1960 IRE DIRECTORY

CONTENTS

| | Page |
|---|-------|
| IRE OFFICERS AND STAFF | 2 |
| THE IRE | 3 |
| Membership Requirements | 3 |
| Committees | 4 |
| Conventions and Meetings | 4 |
| Sections | 4 |
| Professional Groups | 4 |
| Publications of the IRE | 4 |
| Awards | 5 |
| Application Blank | 6 |
| OFFICERS AND DIRECTORS 1912-1959 | 7 |
| MEMBERSHIP LISTS | 9 |
| Explanatory Note | 9 |
| Biographies of Fellows | 10 |
| Alphabetical IRE Membership Roster | 68 |
| Geographical Listing of IRE Membership | |
| | |
| DIRECTORY AND ADVERTISING SECTION | |
| Guide to Directory Section | |
| Index to Product Directory | |
| Catalog Section | 1 |
| Alphabetical Directory of Manufacturing Firms | 163 |
| Product Index | 265 |
| Index to Advertisers | . 726 |

Copyright © 1959, by The Institute of Radio Engineers, Inc. 1 East 79 Street, New York 21, N.Y.

PRINTED IN THE UNITED STATES OF AMERICA

THE INSTITUTE OF RADIO ENGINEERS 1959

ERNST WEBER President

D. B. SINCLAIR Vice-President

W. R. G. BAKER Treasurer

HARADEN PRATT Secretary

J. D. Ryder Editor

ALFRED N. GOLDSMITH Editor Emeritus

BOARD OF DIRECTORS

ERNST WEBER, Chairman

W. R. G. BAKER A. P. H. BARCLAY L. V. BERKNER G. S. Brown R. I. COLE

G. A. FOWLER

W. H. Doherty D. G. FINK

A. N. GOLDSMITH F. Hamburger, Jr.

C. E. HARP

D. L. McFarlan

D. E. Noble

I. T. HENDERSON

B. M. OLIVER

H. F. OLSON

HARADEN PRATT J. D. RYDER

E. H. Schulz

S. SEELY

D. B. SINCLAIR

G. K. TEAL

A. H. WAYNICK

EXECUTIVE COMMITTEE

ERNST WEBER, Chairman W. R. G. BAKER, Vice-Chairman HARADEN PRATT, Secretary

D. G. FINK J. T. HENDERSON R. L. McFarlan I. D. RYDER

D. B. SINCLAIR

ADMINISTRATIVE STAFF

GEORGE W. BAILEY Executive Secretary

LAURENCE G. CUMMING Technical Secretary JOHN B. BUCKLEY

Chief Accountant

EMILY SIRJANE Office Manager

ELWOOD K. GANNETT Managing Editor

EVELYN BENSON Assistant to the Executive Secretary

DIRECTORY STAFF

ALFRED N. GOLDSMITH Editor Emeritus

> I. D. RYDER Editor

ELWOOD K. GANNETT Managing Editor

HELENE FRISCHAUER Associate Editor

WILLIAM C. COPP Advertising Manager

LILLIAN PETRANEK Assistant Advertising Manager

THE IRE

founded through the efforts of three far-seeing engineers, Dr. A. N. Goldsmith, J. V. L. Hogan, and R. H. Marriott, has grown from its original roster of less than fifty members gained by the merger of two small professional societies in 1912, to an international membership of 72,000. It is an incorporated, non-profit organization established for the advancement of the theory and practice of radio and electronics, including allied branches of engineering and the related arts and sciences.

The IRE publishes technical papers, reports, and general information of interest to electronics engineers. It holds meetings and discussions throughout the United States, Canada, and several countries abroad, and maintains committees for collating and standardizing the results of technical research and development. Among the fields covered are radio communication, sound broadcasting, television, marine and aerial guidance, electron devices, radio-frequency measurements, engineering education, electron optics, sound and picture electrical

recording and reproduction, power and manufacturing applications of radio and electronic technique, industrial electronic control and processes, medical electrical research and applications.

The management of the Institute of Radio Engineers resides in a Board of Directors selected from the body of Fellows and Senior Members, acting through an Executive Committee and the officers of the IRE. The President and Vice-Presidents are elected annually from the body of Fellows and Senior Members.

Membership in the IRE is contingent upon experience and achievement in radio engineering and allied fields. The grade of Fellow is one of distinction, and appointment thereto by the Board of Directors is made on the basis of eminence and distinguished service. The grade of Special Member is similarly conferred by invitation only. Other grades—Senior Member, Member, Associate, and Student—are filled from applicants whose age, experience, and attainments conform to the respective requirements set forth in the table below and in the Bylaws. An application blank follows page 6.

MEMBERSHIP REQUIREMENTS AND DUES

| GRADE | EXPERIENCE* AND REFERENCES | ENTRANCE FEE | ANNUAL DUES |
|----------------------|--|-----------------|----------------|
| Fellow | Awarded only. No application permitted. | \$3.00 | 10.001 & 15.00 |
| Senior Member | a) Radio engineer or scientist—eight years of active practice and important technical radio or allied work and shall have performed or taken responsibility for important engineering or scientific work in these fields for at least three of these years. b) College teacher for eight years and in responsible charge of radio or allied subjects for at least three years. c) Eight years of active practice, with contributions to radio or allied engineering fields. d) Executive for eight years with direct supervision of important radio engineering or allied work. e) A person regularly employed in radio or allied technical work for at least sixteen years, who, by experience and education, has attained a standing equivalent to that required for Senior Member under paragraph "a" and shall have performed or taken responsibility for important technical work in these fields for at least six years. References: Five Fellows, Senior Members, or other responsible individuals. | 3.00 | 10.00¹ & 15.00 |
| Special Member | Conferred only by invitation of the Board of Directors. | 3.00 | 10.001 & 15.00 |
| Member | a) Radio engineer or scientist—professionally competent and in active practice for three years. b) College teacher of radio or allied subjects for three years. c) A person regularly employed in radio or allied work for at least three years, who, by invention or by contribution to the advancement of engineering or science in radio or allied fields, or to the technical literature thereof, has attained a standing equivalent to that required for Member under paragraph "a." d) An executive who, for at least six years, has had under his direction important technical, engineering, or research work in radio or allied fields. e) A person regularly employed in radio or allied technical work for at least six years, who, by experience and education, has attained a standing equivalent to that required for Member under paragraph "a." References: Four Fellows, Senior Members, Members, or other responsible individuals. | 3.00 | 10.00¹ & 15.00 |
| Associate | Interest in radio engineering or allied field. References: Three Fellows, Senior Members, Members, Associates, or other responsible individuals. | 3.00 | 10.00¹ & 15.00 |
| STUDENT ² | College student pursuing regular 4-year engineering or science course for a degree, or student enrolled in approved technical institute. Reference: Faculty Member. | _ | 5.00 |

^{*} For more detailed information, see Bylaws. An application blank follows page 6.

^{\$10.00} per year for the first three years of membership. After three years dues automatically increase to \$15.00.

² Special application blank required. When student status expires no entrance fee is required to transfer to Associate or Member.

COMMITTEES*

The IRE has established some twenty-five technical committees covering specialized fields of radio engineering. Through the IRE, these committees (sometimes in collaboration with technical committees of other engineering societies) publish standards of accepted definitions of terms, and methods of measurements of physical quantities used in radio engineering practices.

CONVENTIONS AND MEETINGS

Each year the IRE holds a national convention for its entire membership, during which technical papers are presented and the latest electronic equipment is displayed. Numerous additional meetings, many with exhibits, are held throughout the year by IRE Regions, Sections, and Professional Groups.

SECTIONS†

Sections have been established throughout the United States, Canada, Egypt, Israel, Japan, Argentina, Brazil, Colombia, Italy, and the Benelux countries, to hold meetings under the aegis of the IRE. The Sections of the IRE are grouped into eight Regions, and each Region is represented on the Board of Directors by a Regional Director elected bi-annually from, and by, the membership of the respective Region.

PROFESSIONAL GROUPS†

To serve many special fields of interest, Professional Groups have been formed on an Institute-wide basis in each of twenty-eight technical fields. These Groups organize meetings and conferences on subjects of special interest to their members. They issue technical publications called Transactions to provide a means for ensuring their membership proper coverage of their fields in the publications of the IRE, and for promoting recognition of their leaders among the IRE membership at large.

PUBLICATIONS OF THE IRE

PROCEEDINGS OF THE IRE

Perhaps the most important single activity of the Institute is the publication of a technical journal. The first issue of the Proceedings of the Institute of Radio Engineers appeared in 1913. Established first as a quarterly, since 1927 the Proceedings has been published in twelve numbers annually. In 1939, the name of the journal was shortened to Proceedings of the IRE.

The Proceedings of the IRE is the official publication of the Institute of Radio Engineers. In it appear

* A list of Committees appears in the June and October issues of Proceedings of the IRE.

† A list of Sections and Professional Groups and their officers appears bi-monthly in Proceedings of the IRE.

technical papers, discussions, and communications approved by the Editorial Reviewers and Managing Editor, as well as IRE Standards prepared by the technical committees.

To date, about 7000 papers on advanced research topics have been published in Proceedings, including mathematico-physical analyses of engineering problems, current engineering developments of equipment and methods, and commercial applications of engineering methods and products, historical papers, and tutorial papers covering specific aspects of radio and electronic engineering. In addition, space is devoted to news, book reviews, new products, and abstracts of papers published in technical publications the world over. The Proceedings of the IRE is mailed gratis to all members; subscription price to nonmembers is \$18.00 per year, \$19.00 to foreign destinations.

IRE TRANSACTIONS

Each of the twenty-eight IRE Professional Groups publishes its own technical publication, called Transactions, covering developments of particular interest within its own specialized field. The Transactions is sent free to all paid members of the Professional Group. Frequency of issue varies from Group to Group, and ranges from one to six issues per year.

IRE Convention Records

The IRE annually publishes two Convention Records, one containing the papers presented at the IRE National Convention in New York, and the other for the WESCON meeting on the West Coast. They are known as the IRE NATIONAL CONVENTION RECORD and the IRE WESCON CONVENTION RECORD, respectively. Each RECORD is issued in several Parts.

YEARBOOKS AND DIRECTORIES

The first Yearbook was published in 1914, the second in 1916, and then annually between 1926 and 1932. Yearbooks were then published in 1937, 1942, and 1946. With the 1948 Yearbook, annual publication was resumed. In 1950 its name was changed to "Directory."

STANDARDS

Standardization reports have been issued since 1913. Early reports were confined to the definition of technical terms and standard graphical symbols. Current reports include methods of testing equipment and measuring electronics quantities, and letter symbols and mathematical notation. Starting in 1949, IRE Standards have been published in the Proceedings, rather than as separate reports, to make them available to all members at no extra charge. Also, they are available in reprint form.

THE IRE 5

AWARDS

The IRE bestows seven awards, six annual and one nonannual, in recognition of outstanding technical and administrative achievements in the field of radio communication.

MEDAL OF HONOR

The Medal of Honor is given annually in recognition of outstanding scientific or engineering achievements in the fields of activity of the IRE. The recipient is named by the Board of Directors upon the recommendation of the Awards Committee.

Recipients of the Medal of Honor

| E. H. Armstrong | 1917 | A. G. Lee | | 1939 |
|-----------------------|------|--------------------|--|------|
| E. F. W. Alexanderson | 1919 | Lloyd Espenschied | | 1940 |
| Guglielmo Marconi . | 1920 | A. N. Goldsmith | | 1941 |
| R. A. Fessenden | 1921 | A. H. Taylor . | | 1942 |
| Lee deForest | 1922 | William Wilson | | 1943 |
| John Stone Stone | 1923 | Haraden Pratt . | | 1944 |
| M. I. Pupin | 1924 | H. H. Beverage | | 1945 |
| G. W. Pickard | 1926 | R. V. L. Hartley | | 1946 |
| L. W. Austin | 1927 | L. C. F. Horle . | | 1948 |
| Jonathan Zenneck | 1928 | Ralph Bown | | 1949 |
| G. W. Pierce | 1929 | F. E. Terman . | | 1950 |
| P. O. Pedersen | 1930 | V. K. Zworykin | | 1951 |
| G. A. Ferré | 1931 | W. R. G. Baker | | 1952 |
| A. E. Kennelly | 1932 | John M. Miller . | | 1953 |
| J. A. Fleming | 1933 | William L. Everitt | | 1954 |
| S. C. Hooper | 1934 | Harald T. Friis . | | 1955 |
| Balth. van der Pol | 1935 | John V. L. Hogan | | 1956 |
| G. A. Campbell | 1936 | Julius A. Stratton | | 1957 |
| Melville Fastham | 1937 | Albert W. Hull . | | 1958 |
| J. H. Dellinger | 1938 | E. Leon Chaffee | | 1959 |
| | | | | |

FOUNDERS' AWARD

The Founders' Award is bestowed on special occasions only, for outstanding leadership in planning and administration of important technical developments. Recipient is named by the Board of Directors upon the recommendation of the Awards Committee.

Recipients of the Founders' Award

| David Sarnoff | | | | | | | 1953 |
|---------------------|--|--|--|--|--|--|------|
| Alfred N. Goldsmith | | | | | | | 1954 |
| Raymond A. Heising | | | | | | | 1957 |
| W. R. G. Baker . | | | | | | | 1958 |

VLADIMIR K. ZWORYKIN TELEVISION PRIZE

The Vladimir K. Zworykin Television Prize will be awarded annually for twenty (20) times beginning in 1952 to that member who makes the most important technical contribution to electronic television during the preceding three calendar years, or the importance of whose contribution to electronic television shall have been realized during this period.

The award consists of a citation and a check for \$500 drawn from a fund of \$10,000 donated to the Institute by Vladimir K. Zworykin to encourage outstanding technical developments in fully electronic television. Recipient is named by the Board of Directors upon recommendation of the Awards Committee.

Recibients of the Vladimir K. Zworvkin Television Prize

| B. D. Loughlin . | | 1952 | Frank J. Bingley . | 1956 |
|------------------|--|------|---------------------|------|
| Frank Gray | | 1953 | Donald Richman . | 1957 |
| Alda V. Bedford | | 1954 | Charles P. Ginsburg | |
| Harold B. Law . | | 1955 | Paul Weiner | 1959 |

MORRIS LIEBMANN MEMORIAL PRIZE

The Morris Liebmann Memorial Prize was originally based on an endowment by E. J. Simon to preserve the memory of Colonel Morris N. Liebmann, who gave his life in the first World War. The award consists of a certificate and a monetary award. It is given annually to a member of the Institute who, in the opinion of the Board of Directors, upon the recommendation of the Awards Committee, shall have made an important contribution to the radio art.

Recipients of the Morris Liebmann Memorial Prize

| L. F. Fuller | 1919 | H. A. Wheeler | 1940 |
|---------------------|------|------------------------|------|
| R. A. Weagant | 1920 | P. T. Farnsworth | 1941 |
| R. A. Heising | | S. A. Schelkunoff | 1942 |
| C. S. Franklin | | W. L. Barrow | 1943 |
| H. H. Beverage . | | W. H. Hansen | 1944 |
| I. R. Carson | 1924 | P. C. Goldmark | 1945 |
| Frank Conrad | 1925 | Albert Rose | 1946 |
| Ralph Bown | | J. R. Pierce | 1947 |
| A. H. Taylor | | S. W. Seely | 1948 |
| W. G. Cady | | C. E. Shannon | 1949 |
| E. V. Appleton | | O. H. Schade | 1950 |
| A. W. Hull | | R. B. Dome | 1951 |
| Stuart Ballantine . | | William Shockley | 1952 |
| Edmond Bruce | | John A. Pierce | 1953 |
| Heinrich Barkhausen | 1933 | Robert R. Warnecke . | 1954 |
| | 1934 | Arthur V. Loughren . | 1955 |
| F. B. Llewellyn . | 1935 | Kenneth Bullington . | 1956 |
| B. J. Thompson | | Oswald G. Villard, Jr. | 1957 |
| W. H. Doherty . | | Edward L. Ginzton . | 1958 |
| G. C. Southworth . | | Nicolaas Bloembergen . | 1959 |
| H. T. Friis | 1939 | Charles H. Townes . | 1959 |
| | | | |

Browder J. Thompson Memorial Prize

The Browder J. Thompson Memorial Prize, established in 1945, is given annually to the author or joint authors under thirty years of age at date of submission of original manuscript for that paper of sound merit recently published in the technical publications of The Institute of Radio Engineers, and which, in the opinion of the Board of Directors, upon the recommendation of the Awards Committee, constitutes the best combination of technical contribution to radio and electronics, and presentation of the subject.

The award comprises the income from a fund established by voluntary contributions to preserve the memory of Browder J. Thompson, a Director of the Institute killed in action in World War II while on a special mission for the Secretary of War.

Recipients of the Browder J. Thompson Memorial Prize

| Recipients of the | module J. | I nompson memorias I rise |
|-------------------|-----------|------------------------------|
| G. M. Lee | . 1946 | II. W. Welch, Jr 1952 |
| C. L. Dolph | | Richard C. Booton, Jr. 1953 |
| W. H. Huggins | . 1948 | R. L. Petritz 1954 |
| R. V. Pound | . 1949 | Blanchard D. Smith, Jr. 1955 |
| J. F. Hull | . 1950 | Jack E. Bridges 1956 |
| A. W. Randalls . | . 1950 | Dudley A. Buck 1957 |
| A. B. Macnee | . 1951 | Arthur Karp 1958 |
| | | ner 1959 |

HARRY DIAMOND MEMORIAL AWARD

The Harry Diamond Memorial Award, established in 1949, is given annually to a person or persons in Government service for outstanding contributions in the field of radio or electronics, as evidenced by publication in professional society journals such as the Proceedings of the IRE, or journals of similar standing. The award consists of a certificate provided for from proceeds of a fund established by friends who felt that the professional life of Harry Diamond, a Fellow of the Institute, exemplified the highest type of scientific effort in government service. Recipient of the award is named by the Board of Directors upon the recommendation of the Awards Committee.

Recipients of the Harry Diamond Memorial Award

| A. W. Haeff . | | 1950 | Barnard Salzberg . | 1955 |
|------------------|--|------|----------------------|------|
| M. J. E. Golay . | | 1951 | Wilbur S. Hinman . | 1956 |
| Newbern Smith . | | | Georg Goubau | 1957 |
| Robert M. Page | | | Edward W. Allen, Jr. | 1958 |
| Harold A. Zahl . | | 1954 | Jack W. Herbstreit | 1959 |

W. R. G. BAKER AWARD

The W. R. G. Baker Award is given annually to the author or authors of the most outstanding paper published in the IRE Transactions of the Professional Groups. The award consists of a certificate and a monetary award derived from the income of a fund donated to the IRE by W. R. G. Baker, Chairman of the IRE Professional Groups Committee since 1950. The recipient of the award is named by the Board of Directors upon the recommendation of the Awards Committee.

Recipients of the W. R. G. Baker Award

| Réymond J. Kircher | 1957 | R. L. Kyhl | | 1958 |
|--------------------|------|---------------------|-----|------|
| Robert L. Trent . | 1957 | H. F. Webster | | 1958 |
| D. Robert Fewer . | 1957 | Richard D. Thornton | ı . | 1959 |

FILL OUT BOTH SIDES OF THIS APPLICATION AND MAIL WITH REMITTANCE TO IRE HEADQUARTERS THE INSTITUTE OF RADIO ENGINEERS, Inc.—1 East 79 Street, New York 21, N.Y.

Membership dues include \$9.00 per year for the subscription to PROCEEDINGS, which amount is included in, but is non-deductible from dues.

Application for Membership

SENIOR MEMBER, MEMBER, AND ASSOCIATE GRADES

(For Student grade a special form of application is required.)



Jransfer or Admission

CHECK GRADE FOR WHICH APPLICATION IS MADE

Senior Member Grade 🗌 Member Grade 🔲 Associate Grade



TO THE BOARD OF DIRECTORS

Gentlemen: I hereby make application for membership or Admission

Transfer or Admission

Transfer or Admission

training and professional experience given herewith and refer to the references named, who are personally familiar with my work.

I certify that the statements made in the record of my training and professional experience are correct and agree, if elected, that I will be governed by the Constitution of the IRE as long as I continue a member. Furthermore, I agree to promote the objects of the IRE so far as shall be in my power.

DATE

SIGN FULL NAME WITH PEN

-IMPORTANT-

Names of References

FOR SENIOR MEMBER GRADE. The names of at least five Fellow or Senior Member references are required.

FOR MEMBER GRADE. The names of at least four Fellow, Senior Member or Member references are required.

FOR ASSOCIATE GRADE. The names of three references of the Fellow, Senior Member, Member or Associate grades should be provided.

In exceptional circumstances, the Admissions Committee may accept other references than those stipulated, provided they are thoroughly familiar with the ability and experience of the applicant.

SIGNATURES ARE NOT NECESSARY, PRINT OR USE TYPEWRITER

| Jame of Reference | Mail Address | | |
|-----------------------------|------------------------|------------------|---------------|
| Jame of Reference | Mail Address | | |
| Jame of Reference | Mail Address | | |
| Name of Reference | Mail Address | | |
| Name of Reference | Mail Address | | |
| Name of Reference | Mail Address | | |
| intrance fee | ADDRESS FOR | PROCEEDINGS AI | ND OTHER MAIL |
| DO NOT USE THIS | FULL NAME (First Name) | (Middle Initial) | (Family Name) |
| SPACE | (Mailing Address) | (Number) | (Street) |
| Receipt AcknowledgedElected | (City) | (Postal Zone) | (State) |
| No | | | |

Record of Iraining and Professional Experience

(PLEASE TYPE OR LETTER ALL INFORMATION)

| | | | | Years |
|-----------------------|-------------------|---|---|--------------|
| FULL NAME (First Name | | BIRTHPLACE (State or Cou | untry) NATIONALITY DATE what country is applicant a citizen?) | OF BIRTH AGI |
| | ED | OUCATION | | |
| SECONDARY SCHOOL | DATES | COLLEGE OR UNIVERS | ITY (1) | DATES |
| | | MAJOR COURSE | DEGREES RECEIVED | DATE |
| OTHER SCHOOLS | (Names and Dates) | COLLEGE OR UNIVERSI | TTY (2) | DATES |
| | | MAJOR COURSE | DEGREES RECEIVED | DATE |
| | PRESENT | Γ OCCUPATION | | |
| Title or Position | Firm o | or Organization Name | | Address |
| | Nature of Work | Done by Firm or Organization | | |
| | Nati | ure of Your Work | | |
| Dates | | PNAL EXPERIENCE rst, Followed by Previous Expect Senior Member or Member gra- articular work on which applic | rience | |
| Jates | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| - | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Continue on separate sheet, if necessary

D-60 FILL OUT BOTH SIDES OF THIS APPLICATION AND MAIL WITH REMITTANCE TO IRE HEADQUARTERS

OFFICERS AND DIRECTORS, 1912–1959

| Name | Office held | Name | Office held |
|---|--|---|---|
| At Dan | Bd. of Dir., 1949-50. Bd. of Dir., 1917-23; Pres., 1921; V. Pres., 1920. | Deloraine, E. M. Doherty, W. H. Dyer, J. N. | Bd. of Dir., 1946; V. Pres., 1946. Bd. of Dir., 1951-53; 1958-59. Bd. of Dir., 1955-56. |
| Appleton, E. V. *Armstrong, E. H. Ashbridge, Sir Noel | Bd. of Dir., 1932; V. Pres., 1932. Bd. of Dir., 1916–22; 1936–38. Bd. of Dir., 1947; V. Pres., 1947. | Eastham, Melville Eastman, A. V. Eckersley, P. P. | Bd. of Dir., 1922-41; Treas., 1927-40. Bd. of Dir., 1950-51. Bd. of Dir., 1937; V. Pres., 1937. |
| Asibridge, 511 Austin, L. W. | Bd. of Dir., 1914-17; Pres., 1914. | Edwards, C. P. Engstrom, E. W. | Bd. of Dir., 1931; V. Pres., 1931. Bd. of Dir., 1949. |
| Bailey, Austin Bailey, S. L. | Bd. of Dir., 1940–42. Bd. of Dir., 1943–55; Pres., 1949; Treas., 1948. | Espenschied, Lloyd Everitt, W. L. | Bd. of Dir., 1912-13; 1915-26; 1931. Bd. of Dir., 1942-47; 1949-51; Pres. 1945. |
| Baker, W. R. G. | Bd. of Dir., 1940; 1946-59; Pres., 1947; Treas., 1951-59. | Fay, Frank | Bd. of Dir., 1912. |
| Ballantine, Stuart Barclay, A. P. H. | Bd. of Dir., 1935-37; Pres., 1935. Bd. of Dir., 1959. | Fink, D. G. | Bd. of Dir., 1949-51; 1956-59; Pres. 1958; Editor, 1956-57. |
| Barkhausen, G. Heinrich | Bd. of Dir., 1935; V. Pres., 1935. | Fisk, E. T. Forbes, E. D. | Bd. of Dir., 1938; V. Pres., 1938. Bd. of Dir., 1912; Treas., 1912. |
| Barrow, W. L. Barton, F. S. | Bd. of Dir., 1943-45. Bd. of Dir., 1943; V. Pres., 1943. | *Forbes, H. C. Fowler, G. A. | Bd. of Dir., 1940. Bd. of Dir., 1958–59. |
| Batcheller, Arthur | Bd. of Dir., 1928-32; 1934-36. Bd. of Dir., 1933. | Friis, H. T. | Bd. of Dir., 1941–43. Bd. of Dir., 1928. |
| Batsel, M. C. *Bennett, E. M. | Bd. of Dir., 1923-25. | Fuller, L. F. | , |
| Bennett, R. D. Berkner, L. V. | Bd. of Dir., 1953. Bd. of Dir., 1959. | Gershon, J. J. Goldsmith, Alfred N. | Bd. of Dir., 1956-57. Bd. of Dir., 1912-59; Pres., 1928; Secy |
| Beveridge, H. H. Black, K. C. | Bd. of Dir., 1936–39; Pres., 1937. Bd. of Dir., 1952. | 00.00 | 1918–27; Editor, 1912–28; 1930–53 Editor Emeritus, 1954—. |
| Boone, E. M. | Bd of Dir., 1955-56. | *Graf, A. W. | Bd. of Dir., 1952-53; 1957. |
| Bown, Ralph | Bd. of Dir., 1926-29; 1937-39; Pres., 1927; V. Pres., 1926. | Graham, Virgil M. Granqvist, C. E. | Bd. of Dir., 1935-41; 1946-48. Bd. of Dir., 1958; V. Pres., 1958. |
| Brainerd, J. G. Brown, G. S. | Bd. of Dir., 1956-57. Bd. of Dir., 1958-59. | *Grebe, A. H. *Gustafson, G. E. | Bd. of Dir., 1924–26; 1928. Bd. of Dir., 1943. |
| Brown, J. E. | Bd. of Dir., 1938; 1947. Bd. of Dir., 1952-53. | Gustarson, G. E. Guy, R. F. | Bd. of Dir., 1944-48; 1950-52; Pre- |
| Browning, G. H. *Bullard, W. H. G. | Bd. of Dir., 1920-21. | | 1950; Treas., 1947. |
| Burrows, C. R. Byrn e , J. F. | Bd. of Dir., 1956. Bd. of Dir., 1955–57. | Hackbusch, R. A. | Bd. of Dir., 1938; 1941-46; V. Pres 1944. |
| Cady, W. G. | Bd. of Dir., 1928-29; 1932-34; Pres., | Hamburger, F., Jr. Hammond, J. H., Jr. | Bd. of Dir., 1950-51; 1959. Bd. of Dir., 1912-17; Treas., 1913-1 |
| Caldwell, O. H. | 1932; Editor, 1929. Bd. of Dir., 1932–35. | Hanson, O. B. Harp, C. E. | Bd. of Dir., 1938-43. Bd. of Dir., 1959. |
| Carter, E. F. Chaffee, E. L. | Bd. of Dir., 1943-45. Bd. of Dir., 1922; V. Pres., 1922. | Hazeltine, Alan Hegbar, H. R. | Bd. of Dir., 1923-28; 1936-39; Pres., 193 Bd. of Dir., 1957-58. |
| Chamberlain, A. B. | Bd. of Dir., 1941–44. | Heising, R. A. | Bd. of Dir., 1927-31; 1933-35; 1939-4 1943-45; 1947-49; Pres., 1939; Trea |
| Chambers, C. C. Clark, T. H. | Bd. of Dir., 1942. Bd. of Dir., 1950. | | 1943-45. |
| Clayton, J. M. Clement, L. M. | Bd. of Dir., 1928–29; Secy., 1928–29. Bd. of Dir., 1945. | Henderson, J. T. Henney, Keith | Bd. of Dir., 1953-59; Pres., 1957. Bd. of Dir., 1945-48. |
| Coggeshall, I. S. | Bd. of Dir., 1941-44; 1951-53; Pres., | Herold, E. W. | Bd. of Dir., 1956-58. Bd. of Dir., 1950-57; Pres., 1954. |
| Cole, R. I. | 1951. Bd. of Dir., 1958–59. | Hewlett, W. R. *Hill, Guy | Bd. of Dir., 1914-16; 1918-20. |
| Coleman, J. B. | Bd. of Dir., 1948-49. Bd. of Dir., 1921-23. | Hogan, J. V. L. | Bd. of Dir., 1912-36; 1948-50; Pre 1920; V. Pres., 1916-19. |
| *Colpitts, E. H. *Conrad, Frank | Bd. of Dir., 1927; V. Pres., 1927. | Hoover, P. L. | Bd. of Dir., 1951–52. Bd. of Dir., 1934; 1936–42; 1944–4 |
| Cosentino, A. T. Craven, T. A. M. | Bd. of Dir., 1941; V. Pres., 1941. Bd. of Dir., 1937. | *Horle, L. C. F. | Pres., 1940. |
| Crosby, M. G. Cullum, A. E., Jr. | Bd. of Dir., 1947–49. Bd. of Dir., 1948. | Horn, C. W. Houck, H. W. | Bd. of Dir., 1933-34. Bd. of Dir., 1931-42. |
| Cunningham, F. W. Cutting, R. F. | Bd. of Dir., 1938-40. Bd. of Dir., 1920-24; Pres., 1922; V. | Howes, F. S. | Bd. of Dir., 1948. Bd. of Dir., 1915–27; Treas., 1915–1 1918–27. |
| | Pres., 1921. | Hull, L. M. | Bd. of Dir., 1929-35; Pres., 1933. |
| Dart, H. F. | Bd. of Dir., 1951-52. Bd. of Dir., 1915; 1917-19. | Hunter, T. A. Hutcheson, J. A. | Bd. of Dir., 1948-50; 1956. Bd. of Dir., 1948. |
| *Davis, G. S. deForest, Lee | Bd. of Dir., 1930-32; Pres., 1930. | | Bd. of Dir., 1929-42; Pres., 1934. |
| Dellinger, J. H. | Bd. of Dir., 1924-31; Pres., 1925; V. Pres., 1924. | Jensen, A. G. | Bd. of Dir., 1954-56. |

OFFICERS AND DIRECTORS, 1912–1959 (Cont'd)

| Name | Office held | Name | Office held |
|--------------------------------------|---|---------------------------------|--|
| Jett, E. K. | Bd. of Dir., 1938. | *Reoch, A. E. | |
| Johnson, J. K. | Bd. of Dir., 1942. | Rinia, Herre | Bd. of Dir., 1924–27. |
| Jolliffe, C. B. | Bd. of Dir., 1936-37; 1944. | Royden, G. T. | Bd. of Dir., 1956; V. Pres., 1956. Bd. of Dir., 1946. |
| | • | *Rush, W. A. | Bd. of Dir., 1940; V. Pres., 1942. |
| Kaar, I. J. | Bd. of Dir., 1939; 1948. | Rust, W. M. | Bd. of Dir., 1951–52. |
| Kantebet, S. R. | Bd. of Dir., 1953; V. Pres., 1953. | Rybner, Jorgen | Bd. of Dir., 1951; V. Pres., 1951 |
| *Kennelly, A. E. | Bd. of Dir., 1916–18; Pres., 1916. | Ryder, J. D. | Bd. of Dir., 1952-59; Pres., 1955; Edito: |
| Kirke, Harold L. *Kolster, F. A. | Bd. of Dir., 1952; V. Pres., 1952. Bd. of Dir., 1933-35. | | 1958–59. |
| Kranz, H. E. | Bd. of Dir., 1933–33. Bd. of Dir., 1949–50. | G | |
| Krumm, L. R. | Bd. of Dir., 1917; 1921; Treas., 1917. | Sarnoff, David | Bd. of Dir., 1915-20; Secy., 1915-17. |
| | _ dr dr 2311, 1717, 1721, 110ti3., 1717. | Schulz, E. H. Seely, Samuel | Bd. of Dir., 1958–59. |
| Lack, F. R. | Bd. of Dir., 1940; 1946-47. | Shackelford, B. E. | Bd. of Dir., 1957–59. |
| *Langmuir, Irving | Bd. of Dir., 1923-25; Pres., 1923. | Dimenciford, D. E. | Bd. of Dir., 1945-50; 1953-55; Pres 1948. |
| Lee, A. G. | Bd. of Dir., 1930; V. Pres., 1930. | Shepherd, J. E. | Bd. of Dir., 1948–50. |
| Lewis, G. H. | Bd. of Dir., 1918–19; 1923–26; 1935. | Shute, E. R. | Bd. of Dir., 1933–34. |
| Llewellyn, F. B. | Bd. of Dir., 1939–48; Pres., 1946. | Simon, E. J. | Bd. of Dir., 1912-15; Secy., 1912-14. |
| Loughren, A. V. *Lowenstein, Fritz | Bd. of Dir., 1952–58; Pres., 1956. | Sinclair, D. B. | Bd. of Dir., 1945-59; Pres., 1952; V |
| Lowenstein, PHtz | Bd. of Dir., 1912; V. Pres., 1912. | | Pres., 1959; Treas., 1949-50. |
| Manson, R. H. | Bd. of Dir., 1927-33; Pres., 1931. | Sink, R. L. | Bd. of Dir., 1952-53. |
| *Marriott, R. H. | Bd. of Dir., 1912–16; 1920–22; 1926–32; | Smith, D. B. | Bd. of Dir., 1947. |
| | Pres., 1912; V. Pres., 1913. | Smith-Rose, R. L. | Bd. of Dir., 1948; V. Pres., 1948. |
| Marshall, C. J. | Bd. of Dir., 1954-55. | *Squier, G. O. *Stone, J. S. | Bd. of Dir., 1918–22. |
| *McDonald, A. S. | Bd. of Dir., 1949; V. Pres., 1949. | Stone, J. S. | Bd. of Dir., 1912-19; Pres., 1915; V |
| McFarlan, R. L. | Bd. of Dir., 1957-59. | Straiton, A. W. | Pres., 1914. Bd. of Dir., 1953-54. |
| *McNicol, Donald | Bd. of Dir., 1919–28; Pres., 1926; V. | Stratton, J. A. | Bd. of Dir., 1948–51; 1954. |
| MaDaa I W | Pres., 1925. | Swinyard, W. O. | Bd. of Dir., 1945–46. |
| McRae, J. W. *Meissner, Alexander | Bd. of Dir., 1949–56; Pres., 1953. | | |
| *Morecroft, J. H. | Bd. of Dir., 1929; V. Pres., 1929. Bd. of Dir., 1922–26; Pres., 1924; V. | Tank, F. | Bd. of Dir., 1955; V. Pres., 1955. |
| | Pres., 1923. | Taylor, A. H. | Bd. of Dir., 1929-31; Pres., 1929. |
| Murray, A. F. | Bd. of Dir., 1936–39. | Teal, G. K. | Bd. of Dir., 1959. |
| | , , ,,,,,,,,,,,,,,,,,,,,,,,, | Terman, F. E. | Bd. of Dir., 1940-43; 1948-49; Pres. |
| *Nelson, E. L. | Bd. of Dir., 1932-36. | *771 | 1941; V. Pres., 1940. |
| Newton, K. V. | Bd. of Dir., 1957-58. | *Thompson, B. J. | Bd. of Dir., 1937-44. |
| Nichols, H. W. | Bd. of Dir., 1924–25. | Town, G. R. Tucker, D. J. | Bd. of Dir., 1949; 1951–53. |
| Niwa, Y. Noble, D. E. | Bd. of Dir., 1957; V. Pres., 1957. | Turner, H. M. | Bd. of Dir., 1955–56. |
| Noble, D. E. | Bd. of Dir., 1957–59. | | Bd. of Dir., 1933-46; Pres., 1944. |
| Oliver, B. M. | Bd. of Dir., 1959. | *van der Bijl, H. J. | Bd. of Dir., 1945; V. Pres., 1945. |
| Olson, H. F. | Bd. of Dir., 1959. | van der Pol, Balth. | Bd. of Dir., 1934; V. Pres., 1945. |
| Oxley, A. B. | Bd. of Dir., 1951-52; 1957-58. | Van Dyck, A. F. | Bd. of Dir., 1930–35; 1939–44; Pres., |
| | , | 1 | 1942. |
| Packard, L. E. | Bd. of Dir., 1954-55. | Vollum, C. H. | Bd. of Dir., 1955. |
| *Pederson, P. O. | Bd. of Dir., 1939; V. Pres., 1939. | | |
| Pettit, J. M. | Bd. of Dir., 1954–55. | Watson-Watt, R. A. | Bd. of Dir., 1950; V. Pres., 1950. |
| *Pickard, G. W. *Pierce, G. W. | Bd. of Dir., 1912–15; Pres., 1913. | Waynick, A. H. | Bd. of Dir., 1959. |
| - 101CC, C. VV. | Bd. of Dir., 1915; 1918–21; Pres., 1918–19; V. Pres., 1915. | *Weagant, R. A. | Bd. of Dir., 1913–17. |
| Pierce, J. R. | Bd. of Dir., 1954–55; Editor, 1954–55. | *Webb, W. L. Weber, Ernst | Bd. of Dir., 1946. |
| Piore, E. R. | Bd. of Dir., 1951. | Webster, E. M. | Bd. of Dir., 1952-59; Pres., 1959. |
| Polkinghorn, F. A. | Bd. of Dir., 1957-58. | Wells, H. W. | Bd. of Dir., 1946. Bd. of Dir., 1954–55. |
| Ponte, M. J. H. | Bd. of Dir., 1954; V. Pres., 1954. | Westman, H. P. | Bd. of Dir., 1930–42; Secy., 1930–42. |
| Poppele, J. R. | Bd. of Dir., 1947. | Wheeler, H. A. | Bd. of Dir., 1930–42; Secy., 1930–42. |
| *Poulsen, Valdemar | Bd. of Dir., 1936; V. Pres., 1936. | *Wheeler, L. P. | Bd. of Dir., 1940–45; Pres., 1943. |
| Pounsett, F. H. R. | Bd. of Dir., 1949–50. | Whinnery, J. R. | Bd. of Dir., 1956–58. |
| Pratt, Haraden | Bd. of Dir., 1935–59; Pres., 1938; Treas., | White, W. C. | Bd. of Dir., 1943-47; Treas., 1946. |
| Priest, C. A. | 1941–42; Secy., 1943–59. | Whittemore, L. E. | Bd. of Dir., 1926-29; 1935-37; V. Pres., |
| *Pupin, M. I. | Bd. of Dir., 1953-54. Bd. of Dir., 1917-19; Pres., 1917. | *\\\``\an \\\\``\\` | 1928. |
| grany man as | Da. of Dir., 1717-19; 1 les., 1917. | *Wilson, William | Bd. of Dir., 1932–36. |
| Ragazzini, J. R. | Bd. of Dir., 1953-54. | Wolcott, C. F. Wolff, Irving | Bd. of Dir., 1956–57. |
| Rappaport, G. | Bd. of Dir., 1954–56. | om, frying | Bd. of Dir., 1952–53. |
| Reich, H. J. | Bd. of Dir., 1944; 1948-51. | Zahl, H. A. | Bd. of Dir., 1949. |
| Reid, J. D. | Bd. of Dir., 1950-51. | *Zenneck, Jonathan | Bd. of Dir., 1933; V. Pres., 1933. |
| * DECEASED | | | 7700, 7, 1103, 1700. |

^{*} DECEASED

MEMBERSHIP LISTS Including

BIOGRAPHIES OF FELLOWS AND AN ALPHABETICAL ROSTER AND A GEOGRAPHICAL LISTING

NOTE

In the following pages are set forth the names of the members of The Institute of Radio Engineers. These have been disposed under three headings, as follows:

Biographies of Fellows; a list of all Fellows, with a short biographical note on each.

Membership Roster; a complete listing of all members (not including Students) on record as of May 31, 1959; giving membership grades and business affiliations.

Geographical Listing of Membership; by states and foreign countries, and by cities within such areas; including a designation of the present grade of each member.

All listings include appointments and elections up to May 31, 1959.

In the Roster the following symbols indicative of grade are used, along with numerals indicating the year of admission to that grade:

- (F) Fellow
- (SM) Senior Member
- (M) Member
- (A) Associate
- (VA) Voting Associate. Those who were Associates on or before March 1, 1939, automatically became Voting Associates as of that time.
- (S) Student
- (J) Junior. This grade no longer exists.

The Board of Directors waives the dues of all members who have attained the age of 65 years and who have been members of the IRE for 35 years. The following symbol is used to indicate this status:

(L) Life Member

BIOGRAPHIES OF FELLOWS*

(As of May 31, 1959)

ABRAHAM, Leonard G. (SM'46—F'57), Director, Transmission Engineering, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: September, 1901, Watson. III. B.S.(E.E.), 1922, M.S. (E.E.), 1923, University of Illinois.

ACHESON, Marcus A. (A'36—M'37—F'41), Consulting Engineer, Sylvania Electric Products, Inc., 1740 Broadway, New York 19, N.Y.

Born: January 18, 1903, Denison, Tex. B.S. (E.E.), 1924, Rice Institute. Committees: Editorial Reviewer, 1954-59; Papers, 1937, Papers Review, 1951-53.

ADAIR, George P. (A'42—SM'44—F'47), Consulting Radio Engineer, 1610 I St., N.W., Washington 6, D.C.

Born: December 8, 1903, Rancho, Tex. B.S.(E.E.), 1926, Agricultural and Mechanical College of Texas. Sections: Washington, secretary, 1946; vice-chairman, 1947; chairman, 1948; Mid-Atlantic Regional, vice-chairman, 1948. Awards: Life Honorary Member, International Municipal Signal Association, 1944.

ADLER, Robert (A'42—SM'47—F'51), Associate Director of Research, Zenith Radio Corporation, 6001 W. Dickens Ave., Chicago 39, Ill.

Born: December 4, 1913, Vienna, Austria. Ph.D., 1937, University of Vienna. Committees: Awards, 1957; Editorial Reviewer, 1954-59; Fellow, 1958; Modulation Systems, 1948-50. Professional Groups: Electron Devices Administrative Committee.

AFFEL, Herman A. (A'14—M'40—SM'43—F'49), Retired. Consultant, RFD 2, Oakland, Me.

Born: August, 1893, Brooklyn, N.Y. S.B., 1914, Massachusetts Institute of Technology. Committees: Editorial Reviewer, 1954–59; Meetings and Papers, 1930; New York Program, 1939–41, chairman 1940; Papers, 1931–45; Papers Review, 1946–56. Awards: Modern Pioneers Award, National Association of Manufacturers, 1940.

ALBERSHEIM, Walter J. (SM'48—F'57), Chief Engineer, Spencer-Kennedy Laboratories, Inc., 1320 Soldier's Field Rd., Boston 35, Mass.; Senior Consultant, in Radar, Electronics Research Laboratories, School of Engineering, Columbia University, New York 27, N.Y.

Born: April 22, 1897, Cologne, Germany. E.E., 1922, Eng.D. 1924, Institute of Technology, Aachen, Germany; Professional Engineer, 1936, New York. Committees: Editorial Reviewer, 1954–59; Papers, 1951–53. Sections: Monmouth County Subsection, Membership Committee, chairman, 1949. Awards: Journal Award, Society of Motion Picture Engineers.

ALBERT, Arthur L. (A'31—SM'47—F'50), Professor, Communication Engineering, Oregon State College, Corvallis, Ore. Born: March 13, 1899, Forest Grove, Ore. B.S., 1923, M.S., 1926, E.E., 1938, Oregon State College. Committees: Membership, 1947—48. IRE Representative: Oregon State College, 1942—58. Awards: Fellow, AIEE, 1941.

ALEXANDER, Samuel N. (A'44—F'56), Chief, Data Processing Systems Division, National Bureau of Standards, Department of Commerce, Connecticut Ave. & Van Ness St., Washington 25, D.C.

Born: February 22, 1910, Wharton, Tex. A.B., B.S.(E.E. and Physics), 1931, University of Oklahoma; M.S.(E.E.), 1933, Massachusetts Institute of Technology. Committees: Electronic

Computers, 1948-59, chairman, 1954-55. Sections: Washington, D.C., Electronic Computers Group, chairman, 1954-55. Awards: U. S. Department of Commerce Award for Exceptional Service, SEAC Staff, 1951; Silver Medal, Royal Academy of Engineering Sciences, Stockholm, 1956.

ALEXANDERSON, Ernest F. W. (A'13—M'13—F'15)(L), Retired. Consulting Engineer, 1132 Adams Rd., Schenectady, N.Y.

Born: January 25, 1878, Uppsala, Sweden. E.E., 1900, Royal Technical University; Sc.D., 1926, Union College; Ph.D., 1938, Uppsala University. Dr. Technology, 1948, Royal Technical University, Stockholm, Sweden. IRE Offices: Manager, 1917-19; Director, 1920-23; Vice President, 1920; President, 1921. Committees: Meetings and Papers. 1928; Standardization, 1916-24; Wave Length Regulation, 1916-17, 1919-20. Awards: IRE Medal of Honor, 1919; John Ericsson Gold Medal, American Society of Swedish Engineers, 1928; Edison Medal, American Institute of Electrical Engineers, 1944; Cedergren Gold Medal, Royal Swedish Technical University, 1944; Valdemar Poulsen Gold Medal, Royal Danish Technical University, 1947.

ALFORD, Andrew (A'35—M'40—F'42), Owner, Andrew Alford Consulting Engineers, 299 Atlantic Ave., Boston 10, Mass.; President, Alford Manufacturing Company.

Born: August 5, 1904, Samara, Russia. A.B., 1924, University of California. Committees: Annual Review, 1944-46; Antennas, 1946-49, chairman, 1944-46; Papers Procurement, 1947-50; Radio Transmitters, 1944-45; Standards, 1944-45; Transmitters and Antennas, 1943-44. Awards: Presidential Certificate of Merit, 1948.

ALLEN, Edward W., Jr. (M'44—F'53), Chief Engineer, Federal Communications Commission, 13 St. & Pennsylvania Ave., Washington 25, D.C.

Born: February 14, 1903, Portsmouth, Va. E.E., 1925, University of Virginia; LL.B., 1933, George Washington University, Committees: Papers Review, 1946-49; Wave Propagation, 1948-56. Professional Groups: Broadcast Transmission Systems Administrative Committee. Awards: IRE Harry Diamond Award, 1958.

ALMQUIST, Milton L. (A'43—SM'53—F'58), Director of Systems Engineering, Bell Telephone Laboratories, Inc., 463 West St., New York 14, N.Y.

Born: August 7, 1895, San Francisco, Calif. B.Sc. (E.E.), 1920, University of California. Awards: Army-Navy Certificate of Appreciation, 1948; Fellow, American Institute of Electrical Engineers, 1951.

ANDERSON, A. Eugene (S'38—A'41—M'45—SM'58—F'59), Superintendent of Engineering, Western Electric Co., Inc., 555 Union Blvd., Allentown, Pa.

Born: April 22, 1916, Lima, Ohio. B.S.(E.E.), 1939, M.S.(E.E.), 1939, Ohio State University. Committees: Editorial Reviewer, 1954-59; Electron Devices, 1954-55; Solid State Devices, chairman, 1954; 1956; Symbols, 1946-47. Professional Groups: Electron Devices Administrative Committee, 1958-59. Sections: Pittsburgh, secretary, 1957-58, vice-chairman, 1958-59.

ANDERSON, Clifford N. (A'19—F'34), Teaching Staff, Electrical Engineering, Cornell University, Ithaca, N.Y. Home: 133 Summit Ave., Summit, N.J.

Born: September 22, 1895, Scandinavia, Wis. Ph.B., 1919; M.S., 1920, University of Wisconsin. Committees: Admissions, 1930-31; New York Program, 1932; Papers Review, 1953; Sections, 1941-44; Tellers, 1932-33.

^{*} In listing membership on committees, years during which members served as chairmen or as other officers are indicated by italics.

ANDERSON, Earl I. (M'40—SM'43—F'54), Chief Engineer, Communication Products, Radio Corporation of America, Bldg. 1-5, Camden, N.J.

Born: April 19, 1907, Chicago, Ill. Professional Groups: Broadcast and Television Receivers, vice-chairman, 1952-53; chairman, 1954-55, Editor of Transactions, 1957-58.

ANDREW, Victor J. (A'25—M'40—SM'43—F'55), Chairman Board of Directors, Andrew Corporation, 363 E. 75 St., Chicago 19. Ill.

Born: August 31, 1902, Medina County, Ohio. B.S., 1926, College of Wooster; M.S., 1928, Ph.D., 1932, University of Chicago; D.S. (Honorary), 1949, College of Wooster. Committees: Membership, 1942-44; Sections, 1940. Sections: Chicago, secretary, 1937-38; chairman, 1939-40.

ANGELLO, Stephen J. (SM'52—F'59), Consulting Engineer, Westinghouse Research Laboratories, Beulah Rd., Pittsburgh 35. Pa.

Born: March, 1918, Haddonfield, N.J. B.S. (E.E.), 1939, M.S. (E.E.), 1940, Ph.D. (Physics), 1942, University of Pennsylvania. Committees: Solid State Devices, 1949-59; Task Group, chairman, 1953-55.

ANKENBRANDT, Francis L. (SM'50—F'57), Major General, USAF, Retired. Manager, Defense Projects, Radio Corporation of America, Front & Cooper Sts., Camden, N.J.

Born: January 27, 1904, Chicago, Ill. B.S., 1926, U. S. Military Academy: M.S., 1927, Yale University. Professional Groups: Military Electronics Administrative Committee, 1956-58.

ANTON, Nicholas G. (M'44—SM'44—F'56), President & Director of Research & Engineering, Anton Electronics Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 37, N.Y. Born: December 14, 1906, Trieste, Italy. Graduate of the Technical Institute Leonardo da Vinci; Columbia University, 1925-26. IRE Representative: EIA Nuclear Instrumentation and Control Committee, chairman; Advisory Nuclear Instrumentation Committee to the Federal Civil Defense Administration, chairman; Nuclear Instrumentation Manufacturers' Council of the EIA, chairman. Awards: Fellow, AAAS; Fellow, American Physical Society.

APSTEIN, Maurice (SM'51—F'59), Associate Director for Research, Diamond Ordnance Fuze Laboratories, Washington 25 D.C.

Born: May 5, 1910, Bridgeport, Conn. B.S.(E.E.), 1932, City College of New York. Sections: Washington Chapter, PGEM, vice-chairman, 1957-58; chairman, 1958-59. Awards: Department of Commerce Gold Medal for "Outstanding Contributions to Technology in Fields of Aviation Ordnance and National and International Standardization of Weapons," 1951.

ARNAUD, Jean P. (A'35-M'40-SM'43-F'53), Systems Engineer, RCA International, Clark Township, N.J.

Born: September 1, 1905, London, England, E.E., 1929, University of Buenos Aires. Sections: Buenos Aires, vice-chairman, 1941, chairman, 1942-43, 1949-50. IRE Representative: La Plata, 1942.

ASHBRIDGE, Sir Noel (F'38), Director, Marconi's Wireless Telegraph Company, Ltd., Marconi House, Strand, London, W.C. 2, England.

Born: December 10, 1889, Wanstead, Essex, England. B.Sc. (Engineering), 1911, King's College, London University. IRE Offices: Vice President, 1947; Director, 1947. Awards: Fellow of King's College, London; Knight of Royal Order of Dannebrog (Danish), 1934; Knighted, 1935; James Watt Medal, The Institution of Civil Engineers, 1937. President, The Institution of Electrical Engineers, 1941-42, Honorary Member, 1957; President, Junior Institution of Engineers, 1949-50; MICE; MIEE.

ASHBY, Robert M. (SM'51—F'55), Chief Engineer, Autonetics Div., North American Aviation, Inc., Downey, Calif. Born: May 9, 1912, American Fort, Utah. B.A., 1934, M.A., 1939.

Brigham Young University; Ph.D., 1942, University of Wisconsin. Sections: Pasadena, Subsection, chairman, 1956.

ASTIN, Allen V. (SM'50—F'54), Director, National Bureau of Standards, Washington 25, D.C.

Born: June 12, 1904, Salt Lake City, Utah. B.S., 1925, University of Utah; M.S. in Physics, 1926; Ph.D. in Physics, 1928, New York University; Sc.D. (Honorary), 1953, Lehigh University. Awards: President's Certificate of Merit, 1948; Exceptional Service Award, Dept. of Commerce, 1952.

AUERBACH, Isaac L. (S'46—M'49—SM'52—F'58), President, Auerbach Electronics Corporation, 109 N. Essex Ave., Narberth, Pa.

Born: October, 1921, Philadelphia, Pa. B.S. (E.E.), 1943, Drexel Institute of Technology; M.Sc. (Physics), 1947, Harvard University. Committees: National Convention Program, 1954; Professional Group, 1959. Professional Groups: Electronic Computers, Philadelphia Chapter, chairman, 1952–53; National Membership, chairman, 1953; Administrative Committee, 1954–57. Sections: Philadelphia, treasurer, 1955–56; secretary, 1956–57; vice-chairman, 1957–58; chairman, 1958–59. IRE Representative: JCC Technical Program Committee, 1957; U. S. Committee for UNESCO, First International Conference on Information Processing, general chairman, 1959; UNESCO, Consultant for Information Processing, 1957–59; UNESCO Consultant for Automation Travelling Exhibit, 1959–60.

AUSTIN, Arthur O. (F'30), Manufacturing Electrical Engineer, P.O. Box 109, Barberton, Ohio.
Born: December 28, 1879, Stockton, Calif. A.B., 1903, Stanford University.

AVINS, Jack (A'39—SM'49—F'57), Manager, Research Applications Laboratory, RCA Laboratories, Princeton, N.J. Born: March 1911, New York, N.Y. A.B., 1932, Columbia University; M.E.E., 1949, Brooklyn Polytechnic Institute. Committees: Fellow, 1958-59; Radio Receivers, 1948-54, 1957-59; chairman, 1955; Standards, 1951-55, 1959; Member-at-Large, 1957-59; Intercarrier Sound TV Receivers, Subcommittee, chairman, 1949-50; TV Receiver Standards, chairman, Ad Hoc, 1957-58. IRE Representative: ASA Sectional Committee (C16) on Radio, 1953-55; Chief Delegate (C12-1) International Electrotechnical Committee, 1956.

BABITS, Victor A. (A'33—M'35—SM'49—F'59), Professor of Electrical Engineering, Rensselaer Polytechnic Institute, Troy,

Born: March 14, 1900, Budapest, Hungary. B.E.E., 1922, D.Sc. (Eng), 1931, Decretum Habilitationis, 1938, University of Technical Sciences, Budapest. Fellow award by the Television Society, London, England, 1959. Committees: Education, 1953–56; Papers Review, 1952–53.

BACHMAN, Charles H. (S'32—A'35—VA'39—SM'54—F'55),
Professor of Physics, Physics Dept., Steele Hall, Syracuse
University, Syracuse, N.Y.

Born: December 8, 1908, Cedar Falls, Iowa. B.S.(E.E.), 1932, M.S., 1933, Ph.D., 1935, Iowa State College.

BACHMAN, William S. (S'32—A'36—M'45—SM'54—F'56), Director, Engineering & Development, Columbia Records, Inc., 799 7 Ave., New York 19, N.Y.

Born: October 29, 1908, Williamsport, Pa. E.E., 1932, Cornell University. Committees: Board of Editors, 1950-53; Editorial Reviewer, 1954-59. Awards: Emil Berliner Award, Audio Engineering Society, 1955.

BACK, George I. (SM'53—F'55), Major General, U. S. Army, Retired. 6211 3rd St., S., St. Petersburg 5, Fla. Assistant to the President and Director, International Resistance Company, 401 N. Broad, Philadelphia, Pa.

Born: February 25, 1894, Sioux City, Iowa. B.A., 1921, Morningside College; Post Graduate Communications Engineering Course, 1920-21, Yale University; Signal School, 1934, U. S. Army; Command and General Staff College, 1939, U. S. Army. Awards: Honorary Life Member, Armed Forces Communications Electronics Assn., 1951; Silver Medal Award, Poor Richards Club, 1953. U. S. Army Decorations: Legion of Merit, 1944; Distinguished Service Medal with Oak Leaf Cluster, 1945, 1951; Commendation Ribbon, 1947; Air Medal, 1951; Silver Star, 1951. Foreign Decorations: Brazilian War Medal, 1945; Commander of the Order of the Crown of Italy, 1945; Commander of the Order of the British Empire, 1946; Cross of the Senior Knight Commanders of the Order of Phoenix (Greece), 1952.

BAILEY, Austin (A'25-M'25-F'36), Consulting Engineer, 193 Sagamore Rd., Millburn, N.J.

Born: June 9, 1893, Lawrence, Kan. A.B., 1915, University of Kansas; Ph.D., 1920, Cornell University. IRE Offices: Director, 1940-42. Committees: Admissions, 1934, chairman, 1935; Awards, 1945, 1949; Constitution and Laws, 1932-34, 1936-42, 1944-45, chairman, 1942; Convention Policy, 1947-50; Membership, 1941; National Convention, 1947-49; New York Program, 1930-34, 1937-40, chairman, 1931, 1938; Professional Groups, 1952-53, vice-chairman, 1952; Sections, 1929-33, chairman, 1930; Tellers, chairman, 1939; 1940; Winter Technical Meeting, chairman, 1945; 1946. Professional Groups: Vehicular Communications Administrative Committee, 1949-57, chairman, 1950-51. IRE Representative: ASA Sectional Committee on Graphic Symbols and Designations, 1940-58; ASA Sectional Committee (Y14) on Standards for Drawings and Drafting Room Practices, 1940-50, 1951-58; U. S. National Committee, IEC, Advisers on Symbols, 1952-57.

BAILEY, George W. (A'38—SM'46—F'56), Executive Secretary, Institute of Radio Engineers, Inc., 1 E. 79 St., New York 21, N.Y.

Born: May, 1887, Quincy, Mass. A.B., 1907, Harvard University; Sc.D. (Honorary), 1958, Lawrence College. IRE Offices: Executive Secretary, 1945-. Committees: IRE National Convention, chairman, 1948-59; Military Liaison, chairman, 1949-; Constitution and Laws, 1946-47; Office Quarters, 1947; Public Relations, 1945-48. Awards: Marconi Medal for Service, Veteran Wireless Operators Association, 1944; President's Certificate of Merit, 1946; Edison Award Citation, 1957.

BAILEY, Stuart L. (A'28—M'36—SM'43—F'43), President, Jansky and Bailey, Inc., 1339 Wisconsin Ave., N.W., Washington 7, D.C.

Born: October 7, 1905, Minneapolis, Minn. B.S.(E.E.), 1927, M.S., 1928, University of Minnesota. IRE Offices: President. 1949; Treasurer, 1948; Director, 1943-55. Committees: Admissions, 1943-44; Appointments, 1948; Awards, 1950-52; Broadcasting, 1931-32, 1934-35, alternate, 1931-32; Constitution and Laws, 1944, 1948, 1954-59; Executive, 1945-54, vice-chairman, 1948, chairman, 1949; Finance, 1948, 1950-51, 1953-54; National Convention, 1947-48, 1953-55, vice-chairman, 1953-59; Nominations, 1946-52, 1956-58, chairman, 1946; Office Practices, 1947; Planning, 1947; Policy Development, 1948, 1951; Professional Groups, 1950; Public Relations, 1950, alternate, 1945-46; 1950; Radio Wave Propagation, 1942-46; Radio Wave Propagation and Utilization, 1945-48; Sections, 1946-47; Special Publication Fund, 1947; Wave Propagation, 1937-42, 1948-55; Winter Technical Meeting, 1946. IRE Representative: ASA Sectional Committee (16) on Radio, chairman, 1953-54; Executive Council Central Radio Propagation Laboratory, 1949-51; International Scientific Radio Union (URSI) Executive Committee, 1951-59; IRE-RMA Coordination Committee, 1949-50; Joint IRE-AIEE Coordination Committee, 1950-54; IRE Advisory Committee to National Bureau of Standards for Central Radio Propagation Laboratory, 1954-56; Joint Technical Advisory Committee, 1940, 1950; National Bureau of Standards Technical Advisory Committee, 1958-59; RMA-IRE Problem No. 2, 1949-50; U.S.A. National Committee, URSI, 1949-59.

BAILEY, William F. (S'33—A'36—VA'39—SM'51—F'54), Assistant Director of Research, Hazeltine Research Corporation, 59-25 Little Neck Pkwy., Little Neck 62, L.I., N.Y. Born: May 4, 1911, Buffalo, N.Y. M.E., 1933, M.S., 1941, Stevens Institute of Technology. Committees: Television, 1946—49; Tele-

vision Systems 1949, vice-chairman, 1955-58; chairman, 1958-59; Standards, 1959; Tellers, 1953-55; chairman, 1954. Sections: Long Island, chairman, 1954-55.

BAKER, W. R. G. (A'19-F'28)(L), Vice President, Syracuse University; President, Syracuse University Research Corporation; Director, Syracuse University Research Institute. Born: November 30, 1892, Lockport, N.Y. B.E., 1916, M.E.E., 1918, D.S. (Honorary), 1935, Union College; Dr. Engineering (Honorary), 1951, Syracuse University; Dr. Engineering (Honorary), 1955, Polytechnic Institute of Brooklyn. IRE Offices: President, 1947; Board of Directors, 1940, 1946-59; Treasurer, 1957-59; Standards Coordinator, 1948-50; Director, 1959. Committees: Admissions, 1941; Annual Review, 1948-49; Appointments, 1948; Awards, 1940; Broadcasting, 1935-36, 1948-51, vice-chairman, 1951-52; Executive, 1947-58, chairman, 1947; vice-chairman, 1951-57, 1959; treasurer, 1958-59; Finance, chairman, 1948-57, 1959-60. Meetings and Papers, 1926, 1928-29, alternate, 1928; Membership, 1928; Nominations, 1930, 1948; Nuclear Studies, 1947-49, chairman, 1947-48; Policy Development, 1948; Preparedness, 1940-41; Professional Groups, chairman, 1950-59; Public Relations, 1950; Sections, 1931-32; Standardization, 1925-26; Standards, 1938-41, 1948-50. Sections: Connecticut Valley, secretary, 1938-40; Philadelphia, chairman, 1930-31. IRE Representative: ASME Glossary Review Board, 1948-52. Awards: IRE Founders' Award, 1958.

BALDWIN, Millard W., Jr. (A'40—SM'45—F'48), Member, Technical Staff, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: December, 1902, Port Ewen, N.Y. E.E., 1925, Cornell University; M.A., 1928, Columbia University. Committees: Facsimile, 1941-42; Standards, 1949-59, vice-chairman, 1951-56, chairman, 1956-59; Television Systems, 1949-59; Video Techniques, 1949-52. IRE Representative: ASA Electrical Standards Board, 1957-59; ASA Sectional Committee (C16) on Radio, 1956-59; ASA Sectional Committee (C42) on Definitions of Electrical Terms, 1951-59; International Radio Consultative Committee: Executive Committee of U. S. Delegation, Study Group XIV (Vocabulary), alternate, 1952; Joint IRE-RTMA-SMPTE-NARTB Committee for Inter-Society Co-ordination, alternate, 1952-55; 1959; U. S. National Committee of the International Electrotechnical Commission, 1957-59.

BALLARD, B. Guy (SM'47—F'55), Vice-President (Scientific), and Director, Radio & Electrical Engineering Division, National Research Council, Ottawa 2, Ont., Canada.

Born: June 19, 1902, Fort Stewart, Ont., Canada. B.Sc., 1924, D.Sc., 1956, Queen's University. Awards: Order of the British Empire, 1946; Ross Medal, Engineering Institute of Canada, 1949.

BARCO, Allen A. (A'40—SM'45—F'57), Director, Systems Rescarch Laboratory, RCA Laboratories, Princeton, N.J. Born: March, 1916, St. Louis, Mo. B.S.(E.E.), 1937, Washington University.

BARLOW, Harold M. (SM'54—F'56), Pender Professor of Electrical Engineering, University College, University of London, Gower St., London, England.

Born: November 15, 1899, London, England. B.Sc. (Engineering), 1922, Ph.D. (Science), 1924, University of London, Awards: Kelvin Premium, Fleming Premium and Extra Premiums of Institution of Electrical Engineers, 1930, 1952, 1954, 1957.

BARNES, John L. (A'27—SM'44—F'52), President, Systems Corporation of America, Los Angeles 24, Calif., Professor of Engineering, University of California, Los Angeles 24, Calif. Born: October 16, 1906, Haddonfield, N.J. S.B.(E.E.), 1928, S.M.(E.E.), 1929, Massachusetts Institute of Technology; A.M. (Mathematics), 1930; Ph.D. ((Mathematics), 1934, Princeton University. Committees: Papers Review, 1948–50; Radio Wave Propagation, 1942-46. Professional Groups: Circuit Theory Administrative Committee, 1952-55. IRE Representative: Tufts University, 1941-42.

BARROW, Wilmer L. (A'28-VA'39-M'40-F'41), Vice President for Research & Development, Sperry Gyroscope Company, Great Neck, L.I., N.Y.

Born: October, 1903, Baton Rouge, La. M.S., 1929, Massachusetts Institute of Technology: Sc.D., 1931, Technische Hochschule, Munich, Germany. IRE Offices: Director, 1943-45. Committees: Antennas, 1945-48; Awards, 1944-45, 1948-49; Board of Editors, 1946-53; Constitution and Laws, 1943-44; Editorial Reviewer, 1954-59; Executive, 1945; Nominations, 1943, 1949-50; Papers, 1941-45; Papers Procurement, 1942-43; Professional Groups, 1948; Regular Papers, 1941; Research, 1946-47, 1949-50; Standards, 1938-42; Wave Guides, 1943-44; Wave Propagation, 1941-42. Sections: Boston, chairman, 1939-41. IRE Representative: Radio Technical Planning Board, 1946, alternate, 1944-45; RMA-IRE Co-ordinating Committee, 1948. Awards: IRE Morris Liebmann Memorial Prize, 1943.

BARSTOW, John M. (SM'47-F'59), Television Systems Engineer, Bell Telephone Laboratories, Murray Hill, N.J. Born: July, 1901, Topeka, Kan. B.S., 1923, Washburn University; M.S., 1924, University of Kansas. Committees: Editorial Reviewer, 1954-59; National Television Systems Committee, vicechairman, 1952-; acting chairman, 1956-; Video Signal Transmission Methods of Measurement, chairman, 1956-59; Video Techniques, 1955-59, vice-chairman, 1959.

BARTON, F. Sherbrooke (F'35), Chief Scientific Officer, Ministry of Supply, Shell Mex House, Strand, London, W.C. 2, England. Defense Supply Advisor, United Kingdom High Commissioner, Ottawa, Ont., Canada.

Born: May 13, 1895, Nottingham, England. M.A., 1920, University of Cambridge; B.Sc., 1920, University of London. IRE Offices: Vice President, 1943; Director, 1943. IRE Representative: IRE-IEE International Liaison, 1947, 1955-59. Awards: Fellow, Institute of Physics; Commander of the Order of the British Empire.

BARTON, Loy E. (M'29-SM'43-F'56), Radio Research Engineer, RCA Laboratories, Princeton, N.J. Born: November 7, 1897, Fayetteville, Ark. B.E.E., 1921, E.E.,

1925, University of Arkansas. Awards: Distinguished Alumnus Citation, University of Arkansas, 1947.

BATCHELDER, Laurence (A'29-SM'47-F'57), Staff Engineer, Raytheon Manufacturing Company, Wayland, Mass. Born: October, 1906, Cambridge, Mass. A.B., 1928, M.S., 1929, Harvard University. Professional Groups: Ultrasonics Engineering Administrative Committee, 1956-59; vice-chairman, 1957-59. Awards: Fellow, Acoustical Society of America.

BATCHER, Ralph R. (J'16-A'18-M'22-SM'43-F'50), Electronics Consultant, Automatic Processes, 240-02 42 Ave.,

Douglaston, L.I., N.Y.

Born: June, 1897, Dysart, Iowa. B.S.(E.E.), 1920, Iowa State College. Committees: Annual Review, chairman, 1949-53; Board of Editors, 1928-53; Meetings and Papers, 1927-29; Public Relations, chairman, 1950-51; Standards, 1949-54; Symbols, 1940-48; Television, 1939-42; Television and Facsimile, 1937-39. Professional Groups: Production Techniques, chairman, 1954-57. IRE Representative: ASA Sectional Committee (C16) on Radio, 1951-52, secretary, 1952.

BATEMAN, Ross (A'42-M'55-F'59), Page Communications Engineers, Inc., 710 14 St., N.W., Washington, D.C. Born: July 22, 1912, Toledo, Orc. B.S. (E.E.), 1934, Oregon State College.

BATSEL, Max C. (A'21-F'27), Chief Technical Administrator, Defense Electronic Products, Radio Corporation of America, Front and Cooper Sts., Camden, N.J. Residence: 525 Kings Highway, Moorestown, N.J.

Born: June 16, 1894, Fulton, Ky. B.M.E., 1915, University of Kentucky. IRE Offices: Director, 1933. Committees: Bibliography, 1930-32; Meetings and Papers, 1928-29; Membership, 1926-27; New York Program, 1931-33; Radio Receivers, 1927-

28; Standardization, 1925-26, 1927-31; Use of Transmission Unit, 1928-29; Professional Groups, 1956. Professional Groups: Engineering Management, 1952-55, vice-chairman, 1951-55, chairman. 1955-56; Administrative Committee, 1955-58.

BAUER, Benjamin B. (S'27-A'39-SM'44-F'53), Vice President, Acoustics and Magnetics, CBS Laboratories, 227 High Ridge Rd., Stamford, Conn.

Born: June 26, 1913, Odessa, Russia. E.E., 1937, University of Cincinnati. Committees: Audio Techniques, 1958, Awards, 1955; Board of Editors, 1950-53; Editorial Reviewer, 1954-59; Electroacoustics, 1945-58, vice-chairman, 1949-53, chairman, 1953-54, vice-chairman, 1954-55; Papers Procurement, 1947-50; Professional Groups, 1952-53; Recording and Reproducing, 1959; Standards, 1954-56. Professional Groups: Audio, vice-chairman, 1950, chairman, 1951-52, secretary, 1958; Editor of Transactions, 1952, Associate Editor, 1953-58, secretary, 1953-59. Awards: Fellow, Acoustical Society of America; Fellow, Audio Engineering Society; Eta Kappa Nu Honorable Mention Award, 1946; IRE Professional Group on Audio Achievement Award, 1955.

BAYLY, Benjamin deF. (M'43-SM'43-F'47), President, Bayly Engineering, Ltd., Ajax, Ont., Canada.

Born: June, 1903, London, Ont., Canada. B.A.Sc., 1930, University of Toronto, Professor, University of Toronto, 1930-51. Committees: Awards, 1940; Papers Review, 1947-49. Sections: Toronto, chairman, 1936-37. IRE Representative: University of Toronto, 1941-42. Awards: Member of the Order of the British Empire, 1946.

BEAM, Robert E. (S'37-A'41-SM'44-F'56), Professor of Electrical Engineering, Northwestern University, Evanston, Ill. Born: July 11, 1914, Cambridge, Ohio. B.E.E., 1937, Ohio State University; Ph.D., 1940, Iowa State College. Committees: Education, 1945-51; Membership, 1947-48; Policy Development, 1949-50. Professional Groups: Microwave Theory and Techniques Administrative Committee, 1954-59. IRE Representative: Northwestern University, 1945-47; Southern Methodist University, 1941-45.

BECK, Alfred C. (A'30-SM'46-F'58), Member Technical Staff, Bell Telephone Laboratories, Inc., P.O. Box 107, Red Bank,

Born: July 26, 1905, Granville, N.Y. E.E., 1927, Rensselaer Polytechnic Institute. Sections: New York, chairman, 1955-56. Professional Groups: Microwave Theory and Techniques Administrative Committee, chairman, 1955-56; Administrative Committee, 1954-58.

BECK, Arnold H. W., (S'36-A'39-M'55-F'59), Cambridge University, Engineering Laboratory, Trumpington St., Cambridge, England.

Born: August, 1916, Norfolk, England. B.Sc. (Eng.), 1937, University College, London University; M.A., 1959, Queen's College, University of Cambridge.

BEDFORD, Alda V. (A'31—SM'46—F'50), Fellow, Technical Staff, RCA Laboratories Division, Radio Corporation of America, Princeton, N.J.

Born: January, 1904, Winters, Tex. B.S.(E.E.), 1925, University of Texas; M.S.(E.E.), 1929, Union College. Sections: Princeton Subsection, secretary-treasurer, 1946, vice-chairman, 1947, chairman, 1948. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940; Incentive Awards, RCA Laboratories, 1949, 1951; IRE Vladimir K. Zworykin Television Prize, 1954.

BEDFORD, Leslie H. (M'34-SM'43-F'48), Director of Engineering, Guided Weapons Division, The English Electric Co., Ltd., Luton, Beds., England,

Born: June 23, 1900, London, England, B.Sc., 1919, B.Sc. (Engineering), 1921, University of London; M.A., 1924, Cambridge University. Awards: IEE Premium, Institute of Electrical Engineers, London, 1934; Officer of the Order of the British Empire, 1943; Commander of the Order of the British Empire.

BEERS, George L. (A'27-M'29-SM'43-F'47), Radio Corporation of America, Camden, N.I.

Born: May 13, 1899, Indiana, Pa. B.S. (E.E.), 1921, Sc.D. (Honorary), 1947, Gettysburg College. Committees: Papers Procurement, 1946; Radio Receivers, 1942–49; Receivers, 1949–51. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940; Fellow, Society of Motion Picture and Television Engineers.

BEGGS, James E. (SM'52—F'56), Electronic Engineer, General Electric Research Laboratory, P.O. Box 1088, Schenectady, N.Y.

Born: May 9, 1908, Omaha, Neb. B.S.(E.E.), 1931, Purdue University. Awards: Certificate of Commendation, U. S. Navy Bureau of Ships, 1947.

BEGUN, S. J. (S'46—F'52), Director of Marketing, Clevite Corporation, 17000 St. Clair Ave., Cleveland 10, Ohio.
Born: December 2, 1905, Danzig, Germany. M.S., 1929, Ph.D. (Engineering), 1933, Institute of Technology, Berlin, Germany. Committees: Audio and Video Techniques, 1948—49; Electroacoustics, 1941—50; Sound Recording and Reproducing Technique, 1950—57, chairman, 1950—51; Standards, 1949—50. Sections: Cleveland, vice-chairman, 1952—53; chairman, 1953—54. Professional Groups: Audio Administrative Committee, 1956—59. IRE Representative: ASA Sectional Committee (Z57) on Standards for Sound Recording, 1948—50.

BELL, John W. (M'46—F'53), Vice President, Engineering, Canadian Aviation Electronics, Ltd., Montreal, P.Q., Canada. Born: September 2, 1911. Toronto, Ont., Canada. B.A.Sc., 1933, University of Toronto. Awards: Member of the Order of the British Empire, 1943.

BENNETT, Ralph D. (SM'44—F'52), General Electric Vallecitos Atomic Laboratory, P.O. Box 846, Vallecitos Rd., Pleasanton, Calif.

Born: June 30, 1900, Williamson, N.Y. B.S., 1921, M.S., 1923, Union College; Ph.D. (Physics), 1925, University of Chicago; Sc.D. (Honorary), 1945, Union College. IRE Offices: Director, 1953. Committees: Awards, 1954-55.

BENNETT, Rawson (A'36—M'43—SM'43—F'50), Rear Admiral, United States Navy, Chief of Naval Research, Navy Department, Washington 25, D.C.

Born: June, 1905, Chicago, Ill. B.S., 1927, United States Naval Academy; M.S., 1937; University of California. Sections: San Diego, chairman, 1947. Awards: Fellow, Acoustical Society of America, 1947.

BENNETT, William R. (SM'45—F'56), Technical Program Coordinator, Bell Telephone Laboratories, Inc., Murray Hill, N.J. Born: June 5, 1904, Des Moines, Iowa. B.S., 1925, Oregon State College; M.A., 1928, Ph.D., 1949, Columbia University. Committees: Circuits, 1949–59, vice-chairman, 1951–53, chairman, 1953–56; Information Theory and Modulation Systems, 1952–58: Papers Review, 1951–52; Standards, 1953–59. Professional Groups: Circuit Theory Administrative Committee, 1956–59, Editor of Transactions, 1957–59.

BERANEK, Leo L. (S'36—A'41—SM'45—F'52), President, Bolt, Beranek & Newman, Inc., Consultants in Acoustics, 50 Moulton St., Cambridge 38, Mass.; Associate Professor of Communication Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass.

Born: September 15, 1914, Solon, Iowa, B.A., 1936, D.Sc. (Honorary), 1946, Cornell College; M.S., 1937, D.Sc., 1940, Harvard University. Committees: Audio Techniques, 1949–51; Editorial Reviewer, 1954–59; National Convention, 1947; Professional Groups, 1948, 1951. Professional Groups: Audio, 1949–52, chairman, 1949–51.

BERESKIN, Alexander B. (A'41—M'44—SM'46—F'58), Professor of Electrical Engineering, University of Cincinnati, Cincinnati 21, Ohio.

Born: November 15, 1912, San Francisco, Calif. M.Sc.(Eng.), 1941, E.E., 1935, University of Cincinnati. Committees: Education, 1955-59; Sections, 1952. Sections: Cincinnati, vice-chairman, 1949-50; chairman, 1950-51. Professional Groups: Audio Administrative Committee, 1956-59; Editor of Transactions, 1957-58. IRE Representative: University of Cincinnati, 1947-59.

BERKNER, Lloyd V. (A'26—M'34—SM'43—F'47), President, Associated Universities, Inc., 10 Columbus Circle, New York 19, N.Y.; Board of Directors, Texas Instruments, Inc.; Member, President's Science Advisory Committee; Rear Admiral USNR, 1955—.

Born: February 1, 1905, Milwaukee, Wis. B.S.(E.E.), 1927, University of Minnesota; D.Sc. (Honorary), 1955, Brooklyn Polytechnic Institute; Ph.D. (Honorary), 1956, Uppsala University, Uppsala, Sweden; D.Sc. (Honorary), 1957, University of Calcutta, India; D.Sc. (Honorary), 1958, University of Notre Dame. IRE Offices: Director, 1959. Committees: Board of Editors, 1941-42; Editorial Reviewer, 1954-55; Papers, 1941; Professional Groups, 1954; Wave Propagation, 1937-42. Professional Groups: Nuclear Science Administrative Committee, chairman, 1953. IRE Representative: American Geophysical Union, vice president; International Council of Scientific Unions, Head of U. S. Delegation to VIIth General Assembly at Oslo, president, 1955-58, past-president, 1958-61; Special Committee on the International Geophysical Year, vice president, 1953-59; International Scientific Radio Union, vice president, 1954-57; president, 1957-60; Joint Technical Advisory, 1952, vice-chairman, 1953, chairman, 1954. Awards: Special Gold Medal of Congress, Silver Medal of the Aeronautical Institute, Gold Medal of the City of New York for Work on the Byrd Antarctic Expedition, 1930; Science Award, Washington Academy of Science, 1941; Legion of Merit, 1946; Honorary Officer, Order of the British Empire; Member, National Academy of Science, Space Science Board, chairman, 1958-; Fellow, American Institute of Electrical Engineers; Fellow, American Physical Society; Fellow, American Academy of Arts and Sciences; Fellow, Arctic Institute of North America.

BEVERAGE, Harold H. (A'15—M'26—F'28), Consultant, Communications. RCA Laboratories, Rocky Point, L.I., N.Y. Born: October 14, 1893, North Haven, Me. B.S., 1915, D.E., 1938, University of Maine. IRE Offices: President, 1937; Director, 1936-39. Committees: Admissions, 1936, 1939, 1941-47; Awards, 1938-39, chairman, 1938; Board of Editors, 1932-37; New York Program, 1932-35; Nominations, 1942-43, chairman, 1942; Standards, 1934-35; Standardization, 1930-31; Wave Propagation, 1959. Awards: IRE Morris Liebmann Memorial Prize, 1923; Armstrong Medal, Radio Club of America, 1938; Signal Corps Certificate of Appreciation, 1944; IRE Medal of Honor, 1945; AIEE Lamme Medal, 1957; IRE PGCS Achievement Award, 1958.

BINGLEY, Frank James (A'34—M'36—SM'43—F'50), Television Research Engineer, Philco Corporation, C & Tioga Sts., Philadelphia 34, Pa.

Born: November 13, 1906, Bedford, Bedfordshire, England, B.Sc. (mathematics), 1926, B.Sc. (physics), 1927, University of London. Committees: Admissions, 1940, 1943; Awards, 1957, 1959; Fellow, 1958; Editorial Reviewer, 1954-59; Papers Review, 1946-53. Awards: Gold Medal, Television Broadcasters' Association, IRE Vladimir K. Zworykin Television Award, 1956.

BISHOP, Sir Harold (F'38), Director of Engineering, British Broadcasting Corporation, Broadcasting House, London, W.1, England.

Born: October 29, 1900, London, England. City and Guilds College (Imperial College of Science and Technology), 1917-20; B.Sc. (Engineering), University of London, 1920. Awards: Institution Premium, Institution of Electrical Engineers, 1935; Commander of the Order of the British Empire, 1938; Fellow, The City and Guilds Institute, 1947; Institution of Electrical Engineers, Vice President, 1948-53; President, 1953-54; Fellow, Imperial College of Science & Technology, 1954; Knight Bachelor, 1955; President, Association of Supervising Electrical Engineers,

1956-58; Vice President, Television Society, 1957-; Member, Institution of Mechanical Engineers.

BLACK, Harold S. (M'42—SM'43—F'48), Research Engineer, Bell Telephone Laboratories, Inc., Murray Hill, N.J. Born: April 14, 1898, Leominster, Mass. B.S., 1921, Eng.D. (Honorary), 1955, Worcester Polytechnic Institute. Committees: Administrative, Board of Editors, 1951–53; Annual Review, 1948–49; Awards, 1948; Board of Editors, 1949–53; Editorial Administrative, 1948–50; Editorial Reviewer, 1957—59; Education, 1948; Frequency Modulation, 1946–47; Modulation Systems, 1947–50; chairman, 1948–50; Papers Review, 1947–48; Standards, 1948–50. Awards: Best Paper Prize, AIEE, 1934; Modern Pioneer Award, National Association of Manufacturers, 1940; John Price Wetherill Medal, The Franklin Institute, 1941; Certificate of Appreciation, U. S. War Department, 1946; Research Corporation Annual Award for Contribution to Science, 1952; Honorary Member, Audio Engineering Society, 1954; AIEE Lamme Medal, 1957; Fellow, AIEE; Fellow, American Association for the

BLACK, Knox Charlton (M'29—SM'43—F'49), Scientific Advisor to SACEUR, SHAPE, Paris, France.
Born: April 23, 1905, Cambridge, Mass. A.B., 1924, A.M., 1926, Ph.D., 1927, Harvard University. IRE Offices: Director, 1952. Committees: Awards. 1951–52, chairman, 1952; Electro-Acoustic Devices, 1930–31; Policy Advisory, 1953–54; Policy Development, 1949–50; Standardization, 1930–31. Professional Groups: Aeronautical and Navigational Electronics. chairman, 1953–54. Awards: President's Certificate of Merit, 1948.

Advancement of Science.

BLACK, Leonard J. (A'31—SM'46—F'53), Professor of Electrical Engineering, University of California, Berkeley 4, Calif. Born: July 29, 1904, Santa Clara, Calif. B.S., 1928, M.S., 1930, Ph.D., 1935, University of California. Committees: Education, 1949–51; Executive, 1937–42; 1949–52; Speakers and Papers, chairman, 1937; West Coast Convention, general chairman, 1951. Sections: San Francisco, secreatry-treasurer, 1938–39; vice-chairman, 1940, chairman, 1941. IRE Representative: University of California, 1941–52.

BLACKWELL, Otto B. (M'20—F'28)(L), Retired. 15 North Dr., Plandome, N.Y.

Born: August 21, 1884, Bourne, Mass. S.B., 1906, Massachusetts Institute of Technology. Committees: Standardization, 1920-24. Awards: Edison Medal, 1950.

BLOMBERG, Hugo (M'45—F'50), President, Svenska, Radio-aktiebolaget, 12 Alstromergatan, Stockholm, Sweden.
Born: October 25, 1897, Stockholm, Sweden. E.E., 1920, Royal Technical University of Stockholm.

BODE, H. W. (M'41—SM'43—F'52), Vice President, Bell Telephone Laboratories, Inc., Whippany, N.J. Born: December 24, 1905, Madison, Wis. A.B., 1924, M.A., 1926,

Born: December 24, 1905, Madison, Wis. A.B., 1924, M.A., 1920, Ohio State University; Ph.D., 1935, Columbia University. Committees: Annual Review, 1947–48; Circuits, 1944–48, chairman, 1947–48; Standards, 1947–48.

BOLLJAHN, John T. (A'43—SM'53—F'59), Executive Vice President, Granger Associates, 966 Commercial St., Palo Alto, Calif.

Born: June 10, 1918, Oakland, Calif. B.S. (E.E.), 1941, Ph.D., 1950, University of California. Committees: Editorial Reviewer, 1954-59. Professional Groups: Member, Antennas & Propagation Administrative Committee, 1953-56.

BOND, Donald S. (SM'46—F'54), Member, Technical Staff, Weapons Systems Evaluation Group. Office of the Secretary of Defense, Washington, D.C.

Born: June, 1909, Libertyville, Ill. B.S., 1929, S.M., 1931, University of Chicago. Committees: Papers Review, 1949-53.

BOOKER, Henry G. (SM'45—F'53), Director, School of Electrical Engineering; Professor, Department of Physics and

Engineering Physics, Cornell University, Ithaca, N.Y. Born: December, 1910, Barking, Essex, England. B.A., 1933, Ph.D., 1936, Cambridge University. Committees: Editorial Reviewer, 1954-59; Standards, 1949-52; Wave Propagation, 1949-56, 1959, vice-chairman, 1949-50, chairman, 1950-52. IRE Representative: National Bureau of Standards Technical Advisory Committee, chairman, 1958-59. Professional Groups: Antennas & Propagation, vice-chairman, 1955-56, 1957-58. Awards: Duddell, 1946; Institution, 1947; Kelvin, 1948; Premiums, I.E.E. (London).

BOONE, E. Milton (A'43—SM'46—F'56), Professor of Electrical Engineering, Director, Electron Device Laboratory, Ohio State University, Columbus 10, Ohio.

Born: February 17, 1903, Millersburgh, Ky. B.A.(Physics), 1926, M.S.(Physics), 1932, University of Colorado; M.S. (E.E.), 1937, University of Michigan, IRF, Offices: Director, 1955-56.

1926, M.S. (Physics), 1932, University of Colorado; M.S. (E.E.), 1937, University of Michigan. IRE Offices: Director, 1955-56. Committees: Education, 1956-59; Electron Devices, 1952-55; Electron Tubes, 1955-59; Electron Tubes and Solid State Devices, 1951-52; Fellow, 1958-60; Nominations, 1956; Papers Review, 1946; Sections: Columbus, chairman, 1946-47. IRE Representative: Ohio State University, 1946-50.

BOOTHROYD, Wilson P. (SM'47—F'56), Manager, Engineering, Philco Corporation, Tioga & C Sts., Philadelphia, Pa. Born: February, 1916, Lawrence, Mass. B.S., 1937, Rhode Island State College. Committees: Radio Receiver, vice-chairman, 1957-59. Professional Groups: Broadcast and Television Receivers, chairman, 1955.

BORN, William T. (A'27—VA'39—SM'51—F'57), Vice President, Geophysical Research Corporation, 136 Mohawk Blvd., Tulsa 6, Okla.

Born: August 3, 1903, Chicago, Ill. B.S., 1925, University of Chicago. Sections: Sixth Southwestern IRE Conference, chairman, 1954; Southwestern IRE Conference Organization, secretary, 1955.

BOSOMWORTH, George P. (A'36—VA'39—F'57), Manager, Engineering Laboratories for the Tire Company and Chief Engineer for U. S. Liberia Radio Corporation, Firestone Tire and Rubber Company, 1200 Firestone Pkwy., Akron 17, Ohio. Born: August 26, 1896, Gateshead, Durham, England. Whitworth Exhibition, 1916; Honors Diploma, E.E., 1917; Sunderland Technical College, England. Committees: Industrial Electronics, 1946-59, chairman, 1947-58; Standards, 1947-49; Annual Review, 1947-50. Professional Groups: Industrial Electronics Administrative Committee, 1951-58, chairman, 1954-56. IRE Representative: AIEE-IRE-NEMA Coordination Committee on Commercial Induction and Dielectric Heating Apparatus, 1948-49, alternate, 1952-54. Awards: Whitworth Bronze Medal, Board of Education, England. 1916.

BOSSART, Paul N. (A'29—SM'46—F'56), Senior Consulting Physicist, Union Switch and Signal Division, Westinghouse Air Brake Company, Pittsburgh 18, Pa.

Born: May 10, 1896, Buffalo, N.Y. B.S. (E.E.), 1916, Carnegie Institute of Technology; E.E., 1920, Columbia University; Ph.D., 1933, University of Pittsburgh, Sections: Pittsburgh, vice-chairman, 1940-41, chairman, 1941-42.

BOWIE, Robert M. (A'34—M'37—SM'43—F'48), Vice President, Sylvania Research Laboratories, Sylvania Electric Products,

Inc., Bayside, L.I., N.Y. Born: August 24, 1906, Table Rock, Neb. B.S., 1929, M.S. (Physics), 1931, Ph.D. (Physics), 1933, Iowa State College. Committees: Administrative Board of Editors, 1952-53; Admissions, 1945-48; Awards, 1953-55; Board of Editors, 1947-52; National Convention, 1950; Nuclear Studies, 1948-52; Papers Procurement, 1945-50; Research, 1946-47; Television, 1948-49; Television Systems, 1949-56, vice-chairman, 1951-53.

BOWLES, Edward L. (A'22—M'28—SM'43—F'47), Consulting Professor, School of Industrial Management, Massachusetts Institute of Technology, Cambridge 39, Mass. Consulting En-

gineer; Consultant to the President, Raythcon Manufacturing Company.

Born: December 9, 1897, Westphalia, Mo. B.S., 1920, Washington University; M.S., 1922, Massachusetts Institute of Technology; D.Sc. (Honorary), 1945, Norwich University. Committees: Membership, 1937-40; Papers Procurement, 1942-43; Regular Papers, 1941; Standardization, 1929-32; Standards, 1932-33. Sections: Boston, chairman, 1935-37. Awards: Distinguished Service Medal, 1945; Honorary Commander, Civil Division of the Most Excellent Order of the British Empire, 1948; Presidential Medal for Merit, 1948.

BOWN, Ralph (M'22—F'25)(L), 85 Pine St., Maplewood, N.J. Born: February 22, 1891, Fairport, N.Y. M.E., 1913, M.M.E., 1915, Ph.D., 1917, Cornell University. IRE Offices: President, 1927; Vice President, 1926; Director, 1926–29, 1937–39. Committees: Admissions, 1926, 1939–40, chairman, 1926; Awards, 1928–31, 1938–42, 1946, chairman, 1942, 1946; Board of Editors, 1946–53; Constitution and Laws, 1929, 1937–40; Convention Policies, 1940; Finance, chairman, 1926; Meetings and Papers, 1929; Nominations, 1937, 1940–44, 1949–51, chairman, 1944, 1949–51; Receiving Sets, 1927–28; Research, 1949–50; Standardization, 1925–27, chairman, 1925–26; Standards, 1941–42. IRE Representative: IRE-RMA Joint Technical Advisory, 1948–58, chairman, 1952–53; IRE-IEE International Liaison, 1955–59. Awards: IRE Morris Liebmann Memorial Prize, 1926; IRE Medal of Honor, 1949.

BRADLEY, William E. (SM'45—F'53), Director of Research—Technical, Philco Corporation, 4700 Wissahickon Ave., Philadelphia 44, Pa.

Born: January 7, 1913, Lansdowne, Pa. B.S. (E.E.), 1936, Moore School, University of Pennsylvania. Committees: Editorial Reviewer, 1954-58. Awards: Certificate of Commendation, U. S. Navy, 1947; Citation, University of Pennsylvania Schools of Engineering, 1955.

BRAINERD, John G. (A'33—M'39—SM'43—F'51), Professor and Director, Moore School of Electrical Engineering, University of Pennsylvania, 200 S. 33 St., Philadelphia 4, Pa. Born: August 7, 1904, Philadelphia, Pa. B.S.(E.E.), 1925, D.Sc., 1934, University of Pennsylvania. IRE Offices: Director, 1956-57, Committees: Annual Review, 1948-49; Circuits, 1947-59, chairman, 1948-49; Standards, 1948-59, chairman, 1949-51, Editorial Reviewer, 1955-59. Professional Groups: Circuit Theory, chairman, 1950-51. Sections: Philadelphia, secretary, 1951-52; chairman, 1953-54. IRE Representative: ASA Sectional Committee (C42) on Definitions of Electrical Terms, 1949-59; ASA Sectional Committee (C16) on Radio, 1950-51; ASA Standards Council, 1949-51; ASA Subcommittee (C42.1) on General Terms, 1948, 1952-59; AAAS Council, 1956-58; National Bureau of Standards Technical Advisory Committee, 1959.

BREIT, Gregory (SM'45—F'45), Donner Professor of Physics, Sloane Physics Laboratory, Yale University, New Haven 11, Conn.

Born: July 14, 1899, Russia. A.B., 1918, A.M., 1920, Ph.D., 1921, The Johns Hopkins University; D.Sc., 1954, University of Wisconsin. Committees: Research, 1949-50.

BREITWIESER, Charles J. (A'35—VA'39—SM'56—F'58), President, Metrolog Corporation, 169 N. Halstead St., Pasadena, Calif.; Vice President, Air Logistics Corporation, 3600 E. Foothill Blvd., Pasadena, Calif.

Born: September 23, 1910, Colorado Springs, Colo. B.S. (E.E.), 1930, University of North Dakota; M.Sc., 1931, California Institute of Technology; D.Sc. (Honorary), 1949, University of North Dakota. **Professional Groups:** Engineering Management Administrative Committee, 1951-58, *chairman*. 1954. Awards: AIEE, First Papers Award, 1945.

BRIDGES, James M. (SM'47—F'59), Director of Electronics, Office Director, Defense Research & Engineering. The Pentagon, Washington 25, D.C.

Born: August 29, 1906, Hancock, Me. B.S.(E.E.), 1928, Univer-

sity of Maine. Awards: Commendation for Contribution to Advancement of Naval Fire Control, 1945, U. S. Navy.

BRIGGS, Maynard R. (A'37—SM'46—F'54), Manager, Missile Ground Control Engineering, Westinghouse Electric Corporation, P.O. Box 1897, Baltimore 3, Md.

Born: July 19, 1904, St. Paul, Minn. B.S. (E.E.), 1929, University of Minnesota. Committees: Antennas, 1944–45; Professional Groups, 1948; Radio Transmitters, 1948–58, chairman, 1951–53; Symbols, 1940–48; Transmitters and Antennas, 1939–48. Sections: Baltimore Section, vice-chairman, 1957, chairman, 1957–58. IRE Representative: IRE-RTMA Problems #2 Committee, 1948–49; IRE-RTMA—SMPTE Coordinating Committee, 1949–52; ASA Sectional Committee (C16) on Radio, 1952.

BRONWELL, Arthur B. (A'39—SM'43--F'56), President. Worcester Polytechnic Institute, Worcester, Mass.

Born: August 18, 1909, Chicago, Ill. B.S., 1933, M.S., 1936, Illinois Institute of Technology; M.B.A., 1947; Northwestern University; LL.D. (Honorary), 1955. Northeastern University; D.Eng. (Honorary), Wayne State University. Committees: Education, 1944-47, chairman, 1945-46; Papers Procurement, 1945-47. Sections: Chicago, chairman, 1943-44. IRE Representative: Northwestern University, 1941-45.

BROOKS, Frederick E., Jr. (S'42—A'44—M'48—SM'54—F'58),
Director of Research and Development, Collins Radio Company, 1930 HiLine Dr., Dallas, Tex.

Born: October 14, 1916, Mineola, L.I., N.Y. B.S. (E.E.), 1940, University of Kansas; D.Eng., 1944, Yale University.

BROTHERS, James T. (A'29—SM'45—F'59), Manager, Component Engineering Division, Philco Corporation, Tioga & C Sts., Philadelphia 34, Pa.

Born: April 30, 1908, New York, N.Y. Physics, New York University. Committees: Admissions, 1947–49; Papers Procurement, 1956; Sections, 1949–51; Standards, 1932–33; Symbols, 1948–50. Professional Groups: Component Parts Administrative Committee, 1953–59, vice-chairman, 1958. Sections: Philadelphia, secretary-treasurer, 1947, vice-chairman, 1948, chairman, 1949.

BROWN, Archibald S. (A'14—SM'47—F'56)(L), Special Assistant to Director of Engineering Research, Stanford Research Institute, Menlo Park, Calif.

Born: July 1, 1889, Minneapolis, Minn. B.S., 1910, Montana State College; E.E., 1915, University of Montana; Dr. Eng. (Honorary), 1958, Montana State College. Sections: San Francisco, vice-chairman, 1933; Engineering Management, San Francisco, chairman, 1954. Professional Groups: Administrative Committee, Aeronautical & Navigational Electronics, 1950-51; Administrative Committee, Engineering Management, 1957-60; Administrative Committee, Military Electronics, 1958-61. Military Electronics, San Francisco, vice-chairman, 1957; Technical Program Committee WESCON, 1959. Awards: U. S. Navy Commendation, 1946; Order of the British Empire, 1946.

BROWN, George H. (A'30—VA'39—F'41), Vice President, Engineering, Radio Corporation of America, Princeton, N.J. Born: October 14, 1908, N. Milwaukee, Wis. B.S., 1930, M.S., 1931, Ph.D., 1933, E.E. (Professional), 1942, University of Wisconsin. Committees: Annual Review, 1947-48; Antennas, 1944-49; Papers Procurement, 1948-50. Awards: Fellow, AIEE.

BROWN, Gordon S. (SM'53—F'55), Professor and Head, Department of Electrical Engineering, Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge 39, Mass.
Born: August 30, 1907, Drummoyne, N.S.V.. Australia. M.E. (E.E.), 1925. Melbourne Technical School; B.S., 1931, M.S. 1934, Sc.D., 1938, Massachusetts Institute of Technology. IRE. Offices: Director, 1958–60. Committees: Nominations, 1959; Policy Advisory, 1959. Awards: Certificate for Distinguished Service to Naval Ordnance Development, 1945; President's Certificate of Merit. 1948; Fellow, American Academy of Arts and Sciences. 1950; Fellow, American Institute of Electrical Engi-

neers, 1950; 7th George Westinghouse Award, American Society for Engineering Education, 1952.

BROWN, Jesse E. (A'24-M'28-SM'43-F'49), Vice President, Engineering, Zenith Radio Corporation, 6001 W. Dickens Ave., Chicago 29, Ill.

Born: September, 1902, Greenport, N.Y. Attended Cornell University, 1920-24. IRE Offices: Director, 1938, 1947. Committees: Admissions, 1940; Awards, 1940; Frequency Modulation, 1940-47; Industrial Electronics, 1947-49; Membership, 1949-50; Modulation Systems, 1947-48; Nominations, 1947; Papers Procurement, 1942-45; Public Relations, 1940; Radio Receivers, 1941-42, 1945-51; Receivers, 1949-51; Regular Papers, 1941; Sections, 1937; Special Publications Funds, 1947; Television, 1940-49; Television Systems, 1949-59. Sections: Chicago, secretary, 1936-37, chairman, 1938-39. IRE Representative: Army Signal Association, 1947.

BROWN, William C. (A'39-M'55-SM'58-F'59), Assistant Vice President, Raytheon Manufacturing Company, Foundry Ave., Waltham 54, Mass.

Born: May, 1916, Lewis, Iowa. B.S.(E.E.), 1937, Iowa State College; M.S., 1941, Massachusetts Institute of Technology. Awards: Naval Ordnance Development Award, 1945; Certificate of Commendation for Outstanding Service During World War II, 1947.

BROWNING, Glenn H. (A'24-M'28-SM'43-F'55), Retired, RFD 1. Sebago Lake, Me.

Born: March 9, 1897, Solon, Iowa. B.A., 1921, ScD. (Honorary), 1950, Cornell College. IRE Offices: Director, 1952-55. Committees: Nominations, 1955. Sections: Boston, chairman, 1946-47.

BRUECKMANN, Helmut L. (SM'49-F'58), Principal Research Scientist, U. S. Army Signal Engineering Laboratories, Fort Monmouth, N.J.

Born: May 2, 1906, Frankfurt (Main), Germany. Dipl. E., 1930, D.Eng., 1935, Technical University, Berlin, Germany.

BRUNETTI, Cledo (A'37-SM'46-F'49), Executive Assistant to Executive Vice President and Manager, Ordnance Division, Food Machinery and Chemical Corporation, 1105 Coleman Ave., San Jose, Calif.; Vice President and General Manager, Grand Rocket Company, Redlands, Calif.

Born: April, 1910, Virginia, Minn. B.E.E. (with High Distinction), 1932, Ph.D., 1937, University of Minnesota. Committees: Awards, 1957; Circuits, 1944-51, vice-chairman, 1949-50; Fellow, 1958; Industrial Electronics, 1955-58; Papers Procurement, 1948-50; Radio Transmitters, 1946-49. Professional Groups: Automatic Controls Administrative Committee, 1954. Awards: National Scholarship Key; National I.A. Civic League, 1937; Outstanding Young Electrical Engineer, Eta Kappa Nu, 1941; Certificate of Appreciation of Services, Office of Scientific Research and Development, 1945; Certificate for Outstanding Service, War Department, 1945; Naval Ordnance Development Award for Exceptional Service, United States Navy, 1945; Army-Navy Certificate of Appreciation for Outstanding Services during World War II, War and Navy Department, 1947. The Material and Methods Achievement Grand Award, Materials and Methods Magazine, 1947; Fellow, AIEE; Outstanding Achievement Award, University of Minnesota, 1958.

BRUSTMAN, Joseph A. (A'39-SM'48-F'59), Manager, Product Development and Design, Electronic Data Processing Engineering, Radio Corporation of America, Camden 2, N.J. Born: March, 1913, Vienna, Austria. Dipl. Ing., 1938, Technical University, Vienna, Austria. Awards: Award from the Office of Scientific Research and Development, Washington, D.C., 1945.

BUDENBOM, Horace T. (A'40-SM'46-F'56), Retired from Bell Telephone Laboratories, Inc., Whippany, N.J. Associated with Stavid Engineering, Inc., Plainfield, N.J. Residence: 82 Wellington Ave., Short Hills, N.J. Born: August 4, 1902, Brooklyn, N.Y. B.S.(E.E.), 1922, E.E.,

1929. Purdue University. Sections: New York, secretary, 1950-51, vice-chairman, 1951-52, chairman, 1952-53.

BULLINGTON, Kenneth (A'45-SM'53-F'55), Transmission System Engineer, Bell Telephone Laboratories, Inc., Murray

Born: January 11, 1913, Guthrie, Okla. B.S.(E.E.), 1936, University of New Mexico; M.S.(E.E.), 1937, Massachusetts Institute of Technology. Committees: Editorial Reviewer, 1954-59; Papers Review, 1949-53; Wave Propagation, 1954-56, 1959. Awards: IRE Morris Liebmann Memorial Prize, 1956; Stuart Ballantine Medal, Franklin Institute, 1956.

BURKE, Charles T. (A'25-M'27-F'37), Director of Planning, General Radio Company, 22 Baker Ave., West Concord, Mass. Born: August 4, 1902, Watertown, Mass. S.B., 1924, S.M., 1924, Massachusetts Institute of Technology. Committees: Handbook, 1945-48; Papers Procurement, 1946; Power Supply, 1928-29; Radio Receivers, 1927-28; Standards, 1941-43.

BURNAP, Robert S. (A'30-F'47), Manager, Commercial Engineering, Electron Tube Division, Radio Corporation of America, 5 & Sussex Sts., Harrison, N.J.

Born: July 12, 1894, Monterey, Mass. S.B., 1916, Massachusetts Institute of Technology. Committees: Ad Hoc Committee to Make Critical Review of Organization of Committee, 1952-53; Administrative Committee of the Board of Editors, 1951-53; Annual Review, 1943-49; Awards, 1948; Board of Editors, 1944-53; Editorial Administrative, 1946-53; Editorial Reviewer, 1954; Electron Devices, 1952-56; Electronics, 1936-46, chairman, 1942-46; Electron Tubes, chairman, 1946-49; Electron Tubes and Solid State Devices, 1949-52; Handbook, 1945-48; Papers Procurement, 1942-44; Regular Papers, 1941; Standards, 1943-49; Symbols, 1940-41, 1943-48; Tellers, chairman, 1942; Vacuum Tubes, 1945-46. IRE Representative: ASA Subcommittee (C42.14) on Electronics, 1947-51.

BURROWS, Charles R. (A'24-M'38-SM'43-F'43), Vice President, Engineering, Radiation, Inc., Melbourne, Fla. Born: June 21, 1902, Detroit, Mich. B.S.E.(E.E.), 1924, University of Michigan; A.M., 1927, Columbia University; E.E., 1935, University of Michigan; Ph.D., 1938, Columbia University. IRE Offices: Director, 1956. Committees: Annual Review, 1943-46; Appointments, 1956; Circuits, 1945-50; Editorial Reviewer, 1955-59; National Convention, 1948; Radio Wave Propagation, 1942-45, chairman, 1943-45, Radio Wave Propagation and Utilization, 1945-47; Standards, 1943-45, 1949-50; Symbols, 1940-52; Wave Propagation, 1937-59; vice-chairman, 1948-49, chairman, 1949-50. Sections: Ithaca, chairman, 1953-54. Professional Groups: Engineering Management, 1953-60, vice-chairman, 1956-57, chairman, 1957-58. Awards: Presidential Certificate of Merit;

BUSIGNIES, Henri (M'42-SM'43-F'45), President, International Telephone and Telegraph Laboratories, a division of International Telephone and Telegraph Corporation, 500 Washington Ave., Nutley, N.J.

Distinguished Alumnus, University of Michigan; Fellow, AIEE;

Fellow, American Physical Society.

Born: December 29, 1905, Sceaux, Paris, France, E.E., 1926, Institute Normal Electro-technique, Paris, France; D.Sc. (Honorary), 1958, Newark College of Engineering. Committees: Annual Review, 1948-49; Awards, 1955-56; Navigation Aids, 1946-51; vice-chairman, 1947-48; chairman, 1948-50; Standards, 1948-50. Awards: Presidential Certificate of Merit, 1948.

BUTTNER, Harold H. (M'27-SM'43-F'44), Retired, Vice President, International Telephone and Telegraph Corporation, 67 Broad St., New York 4, N.Y.; Director, Hewlett Packard Co., Palo Alto, Calif.; Director, F. L. Moseley Co., Pasadena,

Born: November 3, 1892, Port Costa, Calif. B.S.(E.E.), 1915. University of California. Committees: Electronics, 1940-41; Meetings and Papers, 1929; Standards, 1938-39.

BYRNE, John F. (SM'45-F'50), General Manager, Riverside

Research Laboratory, Motorola, Inc., Adams & Indiana Aves., Riverside, Calif.

Born: October 26, 1905, Cincinnati, Ohio. B.S., 1927, M.S. (E.E.), 1928, Ohio State University. IRE Offices: Director, 1955-57. Committees: Appointments, 1955; Awards, 1953-55; Policy Advisory, 1956-57; Tellers, 1949. Awards: United States Navy Certificate of Commendation, 1947; Presidential Certificate of Merit, 1948.

BYRNES, Irving F. (A'23—M'39—SM'43—F'54), Manager, Radiomarine Engineering. Radio Corporation of America, 75 Varick St., New York 13, N.Y.

Born: October, 1898, Beacon, N.Y. Union College Extension Courses in Electrical Engineering completed in 1926, Committees: Paper Procurement, 1947–50; Standardization, 1930–31. IRE Representative: ASA Sectional Committee on Electrical Installations on Shipboard, 1939–48. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940; U. S. Navy Bureau of Ships Certificate of Commendation, 1947.

CADY, Walter G. (A'14—F'27)(L), Consultant, 3350 Calvert Rd., Pasadena 8, Calif.

Born: December 10, 1874, Providence, R.I. Ph.B., 1895, M.A., 1896, Brown University; Ph.D., 1900, University of Berlin; D.Sc., 1938, Brown University; 1958, Wesleyan University. IRE Offices: President, 1932; Editor, 1929; Director, 1929, 1932–34. Committees: Annual Review, 1942–50; Awards, 1928–30, 1933, chairman, 1930; Bibliography, 1930–31; Board of Editors, 1928–29, 1945, chairman, 1929; Institute Sections, 1928; Meetings and Papers, 1928–29; Nominations, 1930, 1933–34, 1939, chairman, 1933; Papers, 1931; Piezo-electric Crystals, 1941–59, chairman, 1942–49; Standards, 1943–51. Sections: Connecticut Valley, chairman, 1927–28. Awards: IRE Morris Liebmann Memorial Prize, 1928; Duddell Medal, Physical Society of London, 1936.

CAHOON, Roy D. (A'35—SM'47—F'56), Prairie Regional Engineer, Canadian Broadcasting Corporation. 541 Portage Ave., Winnipeg, Man., Canada.

Born: March 1, 1911, Cardston, Alta., Canada. B.A.Sc. (E.E.), 1934, University of Toronto; McGill University, 1943. Sections: Winnipeg Subsection, *chairman*, 1949–50.

CALDWELL, Orestes H. (M'28—SM'43—F'44), Editorial Consultant, Electronic Industries, Electronics Technician, Catrock Rd. at Bible Corners, Cos Cob, Conn.

Born: March 8, 1888, Lexington, Ky. B.S.(E.E.), 1908, E.E., 1931, D.E., 1933, Purdue University. IRE Offices: Manager, 1932; Director, 1932-33. Committees: Admissions, 1933; Annual Review, 1942-43; Board of Editors, 1946-53; Constitution and Laws, 1932-33, 1935; Nominations, 1934; Publicity, 1931-37, 1939, chairman, 1934-36; Public Relations, 1942-46, 1949-50; chairman, 1942; Tellers, 1932-33. Awards: Fellow, AIEE.

CALLAHAN, John L. (A'21—M'31—SM'43—F'53), Administrator, Radio Research Laboratory, RCA Laboratories, Rocky Point, L.I., N.Y.

Born: December 9, 1898, Minneapolis, Minn. 1919, Sorbonne, Paris; 1941, New York University. Committees: Admissions, 1944-48; Annual Review, 1940-45; Awards, 1951; Facsimile, 1939-46, chairman, 1940-45; Papers, 1942; Professional Groups, 1955; Standards, 1940-45; Symbols, 1940-41; Television and Facsimile, 1937-38; Tellers, 1949-51; chairman, 1950. Professional Groups: Communications Systems Administrative Committee, secretary, 1952-54. Awards: Army-Navy Certificate of Appreciation, 1948; Fellow. AIEE; Fellow, Radio Club of America.

CAMPBELL, Richard D. (A'34—SM'46—F'51), Point-to-Point Radio Engineer, American Telephone and Telegraph Company, 195 Broadway, New York, N.Y.

Born: May 26, 1899, St. Louis, Mo. B.S.(E.E.), 1922, George Washington University. Committees: Industrial Electronics, 1947—48; National Convention, 1947.

CAMRAS, Marvin (S'41-A'42-SM'48-F'52), Senior Physicist,

Armour Research Foundation, 10 W. 35 St., Chicago 16, Ill. Born: January 1, 1916, Chicago, Ill. B.S.(E.E.), 1940, Armour Institute of Technology; M.S.(E.E.), 1942, Illinois Institute of Teechnology. Committees: Recording and Reproducing, 1954–59. Professional Groups: Audio, 1951–59, secretary, 1951–52, chairman, 1953–54; Chapters, chairman, 1956; Nominating, chairman, 1954–56; Editor, IRE Transactions on Audio, 1958-59. Awards: Illinois Institute of Technology Alumni Association Distinguished Service Award, 1948; Eta Kappa Nu Award (Honorable Mention), 1948; U. S. Camera Award for Contribution to Motion Picture Photography, 1949; Fellow, Acoustical Society of America, 1951; John Scott Medal, 1955; Indiana Technical College Citation, 1958; IRE-PGA Achievement Award, 1958.

CARLIN, Herbert J. (M'47—SM'50—F'56), Research Professor and Associate Director, Microwave Research Institute of the Polytechnic Institute of Brooklyn, 55 Johnson St., Brooklyn 1, N.Y.

Born: May 1, 1917. B.S., 1938, Columbia College; M.S., 1940, Columbia University School of Engineering; D.E.E., 1947, Polytechnic Institute of Brooklyn. Committees: Editorial Reviewer, 1954-59. Professional Groups: Circuit Theory, secretary, 1950-52; vice-chairman, 1953-55, chairman, 1955-56; Instrumentation, secretary, 1950-53.

CARLSON, Wendell L. (A'36—SM'47—F'49), Technical Advisor, Patent Operations, Radio Corporation of America, Laboratories Division, Princeton, N.J.

Born: January, 1897, Jamestown, N.Y. Committees: Radio Receivers, 1946-47.

CARNAHAN, C. Wesley (A'34—SM'45—F'52), Technical Assistant to the President, Varian Associates, Palo Alto, Calif. Born: July 4, 1907. Berkeley, Calif. B.A., 1927, M.A., 1931, Stanford University. Committees: Board of Editors, 1947-53; Papers Review, 1946. Sections: New Mexico, chairman, 1949-53; San Francisco, director, 1957.

CARSON, Victor S. (S'39—A'42—SM'51—F'55), Professor, Electrical Engineering, San Jose State College, San Jose, Calif. Born: June 29, 1908, Pocatello, Idaho. B.S. (E.E.), 1938, Oregon State College; Engr., 1940, Ph.D., 1946, Stanford University. Sections: North Carolina-Virginia, secretary-treasurer, 1950-54, vice-chairman, 1951, chairman, 1952. IRE Representative: University of Connecticut, 1941-42; Stanford University, 1945.

CARTER, E. Finley (A'24—F'36), Director and Member of Board of Directors, Stanford Research Institute, Menlo Park, Calif.

Born: July 1, 1901, Elgin, Tex. B.S., 1922, Rice Institute. IRE Offices: Director, 1943–45. Committees: Admissions, 1944; Constitution and Laws, 1945, 1948; Editorial Administrative, 1949–50; Executive, 1944–45; National Convention, 1947–48. Awards: Professional Recognition, 1947.

CARTER, Philip S. (A'29—M'38—SM'43—F'49), Research Engineer, RCA Laboratories Division, Rocky Point, L.I., N.Y. Born: July, 1896, Glastonbury, Conn. A.B. (Mechanical Engineering), 1918, Stanford University. Committees: Annual Review, 1945–48; Antennas, chairman, 1945–48; Antennas and Wave Guides, 1949–59; Board of Editors, 1937–46; Standards, 1945–59. Professional Groups: Antennas and Propagation, 1949–58, chairman, 1953; U.S.A. National Committee, URSI, 1953–56. Awards: Modern Pioneer Award. National Association of Manufacturers, 1940; Citation for Overseas Work on Countermeasures "V" 2 Rocket, Secretary of War. 1947; Army-Navy Certificate of Appreciation, 1948.

CAWEIN, Madison (M'36—SM'43—F'54), Consultant in Television and Physics, 27 Hussa Pl., Denville, N.J.; Vice President, Grimson Color, Inc., 381 Fourth Ave., New York, N.Y. Born: March, 1904, Louisville, Ky. B.S. (Physics), 1924, University of Kentucky; 1925, Cornell University; 1927–30, University of Kentucky. Committees: Papers Procurement, 1945–47.

CHAFFEE, E. Leon (M'17—F'21) (L), Professor, Applied Phys-

ics, Emeritus, Harvard University, Cambridge 38, Mass. Born: April, 1885, Somerville, Mass. S.B., 1907, Massachusetts Institute of Technology; A.M., 1908, Ph.D., 1911, S.D. (Honorary), 1944, Harvard University; D.Engr. (Honorary), 1954, Case Institute of Technology. IRE Offices: Vice President, 1922; Director, 1922. Committees: Electron Tubes, 1946-47; Electronic, 1936-45; Membership, 1925; Papers, 1918-19; Papers Procurement, 1942-43; Regular Papers, 1941; Research, 1949-50; Standardization, 1927-31; Symbols, 1940-43, Vacuum Tubes, 1930-31, 1945-46. Sections: Boston, chairman, 1932-35. IRE Representative: Harvard University, 1941-53. Awards: Longstreth Medal of Merit, Franklin Institute, 1912; IRE Medal of Honor, 1959.

CHAFFEE, Joseph G. (A'26-M'40-SM'43-F'54), Member, Technical Staff, Bell Telephone Laboratories, Inc., 463 West St., New York 14, N.Y.

Born: March, 1901, Hackensack. N.J. S.B., 1923, Massachusetts Institute of Technology.

CHAMBERLAIN, Adolph B. (A'27—M'30—F'41), Director of Engineering, CBS Television Network, 485 Madison Ave., New York 22, N.Y.

Born: February 3, 1901, Franklin, Mass. IRE Offices: Director, 1941-44. Committees: Admissions, 1940-41; Annual Review, 1947-48; Awards, 1942; Broadcast, alternate, 1932-33; Constitution and Laws, 1947; Frequency Modulation, 1940-41; Membership, 1949-50; National Convention, 1947; New York Program, 1938-42, chairman, 1940; Papers, 1942; Professional Groups, 1948-49; Public Relations, 1946; Radio Transmitters and Antennas, 1929-30; Regular Papers, 1941; Standardization, 1929-31; Standards, 1946-50, chairman, 1947-48; Tellers, chairman, 1942; Transmitters and Antennas, 1936-37. Sections: Buffalo-Niagara, chairman, 1930-31; Rochester, chairman, 1928-29. IRE Representative: ASA Standards Council, 1948-49; ASA Sectional Committee on Definitions of Electrical Terms, 1948-49. Awards: Legion of Merit, 1946.

CHAMBERS, Carl C. (A'30—M'42—SM'43—F'59), Vice President for Engineering Affairs, University of Pennsylvania, 107 Towne Building, 220 S. 33 St., Philadelphia 4, Pa.

Born: May 8, 1907, Philadelphia, Pa. B.S. (Math.), 1929, Dickinson College, Carlisle, Pa.; Sc.D. (Major F.E.), 1934. University of Pennsylvania. IRE Offices: Board of Directors, 1942. Committees: Annual Review, 1943-45; Awards, 1949; Board of Editors, 1948-53; Education, 1944-46, 1950-54; Frequency Modulation, 1941-43, chairman, 1943-47; Measurements and Instrumentation, 1949-52; Modulation Systems, 1947-50; Radio Frequency Interference, 1955-58; Standards, 1941-45. Special Committees: Professional Recognition, 1955-59. Sections: Philadelphia, chairman, 1941-42. IRE Representative: ASA Sectional Committee (C63) on Radio Electrical Coordination, 1948-51; U. S. National Committee of the International Electrotechnical Commission—Member-at-Large; Member, U. S. Commission IV of URSI, International Scientific Radio Union, 1949-59. Awards: Fellow, American Institute of Electrical Engineers.

CHAMBERS, Dudley E. (M'41—SM'43—F'48), Manager, Engineering Services Research, General Electric Company, 1 River Rd., Schenectady 5, N.Y.

Born: November 27, 1905, Kansas City, Mo. B.A., 1927, E.E., 1928, Stanford University. Committees: Awards, 1948, 1950-51; Board of Editors, 1953; Education, 1953, Research, chairman, 1949-50; Standards, 1949-50. Awards: Fellow, AIEE, 1948.

CHAMBERS, Joseph A. (A'28—M'30—SM'43—F'55), Vice President. Motorola, Inc., General Manager, Motorola Western Military Electronic Center, 8201 E. McDowell, Phoenix, Ariz. Born: August 1, 1903, Union, S.C. B.S., 1924, Clemson. Committees: Editorial Reviewer, 1954—59.

CHANCE, Britton (M'46—SM'46—F'54), Professor of Biophysics. Director of the Johnson Foundation for Medical Physics, 36 & Spruce Sts., Philadelphia 4, Pa.

Born: July 24, 1913, Wilkes-Barre, Pa. B.S., 1935, M.S., 1936, Ph.D., 1940, University of Pennsylvania; Ph.D., 1942, Sc.D., 1952, University of Cambridge. Awards: President's Certificate of Merit, 1949; Paul Lewis Award in Enzyme Chemistry, 1950, American Chemical Society; Fellow, Physical Society; Fellow, American Association for the Advancement of Science.

CHINN, Howard A. (A'42—SM'45—F'45), Chief Engineer, CBS Television, 485 Madison Ave., New York 22, N.Y. Born: January 5, 1906, New York, N.Y. S.B., 1927, S.M., 1929, Massachusetts Institute of Technology. Committees: Admissions, 1945–48; Audio and Video Techniques, chairman, 1948; Constitution and Laws, 1952; Editorial Reviewer, 1954–59; Education, 1945; Membership, 1934, 1936–38; Papers, 1935–40, 1944–45; Papers Review, 1946–52; Professional Groups, 1948; Standard, 1948–49; Tellers, 1946–47, chairman, 1947. Awards: Presidential Certificate of Merit, 1949; John H. Potts Memorial Award, 1950; Fellow, Audio Engineering Society; Fellow, Acoustical Society of America; Fellow, Society Motion Picture and Television Engineers; Fellow. American Institute of Electrical Engineers.

CHIPP, Rodney D. (A'34—SM'43—F'55), Associate Laboratory Director, Radio Communication Laboratory, International Telephone and Telegraph Laboratories, 500 Washington Ave., Nutley, N.J.

Born: May 16, 1910, New Rochelle, N.Y. Committees: Constitution and Laws, 1950; Industrial Electronics Committee, 1956-58; National Convention, 1947-52; Video Signal Transmission: Methods of Measurement, 1952-55. Sections: New York, secretary, 1948-49, vice-chairman, 1949-50, chairman, 1950-51. Professional Groups: Engineering Management Administrative Committee, 1958-61. Awards: U. S. Navy Commendation, 1946.

CHITTICK, Kenneth A. (A'26—SM'49—F'53), Manager, TV Receivers, RCA Victor TV Department, Cherry Hill, Camden, N.J.

Born: November 6, 1903, Old Bridge, N.J. B.S., 1925, Rutgers University. Committees: Instruments and Measurements, 1949-50; Papers Procurement, 1947-50; Radio Frequency Interference, 1955-59; Radio Receivers, 1951-59; Television, 1945-48; Television Systems, 1949-59. Awards: Award of Merit, RCA, 1947; Certificate of Commendation, U. S. Navy, 1947.

CHODOROW, Marvin (A'43—SM'47—F'54), Professor, Applied Physics and Electrical Engineering, Stanford University, Stanford, Calif.

Born: July 16, 1913, Buffalo, N.Y. B.A., 1934, University of Buffalo; Ph.D., 1939, Massachusetts Institute of Technology. Committees: Awards, 1956-58. Editorial Reviewer, 1954-59.

CHRISTALDI, P. Samuel (S'35—A'40—SM'44—F'52), 132 Squire Hill Rd., Upper Montclair, N.J.

Born: November 26, 1914, Philadelphia, Pa. E.E., 1935, Ph.D. (Physics), 1938, Rensselaer Polytechnic Institute. Committees: Admissions, 1949–53, chairman, 1950–51; Measurements and Instrumentation, 1949–59, vice-chairman, 1952–54, chairman, 1954–58; Standards, 1954–58; Tellers, 1956. Sections: Northern New Jersey Subsection, secretary, 1951–53, chairman, 1955–56. IRR Representative: U. S. National Committee, International Electrotechnical Commission, Advisers on Electric Measuring Instruments, 1955; ASA Sectional Committee (C39) on Electrical Measuring Instruments, 1955–56; Joint IRE-AIEE Committee on High Frequency Measuring Instruments, 1956. Awards: Fellow, Radio Club of America.

CHU, Lan J. (A'39—VA'39—SM'48—F'52), Professor of Electrical Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass.

Born: August 24, 1913, Hweiying, Kiangsu, China. B.S., 1934, Chiao Tung University; M.S., 1935, Sc.D., 1938, Massachusetts Institute of Technology. Committees: Antennas, 1948–49; Antennas and Wave Guides, 1949–51, vice-chairman, 1949–50; Editorial Reviewer, 1954–59; Technical Program. 1949–50.

CLAPP, James K. (A'24-M'28-F'33), Retired from General

Radio Company, 22 Baker Ave., West Concord, Mass. Born: December 30, 1897, Denver, Colo. B.S., 1923, S.M., 1926, Massachusetts Institute of Technology. Committees: Editorial Reviewer, 1954-58; Papers, 1931-45; Papers Review, 1946-55; Piezoelectric Crystals, 1940-56; Standards, 1934-35.

CLARK, Ralph L. (A'29—SM'48—F'58), Manager, Washington Office, Stanford Research Institute, 711 14th St., N.W., Washington, D.C.

Born: June 2, 1908, East Jordan, Mich. B.S. (E.E.), 1930, Michigan State University. Professional Groups: National Administrative Committee, Military Electronics, 1955–57; Joint Technical Advisory Committee, 1959.

CLAVIER, André G. (M'30—F'39), Vice President and Technical Director; Scientific Adviser to the President, International Telephone and Telegraph Laboratories, 500 Washington Ave., Nutley 10, N.J.

Born: February 15, 1894, Cambrai, France. Licéncjé-ès-sciénces physiques et mathématiques, 1918, Sorbonne, Paris; Ingénieur diplôme de l'Ecole Supérieure d'Eléctricité, 1920, Paris, France; Professeur à l'Ecole Supérieure d'Eléctricité, 1942-47. Committees: Admissions, 1950-52; Professional Groups, 1955; Standards, 1951-59; Symbols, 1949-54, vice-chairman, 1949-50, chairman, 1951-53; Wave Propagation, 1959. Professional Groups: Communication Systems, Administrative Committee, 1953; Microwave Theory and Techniques, chairman, 1953. IRE Representative: ASA Drawings and Symbols Correlating Committee, alternate, 1951-52; ASA Graphic Standards Board, 1953; ASA Sectional Committee (Y10) on Letter Symbols, 1951-53; ASA Sectional Committee (Y14) on Standards for Drawings and Drafting Room Practice, alternate, 1951-52; ASA Sectional Committee (Y15) on Standards for Graphic Presentation, 1951; ASA Sectional Committee (Y15) on Preferred Practice for the Preparation of Graphs, Charts and Other Technical Illustrations, alternate, 1952; U. S. National Committee, International Electrotechnical Commission, Advisors on Symbols, 1955: ASA Sectional Committee (Y32) on Graphical Symbols and Designations, 1955-59. Awards: Fellow, AIEE; Member Lauréat de la Société Française des Eléctriciens; President, Fifth Section, Société des Radioéléctriciens, Paris, 1945-47; Vice President, American Section of Société des Ingénieurs Civils de France, 1952-56.

CLEETON, Claud E. (A'41—SM'46—F'55), Superintendent, Applications Research Division, Naval Research Laboratories, Washington 25, D.C.

Born: December 11, 1907, Downing, Mo. B.S., 1928, Northeast Missouri State Teachers College; M.A., 1930, University of Missouri; Ph.D., 1935, University of Michigan. Awards: President's Certificate of Merit, 1946; Meritorious Civilian Service Award. 1947

CLEMENT, Lewis M. (A'14-M'17-F'26)(L), Consultant, Reeves Instrument Company, Garden City, L.I., N.Y. Born: January 25, 1892, Oakland, Calif. B.S. (E.E.), 1914, University of California. IRE Offices: Director, 1945. Committees: Board of Editors, 1941-53; Electro-Acoustic Devices, 1930-31; Meetings and Papers, 1929; Papers Procurement, 1948-50; Professional Groups, 1953-54; Radio Receivers, 1927-28; Regular Papers, 1941; Standardization, 1927-31; Vacuum Tubes, 1929-30. Professional Groups: Broadcast and Television Receivers, secretary, 1953-55. Sections: Cincinnati, chairman, 1945. Awards: Modern Pioneer Award. National Association of Manufacturers, 1940; Naval Ordnance Development Award, Bureau of Ordnance. USN, 1945; A Pioneer in the Field of Aircraft Electronic Development, Dayton Section IRE, 1950; Radio-Electronics-Television Manufacturers Association IRE Annual Award, Radio Fall Meeting Plaque, Syracuse, 1955.

CLEWELL, Dayton (M'49—SM'49—F'54), General Manager, Research Department, Socony Mobil Oil Co., Inc., 150 E. 42 St., New York, N.Y.

Born: December 15, 1912. Berwick, Pa. B.S., 1933, Ph.D., 1936, Massachusetts Institute of Technology.

COBINE, James D. (A'34—SM'44—F'57), Physicist Research Laboratory, General Electric Company, The Knolls, Schenectady, N.Y.

Born: May, 1905, Oklahoma City, Okla. B.S.(E.E.), 1931, University of Wisconsin; M.S.(E.E.), 1932, Ph.D.(E.E.), 1934, California Institute of Technology. Committees: Admissions, 1946-49; Board of Editors, 1945-54; Editorial Reviewer, 1954-57, 1959; Education, 1945-46. Sections: Schenectady, secretary-treasurer, 1949-51. Awards: Army-Navy Certificate of Appreciation, World War II, 1947; Fellow, American Physical Society.

COGGESHALL, Ivan, S. (A'26—M'29—F'42), Assistant Vice-President, International Communications, Western Union Telegraph Company, 60 Hudson St., New York 13, N.Y.

Born: September 30, 1896, Newport, R.I. D.Eng. (Honorary), 1951, Worcester Polytechnic Institute. IRE Offices: President, 1951; Director, 1941-44, 1951-53. Committees: Admissions, 1934-35, 1941-42; Annual Review, 1944-47; Building Fund, vice-chairman, 1945; Constitution and Laws, 1942, 1945-50, 1953-59, chairman, 1948, 1950; Executive, 1942, 1951-52, chairman, 1951; Finance, 1948-52 ex officio, 1951; Membership, 1928-31, 1934-41, chairman, 1929-30, 1934-35, 1941; National Convention, vice-chairman, 1948; New York Program, 1938-40, chairman, 1939; Nominations, 1944, 1953; Papers, 1942-45; Papers Procurement, 1945-46, chairman, 1945; Papers Review, 1946-47; Professional Groups, 1950; Public Relations, 1943-46, chairman, 1943-45; Sections, 1933-35, 1938-42; Standards, 1945-46. IRE Representative: Joint IRE-RTMA Co-ordination Committee, 1951; Joint Technical Advisory Committee, 1951. Awards: Fellow, AIEE.

COHN, Seymour B. (S'41—A'44—M'46—SM'51—F'59), Laboratory Manager, Stanford Research Institute, Menlo Park, Calif. Born: October 21, 1920, Stamford, Conn. B.E., 1942, Yale University, M.S., 1946, Ph.D., 1948, Harvard University. Committees: Antennas and Waveguides, 1951-53; Papers, 1945; Papers Review, 1945-53. Professional Groups: Microwave Theory and Technique Administrative Committee, 1955. Awards: Annual Award for Advancement of Basic and Applied Science, Yale Engineering Association, 1954.

COLE, Ralph I. (A'29—SM'46—F'58), Manager, Military Project Planning, Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

Born: August, 1905, St. Louis, Mo. B.S. (E.E.), 1927, Washington University; M.Sc. (Physics), 1936, Rutgers University. IRE Offices: Director, 1958-59. Committees: Ad Hoc Committee on Manpower, 1958; National Convention, Technical Program, 1950-51; Policy Advisory Committee, 1959; Radio Receivers, 1937-40. Awards: Legion of Merit, 1947.

COLEMAN, John B. (A'25—M'29—SM'43—F'48), Administrator, High Power Transmitters, Defense Electronic Products, Radio Corporation of America, Front & Cooper Sts., Camden, N.J.

Born: August, 1899, Indiana County, Pa. B.S. (E.E.), 1923, Carnegie Institute of Technology. IRE Offices: Director, 1948-49. Committees: Broadcast, 1933-34; Constitution and Laws, 1952-55; Membership, 1949-51. Sections: Philadelphia, chairman, 1942-43.

COLLINS, Arthur A. (J'26—A'32—VA'39—SM'49—F'53), President, Collins Radio Company, 855 35 St., N.E., Cedar Rapids, Iowa.

Born: September 9, 1909, Kingfisher, Okla.

COLTMAN, John W. (SM'49—F'55), Manager, Electronics and Nuclear Physics Department, Westinghouse Research Laboratories, East Pittsburgh, Pa.

Born: July 19, 1915, Cleveland, Ohio. B.S., 1937, Case Institute of Technology; M.S., 1939, Ph.D., 1941, University of Illinois. Committees: Board of Editors, 1951-53; Editorial Reviewer, 1954-59; Research, 1949-50. Sections: Nuclear Science, Pittsburgh, chairman, 1956. Awards: Fellow, American Physical Society, 1954.

COLTON, Roger B. (SM'46-F'54), Major General, U. S. Army,

Retired, 624 E. Hunting Towers, Alexandria, Va. Born: December 15, 1887, Jonesborough, N.C. Ph.B., 1908, Sheffield Scientific School, Yale University; M.S., 1920, Massachusetts Institute of Technology; Graduate of following Army Schools: C. Artillery School, 1922; C. Artillery School, Advanced Course, 1927; C. & G. S. School, 1928; Army War College, 1938. Awards: Distinguished Service Medal, War Department, 1946; Legion of Merit, War Department, 1946; Fellow, American Institute of Electrical Engineers.

COMSTOCK, George C. (A'47-M'47-SM'51-F'57), Director. Research and Engineering Division, Airborne Instruments Laboratory, Inc., 160 Old Country Rd., Mineola, L.I., N.Y. Born: May, 1911, Peoria, Ill. B.S., 1932, Bradley University; Ph.D. (Physics), 1938, University of Chicago. Committees: Navigation Aids, 1949-51. Awards: War-Navy Department Award of Appreciation, 1947.

CONDON, Edward U. (M'42-SM'43-F'53), Wayman Crow Professor of Physics, Washington University, St. Louis 5, Mo. Born: March 2, 1902, Alamogordo, N.M. A.B., 1924, Ph.D., 1926, University of California; D.Sc. (Honorary), 1950, University of Delhi, India, and New Mexico School of Mines, 1952; Alfred University and American University. Awards: President, American Physical Society, 1946; Philosophical Society of Washington, 1951; American Association for Advancement of Science, 1953.

COOK, Ellsworth D. (A'21-VA'39-F'41), Manager Electronic Engineering, Electrical Engineering Laboratory, General Engineering Laboratory, General Electric Company, 1 River Rd.,

Schenectady, N.Y.

Born: June 17, 1898, Schenectady, N.Y. B.S.(E.E.), 1920, M.S. (E.E.), 1921, Ph.D.(E.E.), 1923, Union College. Committees: Admissions, 1944-48; Membership, 1936-40, 1942-48, chairman, 1940, 1944-45; Sections, 1935, 1937-47, chairman, 1938-39, 1940-48; Standards, 1932-33. Sections: Philadelphia, chairman, 1934-35. IRE Representative: ASA Sectional Committee on Acoustical Measurements and Terminology, 1936, 1939-46.

COOLEY, Austin G. (M'44-F'55), Executive Vice President and Director of Engineering, Times Facsimile Corporation, 540 W. 58 St., New York 19, N.Y.

Born: February 9, 1900, Seattle, Wash. Committees: Facsimile, 1945-57, vice-chairman, 1953-55. Awards: Certificate of Appreciation, War Department, 1946; Marconi Memorial Medal of Achievement, 1956.

CORCORAN, George F. (A'43-SM'53-F'56), Professor and Chairman, Department of Electrical Engineering, University of

Maryland, College Park, Md.

Born: September, 1900, Redfield, S.D. B.S., 1923, South Dakota State College; M.S., 1926, University of Minnesota. IRE Representative: University of Maryland, 1950-53. Awards: Fellow, American Institute of Electrical Engineers, 1950.

CORRINGTON, Murlan S. (SM'49-F'54), Leader, RCA Defense Electronics Products, Camden 2, N.J.

Born: May 26, 1913, Bristol, S.D. B.S.(E.E.), 1934, South Dakota School of Mines and Technology; M.Sc., 1936, Ohio State University. Committees: Ad Hoc Committee on Spurious Radiation, 1954-55; Professional Groups, 1956-58; Radio Frequency Interference, 1955-59. Sound Recording and Reproducing, 1950-56, vice-chairman, 1953-56. Professional Groups: Audio Administrative Committee, 1952-59, vice-chairman, 1954-56, 1958-59; Philadelphia Chapter, chairman, 1953-54; Circuit Theory Administrative Committee. 1954-57. Sections: Philadelphia, treasurer, 1953-54, secretary, 1954-55, vice-chairman, 1955-56, chairman, 1956-57.

CORWITH, Howard P. (M'26-SM'43-F'52), Vice President. Development and Research, The Western Union Telegraph Company, 60 Hudson St., New York 13, N.Y.

Born: December 3, 1892, Water Mill, L.I., N.Y. M.E., 1916, Cornell University. Committees: Admissions, 1949-54, chairman,

1952-53; Electronics, 1938-45; Tellers, 1941. Awards: Fellow, American Institute of Electrical Engineers, 1951.

COSENTINO, Adolfo T. (A'37-VA'39-F'40), Minister of Communications (Argentina) Palacio de Correos y Telegrafos, Buenos Aires, Argentina.

Born: November 18, 1898, Buenos Aires, Argentina, National School, Buenos Aires. IRE Offices: Vice President, 1941; Director, 1941. Committees: Sections, ex-officio, 1940-41, 1947-48. Sections: Buenos Aires, chairman, 1940-41, 1947-48.

COSTA, Helio (A'50-M'55-F'58), Major Brigadeiro Do Ar, Retired. Ave. Franklin Roosevelt 39, S. 1301, Rio de Janeiro, Brazil.

Born: September 19, 1910, Rio de Janeiro, Brazil, E.E., Stanford University, 1945.

CRAIG, Palmer M. (A'34-SM'45-F'54), Vice President, Engineering, Television and Radio Division, Philco Corporation, Tioga & C Sts., Philadelphia 34, Pa.

Born: January 29, 1904, Cherry Hill, Md. B.S.(E.E.), 1927, University of Delaware, Sections: Philadelphia, secretary, 1945, vice-chairman, 1946, chairman, 1947. Awards: Navy Ordnance Award, U. S. Navy, 1945; U. S. Certificate of Commendation, U. S. Navy, 1947.

CRAIN, Cullen M. (S'42-M'49-SM'54-F'58), Group Leader, Electronics Department, The Rand Corporation, 1700 Main St., Santa Monica, Calif.

Born: September 10, 1920, Goodnight, Tex. B.S.(E.E.), 1942, M.Sc. (E.E.), 1947, Ph.D., 1952, University of Texas. Sections: San Antonio, chairman, 1952. IRE Representative: University of Texas, 1950-52.

CRAVEN, Tunis A. M. (F'29), Commissioner, Federal Communications Commission, New Post Office Bldg., Washington 25, D.C. Mail: Langley, McLean P.O., Va.

Born: January 31, 1893, Philadelphia, Pa. Graduate, 1913, United States Naval Academy. IRE Offices: Director, 1937. Committees: Broadcast, 1934-35; Meetings and Papers, 1930-31; Papers, 1932-41; Radio Transmitters and Antennas, 1930-31; Standardization. 1929-31. Professional Groups: Communications Systems, 1957.

CRAWFORD, Arthur B. (A'29-SM'46-F'52), Technical Staff, Radio Research Engineer, Bell Telephone Laboratories, Inc., Box 107, Red Bank, N.J.

Born: February 26, 1907, Graysville, Ohio. B.S. (E.E.), 1928, Ohio State University. Committees: Editorial Reviewer, 1954-55; Wave Propagation, 1949-58, vice-chairman, 1959.

CROSBY, Murray G. (A'25-M'38-SM'43-F'43), President and Research Director, Crosby Laboratories, Inc., 299 Robbins Lane, Syosset, L.I., N.Y.

Born: September, 1903, Elroy. Wis. B.S., 1927, E.E., 1943, University of Wisconsin. IRE Offices: Director, 1947-49. Committees: Admissions, 1945-46; Annual Review, 1946-47; Appointments, 1947-48, chairman, 1948; Awards, 1950-52, chairman, 1950; Board of Editors, 1946-53; Editorial Administrative, 1946-50; Editorial Reviewer, 1954-59; Executive, 1949; Frequency Modulation, 1940-47, chairman, 1946-47; Modulation Systems, 1947-50, chairman, 1947-48; National Convention, 1948; Papers, 1944-45; Papers Procurement, 1945; Papers Review, 1946-51, chairman, 1946-48; Policy Development, 1948-50; Professional Groups, 1948; Standards, 1946-48. IRE Representative: IRE-RTMA, Problem No. 2, chairman, 1951. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940.

CULLUM, A. Earl, Jr. (J'28-A'31-SM'45-F'48), Head, A. Earl Cullum, Jr., Consulting Engineers, Inwood P.O., Dallas 9,

Born: September, 1909, Abilene, Tex. B.S. (Communications Engineering), 1931, Massachusetts Institute of Technology, IRE Offices: Director, 1948. Committees: Annual Review, 1948-49; Nominations, 1949-50; Policy Development, 1949-50; Radio Wave Propagation and Utilization, 1946-47; Standards, 1948-49; Wave Propagation, 1948-56, *chairman*, 1948-49. Professional Groups: Broadcast Transmission Systems Administrative Committee 1956-59. Awards: Presidential Certificate of Merit, 1948.

CULVER, Charles (M'20—SM'43—F'54)(L), Consulting Engineer, 740 W. Harrison Ave., Claremont, Calif.

Born: September 22, 1875, Preston, Minn. B.S., 1902, Carleton College; Ph.D., 1907, University of Pennsylvania; Research Fellow, 1917, Harvard University; 1930, University of Cambridge, England. Sections: Twin Cities, chairman, 1941–42. IRE Representative: Carleton College, 1941–45. Awards: Fellow, American Institute of Electrical Engineers.

CUTLER, C. Chapin (A'40—SM'53—F'55), Assistant Director of Electronics & Radio Research, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: December 16, 1914, Springfield, Mass. B.S., 1937, Worcester Polytechnic Institute. Committees: Editorial Reviewer, 1954-59. Professional Groups: Electron Tube Conference, 1950-54, chairman, 1954.

CUTTING, Fulton (M'15—F'21)(L), Trustee, Professor of Physics and Assistant to the President, Stevens Institute of Technology, Hoboken, N.J.

Born: December 27, 1886, New York, N.Y. IRE Offices: President, 1922; Vice President, 1921; Manager, 1920; Director, 1921-24. Committees: Education, 1944; Investments. 1944-46.

DARLINGTON, Sidney (SM'53—F'57), Member, Technical Staff, Bell Telephone Laboratories, Inc., Murray Hill, N.J. Born: July, 1906, Pittsburgh, Pa. B.S., 1928, Harvard University; B.S.(E.E.), 1929, Massachusetts Institute of Technology; Ph.D., 1940, Columbia University. Committees: Editorial Reviewer, 1954-59. Professional Groups: Circuit Theory, vice-chairman, 1957-58.

DART, Harry F. (A'20—M'26—SM'43—F'59), Patent Engineer, Electronic Tube Division, Western Electric Corporation, P.O. Box 284, Elmira, N.Y.

Born: October 20, 1895, Forrest, Ill. E.E., 1917, Professional Degree of E.E., 1923, Purdue University. IRE Offices: Regional Director, 1951–52. Committees: Admissions, 1927–29; Broadcast, 1932–33; Editorial Administrative, 1949–50; Meetings and Papers, 1926; Membership, chairman, 1926–28, 1938–40; Nominations, 1933; Standardization, 1929–30; Symbols, 1945–51; Tellers, 1939, 1943; chairman, 1944. Special Committees: Professional Recognition, 1955–56, 1959. Professional Groups: Director, Electron Devices, 1951–55. Awards: Fellow, American Institute of Electrical Engineers, 1958.

DASHER, Benjamin J. (A'41—M'55—SM'57—F'59), Director, School of Electrical Engineering, Georgia Institute of Technology, 225 North Ave., Atlanta, Ga.

Born: December 1912, Macon, Ga. B.S.(E.E.), 1935, M.S.(E.E.), 1945, Georgia Institute of Technology; Sc.D.(E.E.), 1952, Massachusetts Institute of Technology. Committees: Editorial Reviewer, 1954-59. Professional Groups: Instrumentation Administrative Committee, 1958-. IRE Representative: Georgia Institute of Technology, 1943-57.

DAVENPORT, Wilbur B., Jr. (S'40—A'42—M'48—SM'54—F'58), Division Head, Lincoln Laboratory, Massachusetts Institute of Technology, P.O. Box 73, Lexington 73, Mass. Born: July 27, 1920, Philadelphia, Pa. B.S.(E.E.), 1941, Alabama

Polytechnic Institute; M.Sc. (E.E.), 1941, Alabama Polytechnic Institute; M.Sc. (E.E.), 1943, D.Sc., 1950, Massachusetts Institute of Technology. Committees: Editorial Reviewer, 1954-58; Information Theory and Modulation Systems, 1953-55. Professional Groups: Information Theory Administrative Committee, 1954-59, vice-chairman, 1956-57; chairman, 1957-58,

DAVIS, Harry I. (A'44—SM'49—F'55), Technical Director, Rome Air Development Center, Griffiss Air Force Base, 901 Turin St., Rome, N.Y.; Special Lecturer, Graduate Electrical Engineering, Columbia University, New York, N.Y.

Born: December, 1909, New York, N.Y. B.S., 1931, E.E., 1933, College of the City of New York; M.E.E., 1948, Polytechnic Institute of Brooklyn. Committees: Navigation Aids, 1950-55. Sections: Rome-Utica, chairman, 1954.

DAVIS, Thomas McL. (M'28—SM'43—F'56), Retired. 4302 Brandywine St., N.W., Washington 16, D.C.

Born: August 17, 1890, Farmington, Me. Committees: Registration and Arrangements, IRE National Convention, chairman, 1929; Standardization, 1929–31. Sections: Washington, acting secretary, 1928–29, vice-chairman, 1929–30, chairman, 1934–35. Awards: Distinguished Service Award of Washington Section, 1957; Navy Distinguished Civilian Service Award, 1957. RESA.

DAWSON, John W. (A'39—SM'52—F'55), Manager, Product Engineering, D. S. Kennedy & Company, Cohasset, Mass. Born: February 22, 1901, Sumner, Iowa. B.S.(E.E.), 1926, Iowa State College; M.S.(E.E.), 1938, University of Pittsburgh. Awards: National Prize for Best Paper in the Field of Engineering Practice for 1937, AIEE.

DEARDORFF, Ralph W. (A'14—SM'44—F'51), Retired. 1831 N.W. Ramsey Dr., Portland 10, Ore.

Born: August 9, 1894, Portland, Ore. Sections: Portland, chairman, 1942-43, vice-chairman, 1946-47.

deBETTENCOURT, Joseph T. (A'50—M'55—F'59), Vice President, Research and Development, D. S. Kennedy & Company, Cohasset, Mass.

Born: June 9, 1912, Washington, D.C. B.E.E., 1932, M.S. (Physics), 1934, Catholic University of America; Sc.M. (Communications), 1937; Sc.D. (Communications), 1949, Harvard University. Committees: Wave Propagation, 1956–59. Sections: Boston, Antenna and Propagation, chairman, 1956–57. Awards: U.S.A. Delegate, National Academy of Sciences, National Research Council, to XI General Assembly of U.R.S.I., 1954, The Hague; XII General Assembly at Boulder, 1957.

DeCOLA, Rinaldo E. (A'37-SM'43-F'57), 21 N. Lincoln Ave., Park Ridge, Ill.

Committees: Radio Receivers, 1951-54. Professional Groups: Broadcast and Television Receivers Administrative Committee, 1956-57.

de FOREST, Lee (Charter Member)(A'12—M'14—F'18)(L), 8190 Hollywood Blvd., Los Angeles 46, Calif.

Born: August 26, 1873, Council Bluffs, Iowa. Ph.B., 1896, Ph.D., 1899, Yale University; Sc.D., 1919, Syracuse University; D.Sc., 1926, Yale University; D.Eng., 1937, Lewis Institute; LL.D., Talladega College, Beloit College; D.Sc., College of Osteopathic Surgery, 1951. IRE Offices: President, 1930; Director, 1930–32. Committees: Specifications for Steamship Radio Equipment, 1914–15; Wave Length Regulations, 1916–17. Awards: President, Society of Wireless Telegraph Engineers, 1909–10; Legion of Honor, 1921, Officer, 1956; IRE Medal of Honor, 1922; Edison Medal, 1947.

DEL CAMP, Scipione M. (A'48—M'55—F'59), Director and Vice President of Research and Development, Cinch Manufacturing Corporation, Chicago, Ill.

Born: San Marco, Italy. M.E., 1912, Polytechnic Institute, Foggia, Italy. IRE Representative: EIA-08C Committee, chairman 1937-; IEC 40-4 Committee, chairman, 1955; Member, ASA-C83 Sectional Committee on Components; Member, International Electro-Technical Commission. Professional Groups: Engineering Management, chairman.

DELLINGER, John Howard (F'23)(L), Radio Consultant and Adviser, 3900 Connecticut Ave., Washington 8, D.C. Born: July 3, 1886, Cleveland, Ohio. A.B., 1908, George Washington, University: Ph.D., 1913, Princeton, University: Ph.D., 1913, Ph

ington University; Ph.D., 1913, Princeton University; D.Sc., 1932, George Washington University. IRE Offices: President, 1925; Vice President, 1924; Director, 1924–27; Manager, 1928–

- 31. Committees: Annual Review, 1938-43; Awards, 1934, 1936; Bibliography, 1930-32, 1934, chairman, 1931; Meetings and Papers, chairman, 1928; Nominations, 1928, 1931, 1935, chairman, 1931; Radio Receivers, 1927-28; Radio Wave Propagation, 1942-45, chairman, 1942-44; Revision of the Constitution, chairman, 1927; Standardization, 1920-25, 1927-32, chairman, 1929-31; Standards, 1932-41, 1943-44; Symbols, 1940-41, 1943-48; Use of the Transmission Unit, 1928-29; Wave Propagation, 1959; chairman, 1937-41, 1956-58. Sections: Washington, D.C., chairman, 1932-33. IRE Representative: American Documentation Institute, 1944-52; ASA Sectional Committee (C60) on Electric and Magnetic Magnitudes and Units, 1936, 1939-48, 1950; International Electrotechnical Commission, Scandinavia, 1930. Awards: IRE Medal of Honor, 1938; Distinguished Service Award of Washington Section, 1956.
- DELORAINE, Edmond M. (M'25-F'41), Vice President and Technical Director, International Standard Electric Corporation, 67 Broad St., New York 4, N.Y.; President, Le Materiel Telephonique: President, Laboratoire Central de Telecommunications, Paris, France.

Born: May 16, 1898, Clichy, Seine, France. B.S., 1920, Ecole de Physique et Chimie. Ingénieur-Docteur, University of Paris. IRE Offices: Vice President, 1946; Director, 1946. Committees: Board of Editors, 1944-45; Membership, 1927. IRE Representative: International Liaison Committee, 1947.

DEMPSTER, Burgess (A'31-M'44-SM'48-F'57), President Electronic Engineering Company of California, 1601 F. Chestnut Ave., Santa Ana, Calif.

Born: November, 1907, Berkeley, Calif. B.S.(E.E.), 1929, University of California. Sections: 7th Region, secretary-treasurer, 1956-57. Cincinnati, Membership Committee, chairman, 1948. Los Angeles, Research Committee, chairman, 1957-58; Los Angeles Section, vice-chairman, 1958-59; Los Angeles Section Awards Committee, 1958-59. Professional Groups: Los Angeles Chapter. chairman, Engineering Management, 1955-56. IRE Representative: Publicity Committee, IRE-WESCON, 1948; Visitors' Hospitality Committee. IRE-WESCON, chairman, 1950; Convention Registration Committee, IRE-WESCON, chairman, 1952, 1954; IRE-WESCON, chairman, 1958, Field Trips Committee.

DENNIS, James L. (SM'46-F'59), Consulting Engineer, 1420 Glendale Ave., Dayton 6, Ohio.

Born: July, 1915, Quincy, Ill. B.S.(E.E.), 1937, University of Illinois. Professional Groups: Aeronautical and Navigational Electronics Administrative Committee, secretary-treasurer, 1954-55, chairman, 1956; National Conference on Aeronautical Electronics, Board of Directors, 1955-57, chairman, 1955. Sections: Dayton, chairman, 1952. Awards: Department of the Air Force Exceptional Civilian Service Award, 1950.

deROSA, Louis A. (A'45-SM'51-F'52), Vice President, Electronic Countermeasures Laboratory, International Telephone and Telegraph Laboratories, a division of IT&T Corp., 500 Washington Ave., Nutley 10, N.J.

Born: September 10, 1910, Tenafly, N.J. B.S.(E.E.), 1932, Polytechnic Institute. Committees: Information Theory and Modulation Systems, 1951-59. Professional Groups: Information Theory, vice-chairman, 1954-55, chairman, 1955-56.

DEVORE, Lloyd T. (A'42-SM'44-F'52), Vice President and Director, Hoffman Science Center, 415 E. Montecito St., Santa Barbara, Calif.

Born: November 14, 1909, Monongahela, Pa. B.S., 1930, M.S., 1931, Ph.D., 1933, Pennsylvania State College. Committees: Awards, 1952-53; Papers Review, 1951-53; Program, chairman, 1948-49, 1952-53. Professional Groups: Engineering Management, secretary, 1951-54. Awards: Exceptional Civilian Service Award, 1947, War Department.

DeWITT, John H., Jr. (A'31-M'38-SM'43-F'51), President, WSM Incorporated, 301 7 Ave., N., Nashville 3, Tenn. Born: February 20, 1906, Nashville, Tenn. Committees: Professional Groups, 1948.

DIEHL, William F. (A'19-F'36), Assistant Vice President, Dumont Airplane and Marine Instruments, Inc., Clearfield, Pa. Born: December 18, 1896, New York, N.Y. Committees: Building Fund, 1945; Radio Receivers, 1928-29; Radio Transmitters and Antennas, 1929-30. Sections: Philadelphia, chairman, 1933-34, convention chairman, 1934. Awards: United States Navy Certificate Commendation P.E., Pa.

DIETZOLD, Robert L. (M'40—SM'43—F'55), Director, Military Systems Studies, Bell Telephone Laboratories, Inc., Whippany, N.J.

Born: August 3, 1904, Akron, Ohio. B.S., 1925, Massachusetts Institute of Technology; Ph.B., 1927, Yale University. Committees: Administrative Committee of the Board of Editors, 1951-53; Board of Editors, 1951-53; Circuits, 1949-53; Circuit Theory, chairman, 1952-53; Editorial Administrative, alternate, 1949-50; Handbook, 1945-47; Papers Review, 1948-49.

DINGER, Harold E. (A'27-M'43-SM'43-F'58), Electronics Scientist, Naval Research Laboratory, Washington 25, D.C. Born: May 7, 1905, Barberton, Ohio. Committees: Interference Measurements, 1959; Measurements and Instrumentation, 1952-53; Radio Frequency Interference, 1955-59; Wave Propagation, 1953-56. Awards: Meritorious Civilian Service Award, U. S. Navy, 1945; Service Appreciation Award, American Standards Association, 1946; Fellow, American Association for the Advancement of Science.

DINGLEY, Edward N., Jr. (A'28-M'43-SM'43-F'56), Senior Staff Engineer, Electronic Communications, Inc., 1501 72nd

St., N., St. Petersburg 10, Fla.

Born: July 18, 1902, Kalamazoo, Mich. 1922-25, Massachusetts Institute of Technology; B.Sc.(E.E.), 1936, George Washington University. Professional Groups: Communications Systems, Administrative Committee, vice-chairman, 1957-58, chairman, 1958-59; Chapter Activities Sub-Committee, chairman, 1956-57; Washington Chapter PGCS, vice-chairman, 1955-56, chairman, 1956-57, secretary, 1954-55; Technical Papers Committee, PGCS National Symposium on Global Communications, Washington, vice-chairman, 1954; PGCS 2nd National Symposium on Communications Systems, St. Petersburg, Fla., general-chairman, 1959. Sections: Florida West Coast; Professional Groups Committee, chairman, 1957-58. Awards: Fellow, AIEF, 1957; Department of Defense Distinguished Civilian Service Medal, 1955.

DISHAL, Milton (A'41-SM'46-F'57), Senior Scientist, International Telephone and Telegraph Laboratories, 500 Washington Ave., Nutley 10, N.J.

Born: March, 1918, Philadelphia, Pa. B.S., 1939, M.A. (Physics), 1941, Temple University. Committees: Convention Record, 1955-56; Editorial Reviewer, 1953-59. Professional Groups: Circuit Theory, secretary-treasurer, 1953-56; Administrative, 1954-57.

DiTORO, Michael J. (A'37-SM'45-F'58), Director of Engineering, Polytechnic Research and Development Company, Inc., Brooklyn, N.Y.

Born: June 24, 1910, Campobasso, Italy. E.E., 1931, M.E.E., 1933, D.E.E., 1946, Polytechnic Institute of Brooklyn. Committees: Electroacoustics, 1946, 1951-52; Papers Review, 1945-53. Professional Groups: Administrative Committee Information Theory, chairman, 1956. Awards: Fellow, Acoustical Society of America.

DOHERTY, William H. (A'29-M'36-SM'43-F'44), Manager, Government Sales, Western Electric Company, 120 Broadway. New York 5, N.Y.

Born: August 21, 1907, Cambridge, Mass. S.B., 1927, S.M., 1928, Harvard University; Sc.D., 1950, Catholic University of America. IRE Offices: Director, 1951-53, 1958-60. Committees: Appointments, 1957; Editorial Reviewer, 1954-55; Membership, 1943-46; Nominations, 1952-53, chairman, 1953; Policy Advisory, 1952-53, 1959; Policy Development, 1951; Professional Groups, 1948-51. IRE Representative: Joint AIEE-IRE Student Activities Coordination Committee, 1958-59. Awards: IRE Morris Liebmann Memorial Prize, 1937.

DOME, Robert B. (A'27—M'38—SM'43—F'48), Consulting Engineer, Television Receiver Department, Major Appliance Division, Consumer Products Group, General Electric Company, Syracuse, N.Y.

Born: October 12, 1905, Tell City, Ind. B.S.(E.E.), 1926, Purdue University; M.S.(E.E.), 1929, Union University. Committees: Board of Editors, 1946-53; Editorial Reviewer, 1954-59; Papers, 1940-45. Awards: Coffin Award, 1936, 1948; IRE Morris Liebmann Memorial Prize, 1951; RESA, 1951.

DOOLITTLE, Franklin M. (A'13—M'30—F'54)(L), President, Connecticut Broadcasting Company. 869 Blue Hills Ave., Hartford 12, Conn.

Born: June, 1893, New Haven, Conn. Ph.B., 1915, Yale University. Committees: Modulation Systems, 1947–48; Standardization, 1927–28.

DORSEY, Herbert Grove (M'19—F'34)(L), Retired, 3708 33 Pl., N.W., Washington 8, D.C.

Born: April 24, 1876, Kirkersville, Ohio. B.S., 1897, M.S., 1898, Sc.D. (Honorary), 1937, Denison University; Ph.D., 1908, Cornell University. Sections: Washington, D.C., secretary, 1930–32, chairman, 1933. Awards: First Annual Award, Washington Society of Engineers, 1941; Fellow, Acoustical Society of America; AIEE; Fellow, American Association for the Advancement of Science.

DOW, Jennings B. (M'26—F'42), President, Hazeltine Electronics Division of Hazeltine Corporation, 58-25 Little Neck Parkway, Little Neck, L.I., N.Y.

Born: January 2, 1897, Bowling Green, Ohio. B.S., 1919, United States Naval Academy; M.S. 1926, Graduate School of Engineering, Harvard University.

DOW, William G. (M'39-SM'43-F'50), Professor and Chairman of the Department of Electrical Engineering, University of Michigan, Ann Arbor, Mich.

Born: September 30, 1895, Faribault, Minn. B.S. (E.E.), 1916, E.E., 1917, University of Minnesota; M.S.E. (E.E.), 1929, University of Michigan. Committees: Board of Editors, 1944-53; Electronics, 1939-45; Electron Tubes, 1946-47; Electron Tubes and Solid State Devices, 1949-52; Papers, 1941-44; Research, 1949-50; Vacuum Tubes, 1945-46. Awards: Fellow, American Institute of Electrical Engineers.

DRAKE, Frederick H. (A'25-M'28-SM'43-F'57), Inventor, Squire Rd., Roxbury, Conn.

Born: June, 1901, Watertown, Mass. A.B., 1923, A.M., 1925, Ph.D., 1926, Harvard University. Committees: Papers, 1933.

DRAPER, Charles S. (A'53—F'55), Professor and Head, Department of Aeronautics and Astronautics; Director of Instrumentation Laboratory, Massachusetts Institute of Technology, 68 Albany St., Cambridge 39, Mass.

Born: October 2, 1901, Windsor, Mo. B.A., 1922, Stanford University; B.S., 1926, M.S., 1928, Sc.D., 1938, Massachusetts Institute of Technology. Committees: Electronics Computers, 1948-49. Awards: IAS Sylvanus Albert Reed Award, 1946; Presidential Medal for Merit, 1946; Naval Ordnance Development, 1946; New England Award, Engineering Societies of New England, 1947; Exceptional Civilian Service Award, Department of the Air Force, 1951; Testimonial of Appreciation, Society of Mechanical Engineers, 1951; 43rd Wilbur Wright Memorial Lecturer, Royal Aeronautical Society, London, 1955; Navy Distinguished Public Service Award, 1956; Airpower Award of Massachusetts Wing of Air Force Association, 1957; Thurlow Award of Institute of Navigation, 1957; Airpower Trophy of Air Force Association, 1957; Holley Medal of American Society of Mechanical Engineers, 1957; Blandy Medal of the American Ordnance Association, 1958; American Honorary Fellowship, Institute of the Aeronautical Sciences, 1958.

DREHER, Carl (F'57), Writer, RD 3, Brewster, N.Y. Born: February 16, 1896, Vienna, Austria. B.S., 1917, College of the City of New York. Committees: Board of Editors, 1928-29;

Broadcasting, 1928-29; Meetings and Papers, 1926-29, Standardization, 1929-30.

DUBILIER, William (A'14—M'18—F'29)(L), Vice President and Technical Director, Cornell-Dubilier Electric Corporation; President, Radio Patents Corporation, P.O. Box 942, New Rochelle, N.Y.

Born: July 25, 1888, New York, N.Y. Attended Cooper Institute. Awards: Fellow, American Institute of Electrical Engineers, 1925; French Legion of Honor and Officer of the French Academy, 1949; Gano Dunn Medal, Cooper Union, New York, N.Y., 1955.

DUFFENDACK, Ora S. (SM'44-F'56), Consultant Physicist, Retired, 4110 Council Crest, Madison, Wis.

Born: May, 1890, Napoleon, Mo. B.S., 1917, University of Chicago; A.M., 1921, Ph.D., 1922, Princeton University. Committees: Papers Review, 1946-53. Awards: King's Medal for Service in the Cause of Freedom, 1948; President's Certificate of Merit, 1948.

DuMONT, Allen B. (M'30—F'31), Chairman of the Board, Allen B. DuMont Laboratories, Inc., 750 Bloomfield Ave., Clifton, N.J.

Born: January 29, 1901, Brooklyn, N.Y., E.E., 1924, D.Eng., 1944, Rensselaer Polytechnic Institute; D.Eng., Brooklyn Polytechnic Institute, 1949; D.Laws, Fairleigh Dickinson University, 1955; D.Science, New York University, 1955. Committees: Standardization, 1929–31; Standards, 1932; Television, 1939–45. Awards: Westinghouse Award, 1927; American Television Society Award, 1943; Television Broadcasters Award, 1944; Marconi Memorial Medal of Achievement, 1945; AAAA Gold Medal Award, 1947; American Schools and Colleges Awards; Chevalier in National Order of French Legion of Honor, 1952.

DUNN, William L. (M'41—S'43—F'54), Vice President, Director of Engineering and Research, Admiral Corporation, 3800 W. Cortland St., Chicago 47, Ill.

Born: December 19, 1903, Asheville, N.C. A.B., 1926, The Johns Hopkins University. Committees: Radio Receivers, 1940-47.

DUNNING, Orville M. (A'34—SM'44—F'55), Vice President, Engineering and Production Division, Airborne Instruments Laboratory, 160 Old Country Rd., Mineola, L.I., N.Y. Born: February 21, 1904, St. Louis, Mo. B.S. (E.E.), 1925, Rose Polytechnic Institute. Committees: Admissions, 1946–47. Sections: Long Island Subsection, chairman, 1949–50.

DYER, John N. (J'30—A'32—SM'45—F'49), Vice President, Research and Engineering, Airborne Instruments Laboratory, 160 Old Country Rd., Mineola, L.I., N.Y.

Born: July, 1910, Haverhill, Mass. B.S., 1931, Massachusetts Institute of Technology. IRE Offices: Director, 1955-56. Committees: American Institute of Electrical Engineers—Institute of Radio Engineers Coordination Committee on Student Activities, 1955-56; Appointments, 1955-56; Education, 1955-59; Fellow, 1958, chairman, 1959; Navigation Aids, 1949-50; Nominations, 1956; Policy Advisory, 1955-57, chairman, 1956. Sections: Long Island Subsection, vice-chairman, 1949-50, chairman, 1950-51.

EARLY, James M. (A'48—SM'54—F'59), Transistor Development Engineer, Sub-Department Head, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: July, 1922, Syracuse, N.Y. B.Sc. (Pulp & Paper Manufacturing), New York State College of Forestry; M.Sc. (E.E.), Ph.D. (E.E.), 1951, Ohio State University. Committees: Semiconductor Devices, chairman, 1957-59; Solid State Devices, 1956-50

EASTHAM, Melville (A'13—M'13—F'25)(L), 8 Graygardens, E., Cambridge, Mass.

Born: June 26, 1885, Oregon City, Ore. Dr.Eng., 1946 (Honorary), Oregon State College. IRE Offices: Treasurer, 1928-40; Manager, 1922-27; Director, 1927-41; Administrator, Building Fund, 1947-48. Committees: Admissions, 1937-39, 1941-42;

Awards, 1929, 1931, 1935, 1939, 1941-42, chairman, 1929, 1941; Bibliography, 1930-32, 1934, chairman, 1932, 1934; Constitution and Laws, 1930-31, 1933; Education, 1944-48; Electro-Acoustic Devices, 1929-30; History, 1954-57, 1959; Nominations, 1929-30, 1932, 1935–36, 1938–39, 1941, 1949–50, chairman, 1929, 1935, Papers, 1916-19; Revision of the Constitution, 1925; Sections, 1925; Standardization, 1925-31; Standards, 1936-38; Wave Length Regulation, 1916-17. Sections: Boston, secretary, 1914-15, secretary-treasurer, 1916-29, secretary, 1930-32. IRE Representative: Engineering Index National Committee, 1936, 1939-43; Radio Broadcasting Committee, American Engineering Council, 1930, 1936, 1939, 1940; United States National Committee, Advisers on Electrical Measuring Instruments, 1936, 1939-40, 1949-51. Awards: IRE Medal of Honor, 1937; Medal of Merit, 1948; New England Engineering Award, 1948.

EASTMAN, Austin V. (A'23-M'32-F'41), Professor and Head of Department of Electrical Engineering, University of Washington, Seattle 5, Wash.

Born: May 16, 1902, Seattle, Wash. B.S.(E.E.), 1922, M.S. (E.E.), 1929, University of Washington. IRE Offices: Director, 1950-51. Committees: Awards, 1951; Membership, 1941-48; Nominations, 1954; Papers Procurement, 1942-43; Policy Development, 1949-51; Regular Papers, 1941. Sections: Seattle, chairman, 1929-30. IRE Representative: University of Washington, 1941-47. Awards: Fellow, American Institute of Electrical Engineers, 1946.

ECKERSLEY, Peter Pendleton (F'25), Telephone Manufacturing Co., Ltd., West Dalwich, S.E. 21, London, England. Born: January, 1892, La Puebla, Mexico. Certificate of Technology, 1915, Manchester School of Technology; Higher Certificate, 1910, Bedales School. IRE Offices: Vice President, 1937; Director, 1937. Awards: Premium Prize Award, Institution of Electrical Engineers, 1928, 1930.

ECKERT, John Presper (S'41-A'47-F'56), Vice President. Univac Engineering, Remington Rand, Inc., Remington Rand Univac, Division of Sperry Rand Corporation, 2300 W. Allegheny Ave., Philadelphia 29, Pa.

Born: April 9, 1919, Philadelphia, Pa. B.S.(E.E.), 1941, M.S. (E.E.), 1943, University of Pennsylvania. Committees: Electronic Computers, 1948-50. Awards: Howard W. Potts Medal, Franklin Institute, 1949.

EDGERTON, Harold E. (SM'55-F'56), Professor of Electrical Measurements, Massachusetts Institute of Technology, Cambridge 39, Mass.

Born: April 6, 1903, Fremont, Neb. B.S., 1925, University of Nebraska; M.S., 1927, D.Sc., 1931, Massachusetts Institute of Technology. Awards: Modern Pioneers Award, National Association of Manufacturers, 1940; Joseph A. Sprague Memorial Award, National Press Photographic Association, 1949; Franklin L. Burr Prize, National Geographic Society, 1953.

EDLEFSEN, Niels E. (SM'52-F'54), Vice President and Director of Engineering, Vickers, Inc., Division of Sperry Rand Corporation, Administrative and Engineering Center, Detroit 32. Mich.

Born: January 29, 1893. B.S. (physics), 1916, Utah State University; M.A. (physics), 1923, Ph.D. (physics), 1930, University of California. Awards: Fellow, American Physical Society; Fellowship Charles A. Coffin, 1928-30; Honorable Mention, Nobel Prize, Physics, 1939.

EDSON, William A. (M'41-SM'43-F'57), Consulting Engineer, General Electric Microwave Laboratory, 601 California Ave., Palo Alto, Calif.

Born: October, 1912, Burchard, Neb. B.S. and M.S., 1934-35, University of Kansas; Sc.D., 1937. Harvard University. Committees: Editorial Reviewer, 1953-59; Education, 1955-59; Papers, 1951-53; Piezoelectricity, 1949-58; Piezoelectric and Ferroelectric Crystals, 1959. Sections: Atlanta, vice-chairman, 1947, chairman, 1948; San Francisco, director, 1955. IRE Representative: WESCON, Technical Program Committee, 1955;

Microwave Theory and Techniques National Symposium, Steering Committee; Member, WESCON, Technical Program Committee, 1959.

EDWARDS, Martin (SM'48-F'54), Manager of Engineering, X-Ray Department, General Electric Company, 4855 Electric Ave., Milwaukee 14, Wis.

Born: March 22, 1905, Chautauqua, Kan. B.S.(E.E.), 1928, B.S.(M.E.), 1929, M.E., 1934, D.Sc., 1946, Kansas State College. Awards: Fellow, AIEE, 1946.

EITEL, William W. (A'39-SM'52-F'53), President, Eitel-Mc-Cullough, Inc., 798 San Mateo Ave., San Bruno, Calif. Born: January 16, 1908, San Jose, Calif. Awards: Distinguished Service Award, U. S. Navy, 1950.

ELIAS, Peter (S'48-A'51-M'56-F'59), Associate Professor of Electrical Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass.

Born: November 26, 1923, New Brunswick, N.J. S.B., 1944, Massachusetts Institute of Technology; M.A., 1948, M.(Eng. Sci., 1949, Ph.D., 1950, Harvard University. Committees: Information Theory and Modulation Systems, 1953-56, vice-chairman, 1957-58; chairman, 1958-59; Standards, 1958-59. Professional Groups: Information Theory Symposium, chairman, 1954; Member, Information Theory Administrative Committee, 1958-59.

ELLEFSON, Bennett S. (A'38-M'44-F'48), Vice President, Engineering and Research, Sylvania Electric Products, Inc., 1740 Broadway, New York 19, N.Y.

Born: January 10, 1911, Canby, Minn. B.A., 1932, St. Olaf College; M.S., 1933, University of Minnesota; Ph.D., 1937, Pennsylvania State University. Committees: Annual Review, 1946-47.

ELLIOTT, Harold F. (M'25-SM'43-F'51), Consulting Engineer, 800 Westridge Dr., Menlo Park, Calif. Born: June 17, 1892, Durango, Colo. A.B., 1916; Engineer, 1925,

Stanford University.

ELWELL, Cyril F. (M'14-F'18)(L), Consulting Engineer, Hewlett-Packard Company, 275 Page Mill Rd., Palo Alto,

Born: August 20, 1884, of American Parents, Melbourne, Victoria, Australia. A.B., 1907, E.E., 1908, Stanford University. Committees: Increase of Membership, 1913-14. Awards: Honorary Life Member of the Institution of Radio Engineers, Australia, 1954.

ENGLEMAN, Christian L. (SM'46-F'54), President, Engleman and Company, Inc., 2480 16 St., N.W., Washington 9, D.C. Born: April 3, 1906, Vancouver Clark County. Wash. B.S., 1930, United States Naval Academy College; M.S., 1938, Harvard University. Committees: Professional Groups, 1958-59. Professional Groups: Communications Systems National Committee, 1954-57, vice-chairman, 1956; Military Electronics National Committee, 1956-59, national chairman, 1956, treasurer, 1958. Sections: Washington Chapter, chairman, 1954.

ENGSTROM, Elmer W. (A'25-M'38-F'40), Senior Executive Vice President and Director, Radio Corporation of America, 30 Rockefeller Plaza, New York 20, N.Y.; Director, National Broadcasting Company.

Born: August 25, 1901, Minneapolis, Minn. B.S.(E.E.), 1923, University of Minnesota; Sc.D. (Honorary), 1949, New York University. IRE Offices: Director, 1949. Committees: Awards. 1945-49, chairman, 1946; Board of Editors, 1940-51; Nominations, 1947; Public Relations, 1940; Regular Papers, 1941; Research, 1946-47, 1949-50; Television, 1939-40; Television and Facsimile, 1936-38.

ENGSTROM, Howard T. (SM'53-F'59), Vice President, Remington Rand, Division of Sperry Rand Corporation, 315 Fourth Ave., New York 10, N.Y.

Born: April 23, 1902, Boston, Mass. B.Ch.E., 1922, Northeastern

University; M., 1925, University of Maine; Ph.D., 1929, Yale University. Awards: Distinguished Service Medal, U. S. Navy; Officer of the British Empire; Naval Security Medal; Distinguished Civilian Service Award.

EPPERSON, Joseph B. (A'34—M'38—SM'43—F'58), Engineering Vice President, Scripps-Howard Radio, Inc., Euclid Ave. & E. 30 St., Cleveland 15. Ohio.

Born: May, 1910, Charleston, Tenn. Committees: Constitution and Laws, 1951; Sections, 1951–52. Sections: Cleveland, secretary-treasurer, 1948–49, vice-chairman, 1949–50, chairman, 1950–51. Professional Groups: Administrative Committee, Broadcast Transmission Systems, 1951–55; Annual Symposium, chairman, 1954. Awards: Award Certificate for Service as Chairman of National AIEE Committee on TV and Aural Broadcasting Systems, 1955–56; Fellow, American Institute of Electrical Engineers, 1958.

EPSTEIN, David W. (A'34—SM'43—F'52), Manager, Conversion Tube Operations, RCA Electron Tube Division, Radio Corporation of America. Lancaster. Pa.

Corporation of America, Lancaster, Pa.
Born: January 11, 1908, Russia. B.S. (Physics), 1930, Lehigh University; M.S.(E.E.), 1934; D.Sc.(E.E.), 1937, University of Pennsylvania. Committees: Editorial Reviewer, 1954-59.

ESPENSCHIED, Lloyd (IRE Charter Member) (A'12—M'13—F'24)(L), Retired from Bell Telephone Laboratories, Inc., Consultant, 99 82 Road, Kew Gardens 15, N.Y.

Born: April 27, 1889, St. Louis, Mo. Pratt Institute, 1909, D.Sc. (Honorary), 1957. IRE Offices: Manager, 1912–13, 1915–26, 1931. Committees: Admissions, 1942–47; Awards, 1919; Editing, 1914; History, 1954–59; Increase of Membership, 1917–18; Radio Telephone and Receiver Terminology, chairman, 1924–25; Revision of the Constitution, 1925; Standardization, 1924–25; Wave Length Regulation, 1916–17, 1919–20. Sections: New York, chairman, 1944–45. IRE Representative: National Advisory Council on Radio in Education, 1936–37, 1939–40; Committee on Engineering Developments, 1941–43. Awards: AIEE Award (co-receiver), 1935; IRE Medal of Honor, 1940; Medal Award, Television Broadcasters Association. 1944; Radio Pioneers, Citation, 1954.

ESPERSEN, George A. (A'34—VA'39—SM'51—F'56), Research Physicist, Philips Laboratories, Irvington-on-Hudson, N.Y.

Born: May 17, 1906, Jersey City. N.J. B.S. (Physics), 1931, New York University. Committees: Electron Devices, 1952–56; Electron Tubes, 1955–56, vice-chairman, 1956–57, chairman, 1957–59: Electron Tubes & Solid State Devices, 1951–52; Professional Groups, 1956; Standards, 1959. Professional Groups: Electron Devices, vice-chairman, 1956–57, chairman, 1957–59. IRE Representative: ASA Sectional Committee (C60) on Standardization on Electron Tubes, 1959; ASA Subcommittee (C42.14) on Electron Tubes, 1959. Awards: Samuel F. B. Morse Medal for Excellence in Physics, New York University, 1929; Mrs. Andrew Carnegie Scholarship, 1930.

ESPLEY, Dennis C. (SM'52—F'54), Chief Executive, Computer Developments, Ltd., Computer House, 390-394 Kenton Rd., Kenton, Middlesex, England.

Born: September 19, 1906, Wellington, Shropshire, England. B.Eng. (1st Class Honors), 1928; D.Eng., 1940, Liverpool University. Awards: Ambrose Fleming; Duddell; John Hopkinson; Officer of the Order of the British Empire, 1950.

EVANS, Porter H. (M'23—F'31), Retired from Technical Staff, Bell Telephone Laboratories, Inc., Whippany, N.J. Born: January 11, 1891, Erie, Pa. B.S.(E.E.), 1914, M.S., 1920, University of Michigan. Committees: Standardization, 1930-31.

EVERITT, William L. (A'25—M'29—F'38), Dean of the College of Engineering, University of Illinois, Urbana, Ill. Born: April 14, 1900, Baltimore, Md. E.E., 1922, Cornell University; M.S., 1926, University of Michigan; Ph.D., 1933, Ohio State University. IRE Offices: President, 1945; Director, 1942—47, 1949—51. Committees: Awards, 1943—44, 1948—49, chairman, 1944;

Awards Coordination, chairman, 1955; Board of Editors, 1941–53; Circuits, 1944–51; Editorial Reviewer, 1954–59; Education, 1944, 1950, chairman, 1944; Executive, chairman, 1945; Frequency Modulation, 1941–45; Investments, 1945; Membership, 1942–43; Nominations, 1942, 1946, 1948–50, 1952, chairman, 1948, 1952; Papers, 1941; Papers Procurement, vice-chairman, 1943–45; Policy Development, 1948, 1950–51; Professional Groups, 1948–53, chairman, 1949; Public Relations, 1950–51; Regular Papers, vice-chairman, 1941; Research, 1946–47. IRE Representative: Ohio State University, 1941–42; Joint IRE-AIEE Co-ordination Committee, 1951; Committee on Evaluation of Bureau of Standards, 1953; Ad Hoc Committee on Coordination of Student Branches, 1954; Advisory Committee to National Bureau of Standards, 1954–58.

EWING, Douglas H. (SM'46—F'54), Vice President, Research and Engineering, Radio *Corporation of America, Princeton, N.J.

Born: June 24, 1915, Mitchell, Ind. A.B., 1935, Butler University; M.S., 1937, Ph.D., 1939, University of Rochester; D.Sc. (Honorary), 1955, Butler University. Committees: Education, 1953-55; Navigation Aids, 1948-49.

FANO, Robert M. (S'41—A'45—SM'48—F'54), Professor of Electrical Communications, Department of Electrical Engineering and Research Laboratory of Electronics, Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge 39, Mass.

Born: November 11, 1917, Torino, Italy. S.B., 1941, Sc.D., 1947, Massachusetts Institute of Technology. Committees: Antennas, 1949–50; Awards, 1956–57; Editorial Reviewer. 1954–59; Education, 1949–56; Papers Review, 1953. Professional Groups: Administrative Committee, Information Theory, 1951–58. Editorial Advisory Board of Transactions of the PGIT, chairman. Awards: Fellow, American Academy of Arts & Sciences.

FARNSWORTH, Philo T. (A'28—M'34—F'39), Technical Consultant, International Telephone & Telegraph Laboratories, 3700 E. Pontiac St., Fort Wayne, Ind.

Born: August 19, 1906, Beaver, Utah. D.Sc. (Honorary), 1951, Indiana Technical College. Committees: Television, 1940-41; Television and Facsimile, 1936-40. Awards: Honorable Mention Citation for Outstanding Young Electrical Engineers, Eta Kappa Nu, 1937; Distinguished Alumni Award, Brigham Young University, 1937; Durward Howes' list of ten most distinguished young men for "America's Young Men," 1940; Fellow, Society of Motion Picture and Television Engineers, American Association for the Advancement of Science; IRE Morris Liebmann Memorial Prize, 1941; First Award by Television Broadcasters Association, 1944.

FARRAND, Clair L. (A'14—M'23—F'31), President, Farrand Optical Company; President, Farrand Controls, Inc.; President, Inductosyn Corporation, Bronx Blvd. & E. 238 St., New York 70, N.Y.

Born: October 22, 1895, Newark, N.J.

FARRELL, John J. (A'43—SM'47—F'48), General Manager, Heavy Military Electronics Department, Defense Electronics Division, General Electric Company, Syracuse, N.Y. Born: March, 1897, Watervliet, N.Y. Committees: Nominations, 1947. IRE Representative: ASA Sectional Committee (C16) on Radio, 1949–51; RMA-IRE Coordination, 1945–47.

FAULKNER, Harry (M'24—SM'43—F'53), Director, Telecommunications Engineering & Manufacturing Association, 40 Norfolk St., London, W.C. 2, England.

Born: April 17, 1892. Nottingham, England. B.Sc. (Eng.), London, 1911. Awards: Special Premium, IEE, 1927; Companion of the Order of St. Michael and St. George.

FAY, Clifford E. (A'26—SM'45—F'56), Member, Technical Staff, Bell Telephone Laboratories, Inc., Murray Hill, N.J. Born: December 2, 1903, St. Louis, Mo. B.S. (E.E.), 1925, M.S. (E.E.) (Physics), 1927, Washington University, Committees:

Electron Devices, 1952-53; Electron Tubes and Solid State Devices, 1949-52. Professional Groups: Electron Devices, treasurer, 1954-55. IRE Representative: ASA Sectional Committee (C60) on Standardization of Electron Tubes, 1949-55.

FELCH, Edwin P. (A'32-M'42-SM'43-F'54), Director of Military Systems Development, Bell Telephone Laboratories, Inc., Whippany, N.J.

Born: January, 1909, Madison, N.J., A.B., Physics, 1929, Dartmouth College. Committees: Awards, 1959.

FERRELL, Enoch B. (A'25—M'29—SM'43—F'53), Director, Communications Techniques Research, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: June 1, 1898, Sedan, Kan. B.A., 1920, B.S. (E.E.), 1921, M.A., 1924, University of Oklahoma. Committees: Awards, 1955-57, chairman, 1956; Awards Coordination, chairman, 1958; Papers, 1933-45. Awards: Fellow, American Society for Quality Control, 1948.

FERRIS, Warren R. (SM'46—F'53), Professor of Electrical Engineering, University of South Carolina, Columbia, S.C. Born: May 14, 1904, Terre Haute, Ind. B.S.(E.E.), 1927, Rose Polytechnic Institute; M.S.(E.E.), 1932, Union College; Dr. E.E., 1946, Polytechnic Institute of Brooklyn. Committees: Electron Devices, 1952–56; Standardization, 1929–32; Standards, 1932–33.

FETT, Gilbert H. (SM'45—F'58), Professor of Electrical Engineering, University of Illinois, Urbana, Ill.

Born: June 19, 1909, Chicago, Ill. B.Sc. (E.E.), 1931, University of Illinois; M.Sc., 1932, Iowa State College; Ph.D., 1940, University of Illinois, M.Sc., 1932, Iowa State College; Ph.D., 1940, University of Illinois, Committees, Education, Fellow, 1950

versity of Illinois. Committees: Education; Fellow, 1959.

Awards: Fellow, American Physical Society, 1950.

FICK, Clifford G. (A'25—SM'46—F'51), Manager, Research Liaison Section, Research Application Department, Research Laboratory, General Electric Company, Schenectady, N.Y. Born: December 13, 1904, Ida Grove, Iowa. B.Sc.(E.E.), 1925, Iowa State College. Committees: Annual Review, 1949–50; Television Systems, 1948–59.

FIELD, George S. (A'30—VA'39—SM'48—F'57), Chief Scientist, Defense Research Board, Department of National Defense, "A" Building, Elgin St., Ottawa, Ont., Canada.

Born: October 23, 1905, Wimbledon, Middlesex, England. B.Sc., 1929, M.Sc., 1930, D.Sc., 1937, University of Alberta. Awards: Fellow, Acoustical Society of America, 1943; Fellow, Royal Society of Canada, 1944; Member of the British Empire, 1946.

FIELD, Lester M. (M'48-F'52), Associate Director, Hughes

Research Laboratories, Culver City, Calif.
Born: February 9, 1918, Chicago, Ill. B.S., 1939, Purdue University; Ph.D., 1941, Stanford University. Committees: Editorial Reviewer, 1954-58; Papers Review, 1950-53. Professional Groups: Electron Devices Administrative Committee, 1957. IRE Representative: California Institute of Technology, 1954-55. Awards: Honorable Mention, Outstanding Young Electrical Engineer, 1949, Eta Kappa Nu.

FIELD, Robert F. (A'18-M'30-SM'43-F'47) (L), Retired. 104 Church St., Watertown 72, Mass.

Born: July 10, 1885, Tuftonboro, N.H. A.B., 1906, A.M., 1907, Brown University; A.M., 1916, Harvard University. Committees: Meetings and Papers, 1930. Sections: Boston, chairman, 1942-44. Awards: Award of Merit, American Society for Testing Materials, 1954.

FINCH, William G. H. (J'16—A'18—M'25—SM'43—F'56), Capt., U.S.N.R., Retired. P.O. Box 44, Newtown, Conn.

Born: June 28, 1895, Birmingham, England. Committees: Annual Review, 1939-40; Board of Editors, 1945-53; Constitution and Laws, 1928-31; Facsimile, 1939-43, 1949-50, chairman, 1939-40; Meetings and Papers, 1927-28; Membership, 1926-27; Publicity,

1926-34, chairman, 1926-30; Standards, 1939-40. Awards: Legion of Merit, U. S. Navy, 1946.

FINK, Donald G. (A'35-SM'45-F'47), Director of Research, Philco Corporation, Tioga & C Sts., Philadelphia 34, Pa. Born: November 8, 1911, Englewood, N.J. B.Sc., 1933, Massachusetts Institute of Technology; M.S., 1942, Columbia University. IRE Offices: President, 1958, Director, 1949-51, 1956-59; Editor, 1956-57. Committees: Annual Review, 1946-49; Appointments, 1948-49, 1957; Awards, 1947; Board of Editors, 1946-53; Editorial Board, vice-chairman, 1954-55; chairman, 1956-57; Executive, 1956-59, chairman, 1958; Finance, 1959; Handbook, 1945-47; Membership, 1942-48, chairman, 1946; Navigation Aids, 1946-51, chairman, 1946-48; Nominations, 1959; Papers, 1943-45; Policy Advisory, 1959; Preparedness, 1940-41; Professional Groups, 1956-57; Public Relations, 1940-42; Research, 1946-47; Standards, 1946-49, 1959; Television, 1946-48, chairman, 1948-49; Television Systems, 1949-59; Tellers, 1949. IRE Representative: ASA Sectional Committee (C16) on Radio, 1959; Joint Technical Advisory, 1948-53, 1956-57, vice-chairman, 1948, chairman, 1949. Awards: Medal of Freedom, War Department, 1946; Presidential Certificate of Merit, 1948; Fall Meeting Plaque, 1951; Journal Award, Society of Motion Picture and Television Engineers, 1955.

FINK, Lyman R. (SM'48—F'53), General Manager, Atomic Products Division, General Electric Company, 1 River Rd., Schenectady, N.Y.

Born: November, 1912, Elk Point, S.D. B.S. (E.E.), 1933, M.S. (E.E.), 1934-35, Ph.D. (E.E.), 1937, University of California. Committees: Awards, 1955-57, chairman, 1957; Sections, 1950-51. Sections: Syracuse, vice-chairman, 1949-50, chairman, 1950-51. Professional Groups: Administrative Committee, Broadcast and Television Receivers, 1954-59, vice-chairman, 1955, chairman, 1956-58.

FISK, Sir Ernest T. (M'15—F'26)(L), Consultant, Electronics Telecommunications, also Finance and Production, P.O. Box 9, Roseville, N.S.W., Australia.

Born: August 8, 1886, Sunbury-on-Thames, Middlesex, England. IRE Offices: Vice President, 1938; Director, 1938. Awards: Fellow, IRE, Australia; President, 1932-37, 1939-43; Honorary Member, Institution of Electrical Engineers, London; Honorary Member, British Institution of Radio Engineers; Silver Medalist, Royal Society of Arts (London); Honorary Member, Institution of Radio Engineers, Australia; Chartered Engineer, Australia.

FISK, James B. (SM'52—F'55), President, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: August 30, 1910, West Warwick, R.I. B.S., 1931, Ph.D., 1935, Massachusetts Institute of Technology; M.A. (Honorary), 1947, Harvard University; Sc.D. (Honorary), 1956, Carnegie Institute of Technology; Sc.D. (Honorary), 1958, Williams College. Awards: Fellow, American Physical Society; National Academy of Sciences; Presidential Certificate of Merit.

FLORY, Leslie E. (A'35—SM'46—F'57), Research Engineer, RCA Laboratories, Princeton, N.J.

Born: March 17, 1907, Sawyer, Kan. B.S. (E.E.), 1930, University of Kansas. **Professional Groups:** Administrative Committee, Medical Electronics, 1955-59. **Awards:** Overseas Award, British Institute of Electrical Engineers, 1938; RCA Laboratories Award, 1949, 1950, 1958.

FORRESTER, Jay W. (SM'49—F'55), Professor of Industrial Management, Massachusetts Institute of Technology, Cambridge, Mass.

Born: July 14, 1918, Anselmo, Neb. B.S.(E.E.), 1939, University of Nebraska; M.S.(E.E.), 1945, Massachusetts Institute of Technology; Dr. of Eng. (Honorary), 1954, University of Nebraska. Committees: Editorial Reviewer, 1954–58; Electronic Computers, 1948–52, chairman, 1949–51; Instruments and Measurements, 1949–50; Papers Review, 1951–53; Standards, 1949–51. Awards: Honorable Mention Award for Young Engineers, 1948, Eta Kappa Nu.

FOSTER, Dudley E. (A'26—M'37—SM'43—F'50), Vice President, Hazeltine Research, Inc. of California, 3320 Burbank Blvd., Burbank, Calif.

Born: December 12, 1900, Newark, N.J. E.E., 1922, Cornell University. Committees: Annual Review, 1938-41, 1945-46; Awards, 1953-57; Building Fund, 1944-55; New York Program, 1937; Papers Procurement. 1942-43; Radio Receivers, 1936-48, chairman, 1938-41, 1945-47; Regular Papers, 1941; Standards, 1938-42, 1945-46; Television, 1939-47; Television and Facsimile, 1938-39. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940.

FOSTER, Ronald Martin (SM'53—F'54), Professor of Mathematics, Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.

Born: October 3, 1896, Brooklyn, N.Y. S.B., 1917, Harvard University. Committees: Circuits, 1947-59.

FOX, A. Gardner (A'40—SM'45—F'56), Radio Research Engineer, Bell Telephone Laboratories, Inc., P.O. Box 107, Red Bank, N.J.

Born: November 22, 1912, Syracuse. N.Y. B.S.(E.E.), 1934, M.S.(E.E.), 1935, Massachusetts Institute of Technology. Committees: Annual Review, 1949–50; Antennas, 1948–49; Antennas and Wave-guides, 1949–54, chairman, 1949–52; Editorial Reviewer, 1954–55; Instruments and Measurements, 1949–50; Radio Wave Propagation and Utilization, 1947–48; Standards, 1949–52; Wave Propagation, 1949–50. Awards: Naval Ordnance Development Award, U. S. Navy, 1945.

FRANKEL, Sidney (A'37—SM'44—F'57), Director of Engineering, Sierra Electronic Corporation, Menlo Park, Calif.
Born: October 6, 1910, New York, N.Y. B.S. (E.E.), 1931, M.S. (Math.), 1934, Ph.D. (Math.), 1936, Rensselaer Polytechnic Institute. Committees: Antennas, 1944—49; Antennas and Waveguides, 1949–50, vice-chairman, 1950–51, 1953–54; Handbook, 1945–47; Transmitters, 1944—45; Transmitters and Antennas, 1943—44. Sections: West Coast Subcommittee on Antennas and Wave-guides, chairman, 1952–54.

FREDENDALL, Gordon L. (A'41—SM'46—F'55), Senior Member of Technical Staff, RCA Laboratories Division, Princeton, N.J.

Born: December 20, 1909, Kettle Falls, Wash. B.S., 1931, M.S., 1932, Ph.D., 1936, University of Wisconsin. Committees: Editorial Reviewer, 1954–57, 1959; Frequency Modulation, 1946–47; Measurements and Instrumentation, 1950–58; Standards, 1959; Video Techniques, 1949, vice-chairman, 1957–58, chairman, 1959–

FRIEND, Albert (A'34—M'39—SM'43—F'54), Consulting Engineer and Physicist, P.O. Box 29, Bala-Cynwyd, Pa. Office: 1334 Montgomery Ave., Narberth, Pa.

1334 Montgomery Ave., Narberth, Pa.
Born: January 24, 1910, Morgantown, W.Va. B.S. (E.E.), 1932; M.S. (Physics), 1936, West Virginia University; S.D. (Communication Engr.), 1948, Harvard University. Committees: Sound Recording and Reproducing, 1948–59, vice-chairman, 1950–51, chairman, 1952–56; Standards, 1952–56. IRE Representative: ASA Sectional Committee (Z57) on Sound Recording, alternate, 1952–59; IRE-AIEE Committee on Noise Definitions, 1951–53. Awards: Fellow, American Physical Society; RCA Laboratories Award, 1951; Second National Electronics Conference Award, 1955.

FRIIS, Harald T. (A'18—M'26—F'29)(L), Consulting Engineer, 30 E. River Road, Rumson, N.J.

Born: February 22, 1893, Neastved, Denmark. E.E., 1916, Dr. Eng., 1938, Royal Technical College, Copenhagen. IRE Offices: Director, 1941–43. Committees: Admissions, 1941; Papers, 1941; Research, 1946–47. Awards: IRE Morris Liebmann Memorial Prize, 1939; Knight of the Danish Order of Dannebrog, 1954; Valdemar Poulsen Gold Medal, Danish Academy of Technical Sciences, 1954; IRE Medal of Honor, 1955; Franklin Institute's Stuart Ballantine Medal, 1958.

FRISCHE, Carl A. (SM'54-F'57), President, Sperry Gyroscope

Company, Division of Sperry Rand Corporation, Great Neck, L.I., N.Y.

Born: August, 1906, Freeport, Kan. A.B., 1928, Miami University, Ohio; M.S. and Ph.D., 1932, Iowa State University; Research Fellowship, 1933, Columbia University; D.Sc. (Honorary), 1955, Miami University, Ohio.

FUBINI, Eugene G. (A'36—SM'46—F'54), Director, Research and Engineering Division, Airborne Instruments Laboratory, Inc., 160 Old Country Rd., Mineola, L.I., N.Y.

Born: April, 1913, Turin, Italy. Doctor of Physics, 1933, University of Rome, Italy. Committees: Editorial Reviewer, 1954-59; Papers Review, 1949-53; Tellers, 1948; Wave Propagation, 1949-53. Sections: Long Island, vice-chairman, 1956-57, chairman, 1957-58. Awards: Presidential Certificate of Merit.

FULLER, Leonard F. (A'14—M'14—F'25)(L), Retired. 2345 Waverly St., Palo Alto, Calif.

Born: August 21, 1890, Portland, Ore. M.E., 1912, Cornell University; Ph.D., 1919, Standford University. IRE Offices: Manager, 1928. Committees: Admissions, 1928–29; Radio Transmitters and Antennas, 1930–31; Sections 1926–28; Specifications for Steamship Radio Equipment, 1914–15; Standardization, 1916–20, 1930–31; Transmitters and Antennas, 1929–30; Wave Length Regulation, 1916–17, 1919–20. Sections: San Francisco, chairman, 1928–29. Awards: IRE Morris Liebmann Memorial Prize, 1919.

GAFFNEY, Francis J. (A'38—M'45—SM'46—F'55), Executive Vice President and General Manager, FXR, Inc., Woodside, L.I., N.Y.

Born: June 27, 1912, Middleton, Lancashire, England. B.S. (E.E.). 1935, Northeastern University. Committees: Instruments and Measurements, 1949-50; Measurements and Instrumentation, vice-chairman, 1950-51; chairman 1951-54; Standards 1951-54. IRE Representative: ASA Sectional Committee (C39) on Electrical Measuring Instruments, 1953-55; ASA Subcommittee (C42.6) on Electrical Instruments, alternate, 1953; Joint IRE-AIEE Committee on High Frequency Measurements, 1952-56; U. S. National Committee, International Electrotechnical Commission, Advisers on Electrical Measuring Instruments, alternate, 1953-55. Awards: Certificate of Merit, 1947.

GANNETT, Danforth K. (M'31—SM'43—F'59), Supervisor of Members of Technical Staff, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: November, 1894, Minneapolis, Minn. B.S., 1916, E.E., 1917, University of Minnesota. IRE Representative: Member, ASA Technical Committee (C16), 1939; Member, Subcommittee (23.4), Video Signal Transmission Methods of Measurement, 1948–49. Awards: Letter of Appreciation for wartine service as Consultant to Office of Scientific Research and Development, May, 1944.

GARMAN, Raymond L. (A'39—SM'51—F'58), Vice President, Engineering and Research, General Precision Equipment Corporation, 92 Gold St., New York 38, N.Y.; Chairman of Board and Technical Director, General Precision Laboratory, Inc., Pleasantville, N.Y.

Born: July 21, 1907, Schoeneck, Pa. B.S., 1929, Franklin and Marshall; M.Sc., 1931, Ph.D., 1932, New York University. Committees: Video Techniques, chairman, 1949-53. Awards: Presidential Certificate of Merit, 1947; Fellow, SMPTE.

GEBHARD, Louis August (A'29—M'42—SM'43—F'49), Superintendent Radio Division, United States Naval Research Laboratory, Washington 25, D.C.

Born: June, 1896, Buffalo, N.Y. B.S. (E.F.), George Washington University; L.L.B., Georgetown University. Awards: Presidential Certificate of Merit, 1946; Fellow, American Physics Society; Scientific Research Society of America; American Association for the Advancement of Science; Armed Forces Communication Association; Naval Institute.

GERBER, Eduard A. (A'50—SM'56—F'58), Director, Frequency Control Division. U. S. Army Signal Research & Development Laboratory, Fort Monmouth, N.J.

Born: April 3, 1907, Fuerth, Bavaria, Germany, M.S., 1931, Ph.D., 1934, Technical University, Munich, Germany, Committees: Piezoelectric and Ferroelectric Crystals, chairman, 1957–59; Standards, 1957–59.

GERKS, Irvin H. (A'32—M'41—SM'43—F'58), Engineer, Collins Radio Company, 5225 C Ave., N.E., Cedar Rapids, Iowa. Born: October 30, 1905, New London, Wis. B.Sc.(E.E.), 1927, University of Wisconsin; M.Sc.(E.E.), 1932, Georgia Institute of Technology. Committees: Wave Propagation, 1948–59. Sections: Atlantic, chairman, 1935–37; Dayton, chairman, 1944

GIACOLETTO, Lawrence J. (S'37—A'42—M'44—SM'48—F'58), Research Manager, Scientific Laboratory, Ford Motor Company, 20000 Rotunda Blvd., Dearborn, Mich.

Born: November 14, 1916. Clinton, Ind. B.Sc. (E.E.), 1938. Rose Polytechnic Institute; M.Sc. (Physics), 1939. State University of Iowa; Ph.D. (E.E.), 1952. University of Michigan. Committees: Administrative Committee. Board of Editors, 1952–53; Editorial Reviewer, 1954–59; Papers Review, 1953. Sections: Monmouth Subsection, chairman, 1944–45; Princeton, secretary, 1948–49; vice-chairman, 1949; chairman, 1950; Detroit, chairman, 1959. Awards: Fellow, American Association for the Advancement of Science.

GILL, Archibald J. (M'20—F'40)(L), Chairman and Director, British Telecommunications Research, Ltd., Taplow, Buckinghamshire, England.

Born: May 13, 1889, Stoke-Sub-Hamdon, Somerset, England. B.Sc. (Eng.), 1909, University of London.

GILLETT, Glenn D. (A'22—M'27—F'34), Design Specialist, Lockheed Missiles System Division, Lockheed Aircraft Corporation, 1122 Jagels Road, Sunnyvale, Calif.; Owner, Glenn D. Gillett, Electric Motors & Engineering, 1127 Whitham Rd., Los Altos, Calif.

Born: April 14, 1898, Sterling, Colo. A.B., 1919, Harvard University; S.B. (E.E.), 1921, Harvard Engineering School. Committees: Broadcast, 1935–38; Radio Wave Propagation, 1942–46; Wave Propagation, 1937–42.

GILMAN, George W. (A'29—SM'47—F'50), Director of Telegraph, Signaling and Special Systems Development, Bell Telephone Laboratories, Inc., 463 West St., New York 14, N.Y.
Born: August, 1901, Salmon River, N.S., Canada, M.S., 1923, Massachusetts Institute of Technology, Committees: Board of Editors, 1944–48; Frequency Modulation, 1940–41; Public Relations, 1940–42; Publicity, 1941.

GINZTON, Edward L. (S'39—A'40—SM'46—F'51), Professor of Applied Physics and Electrical Engineering; Director, Microwave Laboratory, Stanford University, Stanford, Calif.; Member, Board of Directors, Varian Associates, Inc., Palo Alto, Calif.

Born: December 27, 1915, Ekaterinoslavsk, Russia. B.S., 1936, M.S., 1937, University of California; E.E., 1938, Ph.D., 1940, Stanford University. Committees: Awards. 1957. Awards: IRE Morris Liebmann Memorial Prize, 1958.

GIORDANO, Anthony B. (SM'46—F'58), Associate Dean in charge of the Graduate School; Professor, Electrical Engineering, Polytechnic Institute of Brooklyn, 85-99 Livingston St., Brooklyn 1, N.Y.

Born: February 1, 1915, New York, N.Y. B.E.E., 1937, M.E.E., 1939, D.E.E., 1946. Polytechnic Institute of Brooklyn. Committees: Antennas and Wave Guides, 1951–53; National Convention Papers, secretary, 1946–47; vice-chairman, 1950–51. Sections: New York, secretary, 1952–53; vice-chairman, 1953–54; chairman, 1954–55; Executive Committee, 1955–59; Long Island Program Committee, 1958–50 IRE Representative: Polytechnic Institute of Brooklyn, 1947–53. Professional Groups: Circuit Theory Symposium, chairman, 1957–58; Microwave Theory and Techniques, Microwave Prize Committee, 1957–58. Awards: New York Section Certificate of Appreciation, 1956; UNICO National, Gold Oscar for Science, 1957; Polytechnic Institute of

Brooklyn, Certificate of Distinction, 1957; AIEE Certificate of Appreciation, 1957.

GLASGOW, Roy S. (M'26—SM'43—F'55), Dean, U. S. Naval Postgraduate School, Monterey, Calif.

Born: May 20, 1895, St. Louis, Mo. B.S., 1918, Washington University; M.S., 1922, Harvard University. Sections: St. Louis, chairman, 1941–42. IRE Representative: Washington University, 1941–42. Awards: Fellow, American Institute of Electrical Engineers; Distinguished Service Award, U. S. Army, 1951; Honorary Life Member, St. Louis Engineers Club, 1954; Alumni Citation, Washington University, 1955.

GLOVER, Alan M. (A'39—SM'46—F'56), Vice President and General Manager, Semiconductor and Materials Division, Radio Corporation of America, Somerville, N.J.

Born: September, 1909. Rochester, N.Y. B.A., 1930, M.A., 1932, Ph.D., 1935. University of Rochester. Committees: Electron Tubes, 1946–49: Electron Tubes and Solid State Devices, 1949–52; Electronics, 1943–46; Papers Procurement, 1946; Vacuum Tubes, 1945–46. Sections: Lancaster Subsection, chairman, 1948–49.

GOLDBERG, Harold (A'38—M'44—SM'44—F'55), Vice President, Emerson Radio & Phonograph Corporation, Emerson Research Laboratories. 1140 East West Highway, Silver Spring, Md

Born: January 31, 1914. Milwaukee, Wis. B.S.(E.E.), 1935, M.S.(E.E.), 1936, Ph.D.(E.E.), 1937, Ph.D. (physiology), 1941; University of Wisconsin. Committees: Radio Transmitters, 1949-59, vice-chairman, 1953-56, chairman, 1956-58; Solid State Devices, 1955-58; Standards, 1956-58. Sections: Rochester, secretary, 1944-45. Professional Groups: Washington Chapter, Information Theory, chairman, 1956. Awards: Exceptional Service Award, U. S. Department of Commerce, 1953.

GOLDMAN, Stanford (A'36—M'43—SM'43—F'56), Professor of Electrical Engineering, Syracuse University, Syracuse 10, N.Y.

Born: November 14, 1907, Cincinnati, Ohio. B.A., 1926, M.A., 1928, University of Cincinnati; Ph.D. (Physics), 1933, Harvard University. Committees: Circuits, 1947-51; Information Theory and Modulation Systems, 1956-58; Papers, 1944-45; Papers Review, 1946-50. IRE Representative: IRE-AIEE Committee on Noise Definitions, 1949-53.

GOLDMARK, Peter C. (A'36—M'38—F'42), President and Director of Research, CBS Laboratories, a Division of Columbia Broadcasting System, Inc., High Ridge Rd., Stamford, Conn. Born: December 2, 1906, Budapest, Hungary. B.Sc., 1930, Ph.D., 1931, Vienna Technical University. Committees: Board of Editors, 1941-50; Television, 1939-49; Television and Facsimile, 1938-39; Television Systems, 1949-59. Awards: Technical Progress Medal. Television Broadcasters' Association, 1944; IRE Morris Liebmann Memorial Prize, 1945.

GOLDSMITH, Alfred N. (IRE Founder and Charter Member), (A'12—F'15)(L), Consulting Engineer, 597 Fifth Ave., New York 17, N.Y.

Born: September, 1889, New York, N.Y. B.S., 1907, College of the City of New York; Ph.D., 1911, Columbia University; Sc.D., 1935, Lawrence College. IRE Offices: President, 1928; Secretary, 1918-27; Editor, 1912-28, 1930-53; Editor Emeritus, 1954-; Director, 1912-59 Committees: Administrative Committee of the Board of Editors, chairman, 1951-53; Admissions, 1925; Awards, 1919, 1930-33, 1935-38, chairman, 1919, 1931; Bibliography, 1934; Board of Editors, chairman, 1928, 1930-53; Circuit Elements, 1928-29; Constitution and Laws, 1935-40, chairman, 1935; Convention Policies, 1940; Editorial Administrative, chairman, 1946-53; Executive, 1942-53; Finance, 1914-15, chairman, 1915; Fiscal, 1947-48; Meetings and Papers, 1925-26; Membership Solicitation Policy, 1945; Nominations, 1929-31, 1936, 1940, chairman, 1930. 1940; Office Quarters, 1947; Papers, chairman, 1913-19; Planning, 1947; Special Papers, 1940-41; Standardization, 1913-31, secretary, 1913; chairman, 1915-16; Standards, 1932-36; Television and Facsimile, 1936-38; Tellers, chairman, 1932; Wave

Length Regulation, 1916, 1919. IRE Representative: ASA Sectional Committee on Radio, 1936, 1939-40, chairman, 1942-48; ASA Standards Council, 1936, 1939-46; ASA Subcommittee on Insulating Material Specifications for the Military Services, chairman, 1943-48; ASA War Committee on Radio, 1943-48; National Advisory Council on Radio in Education, 1936, 1939-40; National Advisory Council on Radio in Education, Committee on Engineering Developments, 1941-43; Joint IRE-AIEE, Co-ordination Committee, 1952; National Television Film Council, president, 1957; National Television Systems, 1940-43; Panel 2, chairman, 1942-43. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940; IRE Medal of Honor, 1941; Townsend Harris Medal, College of the City of New York, 1942; Medal Award, Television Broadcasters Association, 1945; IRE Founders' Award, 1954; Eminent Member, Eta Kappa Nu; Life Member New York Medico-Surgical Society; Fellow, International College of Surgeons; Pioneer Award, Society of Motion Picture and Television Engineers.

GOLDSMITH, Thomas T., Jr. (A'38—SM'46—F'49), Vice President, Engineering and Research, Allen B. DuMont Laboratories, Inc., 760 Bloomfield Ave.. Clifton, N.J. Born: January, 1910. Greenville, S.C. B.S., 1931, Furman University; Ph.D., 1936, Cornell University. Committees: Admissions, 1944–47; Electron Tubes, 1946–47; Electronics, 1942–46; Professional Groups, 1948; Regular Papers, 1941; Television, 1939–46; Tellers, 1944; Vacuum Tubes, 1945–46. Sections: Northern New Jersey, chairman, 1958–59. Awards: Fellow, Society of Motion Picture and Television Engineers.

GOLDSTEIN, Ladislas (SM'54—F'56), Professor of Electrical Engineering, University of Illinois, Urbana, Ill. Born: February 6, 1906, Dombard, Hungary. B.A., 1925, Nagy-varad College, Hungary; M.S., 1928, D.Sc., 1937, University of Paris.

GOLDUP, Thomas E. (SM'52—F'55), Director, Mullard, Ltd., Mullard House, Torrington Pl., London, W.C. 1, England. Born: April 30, 1894, London, England. Awards: Commander of the Order of the British Empire, 1954.

GOODALL, William McH. (A'29—M'37—SM'43—F'51), Technical Staff, Bell Telephone Laboratories, Inc., P.O. Box 107, Red Bank, N.J.

Born: September 7, 1907, Washington, D.C. B.Sc., 1928, California Institute of Technology. Committees: Editorial Reviewer, 1954-59; New York Program, 1939-41, 1949-50; Papers Review, 1946-53; Tellers, 1939, 1941, chairman, 1939. Sections: Monmouth, N.J. Subsection, sccretary-treasurer, 1950, vice-chairman, 1954, chairman, 1955.

GOOD, William E. (M'45—SM'50—F'59), Development Engineer, Television Receiver Department, General Electric Company, Syracuse, N.Y.

Born: April 25, 1916, Hillsdale, Mich. A.B., 1937, Kalamazoo College; M.S. (Physics), 1939, University of Illinois; Ph.D. (Physics), 1946, University of Pittsburgh. Sections: Syracuse, vice-chairman, 1955-56.

GOODWIN, W. Nelson, Jr. (A'15—M'29—SM'43—F'57)(L), Consulting Engineer, Weston Electrical Instrument Corporation, Newark 12, N.J. Residence, R.D. 2, Box 126, New Hope, Pa.

Born: October, 1876, Philadelphia, Pa. B.S., 1897, E.E., 1908, University of Pennsylvania. Awards: Modern Pioneer Award, 1940, American Manufacturers Association; National Electrical Manufacturers Association, 1948; Fellow, American Institute of Electrical Engineers; Fellow, American Association for the Advancement of Science; Potts Medal for Science, The Franklin Institute, 1958.

GOUBAU, Georg J. E. (A'49—SM'56—F'57), Consultant, U. S. Army Signal Research & Development Laboratory, Ft. Monmouth, N.J.

Born: November 29, 1906, Munich, Germany. M.S., 1931, Ph.D.

(Physics), 1932, Dr. habil., 1935, Institute of Technology, Munich. Awards: IRE Harry Diamond Memorial Award, 1957.

GRAHAM, Robert E. (M'45—SM'57—F'59), Engineer-in-Charge of Visual Research, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: October 4, 1916, Kansas City, Mo. Associate in Sc., 1935, Kansas City Junior College, B.S. (E.E.), 1937, Purdue University. Committees: Servo Systems, 1951–52; Video Techniques, 1951–53. Awards: Naval Ordnance Development Award, U. S. Navy Bureau of Ordnance, 1945.

GRAHAM, Virgil M. (A'24—M'27—F'35), Associate Director, Engineering Department, Electronic Industries Association, Room 650, 11 W. 42 St., New York 36, N.Y.

Room 650, 11 W. 42 St., New York 36, N.Y. Born: January 22, 1902, Rochester, N.Y. Attended University of Rochester. IRE Offices: Director, 1935-41, 1946-48. Committees: Appointments, 1948; Awards, 1940, 1947-49; Broadcast and Television Receivers, 1949-52, chairman, 1949-51; Constitution and Laws, 1940, 1944; Executive, 1948; Meetings and Papers, 1928-29; Membership, 1949-50; National Convention, 1947-50; Nominations, 1940; Papers Procurement, 1942-43, 1946; Professional Groups, 1948-49; Public Relations, chairman, 1940, 1947-48, 1951; Publicity, 1935-36; Radio Receivers, 1927-28, 1936-40; Radio Receivers and Parts, 1929-30; Regular Papers, 1941; Sections, 1930-34, 1938-45, 1948, chairman, 1936-37; Standardization, 1925-26, 1929-30; Standards, 1932, 1935-43, 1945-48, 1954-57, 1959. Professional Groups: Broadcast and Television Receivers, chairman, 1950. Sections: Rochester, chairman, 1926-27. IRE Representative: ASA Sectional Committee on National Electrical Safety Code, Radio Broadcast Reception Equipment, alternate, 1939-48, chairman, 1948-50: ASA Sectional Committee on Radio (C16), chairman, 1950; RMA-IRE Co-ordinating Committee, chairman, 1947-49.

GRAMMER, George (A'49—F'59), Technical Director; Technical Editor, QST., American Radio Relay League, 38 LaSalle Rd., West Hartford 7, Conn.

Born: January 25, 1905, Philadelphia, Pa. 1923–26, Drexel Institute. Committees: Antennas, 1946–48; Electron Tubes, 1947–48; Membership, 1930, 1947–49; Modulation Systems, 1947–48; Public Relations, 1940–44; Radio Transmitters, 1947–48. Sections: Connecticut Valley, secretary, 1931–32.

GRANGER, John V. N. (S'42—A'45—M'46—SM'51—F'56), President, Granger Associates, 966 Commercial St., Palo Alto, Calif.

Born: September 14, 1918, Cedar Rapids, Iowa. A.B., 1941, Cornell College; M.S., 1942, Ph.D., 1948, Harvard University. Committees: Editorial Reviewer, 1954–59. Sections: Palo Alto Subsection, secretary, 1952, chairman, 1954–55. Professional Groups: Aeronautical and Navigational Electronics, Editor of Transactions, 1955–56. Awards: Eta Kappa Nu Recognition, Outstanding Young Electrical Engineer, 1952; Seventh Region Electronic Achievement Award, 1955.

GRANQVIST, Carl E. (A'46—F'55), Director, Svenska AB Gasaccumulator, Stockholm-Lidingö, Sweden.
Born: March 2, 1910, Ljungby, Småland, Sweden. M.A., 1933, Tekniska Högskolan, Stockholm. IRE Offices: Vice President, 1958.

GREEN, Estill I. (A'27—M'36—SM'43—F'55), Executive Vice President, Bell Telephone Laboratories, Inc., Murray Hill, N.J. Born: November 24, 1895, St. Louis, Mo. B.A., 1915, Westminster College; B.S.(E.E.), 1921, Harvard University; D.Sc. (Honorary), 1956, Westminster College. Committees: Institute Sections, 1928; Measurements and Instruments, 1950–53. IRE Representative: Joint IRE-AIEE Committee on High Frequency Measurements, 1950–52.

GRIEMSMANN, John W. E. (A'45—M'55—SM'57—F'59), Research Professor, Microwave Research Institute, Polytechnic Institute of Brooklyn; Associate Director of Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y.

Born: May, 1916, Brooklyn, N.Y. B.(E.E.), 1936, M.(E.E.), 1938; D.(E.E.), 1946, Polytechnic Institute of Brooklyn.

GROSS, Gerald C. (A'27—M'30—SM'43—F'57), Assistant Secretary-General, International Telecommunication Union, Palais Wilson, Geneva, Switzerland.

Born: December 27, 1903, New York, N.Y. B.S.(E.E.), 1926, Haverford College. Sections: Washington, secretary-treasurer, 1936-37, vice-chairman, chairman, 1939-40.

GROVER, Frederick W. (M'17—SM'43—F'49)(L), Professor Emeritus of Electrical Engineering, Union College, Schenectady 8,, N.Y.

Born: September 3, 1876, Lynn, Mass. S.B., 1899, Massachusetts Institute of Technology; M.S., 1901, Wesleyan University; Ph.D., 1907, George Washington University; Ph.D., 1908; Ludwig Maximilian University, Munich, Germany. Committees: Board of Editors, 1932-53; Papers, 1941-45 IRE Representative: Union College, N.Y., 1941-48.

GRUEN, Wolf J. (M'47—SM'53—F'57), Senior Staff Member, Ramo-Wooldridge, a Division of Thompson-Ramo-Wooldridge, Inc., 5500 W. El Segundo Blvd., Hawthorne, Calif.

Born: September, 1914, Berlin, Germany. Dipl. Eng. (E.E.), 1940, Swiss Federal Institute of Technology, Zurich; M.E.E., 1952, Syracuse University.

GUÉNARD, Pierre R. (SM'50—F'55), Directeur Technique du Centre de Physique Électronique et Corpusculaire de la Compagnie Générale de T.S.F., Boîte Postale n° 10, ORSAY (Seine et Oise), France, Professeur à l'Ecole Supérieure d'Electricité. Born: January 22, 1914, Amiens, France. Licencié ès Sciences, 1935, Agrégé des Sciences Physiques, 1937, Ecole Normale Supérieure. Awards: Prix d'Aumale de l'Académie des Sciences de Paris, 1952; Médaille Ampère de la Société Française des Electriciens; Médaille Blondel, 1956.

GUILLEMIN, E. A. (A'41—SM'48—F'49), Professor of Electrical Communications, Massachusetts Institute of Technology, Cambridge 39, Mass.

Born: May, 1898, Milwaukee, Wis. B.S., 1922, University of Wisconsin; S.M. (E.E.), 1924, Massachusetts Institute of Technology; Ph.D., 1926, University of Munich, Germany (Saltonstall Fellow). Committees: Annual Review, 1944-47; Board of Editors, 1952-53; Circuits, 1944-51, chairman, 1944-47; Editorial Reviewer, 1954-59; Education, 1947-48; Standards, 1944-47. IRE Representative: Massachusetts Institute of Technology, 1945-54. Awards: Presidential Certificate of Merit, 1948.

GUNN, Ross (A'35—SM'47—F'49), Research Professor of Physics, American University, Washington 16, D.C. Assigned full time to the Controlled Thermonuclear Branch of the Atomic Energy Commission.

Atomic Energy Commission.

Born: May, 1897, Cleveland, Ohio. B.S. (E.E.), 1920, M.S., 1921, University of Michigan; Ph.D., 1926, Yale University. Awards: Exceptionally Distinguished Service Citation, United States Navy, 1945; Air Safety Distinguished Service Award, 1951; Distinguished Alumnus Citation, University of Michigan, 1953; Robert M. Losey Award, Institute of Aeronautical Sciences, 1956; U. S. Department of Commerce Gold Medal for Exceptional Service, 1957; Fellow, American Physical Society; National Academy of Sciences.

GUNTHER, Clarence (A'27—SM'48—F'54), Chief Defense Engineer, Defense Engineering Department, Defense Electronic Products, Radio Corporation of America, Camden 2, N.J. Born: June 29, 1903, Los Angeles, Calif. B.S.E., 1926, Princeton University. Sections: Philadelphia, secretary-treasurer, 1948—49, vice-chairman, 1950, chairman, 1950. Awards: Award of Merit, 1952, Radio Corporation of America.

GUY, Raymond F. (A'25—M'31—F'39), Director, Radio Frequency and Allocations Engineering, National Broadcasting Company, Inc., 30 Rockefeller Plaza, New York 20, N.Y. Born: July 4, 1899, Hartford, Conn. I.E.E., 1921, Pratt Institute.

IRE Offices: President, 1950; Treasurer, 1947; Director, 1944-52. Committees: Admissions, 1958-59; Annual Review, 1943-47; Antennas, 1944-48; Broadcasting, 1929-33; Building Fund, vice-chairman, 1948; Constitution and Laws, 1945-53, chairman, 1946; Education, 1945-48; Executive, 1946-47, 1950-52, vice-chairman, 1947, chairman, 1950; Finance, 1951-52; Fiscal, 1947-48; Founders, chairman, 1947, 1949-50; Frequency Modulation, 1942-47; Investments, 1947, 1949, chairman, 1949; Membership, 1947-49, chairman, 1949; Modulation Systems, 1947-50; Nominations, 1951; Office Practices, chairman, 1947; Professional Groups, 1951-52; Public Relations, 1949, 1951-54; chairman, 1949; Radio Transmitters, chairman, 1944-45; Standards, 1943-46, chairman, 1943-44; Winter Technical Meeting, 1946. IRE Representative: ASA Standards Council, alternate, 1946-48; Joint RMA-IRE Co-ordination Committee, 1950; Joint Technical Advisory Committee, 1950. Awards: President, Radio Pioneers, 1956; Marconi Memorial Gold Medal of Achievement, 1956.

HACKBUSCH, Ralph A. (A'26—M'30—F'37), President, Hackbusch Electronics, Ltd., 23 Primrose Ave., Toronto 4, Ont., Canada.

Born: September 18, 1900, Hamilton, Ont., Canada. IRE Offices: Vice President, 1944; Director, 1938, 1944-46. Committees: Admissions, 1940; Awards, 1947-49; Public Relations, 1940, 1947-51; Sections, 1936-37; Standards, 1949-59. Sections: Toronto, secretary, 1930-31, chairman, 1932-33. Awards: Fall Meeting Plaque, 1943.

HAEFF, Andrew V. (A'34—M'40—SM'43—F'49), Vice President, Director, Research Laboratories, Hughes Aircraft Company, Culver City, Calif.

Born: December, 1904, Moscow, Russia. E.E. and M.E., 1928, Russian Polytechnic Institute, Harbin, China; M.S. (E.E.), 1929, Ph.D., 1932, California Institute of Technology. Committees: Awards, 1956–59; Board of Editors, 1951–53; Editorial Administrative, 1949–51; Editorial Reviewer, 1954–59; Nuclear Studies, 1948–49. Awards: Special Research Fellowship, California Institute of Technology, 1932–33; IRE Harry Diamond Memorial Award, 1950.

HAFSTAD, Lawrence R. (SM'52—F'53), Vice President, General Motors Corporation, Director, Research Staff, P.O. Box

188, North End Station, Detroit 2, Mich. Born: June 18, 1904, Minneapolis, Minn. B.S.(E.E.), 1926, University of Minnesota; Ph.D. (Physics), 1933, The Johns Hopkins University. Committees: Annual Review, 1949-50; Nominations, 1951; Nuclear Studies, chairman, 1948-50. Professional Groups: Nuclear Science, chairman, 1952. Awards: American Association for the Advancement of Science Award, 1931; U. S. Delegate to International Radio Union Conference in London, 1934; British "King's Medal in Defense of Freedom," 1946; Medal of Merit from Secretary of the Navy, 1946; Distinguished Service Award, U. S. Atomic Energy Commission, 1954.

HAGEN, John P. (A'37—SM'47—F'54), Chief, Vanguard Division, National Aeronautics and Space Administration, Washington 25, D.C.

Born: July, 1908, Amherst, N.S., Canada. A.B., 1929, Boston University; M.A., 1931, Wesleyan University; Ph.D., 1949, Georgetown University. Awards: President's Certificate of Merit for work in the early development of radar; RESA, Sigma Xi.

HAGGERTY, Patrick E. (A'45—SM'53—F'58), President and Director, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

Born: March 17, 1914, Harvey, N.D. B.S. (E.E.), 1936, Marquette University. Committees: Awards, 1954-55. Sections: Dallas, advisor, 1955-58.

HALL, Albert C. (A'39—SM'46—F'58), Director of Research, The Martin Company, Denver Division, P.O. Box 179, Denver 1. Colo.

Born: June 27, 1914, Port Arthur, Tex. B.S.(E.E.), 1936, Texas A. & M.; M.Sc.(E.E.), 1938, S.D.(E.E.), 1943, Massachusetts

Institute of Techinology. Awards: Naval Ordnance Development Award; Eta Kappa Nu, Outstanding Young Electrical Engineer Award.

HALL, Nathan I. (SM'47—F'56), Vice President, Engineering, Hughes Aircraft Company, Culver City, Calif.
Born: October, 1910, Elkins, W.Va. B.S.(E.E.), 1934, M.S. (E.E.), 1934, D.Sc. (Honorary), 1956, West Virginia University; E.E., 1937, Stanford University. Committees: Editorial Reviewer, 1955-59. Awards: Eta Kappa Nu, Outstanding Electrical Engineer, 1934.

HALL, Robert N. (SM'53—F'57), Physicist, General Electric Research Laboratory, The Knolls, Schenectady, N.Y.
Born: December 25, 1919, New Haven, Conn. B.S., 1942, Ph.D., 1948, California Institute of Technology. Awards: Predoctoral Fellowship, National Research Council, 1946.

HALLER, George L. (A'28—M'36—SM'43—F'50), Vice President and General Manager, Defense Electronics Division, General Electric Company, Syracuse, N.Y.
Born: May 8, 1907, Pittsburgh, Pa. B.S.(E.E.), 1927; E.E., 1934; M.S. (Physics), 1935, Ph.D. (Physics), 1942, Pennsylvania State University. Committees: Papers Review, 1946-50; Technical Program Committee National Convention, chairman, 1958-59. Professional Groups: Airborne Electronics Administrative Committee, 1951-53, chairman, 1958-59; Military Electronic Administrative Committee, 1956-57. Sections: Dayton, chairman, 1944-45; Centre County Subsection, chairman, 1949-50. Awards: Legion of Merit, United States Air Force, 1946.

nical Director, C. and N. Laboratory, Wright Air Development Center, Wright-Patterson Air Force Base, Ohio.

Born: July 21, 1907, Sneads, Fla. B.S., 1929, E.E., 1934, Alabama Polytechnic Institute. Committees: Modulation Systems, 1948–50. Sections: Dayton, chairman, 1945–46. Professional Groups: Administrative Committee, Aeronautical and Navigational Electronics, 1951–53, 1956–59; National Conference on Aeronautical Electronics, chairman, Board of Directors, 1954; Papers Committee, Aeronautical and Navigational Electronics, chairman, 1951–53. Awards: War Department Commendation, 1946.

HALLMAN, Ludlow B., Jr. (J'27-A'29-SM'44-F'52), Tech-

HAMBURGER, Ferdinand, Jr. (A'32—M'39—SM'43—F'53),
Professor and Chairman, Electrical Engineering Department;
Director, Radiation Laboratory. The Johns Hopkins University.
Born: July 5, 1904, Baltimore, Md. B.E., 1924, Dr. Eng., 1931,
The Johns Hopkins University. IRE Offices: Director, 1950—51,
1959—61. Committees: Appointments, 1951, 1959; Editorial Board,
1956—59, vice-chairman, 1958—59; Education, 1955—59; Nominations, 1951: Policy Advisory, 1952—55. Sections: Baltimore,
chairman, 1940—41. IRE Representative: The Johns Hopkins
University, 1941—54. Awards: Fellow, American Institute of Electrical Engineers, 1949.

HAMMOND, John H., Jr. (M'36—SM'43—F'59) (L), President, Hammond Research Corporation, Gloucester, Mass. Born: April 13, 1888, San Francisco, Calif. B.S., 1910, Sheffield Scientific School of Yale University; Sc.D., 1919, George Washington University. IRE Offices: Director, 1913—14; Treasurer, 1913—14; Member of First Board of Managers, 1915—17. Committees: Special Committee on Membership, chairman, 1913—14; Finance, chairman, 1914.

HANSEL, Paul G. (S'39—A'42—SM'50—F'57), Chief Radio Engineer, Servo Corporation of America, 20-20 Jericho Turnpike, New Hyde Park, L.I., N.Y.

Born: June, 1917, Grand Island, Neb. B.S., 1946, University of Kansas. Committees: Tellers, 1955-58. Sections: Long Island, secretary, 1954, chairman, 1955-56. Awards: War Department Commendation for Meritorious Civilian Service, 1946.

HANSELL, Clarence W. (A'26—M'29—SM'43—F'45), Fellow, RCA Laboratories, Radio Corporation of America, Princeton, N.J.

Born: January 20, 1898, Medaryville, Ind. B.S. (E.E.), 1919, D.E.E. (Honorary), 1952, Purdue University. Awards: Joint Modern Pioneer Award, National Association of Manufacturers, 1940.

HANSEN, Edmund H. (A'25—M'26—SM'43—F'59), Physicist, E. H. Hansen Laboratories, P.O. Box 6, Balboa Island, Calif. Born: November 13, 1894, Springfield, Ill. Committees: Picture Transmission, 1922; Publicity, 1915–17, 1927–28. Awards: Motion Picture Academy of Arts & Sciences Sound Award, 1945.

HANSON, O. B. (A'18—M'27—F'41)(L), Retired. Consultant, Radio Corporation of America. Home: P.O. Box 244, Westport, Conn.

Born: February 11, 1894, Huddersfield, Yorkshire, England. IRE Offices: Director, 1938-43. Committees: Meetings and Papers, 1929; Members, 1950; Nominations, 1944-45, 1948; Papers, 1942-45; Papers Procurement, 1942-43; Papers Review, 1946-53; Public Relations, 1940-46; Regular Papers, 1941; Standardization, 1929; Tellers, chairman, 1941.

HARMON, Ralph N. (A'30—SM'45—F'52), Vice President, Engineering, Director, Westinghouse Broadcasting Company, Inc., 122 East 42nd St., New York 17, N.Y.

Born: August 29, 1905, California, Pa. B.S. in E.E., 1928, Carnegie Institute of Technology. Committees: Broadcast, 1935–38; Membership, 1950–51; Radio Transmitters, 1956–59; Television, 1945–49; Television Systems, 1949–58, vice-chairman, 1959. Sections: Baltimore, chairman, 1945–46. Awards: Award of Merit, U. S. Navy Bureau of Ships, U. S. Navy Ordnance, National Defense Research Council; Patent Awards, Westinghouse

Electric Corporation.

HARNETT, Daniel E. (A'25—M'35—F'42), Engineer, General Electric Company, Syracuse, N.Y.
Born: July 20, 1899, Elmira, N.Y. A.B., 1922, E.E., 1925, Columbia University. Committees: Admissions, 1941—43; Awards, 1945—46; New York Program, 1940; Papers Procurement, 1947—48; Radio Receivers, 1936—41, 1953—59, chairman, 1956; Standards, 1956—59; Vacuum Tubes, 1929—30. IRE Representative: ASA Sectional Committee (C16) on Radio, 1957—59. Awards: U. S. Navy Certificate of Commendation, 1947.

HARRIS, Donald B. (SM'45—F'56), Senior Executive Engineer, Stanford Research Institute, Menlo Park, Calif. Born: February 10, 1901, Minneapolis, Minn. B.A., 1922, Yale University. Committees: Awards, 1959-60; Board of Editors, 1950-53; Constitution and Laws, 1951; Editorial Reviewer, 1954-59; Mobile Communications, 1950-57, 1959; Railroad and Vehicular Communications, 1948-50; Sections: Cedar Rapids, chairman, 1950; San Francisco, director, 1953-56. Professional Groups: Electron Devices Administrative Committee; Awards Committee, chairman. IRE Representative: Western Electronics Show and Convention, vicc-chairman, 1955, chairman, 1957. Awards: Certificate of Appreciation, Navy Department, 1948.

HARRIS, William A. (SM'50—F'55), Engineer, Advanced Development Group, RCA Victor Division, 415 S. 5 St., Harrison, N.J.

Born: January 9, 1907, Terre Haute, Ind. B.S., 1927, Rose Polytechnic Institute.

HARRISON, Arthur E. (A'41—SM'45—F'55), Professor, Electrical Engineering, University of Washington, Seattle 5, Wash. Born: January 20, 1908, San Luis Obispo, Calif. B.S., 1936, University of California; M.S., 1937, Ph.D., 1940, California Institute of Technology. Committees: Awards, 1956; Editorial Reviewer, 1954–59; Education, 1949–58; Membership, 1951; Papers Procurement, 1945–46; Papers Review, 1946–53; Sections: Princeton Subsection, secretary, 1947; Princeton Section, secretary, 1947, vice-chairman, 1948; Seattle, chairman, 1954–55.

HARTIG, Henry E. (A'36—M'41—SM'43—F'52), Professor, Electrical Engineering Department, University of Minnesota, Minneapolis 14, Minn.

Born: January 28, 1892, Minneapolis, Minn. B.E.E., 1918, Ph.D., 1924, University of Minnesota. Committees: Awards, 1954-56; Education, 1952-57. Sections: Twin City, chairman, 1945-46. IRE Representative: University of Minnesota, 1941-42. Awards: Fellow, American Institute of Radio Engineers.

HARTLEY, Ralph V. L. (M'19—F'28)(L), Retired. 174 Summit Ave., Summit, N.J.

Born: November 30, 1888, Spruce, Nev. A.B., 1909, University of Utah; B.A., 1912, B.Sc., 1913, Oxford University. Committees: Sections, 1945. Awards: IRE Medal of Honor, 1946.

HARVEY, Norman L. (A'41—M'46—SM'48—F'54), Vice President, Engineering, CBS Electronics, a Division of the Columbia Broadcasting System, 100 Endicott St., Danvers, Mass. Born: October 9, 1911, Ossian, Iowa. B.S.(E.E.), 1934, Iowa State College. Committees: Navigation Aids, 1947—48.

HAUSZ, Walter (A'44—SM'46—F'54), Technical Military Planning Operation, General Electric Company, Santa Barbara, Calif.

Born: May, 1917, Queens County, N.Y. B.S. (E.E.), 1937; M.S. (E.E.), 1938, Columbia University. Committees: Admissions, 1951–52; National Convention, Convention Record, *chairman*, 1953–54; Papers Review, 1951–53. Sections: Santa Barbara Subsection, *chairman*, 1957–58. Awards: Coffin Award, General Electric, 1952.

HAYES, John Edmund (A'39—VA'39—SM'53—F'54), Chief Engineer, Canadian Broadcasting Corporation, 5253 Decarie Blvd., Montreal, P.Q., Canada.

Born: February, 1910, Arcola, Sask., Canada, B.Sc., 1935, Queens University; M.Eng., 1947, McGill University. Committees: Educational, 1946-50; Television Systems, 1952-59.

HAYES, Leslie W. (F'38), Vice Director, International Radio
 Consultative Committee (C.C.I.R.), International Telecommunication Union, Palais Wilson, Geneva, Switzerland.
 Born: May 31, 1896, London, England.

HAZELTINE, Alan (A'16—M'18—F'21)(L), Consulting Engineer, 15 Tower Dr., Maplewood, N.J.

Born: August 7, 1886, Morristown, N.J. M.E., 1906, Sc.D. (Honorary), 1933, Stevens Institute of Technology; A.M., 1938, Columbia University. IRE Offices: President, 1936; Manager, 1923-28, 1937-38; Director, 1936-39. Committees: Admissions, 1925-28; Awards, chairman, 1937-38; Education, 1945-47; Meetings and Papers, 1925, 1927; New York Program, 1935; Radio Receivers, 1927-28; Standardization, 1924-28; Vacuum Tube Terminology, chairman, 1924-25; Vacuum Tubes, chairman, 1927-28. Awards: Armstrong Medal, Radio Club of America, 1937.

HEADRICK, Lewis B. (A'36—M'38—SM'43—F'53), Staff Engineer, Kinescopes, RCA Tube Division, New Holland Pike, Lancaster, Pa.

Born: June 6, 1904, Chattanooga, Tenn. B.S. (Physics), 1926, University of Chattanooga; Ph.D. (Physics), 1930, University of Michigan. Committees: Board of Editors, 1944–53; Editorial Reviewer, 1954–59; Electron Tubes, 1946–49; Electron Tubes and Solid State Devices, 1949–50; Electronics, 1942–46; Membership, 1943–46; Vacuum Tubes, 1945–46. Sections: Philadelphia, Lancaster Subsection, chairman, 1952.

HEGBAR, Howard R. (S'41—A'42—SM'46—F'57), Manager, Avionics and Electronics, Goodyear Aircraft Corporation,

Akron 15, Ohio.
Born: February 22, 1915, Valley City, N.D. B.S.(E.E.), 1937, North Dakota State College; M.S.(E.E.), 1938, Ph.D.(E.E.), 1941, University of Wisconsin. IRE Offices: Director, 1957-58. Committees: Awards, 1959; Nominations, 1958; Policy Advisory, 1958. Sections: Akron Subsection, chairman, 1948-49; Akron, chairman, 1949-50.

HEINTZ, Ralph M. (A'21—M'27—F'30)(L), Consulting Engineer; Owner, The Ramohs, P. O. Box 546, Los Gatos, Calif.

Born: April 20, 1892, St. Louis, Mo. A.B., 1920, Stanford University. Committees: Membership, 1938–40; New York Program, 1938; Papers Review, 1946; Sections, 1938–40. Sections: San Francisco, chairman, 1931–32. Awards: Fellow, American Institute of Electrical Engineers, 1945.

HEISING, Raymond A. (A'20-F'23)(L), Consulting Engineer and Patent Agent, 232 Oak Ridge Ave., Summit, N.J. Born: August 10, 1888, Albert Lea, Minn. E.E., 1912, University of North Dakota; M.S., 1914, University of Wisconsin; D.Sc., 1947, University of North Dakota. IRE Offices: l'resident, 1939; Treasurer, 1943-45; Manager, 1927-31; Director, 1933-35, 1939-41, 1943-45, 1947-49. Committees: Admissions, 1927-31, 1933, 1935-38, chairman, 1928-30, vice-chairman, 1931; Appointments, 1948; Constitution and Laws, 1930-34, 1941-59, chairman, 1943-44, 1951-53, 1954-57; Executive, vice-chairman, 1943-45; Investments, 1944-46, chairman, 1944-45; Meetings and Papers, 1926; Membership Solicitation Policy, 1945; New York Program, 1933, 1935-37; Nominations, 1933, chairman, 1941, 1950; Office Quarters, chairman, 1945-47; Planning, chairman, 1947; Policy Development, 1948-50; Preparedness, 1940-41; Professional Groups, 1948-59; Sections, 1941-52, chairman, 1941-45; Standardization, 1925-26. Awards: IRE Morris Liebmann Memorial Prize, 1921; Modern Pioneer Award, National Association of Manufacturers, 1940; Fellow, American Institute of Electrical Engineers; Fellow, American Physical Society; Armstrong Medal, 1953; IRE Founders Award, 1957.

HENDERSON, JOHN T. (A'28—SM'47—F'51), Principal Research Officer, National Research Council, Sussex St., Ottawa, Ont., Canada.

Born: December 9, 1905, Montreal, P.Q., Canada. B.S., 1927, M.S., 1928, McGill University; Ph.D., 1932, University of London. IRE Offices: Director, 1953–59; President, 1957. Committees: Appointments, 1954–57, chairman, 1959; Executive, 1958–59, chairman, 1957; Nominations, 1954, 1958, chairman, 1959; Policy Advisory, 1955–56, 1958, chairman, 1955, 1959; Professional Groups, 1954–59. Sections: Ottawa, vice-chairman, 1949, chairman, 1950. Awards: Member of the Order of the British Empire, 1943. Fellow, Royal Society of Canada, 1944.

HENNEY, Keith (A'18—M'26—SM'43—F'43), Consulting Editor, McGraw-Hill Publishing Company, Inc., 330 W. 42 St., New York, N.Y.

Born: October 28, 1896, McComb, Ohio. B.A., 1921, Western Reserve University; M.A., 1925, Harvard University. IRE Offices: Director, 1945–48. Committees: Annual Review, 1937–48; Awards, 1945–46, 1948–50, chairman, 1949; Editorial Board, 1958–59; Executive, 1946–47; History, 1954–59; Membership Solicitation Policy, 1945; New York Program, 1934, 1936–38, 1940–42, chairman, 1942; Nominations, 1950; Nuclear Studies, 1948–49; Planning, 1947; Policy Development, 1951; Publicity, 1937–39; Public Relations, 1943–50; Standards, 1945–49. IRE Representative: Advisory Committee on Industrial Information, Atomic Energy Commission, 1952–60; Joint IRE-RMA Co-ordination Committee, 1947–49, 1951.

HERBST, Philip J. (M'41—SM'43—F'53), 50 E. Oak Ave., Moorestown, N.J.

Born: January 24, 1903, Philadelphia, Pa. B.S. (Physics), 1925, St. Thomas College; M.S. (Physics), 1927, La Salle College. Committees: Editorial Reviewer, 1954-59; Radio Transmitters, 1952-58, chairman, 1953-55; Standards, 1953-56.

HERBSTREIT, Jack W. (A'40—SM'45—F'58), National Bureau of Standards, Boulder Laboratories, Boulder, Colo. Born: September 7, 1917, Cincinnati, Ohio. E.E., 1939, University of Cincinnati. Sections: Denver, vice-chairman, 1954–55; chairman, 1955–56. Professional Groups: Administrative Committee, Antennas and Propagation, 1956–58. chairman, 1958. IRE Representative: Colorado Engineering Council, 1956. Awards: Harry Diamond Memorial Award, 1959

HERGENROTHER, Rudolf C. (A'37—VA'39—SM'52—F'56), Manager of Beam Tube Research and Development Laboratory, Raytheon Manufacturing Company, Willow St., Waltham, Mass.

Born: September, 1903, Chemnitz, Germany, A.B., 1925, Cornell University; M.S., 1928, Pennsylvania State College; Ph.D., 1931, California Institute of Technology.

HEROLD, Edward W. (A'30—M'38—SM'43—F'48), Director, Electronic Research Laboratory, RCA Laboratories, Radio Corporation of America, Princeton, N.J.

Born: October 15, 1907, New York, N.Y. B.Sc., 1930, University of Virginia; M.Sc. 1942, Brooklyn Polytechnic Institute. IRE Offices: Director, 1956–58. Committees: Administrative Committee of the Board of Editors, 1951–53; Appointments, 1956; Board of Editors, 1946–53; Editorial Administrative, 1946–51; Editorial Board, 1956–59; Education 1957–59; Membership, 1942; Nominations, 1957; Papers, 1944–45; Policy Advisory, 1956–58; Winter Technical Meeting, 1945. Sections: Princeton, vice-chairman, 1948, chairman, 1949. IRE Representative: Joint AIEE-IRE Student Activities Co-ordination Committee, 1957.

HERSHBERGER, W. D. (A'37—SM'45—F'54), Professor of Engineering, University of California, Los Angeles 24, Calif. Born: May 10, 1903, Wellman, Iowa. A.B. (Math.), 1927, Goshen College; M.A. (Physics), 1930, George Washington University; Ph.D.(E.E.), 1937, University of Pennsylvania. Committees: Education, 1946; Subcommittee on Basic Wave Guide Symbols, 1947; Wave Propagation, 1957, 1959.

HERZOG, Edward F. (A'41—SM'48—F'59), Manager, Engineering, Heavy Military Electronics Department, General Electric Company, Syracuse, N.Y.

Born: March 26, 1907, Birmingham, Ala. B.S. (E.E.), 1929, Alabama Polytechnic Institute. Awards: Citation from Radio Technical Commission for Aeronautics, 1950; Charles A. Coffin Award from General Electric Co., 1956; Certificate of Commendation by U. S. Navy, Bureau of Ships, 1957.

HERZOG, Gerhard (SM'46—F'55), Assistant General Manager, Research and Technical Department, The Texas Company, P.O. Box 425, Bellaire, Tex. Consular Agent for Switzerland. Born: April 30, 1904, Zurich, Switzerland. M.M., 1926, Ph.D., 1926, Swiss Institute of Technology. Awards: Fellow, American Physical Society.

HESSEL, John (A'31—VA'39—SM'48—F'53), Chief, Electronics Section, NATO International Staff, U. S. Embassy, Paris, France.

Born: March 15, 1908, Grand Rapids, Mich. B.S. (E.E.), 1929, M.S. (E.E.), 1930, University of Michigan. Committees: Papers Procurement, 1948–50; Tellers, 1956–57. Professional Groups: Communication Systems Administrative Committee, chairman, 1953. Awards: Legion of Merit with Oak Leaf Cluster; Distinguished Alumnus Citation, University of Michigan, 1953.

HEWLETT, William R. (S'35—A'38—M'47—F'48), Executive Vice President, Hewlett-Packard Company, 275 Page Mill Rd., Palo Alto, Calif.

Born: May 20, 1913, Ann Arbor, Mich. A.B., 1934, Stanford University; M.S., 1936, Massachusetts Institute of Technology; E.E., 1939, Stanford University. IRE Offices: President, 1954; Director, 1950-57. Committees: Appointments, 1954-55, chairman, 1955; Constitution and Laws, 1956-59; Editorial Board, 1955; Editorial Reviewer, 1955; Executive, 1953-55, chairman, 1954; Finance, 1953-55; Papers Review, 1952-53; Nominations, 1950-56, chairman, 1956, 1958; Policy Advisory, chairman, 1952; Policy Development, 1950-51. Sections: San Francisco, vice-chairman, 1948-49, chairman, 1949-50.

HIGHT, Stuart C. (A'31—M'39—SM'43—F'55), Data Processing Panel, Advanced Research Projects Agency, Department of Defense, The Pentagon, Washington, D.C.

Born: July 28, 1906, Berkeley, Calif. B.S. (E.E.), 1930, University of California; M.A., 1934, Columbia University. Awards: Naval Ordnance Award, 1945.

HIGINBOTHAM, William A. (SM'53—F'59), Head, Instrumentation Division, Brookhaven National Laboratory. Upton. L.I., N.Y.

Born: October 25, 1910, Bridgeport, Conn. A.B., 1932, Williams College. Professional Groups: Member, Nuclear Science Administrative Committee, 1954–57, secretary-treasurer, 1954–55; vice-chairman, 1956–57; Member, Nuclear Science Planning Committee, 1957–59. IRE Representative: National Bureau of Standards, Technical Advisory Committee, 1959.

HILL, Albert G. (SM'46—F'50), Director of Research, W.S.E.G., Vice President and Director of Research, Institute for Defense Analyses. The Pentagon, Washington 25, D.C.; Professor of Physics, Massachusetts Institute of Technology, on leave. Born: January 11, 1910, St. Louis, Mo. B.S., 1930, M.S., 1934, Washington University; Ph.D., 1937, University of Rochester. Awards: Presidential Certificate of Merit, 1948; U.S.A.F. Distinguished Civilian Service Award, 1955; Yankee Post, American Ordnance Association, First Annual Distinguished Service Award, 1956; Meritorious Civilian Award of the Office of Secretary of Defense, 1959.

HILLIARD, John K. (A'25—M'29—SM'43—F'52), Vice President, Director of Advanced Engineering, Altec Lansing Corporation, 1515 S. Manchester Ave., Anaheim, Calif.

Born: October 22, 1901, Wyndmere, N.D. B.S., 1924, Hamline University; D.Sc. (Honorary) in E., University of Hollywood. Committees: Audio Techniques, 1950-54; Board of Editors, 1950-53; Editorial Reviewer, 1954-59; Professional Groups, 1952. Professional Groups: Audio, vice-chairman, 1951-53; Medical Electronics, Los Angeles Chapter, chairman, 1955-56. Sections: Los Angeles, chairman, 1933-34. Awards: Fellow, Acoustical Society of America; Fellow, Audio Engineering Society; Fellow, Society of Motion Pictures and Television Engineers.

HILLIER, James (SM'55—F'57), Vice President, RCA Laboratories, Radio Corporation of America, Princeton, N.J. Born: August 22, 1915. Brantford, Ont., Canada. B.A. (Math. and Physics), 1937, M.A. (Physics), 1938, Ph.D. (Physics), 1941, University of Toronto.

HINMAN, Wilbur S., Jr. (SM'46—F'57), Technical Director, Diamond Ordnance Fuze Laboratories, Ordnance Corps, U. S. Army, Connecticut Ave. at Van Ness St., N.W., Washington 25, D.C.

Born: March 14, 1906, Washington, D.C. Attended, 1922-23, George Washington University; B.S. (E.E.), 1926, Virginia Military Institute. Awards: Medal for Meritorious Service, Department of Commerce; Presidential Certificate of Merit, 1948; Merit Citation, National Civil Service League, 1955; IRE, Harry Diamond Memorial Award, 1956; Medal for Exceptional Civilian Service, U. S. Army, 1958.

HINNERS, Frank A. (IRE Charter Member) (A'12—M'15—F'26)(L), President, Hinners-Galanek Radio Corporation, (Manufacture Cavalier & Private Label Radios, Stereo Phonos), 66-02 Austin St., Forest Hills 74, L.I., N.Y.

Born: February 19, 1894, New York, N.Y. I.E.E., 1915, Pratt Institute. Committees: New York Program, 1941-42. Awards: Charter Member, Wireless Institute.

HIRSCH, Charles J. (M'39—SM'43—F'51), Executive Vice President, Hazeltine Research Corporation, 58-25 Little Neck Parkway, Little Neck, L.I., N.Y.

Born: October, 1902, Pittsburgh, Pa. A.B., 1923, Columbia College; E.E., 1925, Columbia University. Committees: Awards, 1956-58; Board of Editors, 1952-53; Editorial Reviewer, 1954-59; Navigation Aids, 1947-53, vice-chairman, 1950-52. Sections: Long Island Subsection, chairman, 1952. Awards: Certificate of Commendation, U. S. Navy, 1947.

HOBSON, Jesse E. (M'45—F'56), Vice President and Director of Research, United Fruit Company, 80 Federal St., Boston, Mass.

Born: May 2, 1911, Marshall, Ind. B.S.(E.E.), 1932, M.S.(E.E.),

1933, Purdue University; Ph.D., 1935, California Institute of Technology; D.Eng. (Honorary), 1957, Purdue University, Awards: Fellow, Tau Beta Pi Research, 1932–33; Fellow, Charles Coffin Foundation, 1933–34; Eta Kappa Nu, Outstanding Young Electrical Engineer, 1940.

HOEPPNER, Conrad H. (SM'47-F'58), Chief Scientist, Radiation, Inc., Melbourne, Fla.

Born: March, 1918, Spooner, Wis. B.Sc.(E.E.), 1939, M.Sc. (E.E.), 1940, E.E. (Professional), 1947, University of Wisconsin. Professional Groups: Telemetry and Remote Control, secretary, 1953–55; chairman, 1955–57. Committees: Professional groups, 1959. Awards: Fellow, Wisconsin Alumni Research, 1939–40; Fellow, Tau Beta Pi, 1940–41; Fellow, Massachusetts Institute of Technology, 1940–41.

HOGAN, John V. L. (IRE Founder and Charter Member) (A'12—M'12—F'15)(L), Founder and President, Hogan Laboratories, Inc., 155 Perry St., New York 14, N.Y.

Born: February 14, 1890, Philadelphia, Pa. D.Eng. (Honorary), 1957, Polytechnic Institute of Brooklyn. IRE Offices: President, 1920; Vice President, 1916-19; Manager, 1912-15, 1921-32; Director, 1916-20, 1932-36, 1948-50. Committees: Annual Review, 1927, 1947-51; Appointments, 1948; Awards, 1919, 1928, 1932-33, 1945, 1948, chairman, 1928; Broadcasting, 1929-38; Constitution and Laws, 1928-29, 1935-36, 1954-55, chairman, 1932-34; Constitutional Amendments, chairman, 1915; Editing, chairman, 1914; Facsimile, 1939-53, chairman, 1947-51; Finance, 1915; Financial Matters, 1915; Increase of Membership, 1916-19, chairman, 1916; Nominations, 1931, 1937-38, 1943-44, chairman, 1945; Papers, 1915-19, 1942-45; Papers Procurement, 1947; Papers Review, 1946; Policy Advisory, 1952; Policy Development, 1950-51; Professional Groups, 1950; Professional Recognition, 1947; Publicity, 1913-19, chairman, 1913, 1915, 1916-19; Radio Receivers, 1927-28; Revision of the Constitution, 1925-27, chairman, 1925; Sections, 1925; Specifications for Steamship Radio Equipment, 1914-15; Standardization, 1913, 1915-29, chairman, 1916-20, 1929-30; Standards, 1932-33, 1936-37, 1947-48, 1949-51; Use of the Transmission Unit, chairman 1928; Vacuum Tubes, chairman 1927-28. IRE Representative: ASA Sectional Committee on Electrical Installation on Shipboard, 1930, 1936; ASA Sectional Committee on Radio, 1930; ASA Sectional Committee on Radio Electrical Co-ordination, 1936, 1939-46; Joint Technical Advisory Committee, 1948-57. Awards: IRE Medal of Honor, 1956.

HOK, Gunnar (A'31—SM'46—F'57), Professor, Electrical Engineering, University of Michigan, Ann Arbor, Mich. Born: March 29, 1903, Eskilstuna, Sweden, E.E., 1926, Royal Institute of Technology, Stockholm. Committees: Editorial Reviewer, 1955–59, Papers Review, 1952–59.

HOLLAND, Lewis N. (A'27—M'32—SM'43—F'59), Professor of Electrical Engineering, University of Michigan, College of Engineering, Ann Arbor, Mich.

Born: December, 1900, Jackson, Mich. B.S.E. (E.E.), 1923, M.S. (E.E.), 1926, University of Michigan. Committees: Education, 1945-49; Standards, 1930-31. Sections: Detroit, chairman, 1930-32. IRE Representative: University of Michigan, 1941-54.

HOLLMANN, Hans E. (A'48—F'53), Vice President, Dresser Dynamics, Inc., Northridge, Calif.

Born: November 4, 1899, Solingen, Germany. Ph.D., 1928; Dr. Habil., 1933, Technical University, Berlin; Dr. h.c. 1957, Technical University, Dresden, Germany.

HOLMES, Lynn C. (M'44—SM'49—F'49), Director of Research, Stromberg-Carlson Company, A Division of General Dynamics, 1400 N. Goodman St., Rochester 9, N.Y.

Born: April, 1904, Brookfield, N.Y. E.E., 1925, M.E.E., 1932, Rensselaer Polytechnic Institute. Awards: Fellow, American Institute of Electrical Engineers.

HOLMES, Ralph S. (A'25-SM'45-F'52), Director, Project Pangloss, Radio Corporation of America, David Sarnoff Re-

search Center, RCA Laboratories, Princeton, N.J. Born: May 26, 1902, Murray, Neb. B.S., 1923, University of Nebraska. Committees: Radio Receivers, 1938–41. Awards: Modern Pioneer Award, National Association of Manufacturers, 1937.

HONNELL, Pierre M. (J'27—A'29—M'41—SM'43—F'58), Professor of Electrical Engineering, Washington University, St. Louis 5, Mo.

Born: January 28, 1908, Paris, France. B.S. (E.E.), 1930, Massachusetts Institute of Technology; E.E., 1938, The A. & M. College of Texas; M.Sc. (E.E.), 1939, Massachusetts Institute of Technology; M.Sc., 1940, California Institute of Technology; Ph.D. (Geophysics), 1950, St. Louis University. Awards: Legion of Merit, War Department, 1946; Marconi Premium, British Institution of Radio Engineers, 1957; Fellow, AAAS, 1957; Fellow, AIEE, 1958.

HORN, Charles W. (A'14—M'28—F'30), Partner and Manager, Radio Impulsora Mexicana, S.A.; Cia. Distribuidora Mercantil, S.A., Calle Rhin 33, Colonia Cuauhtemoc, Mexico City, D.F., Mexico.

Born: July 9, 1894, New York N.Y. IRE Offices: Director, 1933–34. Committees: Admissions, 1933–37, 1940–42; Broadcast, 1933–38; Broadcasting, 1928–33; Institute Sections, 1929–33, chairman, 1931–32; New York Program, 1932–34, chairman, 1933; Public Relations, 1945–46; Television and Facsimile, 1936–39. IRE Representative: National Advisory Council on Radio in Education, 1936, 1939–40; Committee on Engineering Developments, 1941–43.

HORN, Heinz (SM-57—F'59), Dr.-Ing. E.h., Felten & Guilleaume Carlswerk AG, Koln-Mulheim, Germany. Born: September 29, 1905, Koln, Germany. E.E., 1926, Staatliche Ingenieurschule, Koln, Germany.

HORNE, Charles F. (A'35—SM'53—F'58), Rear Admiral, Retired, Vice President and Division Manager of Convair-Pomona A Division of General Dynamics Corporation, P.O. Box 1011, Pomona, Calif.

Born: January 3, 1906, New York, N.Y. B.S., 1926, U. S. Naval Academy, Annapolis; M.Sc., 1935, Harvard University. Professional Groups: Engineering Management, Administrative Committee, 1956-58, chairman, 1956-57. Awards: International Region Medal, CAA.

HORNER, S. George L. (M'46—SM'50—F'57), Superintendent, Radio Division, Hudson Bay Company, Fur Trade Department, Hudson Bay Company Radio Laboratory, 487 Hay St., Winnipeg 13, Man., Canada.

Born: May 17, 1907, Limavady, County Derry, North Ireland. B.Sc.E., 1934, University of New Brunswick. Sections: Winnipeg Subsection, secretary-treasurer, 1948-49, vice-chairman, 1949-50, chairman, 1950-51.

HORTON, Arthur W., Jr. (SM'49—F'59), Technical Relations Manager, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: August 25, 1898, Philadelphia, Pa. A.B., 1920, E.E., 1922, Princeton University. Awards: Naval Ordnance Development Award, 1945.

HORTON, J. Warren (A'20—F'29) (L), Chief Consultant, United States Navy Underwater Sound Laboratory, New London, Conn.

Born: December 18, 1889, Ipswich, Mass. S.B., 1914, Sc.D., 1935, Massachusetts Institute of Technology. Committees: Awards, 1932; Board of Editors, 1930–31, 1935–40; Meetings and Papers, 1929–30, chairman, 1930; Membership, 1947–48; Standardization, 1929–31, chairman, 1931; Standards, chairman, 1932–33; Vacuum Tubes, 1929–30. IRE Representative: ASA Sectional Committee (C61) on Electric and Magnetic Magnitudes and Units, 1952–59; United States National Committee, Advisers on Symbols (International Electrotechnical Committee), 1936, 1939–51.

HOUCK, Harry W. (A'19—M'28—SM'43—F'57), Vice President, Thomas A. Edison Industries, McGraw-Edison Co., General Manager, Measurements Division; President and General Manager, Measurements Corporation of Canada, Ltd.; Vice President, Armstrong Memorial Research Foundation; Director, Sag Harbor Industries, Inc., Intervale Rd., Boonton, N.I.

Born: April 11, 1896, New Cumberland, Pa. Extension Course, 1931, Columbia University. IRE Offices: Manager, 1931-32; Director, 1932. Committees: Admissions, 1932; Constitution and Laws; History, 1954-59; Radio Receivers, 1928-29; Tellers, 1940; Professional Groups: Radio Club of New York, director, 1928, recording secretary, 1930-32, vice president, 1933, president, 1934. Awards: Armstrong Medal, Radio Club of America, 1941; Marconi Memorial Medal of Achievement, Veteran Wireless Operators Association, 1955.

HOWE, George W. O. (F'55), Professor, Lismore House, Kelvin Dr., Glasgow, Scotland.

Born: December 4, 1875, London, England. D.Sc., 1914, Durham University; D.Sc. (Honorary), 1914, Adelaide University (Australia); L.L.D. (Honorary), 1948, Glasgow University.

HOWES, Frederick S. (A'37-M'43-SM'43-F'50), Professor of Electrical Engineering and Director, Department University Extension, McGill University, Montreal, P.Q., Canada.

Born: July 25, 1896, Paris, Ont., Canada. B.S. (E.E.), 1924, M.Sc. (E.E.), 1926, McGill University; Ph.D. (E.E.), 1929, Imperial College, University of London. IRE Offices: Director, 1948. Committees: Awards, 1950-51; Education, 1945-46, 1951-56. Sections: Montreal, chairman, 1944-45; Canadian Council, chairman, 1947-48. IRE Representative: McGill University, 1941-58.

HUGGINS, William H. (S'39—A'44—SM'55—F'57), Professor of Electrical Engineering, The Johns Hopkins University, Baltimore, Md.

Born: January 11, 1919, Rupert, Idaho, B.S., 1941, M.S., 1942, Oregon State College; Sc.D., 1953, Massachusetts Institute of Technology. Committees: Circuits, 1949-59; Editorial Reviewer, 1951-53, 1954-57, 1959; Papers, 1951-53. Professional Groups: Circuit Theory, secretary, 1952-53; editor, 1954-57; vice-chairman, 1956-57; chairman, 1957-58. IRE Representative: The Johns Hopkins University, 1955-58. Awards: IRE Browder J. Thompson Memorial Prize, 1948; Air Force Decoration for Exceptional Civilian Service, 1954; National Electronics Conference Award, 1956.

HULL, David R. (A'36—F'47), Captain, United States Navy, Retired. Vice President, Raytheon Manufacturing Company, The Solar Building, Suite 601, 1000 16th St., Washington 6, D.C.

Born: October, 1903, Newton, N.J. B.S., 1925, United States Naval Academy; M.S., 1933, Harvard University. Committees: Awards, 1956-59; Electron Tubes, 1946-47; Electronics, 1943-46; Vacuum Tubes, 1945-46. Awards: Fellow, Acoustical Society of America; Legion of Merit; Navy Commendation Ribbon.

HULL, Lewis M. (J'17—A'19—M'27—F'28), Consultant, Boonton, N.J.

Born: February 27, 1898, Great Bend, Kan. A.B., 1917, A.M., 1918, University of Kansas; Ph.D., 1922, Harvard University. IRE Offices: President, 1933; Manager, 1929-32; Director, 1932-35. Committees: Admissions, 1927-28; Awards, 1935-37, chairman, 1935; Broadcasting, 1928-32, chairman, 1928-31; Meetings and Papers, 1928-30; New York Program, 1931; Nominations, 1928, 1931, 1934-35, chairman, 1934; Papers, 1931; Radio Receivers, 1927-28; Registration of Engineers, 1940; Use of the Transmission Unit, 1928-29. IRE Representative: ASA Sectional Committee on Radio, 1930; National Advisory Council on Radio in Education, 1936, 1939-40; National Advisory Council on Radio in Education, Committee on Engineering Developments, 1941-43; Radio Advisory Committee, Bureau of Standards, Department of Commerce, 1930, 1936.

HUNT, Frederick V. (A'28-M'41-SM'43-F'47), Rumford

Professor of Physics and Gordon McKay Professor of Applied Physics, 222 Lyman Laboratory, Harvard University, Cambridge 38, Mass.

Born: February 15, 1905, Barnesville, Ohio. B.A., 1924, B.E.E., 1925, Ohio State University; A.M., 1928, Ph.D., 1934, S.D. (Honorary), 1945, Harvard University. Committees: Audio Techniques, 1949–50; Electroacoustics, 1941–51; Papers, 1942–45; Papers Procurement, 1942–43, 1947–48; Papers Review, 1946–48; Regular Papers, 1941.

HUNTER, Theodore A. (A'29—M'45—SM'46—F'53), President, Hunter Manufacturing Company, 108 N. Linn St., Iowa City, Iowa; Research Professor at State University of Iowa. Born: December 5, 1900, Dike, Iowa. B.S. (E.E.), 1922, M.S. (Physics), 1923, M.S. (E.E.), 1931, State University of Iowa. IRE Offices: Director, 1948-50, 1956; Editor, Student Quarterly, 1954-59. Committees: Editorial Board, 1954-59; Education, 1954-59; Nominations, 1949-50, chairman, 1949; Papers Procurement 1945-50; Policy Advisory, 1948-53; Policy Development, 1948-51; Sections, 1950. Sections: Cedar Rapids, temporary chairman, 1945, chairman, 1946-47. Professional Groups: Education, Transactions Editor, 1958-59.

HUNTOON, Robert D. (A'40—SM'47—F'54), Deputy Director also Associate Director for Physics, National Bureau of Standards, Washington 25, D.C.

Born: July, 1909, Waterloo, Iowa. B.A., in Education, 1932, Iowa State Teachers College; M.S. (Experimental Physics), 1935; Ph.D. (Nuclear Physics), 1938, State University of Iowa. Awards: Naval Ordnance Development Award, 1945, U. S. Navy Bureau of Ordnance; Washington Academy of Sciences Award, 1948, in Physical Sciences; Presidential Certificate of Merit, 1948; Exceptional Service Award, Department of Commerce, 1949; Fellow, American Physical Society, 1955.

HUTCHESON, John A. (A'28—M'30—SM'43—F'48), Vice President, Engineering, Westinghouse Electric Corporation, Pittsburgh, Pa.

Born: January, 1905, Park River, N.D. B.S., 1926, D.Sc. (Honorary), 1943, University of North Dakota. IRE Offices: Director, 1948. Committees: Board of Editors, 1946-50; Nominations, 1948; Nuclear Studies, 1948-49; Policy Development, 1948. Sections: Connecticut Valley, chairman, 1935-36; Pittsburgh, chairman, 1945-46.

HUTTER, Rudolf, G. (SM'46—F'54), Chief Engineer, Special Tube Operations and Manager, Mountain View Components Laboratories, Sylvania Electric Products, Inc., Mountain View, Calif.

Born: February 12, 1910, Berlin, Germany. State Examination, 1936, University of Berlin; Ph.D., 1944, Stanford University. Committees: Board of Editors, 1953; Editorial Reviewer, 1954-59.

HYLAND, Lawrence A. (A'29—VA'39—SM'53—F'55), Vice President and General Manager, Hughes Aircraft Company, Florence Ave. at Teale St., Culver City, Calif.

Born: August 26, 1897, N.S., Canada, D.E. (Honorary), 1954, Lawrence Institute of Technology. Awards: Medal for Distinguished Public Service, U. S. Navy, 1950.

IAMS, Harley A. (A'31—M'38—SM'43—F'50), Associate Director, Research Laboratories, Hughes Aircraft Company, Florence Ave. at Teale St., Culver City, Calif.
Born: March 13, 1905, Lorentz, W.Va. B.A.(M.E.), 1927, Stanford University. Committees: Papers, 1941—45; Papers Review, 1946—47. Awards: Joint Award, Modern Pioneers, National Associate Director, Research

ISBISTER, Eric J. (A'39—SM'45—F'53), Chief Engineer, Surface Armament Division, Sperry Gyroscope Company, Division of the Sperry Rand Corporation, Great Neck, L.I., N.Y. Born: June 11, 1912, Brooklyn, N.Y. B.S. (E.E.), 1934, Massachusetts Institute of Technology; M.S. (E.E.), 1940, Polytechnic Institute of Brooklyn. Committees: Registration, 1952; Tellers.

sociation of Manufacturers, 1940.

1950-51, chairman, 1951. Sections: Long Island Sub-Section, chairman, 1947-49; New York, treasurer, 1951-52. Long Island Section Awards, chairman, 1954-55. Professional Groups: Military Electronics, nominating committee, 1956. Awards: U. S. Navy Certificate of Commendation, 1947; Polytechnic Institute of Brooklyn, Certificate of Distinction, 1956; New York Section Certificate of Appreciation, 1958.

ISRAEL, Dorman D. (A'23—M'30—F'42), Executive Vice President, Emerson Radio & Phonograph Corporation, 14 &

Coles Sts., Jersey City, N.J.
Born: July 21, 1900, Newport, Ky. E.E., 1923, University of Cincinnati. Committees: Administrative, 1949–51; Awards, 1943–44, 1947; Editorial Reviewer, 1954–59; Membership, 1941; National Convention, 1947; New York Program, 1940–41; Nominations, 1946; Papers, 1940–41; Papers Procurement, chairman, 1942–43, general chairman, 1944–47; Professional Groups, 1953–54; Public Relations, 1940–44; Radio Receivers, 1938–42; Regular Papers, chairman, 1941; Television and Facsimile, 1936–37; Winter Technical Meeting, 1946. Professional Groups: Broadcast and Television Receivers, chairman, 1951–53. Sections: Cincinnati, chairman, 1931–32. IRE Representative: Joint Technical Advisory Committee, 1952, chairman, 1955–56; IRE-RMA Coordination Committee, 1947–48.

JACKSON, William E. (A'29-M'34-SM'43-F'51), Chief, Electronics Division, Federal Aviation Agency, Technical Development Center, Weir Cook Airport, Indianapolis 21, Ind. Born: May 8, 1904, Bridgewater, Mass. B.S. (E.E.), 1925, Brown University. Committees: Antennas, 1944-47; Navigation Aniology, 1947-48; Radio Transmitters, 1946-47; Transmitters, 1944-45; Transmitters and Antennas, 1938-44. Awards: Citation for service on Radio Technical Commission for Aeronautics Special Committee, SC 31; Cull Prize in Engineering, Brown University, 1925.

JACKSON, Sir Willis (SM'48—F'50), Director, Research and Education, Metropolitan Vickers Electrical Company, Ltd., Trafford Park, 33 Grosvenor Pl., London, S.W.1, England. Born: October 20, 1904, Burnley, Lancashire, England. D.Sc., 1936, Manchester University; D.Phil., 1936, Oxford University; D.Sc. Tech. Zurich, 1955; D.Sc.(Eng.), 1956, Bristol. IRE Representative: IRE-IEE International Liaison Committees, 1955–59. Awards: Fellow, Royal Society, 1953.

JANES, Robert B. (A'37—M'50—SM'51—F'55), Manager, Industrial and Computer Development, Semi-conductor Division, Radio Corporation of America, Somerville, N.J.

Rorn: February 2, 1909, Burlington, Mass. B.S., 1928, Kenyon College; Ph.D., 1935, University of Wisconsin. Committees: Electron Devices, 1952–56; Electron Tubes and Solid Devices, 1950–52. Sections: Lancaster Subsection, chairman, 1955–56.

JANSKY, C. M., Jr. (A'18—M'25—F'28), Chairman of the Board, Jansky and Bailey, Inc., 1735 DeSales St., N.W., Washington 6, D.C.

Born: June 28, 1895, Delton, Mich. B.A., 1917, M.A., 1919, University of Wisconsin IRE Offices: President, 1934; Manager, 1929-32; Director, 1932-42. Committees: Admission, 1929-33, 1936-40, chairman, 1931, 1936-37; Awards, 1942; Board of Editors, 1942-50; Broadcast, 1935-37, chairman, 1937-38; Broadcasting, 1931-34; Constitution and Laws, 1932-35, 1941; Convention Policies, 1940; Education, 1944; Frequency Modulation, 1940-46; Membership, 1925-28, 1941-43; Nominations, 1936-42, 1945, chairman, 1937, 1939; Preparedness, 1940-41; Public Relations, 1945-46; Publicity, 1936; Radio Receivers, 1928-29; Sections, 1925; Standardization, 1928-32; Standards, 1932-33; Use of the Transmission Unit, 1928-29. IRE Representative: American Council on Education, Planning Committee, National Conference on Educational Broadcasting, 1936-37, 1939-43; American Documentation Institute, 1939-43; ASA Sectional Committee on Radio Electrical Co-ordination, 1926, 1939-46; First National Conference on Educational Broadcasting, 1937; URSI Executive Committee, 1936, 1939-50.

JARVIS, Kenneth W. (A'24—M'27—F'34), Principle Staff Engineer, Missiles and Electronics Division, Martin Co., Baltimore 3, Md.; President, Jarvis Electronics Corporation. Home: 1140 Cherry St., Winnetka, Ill.

Born: October 18, 1901, Mansfield, Ohio. B.E.E., 1923, Ohio State University. Committees: Radio Receivers and Parts, 1930-32; Receivers, 1947-58; Receiver Sets, 1927-28. Sections: Chicago, chairman, 1948-49.

JASIK, Henry (A'40—SM'47—F'58), Consulting Engineer, Jasik Laboratories, 100 Shames Dr., Westbury, L.I., N.Y. Born: March, 1919, New York, N.Y. B.S.(E.E.), 1938, Newark

Born: March, 1919, New York, N.Y. B.S. (E.E.), 1938, Newark College of Engineering; M.E.E., 1951, D.E.E., 1953, Polytechnic Institute of Brooklyn. Committees: Antennas and Waveguides 1950-59, vice-chairman, 1954, chairman, 1955-56; Papers Review, 1950-53; Standards, 1955-56. Professional Groups: Microwave Theory and Techniques Administrative Committee, 1954-55.

JENSEN, Axel G. (A'23—M'26—F'42), Retired from Bell Telephone Laboratories; Consulting Engineer in TV Communications, 21 Mea Dr., Berkeley Heights, N.J.

Born: February 7, 1896, Copenhagen, Denmark, E.E., 1920, Royal Technical College; Post Graduate, 1921-22, Columbia University. IRE Offices: Director, 1954-56. Committees: Appointments, 1954-55; Audio and Video Techniques, 1948-49; Editorial Reviewer, 1954-59; Executive, 1955-56; Instruments and Measurements, 1949-50; Policy Advisory, 1954-56; Standards, 1948-56, 1959, vice-chairman, 1950, chairman, 1951-54; Television, 1939-48, chairman, 1948-49; Television and Facsimile, 1938; vision Systems, 1949-59, vice-chairman, 1949, chairman, 1949-51. IRE Representative: ASA Electrical Standards Board, 1953-58; ASA Sectional Committee (C42) on Definitions of Electrical Terms, 1949-58; ASA Sectional Committee (C16) on Radio (sponsored by IRE), 1951-57, chairman, 1953-54, 1955-57; ASA Standards Council, 1951-54, alternate, 1955-56, 1959; International Radio Consultative Committee: Executive Committee of U. S. Delegation, 1952-58; International Radio Consultative Committee, U. S. Study Group XIV (Vocabulary), chairman, 1952-58; IRE-AIEE Committee on Noise Definitions, 1951-52; IRS Steering Committee, 1951; Joint IRE-ASA (C42) Definitions Coordinating Committee, 1949-51; Joint IRE-RTMA-SMPTE-NARTB Committee for Inter-Society Co-ordination, 1952-55; U. S. National Committee of the International Electrotechnical Commission, 1953-57, alternate, 1958.

JESTY, Leslie C. (M'54—F'56), In Charge Colour Television Research, Sylvania-Thorn Colour TV Laboratories, Ltd., Great Cambridge Road, Enfield, Middlesex, England.

Born: August, 1907, Alresford, England. B.Sc. (Physics), 1927, B.Sc. (General), 1928, University College, Southampton, England. Awards: Fellow, Television Society, 1946; Fellow, British Kinematograph Society, 1954.

JETT, Ewell K. (A'29—M'38—F'39), Vice President and Director of Television, Baltimore Sunpapers, Baltimore, Md.; formerly, Chief Engineer and Commissioner, Federal Communications Commission.

Born: March 20, 1893, Baltimore, Md. IRE Offices: Director, 1938. Committees: Public Relations, 1945-46. Sections: Washington, D.C., chairman, 1935-36.

JOHNSON, J. Kelly (A'25—M'35—SM'43—F'49), Consulting Engineer, 184 South Ave., New Canaan, Conn.

Born: January, 1903, Oskaloosa, Iowa. A.B., 1924, B.S., 1926, E.E., 1927, Columbia University. IRE Offices: Director, 1942. Committees: Board of Editors, 1946–53; Nominations, 1942; Papers Procurement, 1944–45; Radio Receivers, 1936–37, 1941–49, 1954–57, 1959; Receivers, 1950–53; Registration of Engineers, 1940–43; Regular Papers, 1941; Sections, 1943–44. Sections: Chicago, secretary, 1935–36, chairman, 1937–38; New York, treasurer, 1948–49.

JOHNSON, John B. (M'40—SM'43—F'51), Head, Physics Department, Edison Laboratory, Thomas A. Edison, Inc., West Orange, N.J.

Born: October 2, 1887, Gothenberg, Sweden, B.S., 1913, M.S., 1914, University of North Dakota; Ph.D., 1917, Yale University. Awards: Longstreth Medal, 1957.

JOLLIFFE, Charles B. (M'25—F'30), Vice President and Technical Director, Radio Corporation of America, Princeton and Camden, N.J.

Born: November 13, 1894, Mannington, W.Va. B.S., 1915, M.S., 1920. West Virginia University; Ph.D., 1922, Cornell University; LL.D., 1942, West Virginia University. IRE Offices: Director, 1936-37, 1944. Committees: Admissions, 1938; Awards, 1942; Bibliography, 1930-32; Broadcast, 1932-33, 1936-37; Frequency Modulation, 1940-41; Meetings and Papers, 1930; Nominations, 1937, 1941; Piezoelectric Crystals, 1940-41; Policy Development, 1948; Preparedness, 1940-41; Radio Receivers, 1927-28; Standardization, 1925-27, 1929-30, chairman, 1928; Television and Facsimile, 1936-39; Vacuum Tubes, 1927-28, chairman, 1928-29. Sections: Washington, D.C., chairman, 1929-30. IRE Representative: American Council on Education, Planning Committee, National Conference on Educational Broadcasting, 1936, 1939-43.

JORDAN, Edward C. (S'36—A'39—SM'45—F'53), Professor and Head of Department of Electrical Engineering, University of Illinois, Urbana, Ill.

Boin: December 31, 1910, Edmonton, Alta., Canada. B.S.(E.E.), 1934, M.S.(E.E.), University of Alberta; Ph.D.(E.E.), 1940, Ohio State University. Committees: Annual Review, 1949–51; Antennas, 1945–49; Antennas and Waveguides, 1949–52; Editorial Reviewer, 1954–59; Membership, 1950–51; Papers Review, 1951–53. Professional Groups: PGAP Awards Committee, chairman, 1958–60. Sections: Columbus Subsection, chairman, 1945. IRE Representative: Ohio State University, 1942–45; University of Illinois, 1946–50; National Bureau of Standards, Technical Advisory Committee, 1959.

JORDAN, John F. (A'40—M'45—SM'53—F'54), Vice President in charge of Manufacturing, The Baldwin Piano Company, 1801 Gilbert Ave., Cincinnati, Ohio.

Born: November 23. 1908, Pittston, Pa. E.E., 1932, University of Cincinnati. Committees: Awards, 1955-57; Sections, 1949-52, chairman, 1950-51. Sections: Cincinnati, secretary-treasurer, 1945-46, vice-chairman, 1946-47, chairman, 1947-48, 1951-52.

KAAR, Ira J. (J'22—M'29—F'41), Vice President and Engineering Director, Hoffman Electronics Corporation, Los Angeles, Calif.

Born: October 17, 1902, Dunsmuir, Calif. B.S.(E.E.), 1924, University of Utah. IRE Offices: Director, 1939, 1948. Committees: Admissions, 1940; Annual Review, 1940-46; Awards, 1947-48; Nominations, 1949-50; Public Relations, 1940, 1942; Standards, 1940-46; Television, 1939-48, chairman, 1940-47; Television Systems, 1949-58. IRE Representative: Joint Technical Advisory, 1950-56, chairman, 1950-52. Awards: Certificate of Commendation, U. S. Navy, 1947; Fellow, American Institute of Electrical Engineers, 1951, E.I.A. Engineering Award, 1957.

KALLMANN, Heinz E. (A'38—M'41—SM'43—F'59), Consulting Engineer, 417 Riverside Dr., New York 25, N.Y. Born: March 10, 1904, Berlin, Germany. Ph.D. (Physics), 1929, Goettingen University, Germany. Awards: U. S. (O.S.R.D.) Certificate of Appreciation by N.D.R.C., 1945.

KALMUS, Henry P. (A'39—SM'45—F'56), Chief, Advanced Research Laboratory, Associate Director, Diamond Ordnance Fuze Laboratories. Washington 25, D.C.

Born: January 9, 1906, Vienna, Austria. Dipl. Ing., 1930, Technical University, Vienna. Awards: Award for Exceptional Service, U. S. Department of Commerce, 1954; Certificate of Achievement, U. S. Army, 1954.

KANDOIAN, Armig G. (S'35—A'36—SM'44—F'51), Vice President, Communication Systems, International Telephone and Telegraph Laboratories, 500 Washington Ave., Nutley, N.J. Born: November 28, 1911, Van, Armenia. B.S., 1934, M.S., 1935, Harvard University. Committees: Papers Review, 1946-53. Sec-

tions: Northern New Jersey, vice president, 1958-59. Awards: Eta Kappa Nu, Honorable Mention, 1943.

KANTEBET, Shankar R. (A'25—M'31—SM'43—F'49), Director General, Retired. Overseas Communication Service, Eleventh Rd., Santa Cruz East, Bombay 25, India.

Born: December, 1900, Kanara, Bombay, India. B.A. (Honours), M.N.; Technical Scholar, 1922, Bombay University. IRE Offices: Vice President, 1953; Director, 1953. Awards: AMIEE, 1928; MIE (1), 1944; Marconi Veteran, 1951.

KARPLUS, Eduard (A'31—F'38), Engineer, General Radio Company, 22 Baker Ave., West Concord, Mass. Born: September 7, 1899, Moedling, Austria. Ingenieur, 1923, Technische Hochschule, Vienna, Austria.

KATZIN, Martin (J'27—A'29—M'42—SM'43—F'55), President, Electromagnetic Research Corporation, 711 14 St., N.W., Washington 5, D.C.

Born: February 17, 1908, New York, N.Y. B.S.E.(E.E.), 1928, B.S.E.(Math.), 1929, M.S.E.(E.E.), 1929, University of Michigan. Committees: Editorial Reviewer, 1954–59; Papers Procurement, 1946–50; Papers Review, 1948–; Wave Propagation, 1954–59. Awards: Presidential Certificate of Merit, 1948; Distinguished Alumnus Citation for Contributions to Engineering, University of Michigan, 1953; Navy Meritorious Civilian Service Award, 1955.

KEAR, Frank G. (A'24—M'31—SM'43—F'53), Consulting Radio Engineer, 1302 18 St., N.W., Washington 6, D.C.
Born: October 18, 1903, Minersville, Schuykill County, Pa. E.E., 1926, Lehigh University; S.M.(E.E.), 1928, Sc.D.(E.E.), 1933, Massachusetts Institute of Technology. Committees: Radio Transmitters and Antennas, 1929–31; Standards, 1934–35.

KEISTER, James E. (A'41—SM'46—F'57), Manager, Engineering, General Electric Company, Electronic Components Division, Semiconductor Products Department, Syracuse, N.Y. Born: July 11, 1914, Coburg, Iowa. B.S.(E.E.), 1935, Cornell University. Committees: Annual Review, 1949–50; Audio-Video Techniques, vice-chairman, 1948–49; Standards, 1949–51; Video Techniques, chairman, 1949–51, 1951–53. Awards: Navy "E," 1944; Navy Certificate of Commendation, 1947.

KELL, Ray D. (A'35—F'47), Fellow Technical Staff, RCA Laboratories Division, Radio Corporation of America, Princeton, N.J.

Born: June 7, 1904, Kell, Ill. B.S.(E.E.), 1926, University of Illinois. Committees: Editorial Reviewer, 1954-59; Television, 1941-42, 1946-49; Television Systems, 1949-59. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940; Stuart Ballantine Medal, Franklin Institute, 1948; David Sarnoff Gold Medal, SMPTE, 1954.

KELLY, Mervin J. (M'25-F'38), Retired President, Bell Telephone Laboratories, Inc.; Retired Chairman of the Board, Bell Telephone Laboratories, Inc.; Research Management Consultant, International Business Machines, Inc., and Bausch & Lomb Optical Company, 2 Windemere Ter., Short Hills, N.J. Born: February 14, 1894, Princeton, Mo. B.S., 1914, Missouri School of Mines and Metallurgy; M.S., 1915, University of Kentucky; Ph.D., 1918, University of Chicago; D.Eng., 1936, University of Missouri; D.Sc., 1946, University of Kentucky; LL.D., 1954, University of Pennsylvania; D. Eng., 1955, New York University; D.Eng., 1955, Polytechnic Institute of Brooklyn; D.Sc., 1957, University of Pittsburgh; D.Honoris Causa, 1957, University of Lyons; D.Eng., 1958, Wayne State University; 1959 Honor Award, Stevens Institute of Technology. Committee: Vacuum Tubes, 1927-31. IRE Repreentative: ASA Technical Committee, Vacuum Tubes, 1930. Awards: Air Force Association Trophy, 1953; Presidential Certificate of Merit; Industrial Research Institute Medal, 1954; Christopher Columbus International Communication Prize, 1955; Air Force Exceptional Service Award, 1957; James Forrestal Memorial Award, 1958; John Fritz Medal, 1959.

KENNEDY, Maurice E. (A'41-SM'47-F'56), Director and

Chief Engineer, Department of Communications, Los Angeles County, 234 N. Main St., Los Angeles 12, Calif.

Born: September 8, 1907, Galva, Ill. Committees: Professional Groups, 1955-58. Professional Groups: Administrative Committee, Vehicular Communications, 1954-60. IRE Representative: WESCON, vice-chairman, 1950; Technical Societies Council, 1947-48.

KETO, John E. (A'38—SM'46—F'48), Technical Director, Wright Air Development Center, Wright-Patterson Air Force

Base, Ohio.
Born: June 9, 1909, Maynard, Mass. E.E., 1932, M.S., 1935, University of Cincinnati. Committees: Awards, 1956-58; Wave Propagation, 1948-52. Professional Groups: Aeronautical and Navigational Electronics, chairman, 1951. Sections: Dayton, chairman, 1946-47. Awards: Presidential Medal of Merit, 1946.

KIEBERT, Martin V., Jr. (A'31—M'38—SM'43—F'59), Consulting Engineer, Electronic Research Corporation, 305 W. Foothill Blvd., Claremont, Calif.

Born: November, 1908, Wallace, Idaho. E.E., 1931, University of Idaho; Physics, 1934, Reed College. **Professional Groups:** Member, Radio Telemetry and Remote Control Administrative Committee, *chairman*, 1952–54. **Sections:** Orange Belt, Subsection, *chairman*, 1955–56. **Awards:** American Chemical Society, Idaho, 1928; Royal Aeronautical Society, 1947.

KILGORE, G. Ross (A'30—M'40—SM'43—F'57), Manager, Applied Research Department, Westinghouse Electric Corporation, P.O. Box 746, Baltimore 3, Md.

Born: January 31, 1907, Fremont, Neb. B.S.(E.E.), 1928, University of Nebraska; M.S.(E.E.), 1931, University of Pittsburgh. Committees: Electron Devices, 1952-54. Professional Groups: Electron Devices Administrative Committee, 1953, 1956-59, chairman, 1958-59.

KILLIAN, Thomas J. (A'47—SM'47—F'51), Deputy Chief and Chief Scientist, Office of Naval Research, Washington 25, D.C. Born: August 4, 1904. Schenectady, N.Y. B.S., M.S., 1926, Massachusetts Institute of Technology; M.A., 1927, Ph.D., 1929, Princeton University. Committees: Nuclear Studies, 1947–51. IRE Representative: Washingtan Chapter, program chairman, 1956–57. Awards: Regional Prize, AIEE, 1936.

KIMBALL, Charles N. (A'34—M'40—SM'43—F'52), President, Midwest Research Institute, Kansas City, Mo.

Born: April 21, 1911, Boston, Mass. B.E.E., 1931, Northeastern University; S.M., 1932, Sc.D., 1934, Harvard University; Eng.D. (Honorary), 1955, Northeastern University; Sc.D. (Honorary), 1958, Park College. Committees: Awards 1956-59; Mobile Communication Systems, 1950-56; Railroad and Vehicular Communication, 1945-50. Sections: Kansas City, vice-chairman, 1941-43.

KING, Donald D. (M'46—SM'57—F'59), Vice President, Research, Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

Born: August 7, 1919, Rochester, N.Y. A.B., 1942, A.M., 1944, Ph.D., 1946, Harvard University. **Professional Groups:** Antennas and Propagation Administrative Committee, 1954–57; Microwave Theory and Techniques Administrative Committee, 1952–57; Editor, *Transactions* on Microwave Theory and Techniques, 1959–.

KING, Ronold, W. P. (A'30—SM'43—F'53), Gordon McKay Professor of Applied Physics, Cruft Laboratory, Harvard University, Cambridge 38, Mass.

Born: September 19, 1905, Williamstown, Mass. B.A., 1927, M.S., 1929, University of Rochester; Ph.D., 1932, University of Wisconsin. Committees: Antennas, 1944-47; Papers Review, 1952-53; Transmitters, 1944-45; Transmitters and Antennas, 1942-44. IRE Representative: Harvard University, 1954.

KINN, Theodore P. (A'36—SM'45—F'59), President, Kinn Electronics Corporation, 4104 Pinkney Rd., Baltimore 15, Md.

Born: January, 1907, El Paso, Tex. B.S. (E.E.), 1928, Colorado University. Committees: Industrial Electronics, 1954–59; Papers Procurement, 1946. Professional Groups: Industrial Electronics Administrative Committee, 1950–59. IRE Representative: Joint IRE-AIEE-NEMA Coordination Committee on Induction and Dielectric Heating, 1947–50.

KLEEN, Werner J. (SM'50—F'57), Dr. Phil. Nat. Habil., Director, Electron Research Laboratory, Siemens and Halske, Balanstrasse 73, Munich 8, Germany.

Born: October 29, 1907, Hamburg, Germany. Dr.Phil.Nat., 1931, Dr.habil., 1940, University of Heidelberg. Committees: Electron Tubes, 1955-59. Awards: Medal of Svenska Teknologföreningen, Stockholm, 1950; Honorary Member Instituto Nacional de Electrónica, Madrid, 1952; Gauss-Weber Medal, University of Göttingen, 1955; Honorary Professor, Technische Hochschule, Munich, 1956.

KLOEFFLER, Royce G. (SM'46—F'53), Professor, Electrical Engineering, Kansas State College, Manhattan, Kan.; Engineer, National Security Agency, Washington, D.C.

Born: June 18, 1890, Armada, Mich. B.S.(E.E.), 1913, University of Michigan; S.M., 1930, Massachusetts Institute of Technology.

KNOBLAUGH, Armand F. (A'33—M'44—SM'54—F'58), Professor of Physics, University of Cincinnati.

Rorn: June 1903 Cincinnati Ohio RS (Eng.) 1925 M A

Born: June, 1903, Cincinnati, Ohio, B.S.(Eng.), 1925, M.A., 1927, Ph.D., 1929, University of Cincinnati.

KNOWLES, Hugh S. (A'25—F'41), Consulting Engineer; President and Director of Research, Industrial Research Products, 9400 Belmont Ave., Franklin Park, Ill.; President, Knowles Electronics.

Born: September 23, 1904, Hynes, Iowa. A.B., 1928, Columbia University. Committees: Annual Review, 1938–41; Board of Editors, 1945–53; Editorial Reviewer, 1954–55; Electroacoustics, 1936–41, 1946–47, 1953–55, chairman, 1938–42; Papers, 1941; Papers Procurement, 1942–43; Regular Papers, 1941; Standards, 1938–42; Symbols, 1940–41, 1943–48. Sections: Chicago, chairman, 1934–35. IRE Representative: ASA Sectional Committee (Z24) on Acoustical Measurement and Terminology, 1954–56.

KNOX, James B. (A'34—SM'46—F'51), RCA Victor Company, Ltd., 1001 Lenoir St., Montreal 30, P.Q., Canada. Born: November, 1910, Winnipeg, Man., Canada. Committees: Radio Transmitters, 1947–53.

KOCH, Winfield R. (A'28—SM'48—F'54), Engineer, RCA-Victor TV Division, Radio Corporation of America, Bldg. 101-2, Borton Landing Rd., Moorestown, N.J.

Born: December 23, 1903, Omaha, Neb. B.S. (E.E.), 1925, University of Minnesota. Committees: Receivers, 1951–59. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940.

KOCK, Winston E. (SM'45—F'52), Director & General Manager, Bendix Research Laboratories, Bendix Aviation Corp., P.O. Box 5115, Detroit 35, Mich.

Born: December 5, 1909, Cincinnati, Ohio, E.E., 1932, M.S. (Physics), 1933, University of Cincinnati; Ph.D., 1934, University of Berlin; D.Sc. (Honorary) 1952, University of Cincinnati. Committees: Administrative, 1956, Antennas, 1946–48, alternate, 1946–47, 1947–48; Antennas and Waveguides, 1950–51; Editorial Reviewer, 1953–59; Papers Review, 1951–53. Professional Groups: Audio, chairman, 1955; Administrative Committee, 1955. Awards: Outstanding Young Electrical Engineer, Eta Kappa Nu, 1938.

KOEHLER, Glenn (A'27—M'43—SM'43—F'56), Professor of Electrical Engineering, University of Wisconsin, Madison 6, Wis

Born: November 30, 1894, Van Wert, Ohio. B.S., 1918, University of Illinois; M.S., 1928, University of Wisconsin. Committees:

Education, 1946, 1951-56. IRE Representative: University of Wisconsin, 1941-59.

KOGA, Issac (SM'54—F'57), Dean, School of Engineering, Tokyo University, Bunkyo-ku, Tokyo, Japan.

Tokyo University, Bunkyo-ku, Tokyo, Japan.
Born: December, 1899, Tosu City, Saga Province, Japan, B.E., 1923, Ph.D. (Eng.), 1930, Tokyo University. Committees: Papers, chairman, 1956-57. Sections: Tokyo, vice-chairman, 1957-59; chairman, 1959. IRE Representative: URSI, vice president, 1957; Japanese National Committee, chairman, 1957; University of Tokyo, 1959. Awards: Asano Memorial Prize, 1934; Army Technical Prize, 1939; Japan Academy of Science Prize, 1948; Memorial Prize, Institute of Electrical Communication Engineers of Japan, 1950; Medal of Honor, Japanese National Government, 1956.

KOHL, Walter H. (A'35—M'39—SM'43—F'58), Senior Engineering Specialist, Sylvania Electric Products, Inc., Mountain View Components Laboratory, Mountain View, Calif.; Consultant, Stanford Research Institute, Menlo Park, Calif.; Lecturer, Electronics Laboratories, Stanford University, Stanford, Calif.

Born: January 22, 1905, Kitzingen, Bavaria, Germany, Dipl. Ing., 1928, Dr. Ing., 1930, Technische Hochschule, Dresden, Germany.

KOMPFNER, Rudolf (F'50), Director of Electronics and Radio Research, Bell Telephone Laboratories, Inc., Holmdel, N.J. Born: May 16, 1909, Vienna, Austria. Engineering Diploma, 1933, Technical College, Vienna; D.Phil., Oxford University. Committees: Editorial Reviewer, 1954–59. Professional Groups: Electron Devices Administrative Committee, 1955. Awards: Duddell Medal, Physical Society, London, 1955.

KORMAN, Nathaniel I. (S'38—A'39—SM'45—F'56), Director, Advanced Military Systems, Radio Corporation of America, Princeton, N.J.

Born: February 23, 1916, Providence, R.I. B.S. (E.E.), 1937, Worcester Polytechnic Institute; M.S. (E.E.), 1938, Massachusetts Institute of Technology; Ph.D. (E.E.), 1958, University of Pennsylvania. Awards: Charles A. Coffin Fellowship, 1937; Award of Merit, RCA, 1951.

KRAUS, John D. (A'32—M'43—SM'43—F'54), Professor, Electrical Engineering and Astronomy; Director, Radio Observatory, Ohio State University, Columbus 10, Ohio.

Born: June 28, 1910, Ann Arbor, Mich. B.S., 1930, M.S., 1931, Ph.D., 1933, University of Michigan. Committees: Board of Editors, 1940-52. Sections: Detroit, chairman, 1940.

KUPER, J. B. Horner (A'37—SM'45—F'54), Department Chairman, Brookhaven National Laboratory, Upton, L.I., N.Y. Born: November 5, 1909, New York, N.Y. B.A., 1930, Williams College; Ph.D., 1938, Princeton University. Committees: Board of Editors, 1947–53; Editorial Reviewer, 1954–59; Instruments and Measurements, 1949–50; Nuclear Studies, 1948–49. Professional Groups: Nuclear Science, Administrative Committee, 1949–54. Awards: Fellow, American Physical Society, 1950.

LACK, Frederick R. (A'20—F'37), Vice President, Western Electric Company, Inc., 120 Broadway, New York 5, N.Y. Born: July 18, 1895, Eastbourne, England. S.B., 1925, Harvard University. IRE Offices: Director, 1940, 1946–47. Committees: Appointments, 1948; Awards, 1941, 1948; Board of Editors, 1946; Electronics, 1936–41; Executive, 1947; Fiscal, 1947–48; National Convention, 1947; Nuclear Studies, 1948–49; Office Practices, 1947; Papers, 1942–45; Special Publication Fund, 1947; Tellers, 1940. IRE Representative: ASA Board of Directors, 1945–51; RMA-IRE Coordinating Committee, 1948.

LAFFERTY, James (M'46—SM'48—F'54), Manager, Physical Studies Section, General Electric Research Laboratory, The Knolls, Schenectady, N.Y.

Born: April 27, 1916, Battle Creek, Mich. B.S. (Engr. Physics). 1939; M.S. (Physics), 1940; Ph.D. (E.E.), 1946, University of Michigan.

LAMB, James J. (A'28—SM'48—F'54), Consulting Engineer, Rock Ridge Dr., South Norwalk, Conn.

Born: November 30, 1900, Michigan, N.D. B.S.(E.E.), 1922, Catholic University of America. Committees: High Frequency Receivers, 1929–30; Nomenclature, Symbols and Definitions, 1929–30; Papers Review, 1948–53; Radio Transmitters and Antennas, 1929–30; Symbols, 1929–30; Functional Symbols, 1958–59. Sections: Connecticut, Awards Committee, chairman, 1954–59; Fairfield County Subsection, vice-chairman, 1959. Awards: O.S.R.D. Certificate, 1944; Fellow, Radio Club of America, 1958.

LAMSON, Horatio W. (A'15—M'27—F'33)(L), Engineer, General Radio Company, 22 Baker Ave., West Concord, Mass.; Faculty Member, Northeastern University, Boston, Mass. Born: January 2, 1893, Somerville, Mass. S.B., 1915, Massachusetts Institute of Technology; A.M., 1917, Harvard University. Sections: Boston, chairman, 1937—39.

LANDON, Vernon D. (A'27—M'29—SM'43—F'51), Project Manager, RCA Astro Electronic Products, Princeton, N.J. Born: May, 1901, Denver, Colo. Attended Detroit Junior College, 1920. Committees: Frequency Modulation, 1941—47; Information Theory and Modulation Systems, 1952—56; Modulation Systems, 1947—52; Papers Review, 1947—52.

LANGLEY, Ralph H. (A'12—M'16—F'29)(L), Consulting Engineer, 18 Prescott Ave., Bronxville, N.Y.

Born: January 5, 1889, New York, N.Y. E.E., 1913, Columbia University, Assistant Secretary, 1913. Committees: Admissions, 1945; Awards, 1934; Bibliography, 1930–32; New York Program, 1934; Radio Receivers and Parts, 1930–31; Radio Telegraph and Receiver Terminology, chairman, 1924–25; Registration of Engineers, 1940–41; Sections, 1930–33, 1935; Standardization, 1924–28; Standards, 1934–35; Wave Length Regulation, 1916–17. Sections: Cincinnati, chairman, 1929–30.

LAPORT, Edmund A. (A'25—M'27—SM'43—F'53), Director of Communications Engineering, RCA Laboratories, Radio Corporation of America, Princeton, N.J.

Born: July 2, 1902, Nashua, N.11. Committees: Annual Review, 1946-47; Policy Development, 1948; Radio Transmitters, 1946-48, chairman, 1947-48; Standards, 1946-56. Sections: Montreal, chairman, 1940-43; NNJ, vice-chairman, 1955-56. IRE Representative: ASA Electrical Standards Committee, 1948-52; U. S. National Committee of the International Electrotechnical Commission, 1949-51.

LAU, Harold B. (SM'46—F'52), Research Engineer, RCA Laboratories Division, Princeton, N.J.

Born: September 7, 1911, Douds, Iowa. B.S., 1934, Kent State University; M.S., 1936, Ph.D., 1941, Ohio State University. Committees: Editorial Reviewer, 1954–59. Awards: Television Broadcasters' Association Award, 1946; IRE Vladimir K. Zworykin Television Prize, 1955.

LAW, Russell R. (A'34—M'40—SM'43—F'53), Director, Electronics Laboratory, Research Laboratories, Hughes Aircraft Company, Culver City, Calif.

Born: January 11, 1907, Hampton, Iowa. B.S., 1929, M.S., 1931, Iowa State College; D.S., 1933, Harvard Engineering School. Committees: Editorial Reviewer, 1954-59; National Convention, 1956; Solid State Devices, vice-chairman, 1956-57. Professional Groups: Electron Devices, vice-chairman, 1956, chairman, 1957.

LEARNED, Vincent R. (A'38—M'40—SM'47—F'55), Director of Research and Development, Electronic Tube Division, Sperry Gyroscope Company, Great Neck, L.I., N.Y. Born: January 21, 1917, San José, Calif. B.S. (E.E.), 1938, University of California; Ph.D., 1943, Stanford University. Committees: Editorial Reviewer, 1955—59; Electron Tubes, 1959; National Convention, 1954; Tellers, 1952—53, chairman, 1953. Sections: Long Island, chairman, 1953; Awards Committee, 1955—56, chairman, 1956—57.

LEDERER, Ernest A. (M'28—SM'43—F'55), Consulting Engineer, Fells Rd., Essex Fells, N.J.

Born: January 25, 1895, Prague, Austria. Ph.D., 1920, University of Vienna. Awards: Modern Pioneer Award, N.M.A., 1940.

LEE, Low K. (S'39-A'41-M'48-SM'51-F'59), Manager, Product Engineering, Space Technology Laboratories, Inc., P.O. Box 95001, Los Angeles 45, Calif.

Born: February 12, 1916, Oakland, Calif. B.S., 1937, M.S., 1939, University of California. Professional Groups: Member, Automatic Control Administrative Committee, 1954-55; Member, Component Parts Administrative Committee, 1953-59, vice-

chairman, 1956-57.

LEE, Reuben (A'32-SM'45-F'54), Consulting Engineer, Electronics Division, Westinghouse Electric Corporation, P.O. Box 1897, Baltimore 3, Md.

Born: November, 1902, Shirland, Derbyshire, England. B.S.

(E.E.), 1924, West Virginia University.

LEEDS, Laurance, M. (A'30-M'40-SM'43-F'57), Consulting Engineer, Technical Products Department, General Electric Company, Syracuse, N.Y.

Born: October, 1906, Tulsa Okla. B.S.(E.E.), 1934, Rutgers University. Committees: Television, 1940-47.

LEHDE, Pendleton E. (A'14-F'27)(L), President, Pendleton Terminal Corporation, 1050 Constance St., New Orleans, La.; President, Electron Equipment Company; President, Sunshine Buildings, Inc.

Born: October 2, 1892, New Orleans, La. B.E., 1914, M.E.E., 1926, Tulane University. Committees: Membership, 1927-29. Sec-

tions: New Orleans, chairman, 1928-33.

LEHOVEC, Kurt (SM'52-F'56), Director of Research, Sprague Electric Company, Marshall St., North Adams, Mass. Born: June 12, 1918, Ladowitz, Czechoslovakia. Ph.D., Prague University. Awards: Fellow, American Physical Society,

LEIFER, Meyer (A'46-M'48-SM'50-F'55), Manager, Special Tube Operations, Sylvania Electric Products, Inc., Mountain

View, Calif. Born: April 18, 1914, New York, N.Y. B.S., 1933, Brooklyn College; M.A., 1935, Columbia University. Committees: Papers Review, 1951-53. Sections: San Francisco, treasurer, 1955-56, vice-chairman, 1956-57, chairman, 1957-58.

LePAGE, Wilbur R. (SM'46-F'59), Chairman, Electrical Engineering Department, Syracuse University, Syracuse 10, N.Y. Born: November, 1911, Kearny, N.J. E.E., 1933, Cornell University; M.S., 1939, University of Rochester; Ph.D., 1941, Cornell University. Committees: Editorial Reviewer, 1954-59.

LEVERENZ, Humboldt W. (SM'54-F'56), Director of Research, RCA Laboratories, Princeton, N.J. Born: July 9, 1909, Chicago, Ill. B.A. (Chemistry), 1930, Stanford University. Awards: Frank P. Brown Medal, Franklin Institute, 1954.

LEWIS, George (A'12-M'15-SM'43-F'51)(L), Retired. Formerly Assistant Vice President, International Telephone and Telegraph Corporation, 67 Broad St., New York, N.Y. Born: September 15, 1887, Media, Pa. M.E.I., 1911, Bliss School of Applied Science. IRE Offices: Manager, 1918-19, 1923, 1926; Director, 1935. Committees: Admissions, 1929-30, 1942; Awards, 1935; Electronics, 1936-39; Facsimile, 1939-41; New York Program, 1935-36, chairman, 1935; Public Relations, 1947-48; Standardization, 1916-17, 1919-20, 1925-26, 1928-31; Symbols, 1940-41; Television, 1939-42; Vacuum Tubes, 1929-30.

LEWIS, Willard D. (A'44-SM'52-F'54), Director of Research, Communications Systems, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: January 6, 1915, Augusta, Ga. A.B. (Physics), 1935, Harvard University; B.A. (Math.), 1938, Oxford University; Ph.D. (Theoretical Physics), 1941, Harvard University. Committees:

Editorial Reviewer, 1955-59. Awards: Rhodes Scholarship, 1935; Naval Ordnance Development Award, United States Navy, 1946.

LIBBY, Tyng M. (A'14-M'16-SM'43-F'55), Telecommunications Consultant, 1322 Woodbine Way, Seattle 77, Wash. Born: August 9, 1899, Kingman, Kan. Sections: Seattle, secretary-treasurer, 1917, chairman, 1927. Awards: Bailey Medal, U. S. Navy, 1907.

LIDDEL, Urner (SM'49-F'55), Biophysicist, National Institutes of Health, Bethesda, Md.

Born: September 3, 1905, Butler, Mo. B.A., 1926, Central College; Ph.D., 1941, George Washington University. Committees: Awards, 1956-59, chairman, 1959; Nuclear Studies, 1948-49. Professional Groups: Medical Electronics, vice-chairman, 1957-58, chairman, 1958-59; Nuclear Science, vice-chairman, 1950-51, secretary, 1953-54. IRE Representative: ASME Glossary Review Board (Nuclear Physics), alternate, 1952; International Conference on Medical Electronics, 1959.

LINDENBLAD, Nils E. (M'34-SM'43-F'48), Research Engineer, RCA Laboratories Division, Princeton, N.J.

Born: October 30, 1895, Norrkoping, Sweden. M.E., 1915, Norrkoping Polytechnic Institute; E.E., 1919, Royal Institute of Technology, Stockholm. Committees: Antenna Subcommittee, 1940-41. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940; RCA Laboratories Award for Pioneering in Slot Antennas, 1947; War Department Citation for Patriotic Service in Position of Trust and Responsibility, 1947; RCA Laboratories Awards for Development of Thermoelectric Refrigerator, 1955; Advances in Electronic Cooling, 1956; Fellow, Technical Staff RCA Laboratories, 1959; David Sarnoff Outstanding Achievement Award in Science, 1959.

LINDER, Ernest G. (A'40-SM'49-F'55), Administrator, Electronic Research Laboratory, RCA Laboratories, Radio Corporation of America, Princeton, N.J. Born: May 16, 1902, Waltham, Mass. B.A., 1925, M.S., 1927. University of Iowa; Ph.D., 1931, Cornell University: Awards:

Fellow, American Physical Society.

LINDSAY, William W., Jr. (A'24-M'26-F'39), Research and Development Scientist, Operations Research Division, Lockheed Aircraft Corporation, Burbank, Calif.; Consulting Engineer, 230 S. Thurston Ave., Los Angeles 49, Calif.

Born: November 16, 1899, Overbrook, Pa. Privately educated, equivalent "Doktor Ingenieur" degree. Committees: Nominations, 1942; Transmitters, 1946. Sections: Los Angeles, secretary-treasurer, 1928-30, chairman, 1940-41.

*LIPPINCOTT, Donald K. (M'28-SM'43-F'59), Partner of Lippincott, Smith & Ralls, Patent Attorneys, 24 California St., San Francisco 11, Calif.

Born: December 3, 1889, Huntsville, Ala. B.S.(E.E.), 1913, University of California; San Francisco Law School; Hastings College of Law, Neb.; George Washington University, Washington, D.C. Committees: Board of Editors, 1946. Sections: San Francisco, first vice-chairman, chairman, 1929-30. Awards: Life Member, American Institute of Electrical Engineers.

LITTLE, Donald G. (A'20-M'27-F'29)(L), Retired. 408 Old Orchard Rd., Baltimore 29, Md.

Born: May 17, 1893, Kalamazoo, Mich. B.S.(E.E.), 1917, University of Michigan. Committees: Board of Editors, 1944-53; Meetings and Papers, 1928-29; Radio Transmitters and Antennas, 1929-30; Standardization, 1931-32; Standards, 1932-33; Transmitters and Antennas, 1936-39. Sections: Baltimore, chairman, 1951. Awards: Fellow, American Institute of Electrical Engi-

LITTON, Charles V. (A'25-SM'44-F'47), President, Litton Engineering Laboratories, P.O. Box 949, Grass Valley, Calif. Born: March 13, 1904, San Francisco, Calif. A.B., 1924, E.E.,

^{*} Deceased.

1925, Stanford University. Committees: Editorial Reviewer, 1954; Papers, 1945; Papers Review, 1946-53. Sections: San Francisco, chairman, 1932-33.

LLEWELLYN, Frederick B. (A'23—F'38), Assistant to President, Bell Telephone Laboratories, Inc., 463 West St., New York 14, N.Y.

Born: September 16, 1897, New Orleans, La. M.E., 1922, Stevens Institute of Technology; Ph.D., 1928, Columbia University. IRE Offices: President, 1946; Director, 1939-48. Committees: Administrative Committee of the Board of Editors, 1951-53; Awards, 1942, 1947-48, chairman, 1947; Awards Coordination, 1956-58; Board of Editors, 1949-53; Constitution and Laws, 1947, 1950; Editorial Administrative, 1946-53; Editorial Reviewer, 1954-59; Electronics, 1939-44; Executive, 1942-44, 1946, chairman, 1946; Finance, 1948-51; Fiscal, 1947-48; Investment, 1946; IRE-IEE International Liaison, 1947, 1949, 1958; Membership, 1941, 1949-50; Membership Solicitation Policy, 1945; Nominations, 1944, 1947-48; Office Quarters, 1947; Papers, 1932-46, vice-chairman, 1940-42, chairman, 1943-46; Policy Advisory, 1952-53; Policy Development, 1949-51, chairman, 1951; Professional Groups, 1948; Public Relations, 1950; Symbols, 1940-41. IRE Representative: ASA Electrical Standards Committee, 1948-55; National Research Council, Division of Engineering and Industrial Research, 1948-56; United States National Committee of the International Electrotechnical Commissions, 1949-54; IRE-IEE International Liaison Committee, 1947, 1949, 1955-59. Awards: IRE Morris Liebmann Memorial Prize, 1935.

LODGE, William B. (A'34—M'37—SM'43—F'49), Vice President, Affiliate Relations and Engineering, CBS Television Network, 485 Madison Ave., New York 22, N.Y.

Born: August 17, 1907, Whitemarsh, Pa. B.S., 1930, M.S., 1931, Massachusetts Institute of Technology. Committees: Annual Review, 1946-49; Antennas, 1944-45; Awards, 1946; Transmitters, 1944-45; Transmitters and Antennas, 1940-41; Winter Technical Meeting, 1946.

LOOMIS, Alfred L. (M'28—SM'43—F'44), President, Loomis Institute for Scientific Research, 14 Wall St., New York, N.Y. Born: November 4, 1887, New York, N.Y. A.B., 1909, Yale University; LL.B., 1912, Harvard University; D.Sc., 1932, Wesleyan University; M.Sc., 1933, Yale University; LL.D., 1941, University of California. Awards: John Price Wetherill Medal, The Franklin Institute, 1934.

LOUGHLIN, Bernard D. (A'40—M'45—SM'53—F'55), Electronic Research Consultant, Little Neck Rd., R.D. 5, Huntington, L.I., N.Y.

Born: May 19, 1917, New York, N.Y. B.E.E., 1939, E.E., 1945, Cooper Union Institute of Technology; M.S. (E.E.), 1946, Stevens Institute of Technology. Committees: Modulation Systems, 1947–49; Papers Review, 1948–50; Radio Receivers, 1948–51. Awards: IRE Vladimir K. Zworykin Television Prize, 1952; SMPTE David Sarnoff Gold Medal Award, 1955; PGBTR, 1957.

LOUGHREN, Arthur V. (A'24—M'29—SM'43—F'44), Vice President, Applied Research Division, Airborne Instruments Laboratory, Division of Cutler-Hammer, Inc., 160 Old Country Rd., Mineola, L.I., N.Y.

Born: September 15, 1902, Rensselaer, N.Y. B.A., 1923, E.E., 1925, Columbia University. IRE Offices: Director, 1952-55, 1957-58; President, 1956. Committees: Admissions, 1931-33; Appointments, 1956, chairman, 1957; Awards, 1949-55; Awards Coordination, 1955-57, chairman, 1957; Editorial Board, 1957; Editorial Reviewer. 1954; Executive, 1955-57, chairman, 1956; Finance, 1953, 1955-57; Membership, 1934; Nominations, 1957, chairman, 1958; Papers Procurement, 1947-50; Policy Advisory, 1953-54, chairman, 1954, 1958; Professional Groups, 1957; Radio Receivers, 1927-28; Standards, 1947-48; Television, 1940-46; Vacuum Tubes, 1927-28. IRE Representative: Joint Technical Advisory Committee, 1951-52, chairman, 1953-55. Awards: Fellow, Society of Motion Picture and Television Engineers; Fellow, American Institute of Electrical Engineers; U. S. Navy Certificate of Com-

mendation, 1947; SMPTE David Sarnoff Gold Medal Award, 1953; IRE Morris Liebmann Memorial Prize, 1955.

LUBCKE, Harry R. (A'26—M'32—SM'43—F'51), Consulting Engineer and Registered Patent Agent, 2443 Creston Way, Hollywood 28, Calif.

Born: August 25, 1905, Alameda, Calif. B.S., 1929, University of California. Committees: Building Fund, 1945; Papers Review, 1946–47. Awards: "Best Branch Paper" Award, Institute of Electrical Engineers, 1930; Academy of Television Arts and Sciences Award, 1951; Certificate of Commendation, U. S. Navy, World War II; Certificate, War Department (U. S. Army), World War II; Fellow, American Association for the Advancement of Science, 1958.

LUCK, David G. C. (M'46—SM'50—F'51), Aviation Staff Engineer, Radio Corporation of America, Camden, N.J. Born: July, 1906, Whittier, Calif. B.S., 1927, Ph.D., 1932, Massachusetts Institute of Technology.

LUSTED, Lee B. (A'45—SM'53—F'59), Assistant Professor of Radiology, University of Rochester School of Medicine, 260 Crittenden Blvd., Rochester 20, N.Y.

Born: May 22, 1922, Mason City, Iowa. B.A., 1943, Cornell College; M.D., 1950, Harvard Medical School. **Professional Groups:** Medical Electronics Administrative Committee, 1954-59, vice-chairman, 1955-57; chairman, 1957-59. Awards: Fellow, American Cancer Society, 1952.

LYONS, Harold (SM'50—F'58), Head, Atomic Physics Department, Research Laboratories, Hughes Aircraft Company, Culver City, Calif.

Born: February 16, 1913, Buffalo, N.Y. B.A. (Physics), 1933, University of Buffalo; M.A. (Physics), 1935, Ph.D. (Physics), 1939, University of Michigan. Committees: Joint AIEE-IRE Committee on High Frequency Measurements, vice-chairman, 1950. Awards: O.S.R.D.-N.D.R.C. Certificate of Effective Service, 1945; Arthur S. Fleming Government Award, 1949; First Prize, AIEE Prize Paper Competition, Washington, D.C., 1949; National Bureau of Standards Superior Accomplishment Award, 1949; U. S. Department of Commerce Gold Medal, 1949; Washington Academy of Sciences Award, 1952; University of Buffalo Citation, 1957; The Franklin Institute Certificate of Merit, 1958.

MacDONALD, J. Ross (S'44—A'48—SM'54—F'59), Director of Solid State Physics Research, Texas Instruments, Inc., 6000 Lemmon Ave.. Dallas 9. Tex.

Lemmon Ave., Dallas 9, Tex.
Born: February, 1923, Savannah, Ga. B.A. (Physics), 1944, Williams College; S.B.(E.E.), 1944, S.M.(E.E.), 1947, Massachusetts Institute of Technology; Ph.D. (Physics), 1950, Oxford University, England. Committees: Editorial Reviewer, 1954-59; Solid State Devices, 1956-58. Professional Groups: Electron Devices Committee, 1955-57; Audio Chapter's Committee: chairman, 1958-59. Awards: Fellow, American Physical Society, 1955; IRE Senior Paper Award, 1957.

MacDONALD, William A. (A'19—M'26—SM'43—F'53), Chairman and Director, Hazeltine Corporation, Little Neck, L.I., N.Y.

Born: December, 1895, New York, N.Y. Attended University of Paris, 1918-19. Committees: Radio Receivers and Parts, 1930-31; Standardization, 1930-31. Awards: Certificate of Merit, U. S. Government, 1947; Corporate Member, Institution of Engineers, Australia.

MacKINNON, Keith Abbott (SM'46—F'49), Consulting Engineer, P.O. Box 542, Ottawa, Ont., Canada.

Born: September, 1905, Kingston, Ont., Canada. B.Sc. (E.E.), 1926, B.Sc. (Physics), 1928, M.Sc. (Physics), 1929, Queens University. Committees: Antennas, 1946–49. Sections: Ottawa, chairman, 1947.

MALOFF, Ioury G. (M'27—F'36), Consulting Engineer, 100 Coolidge Ave., Collingswood, N.J. Born: June 3, 1899, Vladivostok, Russia. Committees: Bibliography, 1928; Papers Procurement, 1947-50; Receiving Sets, 1928; Standardization, 1928; Tellers, 1940.

MALTER, Louis (A'37—SM'45—F'52), Director of Research, Varian Associates, Palo Alto, Calif.

Born: April 28, 1907, New York, N.Y. B.S., 1926, College of the City of New York; M.A., 1931, Ph.D., 1936, Cornell University. Committees: Electron Tubes, 1947-48; Electron Tues and Solid State Devices, 1949-50; Papers Review, 1947-49. IRE Representative: Semiconductor Devices Research Conference, 1956-57, Chairman, 1957; Semiconductor Devices, 1957. Awards: Fellow, American Physical Society.

MANSON, Ray H. (M'23—F'50)(L), Retired. 373 Beresford Road, Rochester 10, N.Y.

Born: August 25, 1877, Bath, Me. B.S.(E.E.), 1898, E.E., 1901, D.Eng., 1933, University of Maine. IRE Offices: President, 1931; Manager, 1927-30; Director, 1931-33. Committees: Awards, 1932, 1940; Bibliography, 1930; Electro-Acoustic Devices, 1930; Nominations, 1929-30, 1932, 1934, 1940, chairman, 1932; Public Relations, 1940, 1947-48; Regular Papers, 1941; Standardization, 1926-31; Televisilon and Facsimile, 1936-39; Tellers, 1932-33. IRE Representative: ASA Electrical Standards Committee, 1936-39.

MARCUVITZ, Nathan (S'36—A'37—VA'39—M'55—SM'57—F'58), Professor, Polytechnic Institute of Brooklyn; Director, Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y.

Born: December 29, 1913, Brooklyn, N.Y. D.E.E., 1947, Polytechnic Institute of Brooklyn. Committees: Editorial Reviewer, 1954-59.

MARKS, William S., Jr. (A'44—SM'44—F'52), Asst. to Vice President, Research, Radiation, Inc., P.O. Box 6904, Orlando,

Born: March 18, 1900, Nashville, Tenn. B.S.(E.E.), 1929, Louisiana State University. Sections: Fort Huachuca, Ariz., Awards Committee, chairman, 1957-58; Central Florida, Awards Committee, chairman, 1959. Awards: Legion of Merit; Army Commendation Medal with Oak Leaf Cluster; Commendation for Meritorious Civilian Service, U. S. Army; Certificate of Achievement, Chief Signal Officer, U. S. Army.

MARRISON, Warren A. (M'28—SM'43—F'58), Member of Technical Staff, Space Technology Laboratories, Inc., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

Born: May, 1896, Inverary, Ont., Canada. B.Sc., 1920, Queen's University; M.A., 1921, Harvard University; D.Sc. (Honorary), 1953, Queen's University. Awards: Gold Medal of the British Horological Institute, 1947; The Tompion Gold Medal, The Worshipful Company of Clockmakers of The City of London, 1955.

MARSHALL, Charles J. (J'31—A'33—SM'45—F'55), Staff Electronic Engineer, Aerial Reconnaissance Laboratory, Wright Air Development Center, Wright-Patterson Air Force Base, Ohio. Born: March 27, 1912. San Antonio, Tex. B.S. (E.E.), 1939, E.E., 1946, University of Cincinnati. IRE Offices: Director, 1954-55. Committees: Nominations, 1955; Professional Groups, 1957. Sections: Dayton, secretary, 1948-50, vice-chairman, 1949-50, chairman, 1950-51; National Conference on Aeronautical Electronics, secretary, 1948-50, president, 1950-51, director, 1955-57.

MARSTEN, Jesse (J'17—A'18—M'25—SM'43—F'57), Senior Vice President, International Resistance Company, 401 N. Broad St., Philadelphia, Pa.

Born: January 1, 1897, Budapest, Hungary. B.S., 1917, College of the City of New York. Committees: Papers Procurement, 1945-46.

MARTIN, Daniel W. (M'50—SM'54—F'57), Assistant Chief Engineer, The Baldwin Piano Company, 1801 Gilbert Ave., Cincinnati, Ohio.

Born: November, 1918, Georgetown, Ky. A.B., 1937, Georgetown College; M.S., 1939, Ph.D., 1941, University of Illinols. Com-

mittees: Editor, IRE Transactions on Audio, 1953-55; Editorial, 1951-59. Sections: Cincinnati, secretary, 1952-53, vice-chairman, 1954-55, chairman, 1955-56. Professional Groups: Audio, chairman, 1956-57; PGA Administrative Committee, 1954-57; PGA Awards Committee, chairman, 1955. IRE Representative: ASA Sectional Committee (S1) on Acoustics, 1959. Awards: Fellow, Acoustical Society of America; PGA Senior Award, 1958; PGA Achievement Award, 1959.

MARVIN, Harry B. (M'31—SM'43—F'50), Retired. 485 Buckingham Ave., Syracuse 10, N.Y.

Born: August, 1894, Charleston, Pa. B.S.(E.E.), 1915, M.S. (E.E.), 1925, Union College. Committees: Admissions, 1940; Awards, 1940; Frequency Modulation, 1940–46; Papers, 1940; Papers Procurement, 1946–50.

MASON, Samuel J. (A'42—SM'52—F'59), Associate Professor of Electrical Engineering, Department of Electrical Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass.

Born: June 16, 1921, New York, N.Y. B.Sc., 1942, Rutgers University; S.M., 1947, Sc.D., 1952, Massachusetts Institute of Technology. Committees: Circuits, vice-chairman, 1953-55, 1956-60; Editorial Reviewer, 1954.

MASON, Warren P. (A'36—VA'39—F'41), Research Engineer, Bell Telephone Laboratories, Inc., Murray Hill, N.J. Born: September 28, 1900, Colorado Springs, Colo. B.S. (E.E.), 1921, University of Kansas; M.A., 1924, Ph.D., 1928, Columbia University. Committees: Editorial Reviewer, 1954-59; Papers Procurement, 1947-50; Papers Review, 1947-53; Piezoelectric and Feroelectric Crystals, 1940-49, vice-chairman, 1951-52, chairman, 1953-55; Standards, 1953-55.

MASSA, Frank (A'30—M'55—F'59), President, Massa Division of Cohu Electronics, Inc.; Vice President, Cohu Electronics, 5 Fottler Rd., Hingham, Mass.

Born: April 10, 1906, Boston, Mass. B.S., 1927, M.Sc., 1928, Massachusetts Institute of Technology. Committees: Awards, 1958; Handbook, 1945-58, Nominating, chairman, 1955-56, 1957-59. Professional Groups: Ultrasonics Engineering Administrative Committee, 1954-55. Awards: Fellow, Acoustical Society of America.

MATHES, Richard E. (J'22—A'24—SM'46—F'57), Manager, Engineering Services Division, Burroughs Research Center, Paoli, Pa.

Born: April, 1902, Minneapolis, Minn. B.S. (E.E.), 1924, University of Minnesota. Committees: Admissions, 1950-51; Facsimile, 1940-43, 1947-49; Papers Review, 1947-53.

MATHIEU, Gaston A. (F'58), Consultant, Industrial and Communication, Alldelphi & Elektro Spezial GmbH, Hamburg, Germany.

Born: July 1, 1889, Namur, Belgium. Awards: Chevalier de l'Ordre Leopold, Belgium; Commandateur de l'Ordre de St. Sylvestre, Vatican; Ufficiale della Corona d'Italia, Italy.

MAUCHLY, John W. (A'42—M'56—F'57), Director, Applications Research Center, Remington Rand Univac, 2300 W. Alleghany Ave., Philadelphia 29, Pa.

Born: August 30, 1907, Cincinnati, Ohio. Ph.D. (Physics), 1932, The Johns Hopkins University. Awards: Potts Medal, Franklin Institute, 1949.

MAYER, Harry F. (A'36—SM'47—F'56), Manager, Advanced Electronics Center, General Electric Company, Tompkins County Airport, Ithaca, N.Y.

Born: January 19, 1912, Indianapolis, Ind. B.S.(E.E.), 1932, M.S.(E.E.), 1933, Purdue University. Committees: Papers Review, 1946-51. Sections: Rome-Utica, vice-chairman, 1954-55, chairman, 1955-56. Awards: Certificate of Commendation, U. S. Navy, 1947.

McARTHUR, Elmer D. (M'42-SM'43-F'45), Manager, High-

Frequency Electronics Section, General Electric Research Laboratory, P.O. Box 1088, Schenectady, N.Y.

Born: May 3, 1903, Salamanca, N.Y. B.S.(E.E.), 1925, M.S. (Physics), 1948, Union College. Committees: Board of Editors, 1945-53; Editorial Reviewer, 1954-59; Fellow, 1958-59. Awards: U. S. Navy Certificate of Commendation, 1947; National Electronics Conference Annual Papers Award, 1954.

McCOY, David O. (A'46—SM'50—F'59), Assistant Director of Research and Development, Collins Radio Company, 5225 'C' Ave., N.E., Cedar Rapids, Iowa.

Born: March 18, 1911, LaPorte City, Iowa. B.S.(M.E.), 1934, M.S. (Physics), 1936, Ph.D. (Applied Physics), 1938, Iowa State College. Committees: Circuits, 1948-50; Editorial Reviewer, 1954-59. Sections: Cedar Rapids, vice-chairman, 1959. Awards: U. S. Navy Meritorious Civilian Service Award, by The Naval Research Laboratory, 1945.

McCOY, Rawley, D. (A'40—M'55—SM'57—F'59), Vice President, Engineering, Reeves Instrument Corporation, Roosevelt Field, Garden City, L.I., N.Y.

Born: December 21, 1914, Nutley, N.J. B.M.E., 1937, Stevens Institute of Technology.

McCULLOUGH, Jack A. (A'39—SM'52—F'53), Vice President and Treasurer, Eitel-McCullough, Inc., 301 Industrial Way, San Carlos, Calif.

Born: November 25, 1907, San Francisco, Calif. Awards: Civilian Distinguished Service Medal, U. S. Navy, 1950.

McCUTCHEN, Brunson S. (A'21—M'26—F'32)(L), 89 Olden Lane, Princeton, N.J.; Director, Applied Science Corporation of Princeton; Owner and President, Communication Measurements Laboratory, Inc.

Born: November 20, 1892, North Plainfield, N.J. Lit.B., 1915, E.E., 1917, Princeton University.

McELRATH, George (M'29—SM'43—F'56), Manager, Broadcast Central, National Broadcasting Company, 30 Rockefeller Plaza, New York 20, N.Y.

Born: January 23, 1899, Marlboro, N.Y. Committees: National Conventon, 1947-48.

McELROY, Paul K. (A'25—M'27—F'31), Engineering Consultant, General Radio Company, 22 Baker Ave., West Concord, Mass.

Born: August 7, 1899, Toledo, Ohio. A.B., 1920, A.M., 1921, Harvard University. Committees: Membership, 1940. Sections: Boston, secretary, 1939-41. Professional Groups: Reliability and Quality Control Administrative Committee, 1951-59; vice-chairman, 1955-58, chairman, 1958-59; Editor of Transactions, 1957-58, Component Parts Administrative Committee, 1957-59. IRE Representative: ASA Sectional Committee (C83) on Components for Electronic Equipment, 1954-59.

McFARLANE, Maynard D. (A'26—M'42—SM'43—F'56), Research Scientist, Robertshaw-Fulton Controls Company, Santa Ana Freeway & Euclid Ave., Anaheim, Calif.

Born: August 12, 1895, London, England. Awards: Fellow, American Institute of Electrical Engineers; Fellow, American Association for the Advancement of Science; Certificate of Appreciation, U. S. Armed Forces.

McILWAIN, Knox (A'31—M'40—SM'43—F'48), Manager, Special Products Division. Burroughs Research Center, Paoli, Pa. Born: September 4, 1897, Philadelphia, Pa. B.S., 1918, Princeton University; B.S.(E.E.), 1921, E.E., 1930, University of Pennsylvania. Committees: Administrative Committee of the Board of Editors, 1951–53; Admissions, 1944–45; Board of Editors, 1946–53; Circuits, 1944–45; Fditorial Administrative, 1949–53; Editorial Reviewer, 1954–59; Education, 1945; Electroacoustics, 1936–46; Electronics, 1936–39; Fellow, 1959–60; Handbooks, 1945–48; Papers, 1942–45; Standards, 1945–46. Sections: Philadelphia, chairman. 1935–36. IRE Representative: National Television Systems Committee. Panel 8, 1940–43.

McKINLEY, Donald W. R. (A'39—SM'46—F'48), Assistant Director, Radio and Electrical Engineering Division, National Research Council, Ottawa, Ont., Canada.

Born: September 22, 1912, Shanghai, China. B.A., 1934, M.A., 1935, Ph.D., 1938, University of Toronto. Committees: Fellow, 1959. Sections: Ottawa-Ontario, chairman, 1946-47. IRE Representative: Canadian National Committee for U.R.S.I., chairman, 1951-58. Awards: Fellow, American Physical Society; Fellow, Royal Society of Canada; Order of the British Empire.

McNALLY, James O. (J'24—A'26—SM'44—F'57), Assistant Director of Development, Electron Devices, Bell Telephone Laboratories, Inc., Mountain Ave., Murray Hill, N.J.

Born: July 1, 1903, Fredericton, N.B., Canada. B.S. (E.E.), 1924.

University of New Brunswick.

McRAE, James W. (A'37-F'47), Vice President, American Telephone & Telegraph Company, New York, N.Y.

Born: October 25, 1910, Vancouver, B.C., Canada. B.S. (E.E.), 1933, University of British Columbia; M.S., 1934, Ph.D., 1937, California Institute of Technology. IRE Offices: President, 1953; Director, 1950-56. Committees: Appointments, 1950, chairman, 1955; Awards, 1948-50; Board of Editors, 1946-52; Editorial Board, 1954; Executive, 1950-54, chairman, 1953; Finance, 1952 (ex officio, 1953), 1954; Nominations, 1954-57, chairman, 1955; Policy Development, 1948; Tellers, chairman, 1948. Sections: New York, chairman, 1948-50. Awards: Eta Kappa Nu, Honorable Mention, 1943; Legion of Merit, War Department, 1945.

MEACHAM, Larned A. (A'38—SM'45—F'48), Station Development Engineer, Bell Telephone Laboratories, Inc., 463 West St., New York 14, N.Y.

Born: September, 1908, Denver, Colo. B.S.(E.E.), 1929, University of Washington; Certificate of Research, 1930, Cambridge University. Committees: Board of Editors, 1946–52; Information Theory and Modulation Systems, 1952–58; Modulation Systems, 1949–52. Awards: Eta Kappa Nu, Outstanding Young Electrical Engineer, 1939.

MERTZ, Pierre (SM'44—F'50), Consultant, 66 Learnington St., Lido, Long Beach, L.I., N.Y.

Born: April, 1897, Paris, France. A.B., 1918, Ph.D., 1926, Cornell University. Committees: Editorial Reviewer, 1954-58; Facsimile, 1939-56, vice-chairman, 1957-58, chairman, 1958-59; Papers Procurement, 1945-50; Standards, 1959; Television Picture Element, 1954-59. Awards: Army-Navy Certificate of Appreciation, Department of Defense, 1948; Army Certificate of Appreciation, Technical Industrial Intelligence Committeee, Joint Chiefsof-Staff, 1951; Fellow, Society of Motion Picture and Television Engineers.

METCALF, George F. (A'34—M'38—F'42), Regional Vice President, Washington Defense Activities, General Electric Company, 777 14 St., N.W., Washington 5, D.C.

Born: December 7, 1906, Milwaukee, Wis. B.S. (E.E.), 1928, Ph.D. (Eng.), 1956, Purdue University. IRE Offices: Associate Editor, 1926–28. Committees: Board of Editors, 1946–53; Editorial Administrative, 1949–50; Electronics, 1936–42; Papers Review, chairman, 1949–53; Professional Groups, 1953; Tellers, 1948–49, chairman, 1949.

MIDDLETON, David (S'42—A'44—M'45—SM'53—F'59), Consultant, 23 Park Lane, Concord, Mass.

Born: April 19, 1920, New York, N.Y. A.B., 1942, Harvard College; M.A., 1945, Ph.D., 1947, Harvard University. Awards: Fellow, American Physical Society. 1950; National Electronic Conference Award, 1956.

MIEHER, Walter W. (A'40—M'44—SM'51—F'54), Engineering Manager, Electronic Countermeasures Division, Sperry Gyroscope Company, Great Neck, L.I., N.Y.

Born: October 30, 1916, St. Louis, Mo. B.S., 1938, Washington University. Committees: Antennas, 1947-49, alternate, 1947; Antennas and Wave Guides, 1947-50; Awards, 1957-58. Sections: Long Island, vice-chairman, 1952-53.

MIESSNER, Benjamin F. (A'37—F'37), President, Miessner Inventions, Inc., Van Buren Rd., Morristown, N.J.

Born: July 27, 1890, Huntingburg, Ind. Attended United States Naval Electrical School, 1908-09; Attended Purdue University, 1913-16.

MILLAR, Julian Z. (A'30—SM'45—F'56), Assistant Vice President, Development and Research, Western Union Telegraph Company, 60 Hudson St., New York 13, N.Y.

Born: July 3, 1901, Mattoon, Ill. B.S. (E.E.), 1924, University of Illinois. Committees: Annual Review, chairman, 1953-54; IRE Convention Technical Program, chairman, 1955; Standards, 1953-54; Tellers, 1951-52, chairman, 1952. Professional Groups: Communications Systems, chairman, 1954-55.

MILLER, Burton F. (J'24—A'26—SM'44—F'56), Vice President, Advanced Systems Planning, Thompson-Ramo-Wooldridge, Inc., 5500 W. El Segundo Blvd., Los Angeles 45, Calif. Born: July, 1905, Milwaukee, Wis. B.S.(E.E.), 1926, M.S. (Physics), 1927, Ph.D. (Physics), 1929, University of Wisconsin. Sections: Member, Los Angeles Section Award Committee, 1957–58, chairman, 1959. Awards: Two Technical Achievement Awards, Academy of Motion Picture Arts and Sciences, 1947.

MILLER, John H. (A'19—M'25—SM'43—F'50) (L), Retired. 205
Palmetto Lane, Harbor Bluffs, Largo, Fla.
Born: June 6, 1893, Oak Park, Ill. B.S. (E.E.), 1915, University of Illinois. Committees: Institute Sections, 1928; Sections, 1933–34, 1938–39, 1941–44, chairman, 1940. Sections: Chicago, chairman, 1927–29, secretary, 1929–30. IRE Representative: ASA Subcommittee (C42.6) on Electrical Instruments, 1948–51.

MILLER, John M. (A'17—F'20) (L), Retired, c/o Robert W. Miller, 6535 Abbington Dr., Washington 21, D.C. Born: June, 1882,, Hanover, Pa. B.A., 1904, M.A., 1907, Ph.D., 1915, Yale University. Awards: Distinguished Civilian Service Award, United States Navy, 1945; IRE Medal of Honor, 1953; Medal of Honor, Institute of Electrical Engineers, 1953.

MILLER, Stewart E. (M'46—SM'53—F'58), Director of Guided Wave Research, Bell Telephone Laboratories, Inc., P.O. Box 107, Red Bank, N.J.

Born: September 1, 1918, Milwaukee, Wis. B.S., 1941, M.Sc., 1941, Massachusetts Institute of Technology. Committees: Editorial Reviewer, 1954–59. Awards: U. S. Naval Ordnance Development Award, 1945.

MILLMAN, Jacob (A'41—SM'49—F'58), Professor of Electrical Engineering, Columbia University, 116 St. and Broadway, New York 27, N.Y.

Born: May 17, 1911, Russia. B.S., 1932, Ph.D., 1935, Massachusetts Institute of Technology. Awards: Fellow, American Physical Society, 1946.

MILLMAN, Sidney (A'48—SM'48—F'59), Director of Physical Research, Bell Telephone Laboratories, Inc., Murray Hill, N.J. Born: March 15, 1908, Minsk, Russia. B.S., 1931, City College of New York; A.M., 1932, Ph.D., 1935, Columbia University.

MIMNO, Harry R. (A'31—VA'39—M'55—F'58), Gordon McKay Professor of Applied Physics, Harvard University, Cambridge, Mass

Born: May 8, 1900, Chicago, Ill. E.E., Rensselaer Polytech, 1921; A.M., 1926, Ph.D., 1932, Harvard University. Committees: Annual Review, 1949-50; Editorial Reviewer, 1954-59; Fellow, 1959; Navigation Aids, 1946-49, vice-chairman, 1949-54, chairman, 1954-59; Papers, 1939-45; Papers Review, 1946-53; Radio Wave Propagation, 1942-46; Standards, 1954-59, Member-atlarge, 1957-58; Wave Propagation, 1927-42, 1956. Awards: Fellow, American Physical Society; Fellow, American Academy.

MINNIUM, Byron B. (A'25—SM'50—F'59), Vice President, Research and Engineering, Erie Resistor Corporation, 644 W. 12 St., Erie 6, Pa.

Born: November 11, 1896. Cairo, W.Va. E.E., 1922, University

of Cincinnati. Committees: Membership, 1935. Sections: Chicago Section, chairman, 1930-31; Chicago Convention, chairman, 1931. Awards: U. S. Navy Certificate of Commendation, 1947.

MINTON, John P. (F'39), Retired. 112 Wellesley Blvd., San Antonio, Tex., Research Adviser, Magnolia Petroleum Company, Field, Research Department, Dallas, Tex.; Research Associate, 1952-55. Department of Physics, University of California, Berkeley, Calif.

Born: November 7, 1889, Wapella, Ill. Engineering, 1910, Bradley University; B.S., 1912, Massachusetts Institute of Technology; Ph.D., 1921, University of Chicago; D.Sc. (Honorary) Bradley University, 1955. Committees: Electroacoustic Devices, 1927–28; Membership, 1941–43. Awards: Fellow in Physics, National Research Council, University of Chicago, 1921–22; Fellow, American Physical Society; Distinguished Alumni Award, Bradley University, 1953.

MITTELMANN, Eugene (A'38—SM'44—F'57), Consulting Engineer, 549 W. Washington, Chicago 6, Ill.

Born: May 29, 1903, Pressburg, Hungary. E.E., 1927, Vienna Institute of Technology; Ph.D., 1931, University of Vienna. Committees: Industrial Electronics, 1946–51, vice-chairman, 1951–58, chairman, 1958–59; Instrumentation and Control, chairman, 1955–58; Methods of Measurements, chairman, 1951–57; Standards, 1959. Professional Groups: Industrial Electronics, chairman, 1950–54; Administrative Committee, 1950–59. Awards: Special Award, American Congress of Physical Therapy, 1940.

MOE, Robert E. (S'33—A'35—SM'46—F'55), Manager of Engineering, Receiving Tubes Department, Electronic Components Division, General Electric Company, Owensboro, Ky.
Born: April 2, 1912. Appleton, Wis. B.S. (E.E.), 1933, University of Wisconsin. Committees: Papers Review, 1946–49. Sections: Connecticut Valley, secretary, 1943, chairman, 1944; Syracuse, secretary, 1947; Evansville, Owensboro, chairman, 1950. Awards: U. S. Navy Certificate of Commendation, 1947.

MOLLER, Rolf (SM'54—F'56), c/o Fernseh GmbH, Darmstadt, Germany.
Born: July 25, 1906, Altona, Germany, Dr. rer. nat., 1930, Ham-

burg University. Awards: President, Fernseh-Technische Gesellschaft, 1953.

MONTGOMERY, Alexander W. (M'31—SM'43—F'54), Director and Joint General Manager, Standard Telephones and Cables, Ltd., Connaught House, 63 Aldwych, London, W.C.2, England; Vice Chairman, Standard Telecommunication Laboratories, Ltd., Enfield, England; Director, International Marine Radio Co., Ltd., Croydon, England.

Born: December 14, 1896, Manchester, Lancashire, England. B.Sc., Tech., 1921, Manchester College of Technology. Awards: Order

of the British Empire, 1945.

MOORE, John R. (SM'52—F'58), Vice President and General Manager, Autonetics, a Division of North American Aviation, Inc., 9150 E. Imperial Highway, Downey, Calif. Born: July 5, 1916, St. Louis, Mo. B.Sc.(M.E.), 1937, Washing-

ton University.

MOORE, Robert C. (F'55), Section Engineer, TV Division, Philoo Corporation, Tioga & C Sts., Philadelphia 34, Pa. Born: January 3, 1912, Pontiac, Ill. B.S. (E.E.), 1933, University of North Dakota; M.S. (E.E.), 1934, Massachusetts Institute of Technology; B.A., 1936, Oxford University.

MORGAN, Howard K. (A'27—M'41—SM'43—F'57), Director of Commercial Aviation Systems, Bendix Aviation Corporation, Fisher Building, Detroit 2. Mich.

Born: February, 1906, New York, N.Y. B.S. (E.E.), 1929, University of California. Committees: Navigation Aids, 1947, 1950-51; Papers, 1941; Papers Procurement, 1942-43; Regular Papers, 1941. Sections: Kansas City, chairman, 1941-43. Awards: Radio Technical Commission for Aeronautics Citation.

MORRIS, Robert M. (A'26-M'42-SM'43-F'57), Radio Facilities Engineer, American Broadcasting Company, 7 W. 66 St., New York 23, N.Y.

Born: January 18, 1902, Washington, D.C. Committees: Frequency Modulation, 1941-42; Meetings and Papers, 1930; Membership, 1936; Papers Review, 1947-48; Standardization, 1929-30; Standards, 1938-41; Video Techniques, 1951-57. Awards: Exceptional Merit Medal, War Department, 1945.

MORRISON, John F. (A'29—M'36—SM'43—F'51), Technical Staff, Bell Telephone Laboratories, Inc., Morristown Rd., Whippany, N.J.

Born: March 14, 1906, Buffalo, N.Y. Committees: Annual Review, 1945-46; Antennas, 1944-45; Awards, 1951-54; Radio Transmitters, 1945-47, chairman, 1945-46; Standards, 1945-46; Transmitters, 1944-45; Transmitters and Antennas, 1938-44. Professional Groups: Aeronautical and Navigational Electronics, vice-chairman, 1955. Sections: Northern New Jersey Subsection, chairman, 1951.

MORTON, George A. (A'39-SM'46-F'51), Associate Director, Physical-Chemical Laboratory, RCA Laboratories, Radio Corporation of America, Princeton, N.J.

Born: March 24, 1903, New Hartford, N.Y. B.S., 1926, M.S., 1928, Ph.D., 1932, Massachusetts Institute of Technology. Committees: Measurements and Instrumentation, 1951-59; Nuclear Studies, 1948-49; Nuclear Techniques, 1955-59, chairman, 1955-58; Standards, 1955-59. IRE Representative: ASA Planning Committee on Nuclear Standards, 1955-58. Awards: Certificates of Commendation, Bureau of Ships, National Defense Research Council, United States Air Force; Overseas Premium Award, Institute of Electrical Engineers, 1937-38.

MORTON, Jack A. (A'36-SM'49-F'53), Vice President, Bell

Telephone Laboratories, Inc., Murray Hill, N.J.
Born: September 4, 1913, St. Louis, Mo. B.S., 1935, Wayne University; M.S., 1936, University of Michigan; D.Sc. (Honorary), 1954, Ohio State University; D.Sc. (Honorary), 1956, Wayne University. Committees: Electron Tubes, 1946-49; Electron Tubes and Solid State Devices, 1949-53; Electronics, 1943-46; Membership, 1943-44; Papers Review, 1953; Vacuum Tubes, 1945-46. Awards: Honorable Mention, Eta Kappa Nu, 1945; Alumni Award, Wayne University, 1951; University of Michigan Centennial Award, 1953.

MORTON, Paul L. (A'43-SM'45-F'55), Professor, Electrical Engineering Division, University of California, Berkeley 4,

Born: May 14, 1906, Silao, Guadalajara, Mexico. B.S.(E.E.), 1931, University of Washington; M.S.(E.E.), 1938, Massachusetts Institute of Technology; Ph.D., 1943, University of California.

MOSELEY, Francis L. (A'33-SM'47-F'57), President, F. L. Moseley Company, 409 N. Fair Oaks, Pasadena, Calif. Born: August 2, 1908, St. Paul, Minn. Committees: Navigation Aids, 1948-49; Papers Review, 1946-48, 1950-52. IRE Representative: ANTC, 1948. Sections: Dayton, vice-chairman 1943; Pasadena Subsection, vice-chairman, 1955. Awards: Flight Safety

MOUNTJOY, Garrard (A'37-M'40-SM'43-F'50), Assistant to the Executive Vice President, A.R. & T. Electronics, Inc., 5 St. & Cornish, North Little Rock, Ark.

Foundation Award, 1955.

Born: October 21, 1905, Boscobel, Wis. B.S., 1929, Washington University. Committees: Awards, 1956; Papers Review, 1953; Receivers, 1942-58; Television, 1945-48. Sections: Rochester. secretary, 1948-49, vice-chairman, 1950-51, chairman, 1952-53. IRE Representative: ASA War Standards Committee on Methods of Measuring Radio Noise, 1945-48. Awards: Modern Pioneer Award, National Association of Manufacturers.

MUELLER, Charles W. (S'35-A'36-SM'45-F'59), RCA Laboratories, Princeton, N.J.

Born: February 12, 1912, New Athens, III. B.S., 1934, Univer-

sity of Notre Dame; M.S., 1936, Sc.D., 1942, Massachusetts Institute of Technology. Committees: Semiconductor Devices, 1956-58; Solid State Devices, 1954-58. Sections: Princeton Subsection, chairman, 1946-47.

MULLIGAN, James H., Jr. (S'41-A'45-M'45-SM'54-F'59), Professor of Electrical Engineering, Chairman of Department, College of Engineering, New York University, University Heights, New York 53, N.Y.

Born: October, 1920, Jersey City, N.J. B.E.E., 1943, E.E., 1947, Cooper Union School of Engineering; M.S., 1945, Stevens Institute of Technology; Ph.D., 1948, Columbia University. Committees: Measurements and Instrumentation, vice-chairman, 1954-57; chairman, 1957-59; Tellers, 1953; Television Systems, 1948-54; Standards, 1957-59. Professional Groups: Circuit Theory, secretary-treasurer, 1956-59; Member, Circuit Theory Administrative Committee, 1958-61; Transistor and Solid State Circuits Conference, general chairman, 1958. Sections: New York, vicechairman, 1950-51, chairman, 1951-52. IRE Representative: ASA Sectional Committee (C39) on Electrical Measuring Instruments, 1957-59.

MUMFORD, William W. (A'30-SM'46-F'52), Member Technical Staff, Bell Telephone Laboratories, Inc., Whippany, N.J. Born: June 17, 1905, Vancouver, Wash. B.A., 1930, Willamette University. Committees: National Convention Program, 1950-57; Professional Groups, 1956. Professional Groups: Microwave Theory and Technique, Administrative Committee, secretary, 1952, vice-chairman, 1953, chairman, 1954. Awards: Burghart Prize, 1926, Willamette University.

MURRAY, Albert F. (A'20-M'26-F'38), Consulting Electronic and Television Engineer, 4900 Hillbrook Lane, N.W., Wash-

Born: June 22, 1894, Decatur, Ala. B.A., 1915, Maryville College; B.S., 1918, Harvard University; S.B., 1918, Massachusetts Institute of Technology; D.Sc., 1939, Maryville College. IRE Offices: Director, 1936-39. Committees: Awards, 1936; Electronics, 1937-41; Institute Sections, 1929-30, 1936; Membership, 1929-39; Papers, 1934-45; Papers Procurement, 1947-50; Papers Review, 1946-53; Television, 1939-46; Television and Facsimile, 1936-39; Television Systems, 1949-59. Sections: Philadelphia, chairman, 1937-38.

NERGAARD, Leon S. (A'29-M'38-SM'43-F'32), Associate Director, Electronic Research Laboratory, RCA Laboratories Division, Princeton 5, N.J.

Born: September 2, 1905, Battle Lake, Minn. B.S.(E.E.), 1927, University of Minnesota; M.S. (E.E., 1930, Union College; Ph.D. (Physics), 1935, University of Minnesota. Committees: Annual Review, 1948-50; Electron Devices, 1952-55; Electron Tubes, 1946-48, vice-chairman, 1948; Electron Tubes and Solid State Devices, chairman, 1949-51; Electronics, 1940-45; Measurement and Instrumentation, 1952; Standards, 1949-51; Vacuum Tubes, 1945-46. Professional Groups: Electron Devices, 1953-55, vice-chairman, 1953, chairman, 1953-54. IRE Representative: ASA Sectional Committee (C60) on Standardization of Electron Tubes, 1949-56; ASA Subcommittee (C42.14) on Electron Tubes,

NEWHOUSE, Russell C. (A'30-M'39-SM'43-F'56), Director of Missile Systems Development, Bell Telephone Laboratories, Inc., Whippany Rd., Whippany, N.J.

Born: December 17, 1906, Clyde, Ohio. B.E.E., 1929, M.Sc. (E.E.), 1930, Ohio State University. Professional Groups: Aeronautical and Navigational Electronics, secretary-treasurer, 1956, vice-president, 1957. Awards: Guggenheim Fellowship, Ohio State University, 1929; Lawrence Sperry Award, Institute of the Aeronautical Sciences, 1938.

NICHOLS, Williams A. (A'29-M'42-SM'43-F'55), Assistant Chief Engineer, Canadian Broadcasting Corporation, 5253 Decarie Blvd., Montreal, P.Q., Canada.

Born: November 14, 1903, Toronto, Ont., Canada, B.A.Sc., 1928, University of Toronto. Committees: Membership, 1940. Sections: Montreal, secretary, 1939-42.

NIWA, Yasujiro (A'53—F'54), President, Tokyo Electrical Enginnering College, 2, 2-chome, Kanda-Nishikicho, Chiyoda-Ku,

Tokyo, Japan.

Born: April 1, 1893, Matsusaka, Miye Prefecture, Japan. Doctor of Engineering, 1926, Tokyo University. IRE Offices: Vice President, 1957; Director, 1957. Sections: Tokyo, vice-chairman, 1955-56, chairman, 1957-. Awards: Asano Prize from the Institute of Electrical Engineers of Japan, 1929; Imperial Prize from Japan Society of Invention, 1932; Imperial Prize from Japan Academy, 1937; Order of Rising Sun, Japanese Government, 1940; Medal of Merits from the Institute of Communication Engineers of Japan, 1942; President, the Institute of Communication Engineers of Japan, 1942-43; President, Japan Radio Society, 1943-44; President, Institute of Electrical Engineers of Japan, 1950-51; President, Television Society of Japan 1954-56; Medal of Cultural Merits, Japan Broadcasting Association, 1956; President, Acoustical Society of Japan. 1957.

NOBLE, Daniel E. (A'25—SM'44—F'47), Director and Executive Vice President in Charge of Industrial, Semiconductor and Military Electronic Divisions of Motorola, Inc., 4545 Augusta

Blvd., Chicago, Ill.

University.

Born: October 4, 1901, Naugatuck, Conn. B.S., 1929, University of Connecticut. D.Sc. (Honorary), 1957, Arizona State College. IRE Offices: Director, 1957-59. Committees: Annual Review, 1941-43, 1946-47; Appointments, 1958; Frequency Modulation, chairman, 1940-43; Mobile Communication Systems, 1950-56; Nominations, 1958; Papers Procurement, 1942-43, 1947, 1949-50; Policy Advisory, 1958-59; Railroad and Vehicular Communication, 1945-47, 1949-50, chairman, 1945-48; Regular Papers, 1941; Standards, 1940-43, 1946-47. Sections: Connecticut Valley, chairman, 1938.

NOBLE, Harrell V. (A'34—M'35—SM'43—F'58), Technical Director, Electronic Components Laboratory, Wright Air Development Center, Air Research and Development Command, USAF, Wright-Patterson Air Force Base, Ohio.

Born: April, 1907: Noblesville, Ind. B.S.(E.E.), 1929, Purdue

NOIZEUX, Pedro J. (A'30—F'47), Assistant General Manager, Transradio Internacional, Compania Argentina de Telecommunicaciones, San Martin, 379, Buenos Aires 4, Argentina. Born: 1900, France. Sections: Buenos Aires, Founder, 1939, chairman, 1941-42.

NORTH, Dwight O. (A'35—M'38—SM'43—F'43), Fellow, Technical Staff, RCA Laboratories Division, Radio Corporation of America, Princeton, N.J.

Born: September 28, 1909, Hartford, Conn. B.S., 1930, Wesleyan University; Ph.D., 1933, California Institute of Technology. Committees: Awards, 1948; Board of Editors, 1946-53; Editorial Reviewer, 1954-Papers, 1944-45.

NORTH, Harper Q. (A'51—SM'51—F'57), President, Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif

Born: January 24, 1917, Los Angeles, Calif. B.S., 1938, California Institute of Technology; M.S., 1940, Ph.D., 1947, University of California at Los Angeles. Committees: Editorial Reviewer, 1954-59. Professional Groups: Electron Devices, treasurer, 1952-53. IRE Representative: Electron Devices, Pacific Coast IRE Convention, Long Beach, program chairman, 1952; Electron Devices, Los Angeles Chapter, organizer and chairman, 1952; Technical Papers Committee, Electron Devices, WESCON, Los Angeles, chairman, 1954; Session on Solid State Devices, WESCON, San Francisco, chairman, 1955; Papers Study and Procurement, Electron Devices, co-chairman, 1955-56; New York IRE, National Convention, Transistor Session, chairman, 1955. Awards: Fellow, American Physical Society.

NORTON, Kenneth A. (A'29—M'38—SM'43—F'43), Chief Radio Propagation Engineering Division, Central Radio Propagation Laboratory, National Bureau of Standards, Boulder, Colo.

Born: February 27, 1907, Rockwell City, Iowa, B.S., 1928, University of Chicago. Committees: Administrative Committee of the Board of Editors, 1951–53; Awards, 1957–59; Board of Editors, 1951–53; Editorial Administrative, alternate, 1949–50, 1951; Editorial Reviewer, 1955–59; Fellow, 1958; Navigation Aids, 1950–54; Papers Procurement, 1949–50; Papers Review, 1946–51; Radio Wave Propagation, 1942–46; Radio Wave Propagation and Utilization, 1947–49; Wave Propagation, 1937–42, 1949–55. Awards: Stuart Ballantine Medal of the Franklin Institute, 1954; Fellow, American Physical Society; Fellow, American Association for the Advancement of Science; Fellow, American Institute of Electrical Engineers.

NOTTINGHAM, Wayne B. (A'37—SM'46—F'56), Professor of Physics, Massachusetts Institute of Technology, Cambridge 39, Mass.

Born: April, 1899, Tipton, Ind. B.S. (E.E.), 1920, M.A., 1926, Princeton University; E.E., 1929, Purdue University; Ph.D. 1929, Princeton University. Committees: Editorial Reviewer, 1954-58; Professional Groups, 1948. Awards: Louis E. Levy Medal, Franklin Institute, 1932.

NYQUIST, Harry (A'39—SM'47—F'52), Retired, as Assistant Director of Systems Studies, Bell Telephone Laboratories, Inc., 463 West St., New York 14, N.Y.

Born: February 7, 1889, Nilsby, Sweden. B.S. (E.E.), 1914, M.S., 1915, University of North Dakota; Ph.D., 1917, Yale University.

O'CONNELL, James D. (SM'53—F'57), Lieutenant General, U. S. Army, Chief Signal Officer, Department of the Army, Office of the Chief Signal Officer, Room 2 E 254, The Pentagon, Washington 25, D.C.

Born: September 25, 1899, Chicago, Ill. B.S., 1922, U. S. Military Academy; M.S., 1930, Yale University. Awards: Poor

Richard Club, Silver Medal, 1956; Legion of Merit.

ODARENKO, Todos M. (SM'45—F'59), Scientific Consultant, U. S. Government, 2430 E St., N.W., Washington 25, D.C. Born: January 28, 1900, Poltave, Ukraine, Russia. 1919-21, University of Kamenetz, Podolsk, Ukraine; E.E.-Postgraduate, 1921-28, Polytechnical Institute, Prague, Czechoslovakia. Committees: Papers Procurement, 1947-50. Awards: Distinguished Civilian Service Award, U. S. Navy, 1945.

OHL, Russell S. (A'24—M'25—SM'43—F'55) Retired from Bell Telephone Laboratories, Inc., P.O. Box 306, Cambria, Calif.

Born: January 31, 1898, Macungie, Pa. B.S. in Ech.E., 1918, Penn State University; Post Graduate, University of Maryland, 1918; Post Graduate, University of Colorado, 1921–22.

OLIVE, Gordon W. (A'29—VA'39—F'51), Retired. R.R. #2, Gananoque. Ont., Canada; Formerly Director General of Engineering, Canadian Broadcasting Corporation.

Born: March 18, 1898, Montreal, P.Q., Canada. Attended McGill University, 1919-22. Committees: Frequency Modulation, 1946-47; Modulation Systems, 1947-48.

OLIVER, Bernard M. (A'40—M'46—SM'53—F'54), Vice President, Research & Development, Hewlett-Packard Company, 275
Page Mill Rd., Palo Alto, Calif.

Born: May, 1916, Santa Cruz, Calif. B.S., 1935, Stanford University; M.S., 1936, Ph.D., 1940, California Institute of Technology. IRE Offices: Director, 1959-61. Committees: Appointments, 1959; Editorial Reviewer, 1954-59; Nominations, 1959. Sections: San Francisco, treasurer, 1953-54, vice-chairman, 1954-55, chairman, 1955-56. IRE Representative: Joint IRE-AIEE Committee on High Frequency Measurements, 1955-56; WESCON Board of Directors, 1956; Executive Committee, chairman, WESCON Director-at-Large, 1959.

OLSON, Harry F. (A'37—VA'39—SM'48—F'49), Director, Acoustical Laboratory, RCA Laboratories Division, Radio Corporation of America, Princeton, N.J. Born: December, 1902, Mount Pleasant, Iowa. B.E., 1924, M.S.,

1925, E.E., Professional, 1932, Ph.D., 1928, University of Iowa, IRE Offices: Director, 1959-60. Committees: Annual Review, 1949-51; Audio and Electroacoustics, 1959; Board of Editors, 1940-53; Editorial Reviewer, 1954-59; Electroacoustics, 1932-58, chairman, 1934-39; Papers Procurement, 1943-47; Standards, 1934-39. Professional Groups: Audio, chairman, 1957-58. IRE Representative: ASA Sectional Committee on Acoustical Measurements and Terminology, 1940-51, alternate, 1952-56; ASA Sectional Committee on Graphical Symbols and Abbreviations for Use on Drawings, 1949-50. Awards: Fellow, American Physical Society; Fellow, Acoustical Society of America; Fellow, Audio Engineering Society; Fellow, Society of Motion Picture and Television Engineers; President, Acoustical Society of America, 1952-53; John H. Potts Medal, Audio Engineering Society, 1952; Samuel L. Warner Medal, Society of Motion Picture and Television Engineers, 1955; John Scott Medal of the City of Philadelphia, 1956; Achievement Award of the Professional Group on Audio of the Institute of Radio Engineers, 1956.

OLSON, Robert W. (M'46—SM'53—F'59), Vice President, Research and Engineering, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

Born: February 17, 1915, Preston, Minn, B.S. (F.F.), 1938.

Born: February 17, 1915, Preston, Minn. B.S.(E.E.), 1938, University of Minnesota. Committees: Airborne Electronics, 1953.

O'NEILL, George D. (A'28—SM'46—F'49), Research Engineer, Sylvania Electric Products, Inc., Bayside, L.I., N.Y.
Born: July, 1900, Montclair, N.J. B.S., 1924, University of Michigan. Committees: Admissions, 1959-; Board of Editors, 1952-53; Editorial Reviewer, 1954-59; Electron Devices, 1945-57, vice-chairman, 1951-52, chairman, 1952-54; Electron Tubes, 1946-49, 1955-57, 1959; Electronics, 1936-46; Standards, 1952-54; Vacuum Tubes, 1945-46. Professional Groups: Electron Devices, 1951-54, chairman, 1951-52; Membership, 1959. IRE Representative: ASA Subcommittee (C42.14) on Electron Tubes, 1954-55.

ORDUNG, Philip F. (S'40—A'43—M'48—SM'49—F'59), Professor of Electrical Engineering, Department of Electrical Engineering, Yale University, Dunham Laboratory, New Haven, Conn.

Born: August 12, 1919, Luverne, Minn. B.S., 1940, South Dakota State College; M.Eng., 1942, D.Eng., 1948, Yale University. Committees: Circuits, 1950–56; Editorial Reviewer, 1954–59; Education, 1958–59. Sections: Connecticut Valley, secretary, 1953–54, vice-chairman, 1954–55; chairman, 1955–56. Awards: Award for the Advancement of Basic and Applied Science, Yale Engineering Association, 1953.

OSBORNE, Harold S. (A'14—M'29—SM'43—F'45)(L), Consulting Engineer, 379 Highland Ave., Upper Montclair, N.J. Born: August 1, 1887, Fayetteville, N.Y. B.S., 1908, Eng.D., 1910, Massachusetts Institute of Technology. Committees: Standardization, 1926–29.

OSWALD, Arthur A. (A'19—M'25—F'28)(L), Retired from Bell Telephone Laboratories, Inc., Home: 2 West Lane, Maplewood, N.J.

Born: March 3, 1891, Lake Linden, Mich. B.S. (E.E.), 1916, E.E., 1927, Illinois Institute of Technology. Committees: Papers Procurement, 1942–43; Regular Papers, 1941; Standardization. 1925–26.

OUIMET, J. Alphonse (A'39—SM'44—F'52), President, Canadian Broadcasting Corporation, P.O. Box 806, Ottawa, Ont.,

Born: June 12, 1908, Montreal, P.Q., Canada. B.A., 1928, St. Mary's College; B.E.E., 1932, McGill University; D.Sc. (Honorary), 1958, University of Montreal. Committees: Education, 1944; Television, 1946-49; Television Systems, 1949-53. Sections: Montreal, chairman, 1942-43. Awards: Ross Medal, 1948, Engineering Institute of Canada.

OXLEY, Allan B. (A'25-M'33-SM'46-F'53), Reliability Coordinator, Special Weapons Division, Canadair, Ltd., P.O. Box 6087, Montreal, P.Q., Canada.

Born: July 7, 1901, London, England. IRE Offices: Director, 1951-52, 1957-58. Committees: Awards, 1953-56; Membership, 1953-56; Nominations, 1952-53; Policy Advisory, 1957-58. Sections: Toronto, chairman, 1934-35; Montreal, chairman, 1939-40, 1949-50. Awards: Member, Corporation of Professional Engineers of Quebec, Canada, 1953-54; Canadian Aeronautical Institute.

PACKARD, David (S'34—A'41—SM'47—F'48), President, Hewlett-Packard Company, 275 Page Mill Rd., Palo Alto, Calif. Born: September 7, 1912, Pueblo, Colo. A.B., 1934, E.E., 1939, Stanford University. Committees: Awards, 1949; Instruments and Measurements, 1949–50. Sections: San Francisco, secretary, 1943—44, chairman, 1945—46.

PACKARD, Lucius E. (M'41—SM'43—F'57), Chairman of the Board, Technology Instrument Corporation, 531 Main St., Acton, Mass.

Born: January 21, 1914, Somerville, Mass. B.S. (E.E.), Massachusetts Institute of Technology. Committees: Appointments, 1955; Sections, 1946-47, Professional Groups: New England Radio Engineering Meeting, first chairman, 1947. Sections: Chicago, secretary, 1945-46; Boston, vice-chairman, 1950, chairman, 1951-52; North Atlantic Region, regional director, 1954.

PAGE, Chester H. (SM'48—F'56), Consultant to Director, National Bureau of Standards, Washington 25, D.C.
Born: November 13, 1912, Providence, R.I., A.B., 1934, Sc.M., 1934, Brown University; Ph.D., 1937, Yale University. Committees: Circuits, 1949-, vice-chairman, 1950-51, chairman, 1951-54; Editorial Reviewer, 1954-59; Electronic Computers, 1948-51; Papers Review, 1951-53; Standards, 1951; vice-chairman, Definitions Coordinator, 1956-. IRE Representative: ASA Sectional Committee (C42) on Definitions of Electrical Terms; ASA Subcommittee (C42.13) on Communications, 1959. Professional Groups: Circuit Theory, chairman, 1953-54; Awards: Certificate for Exceptional Service, Bureau of Ordnance; Gold Medal Award, Department of Commerce; Certificate of Appreciation, War Department, O.S.R.D.; Fellow, American Physical Society.

PAGE, Robert M. (SM'45—F'47), Director of Research, United States Naval Research Laboratory, Washington 25, D.C. Born: June 2, 1903, St. Paul, Minn. B.Sc., 1927, Hamline University; M.S., 1932, George Washington University; D.Sc. (Honorary), 1943, Hamline University. Committees: Board of Editors, 1946–53; Editorial Reviewer, 1954–59. Sections: Washington, treasurer, 1955–56, secretary, 1956–57, vice-chairman, 1957–58, chairman, 1958–59. Awards: Distinguished Civilian Award, United States Navy, 1945; Citation O.S.R.D., 1946; Presidential Certificate of Merit, 1947; IRE Harry Diamond Memorial Award, 1953; Stuart Ballantine Medal, Franklin Institute, 1957; Captain Robert Dexter Conrad Award, 1959.

PALMER, Winslow (S'38—A'41—SM'50—F'56), Engineering Section Head, Sperry Gyroscope Company, Great Neck, L.I., N.Y.

Born: July, 1912, New Brunswick, N.J. B.S., 1937, University of Hawaii; E.E., 1939, Stanford University. Committees: Modulation Systems, 1951-54. Navigation Aids, 1951-58, vice-chairman, 1954-56, chairman, 1957-58; Awards: Certificate of Commendation, U. S. Navy, 1947.

PAN, Wen Y. (A'41—SM'46—F'58), Manager, Radio Corporation of America, Cherry Hill, Camden, N.J.

Born: July 15, 1912, Soochow, China. B.Sc., 1935, Chao-Tung University; E.E., 1939, Ph.D., 1940, Stanford University. Awards: Award of Merit by Ministry of Communications of the Chinese Government, 1937; Honorary Member, Veteran Wireless Operators Association, 1947.

PARKER, Ralzemond D. (A'16-SM'45-F'59)(L), Retired from

Bell Telephone Laboratories. Consulting Engineer, 3606 Chesapeake St., N.W., Washington 8, D.C.

Born: December, 1881, Detroit, Mich. B.S. (E.E.), 1905, M.S., 1906, University of Michigan. Awards: Fellow, American Institute of Electrical Engineers.

PATTERSON, George W. (J'31—A'49—SM"54—F'59), Associate Professor and Head of Systems Logic Section, Moore School of Electrical Engineering and Graduate School of Arts and Sciences, University of Pennsylvania, 200 S. 33 St., Philadelphia, Pa.

Born: May 6, 1912, Rochester, N.Y. B.Sc.(E.E.), 1934, University of Vermont; M.A.(Physics), 1936, Columbia University; Ph.D.(Math.), 1958, University of Pennsylvania. Committees: Electronic Computers, 1949–59; Digital Computer Logic and Block Diagram Symbols, Subcommittee, chairman, 1955–. Professional Groups: Electronic Computers Administrative Committee, 1955–56. Sections: Philadelphia Chapter, Electronic Computers Group, chairman, 1955–56. IRE Representative: International Electrotechnical Commission, 1954. Awards: Naval Ordnance Development Award, U. S. Navy, 1945; Fellow, American Association for the Advancement of Science.

PAYNE, Leonard S. (M'16—SM'43—F'49)(L), Retired. 104
Marine Parade, Worthing, West Sussex, England.
Born: February 28, 1886, London, England.

PETER, Rolf W. (A'47—SM'52—F'58), Director, Physical and Chemical Research Laboratory, RCA Laboratories, Princeton, N.J.

Born: August 20, 1920, Zurich, Switzerland. Dipl. E.E., 1944, Ph.D., 1948, Swiss Federal Institute of Technology. Committees: Editorial Reviewer, 1954-58.

PETERSON, Arnold P. G. (S'34—A'38—SM'46—F'58), Engineer, General Radio Company, 22 Baker Ave., West Concord, Mass.

Born: August 7, 1914, DeKalb, Ill. B.Eng., 1934, University of Toledo; M.Sc., 1937, Dr.Sc., 1941, Massachusetts Institute of Technology. Committees: Measurements and Instrumentation, 1949-54; Papers Review, 1946-52, Sound Recording and Reproduction, 1950-53. Awards: Fellow, Acoustical Society of America, 1951.

PETERSON, Eugene (M'30—SM'43—F'59), Consultant, 25 E. 9 St., New York 3, N.Y.

Born: August 26, 1894, New York, N.Y. E.E., 1917, Polytechnic Institute of Brooklyn; M.A., 1923, Ph.D., 1926, Columbia University.

PETERSON, Harold O. (A'22—M'31—F'41), Associate Laboratory Director, RCA Laboratories Division, Radio Corporation of America, 140 Moriches Rd., Riverhead, L.I., N.Y.

Born: November 3, 1899, Blair, Neb. B.Sc. (E.E.), 1921, Doctor of Engineering (Honorary), 1951, University of Nebraska. Committees: Advisory Committee to the National Bureau of Standards, 1954–56; Aircraft Receivers, 1930–31; Board of Editors, 1944–53; Editorial Reviewer, 1954–59; Industrial Electronics, 1947–51; Instruments and Measurements, 1949–50; Papers, 1934–44; Papers Study and Procurement for the Transactions of PGCS, chairman, 1958–59; Radio Receivers, 1936–48; Radio Wave Propagation, 1942–45; Radio Wave Propagation and Utilization, 1945–49; Standards, 1934–35; Transmitters and Antennas, 1936–37; Wave Propagation, 1937–42, 1949–56, 1959. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940.

PETRILLO, Salvatore E. (A'42—F'56), Director of Engineering, U. S. Army Signal Research and Development Laboratory, Ft. Monmouth, N.J.

Born: July, 1909, Waterbury, Conn. B.S.(E.E.), 1930, Yale University. Sections: Monmouth Subsection, vice-chairman, 1948. Awards: Legion of Merit, Department of the Army, 1945.

PETTIT, Joseph M. (S'39-A'40-M'45-SM'46-F'54), Dean of

Engineering and Professor of Electrical Engineering and Associate Dean of Engineering, Electronics Research Laboratory, Stanford University, Stanford, Calif.

Born: July 15, 1916, Rochester, Minn. B.S., 1938, University of California. E.E., 1940, Ph.D., 1942, Stanford University. IRE Offices: Director, 1954-55. Committees: Editorial Reviewer, 1954-55; Education, 1949-59, chairman, 1955-56; Fellow, 1958-59; Policy Advisory, 1954-55; Radio Receivers, 1946-52. Sections: Palo Alto, chairman, 1951-52. IRE Representative: Stanford University, 1948-51. Awards: Presidential Certificate of Merit, U. S. Government, 1949; Electronics Achievement Award, Region 7, 1952.

PICKERING, William H. (A'41—SM'49—F'55), Director, Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.

Born: December 24, 1910, Wellington, New Zealand. B. S. 1932, M.S., 1933, Ph.D., 1936, California Institute of Technology. Committees: Editorial Reviewer, 1954-59; Education, 1949-51; Papers Review, 1946-53. IRE Representative: California Institute of Technology, alternate, 1941-42, 1950-52. Awards: Commendation for Meritorious Civilian Service, U. S. Air Force; Fellow, American Rocket Society, James Wyld Award, American Rocket Society; Decoration for Distinguished Civilian Service, Department of the Army.

PIERCE, John A. (SM'45—F'47), Senior Research Fellow, Cruft Laboratory, Harvard University, Cambridge 38, Mass.

Born: December 11, 1907, Spokane, Wash. B.A., 1937, University of Maine. Committees: Annual Review, 1948-49; Editorial Reviewer, 1954-59; Navigation Aids, 1947-50, chairman, 1948-50; Radio Wave Propagation and Utilization, 1945-49; Standards, 1949; Wave Propagation, 1949-50, 1956-59. Awards: Thurlow Award (Institute of Navigation), 1947; President's Certificate of Merit, 1948; IRE Morris Liebmann Prize, 1953; Fellow, American Academy of Arts and Sciences; Fellow, American Association for the Advancement of Science.

PIERCE, John R. (S'35—A'38—SM'46—F'48), Director of Research, Communications Principles, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: March 27, 1910, Des Moines, Iowa. B.S., 1933, M.S., 1934, Ph.D., 1936, California Institute of Technology. IRE Offices: Editor, 1954–55; Director, 1954–55. Committees: Editorial Board, chairman, 1954–55; Executive, 1954–55; Papers Procurement, second vice-chairman, 1943. Awards: Eta Kappa Nu, Outstanding Young Electrical Engineer, 1942; IRE Morris Liebmann Memorial Prize, 1947.

PIORE, Emanuel R. (A'38—M'42—SM'43—F'50), Director of Research, International Business Machines Corporation, 590 Madison Ave., New York 22, N.Y.

Madison Ave., New York 22, N.Y.
Born: July 19, 1908, Wilno, Russia. B.A., 1930, Ph.D., 1935,
University of Wisconsin. IRE Offices: Director, 1951. Committees: Awards, 1949. Professional Groups: Nuclear Science Administrative Committee, 1953, vice-chairman, 1955

PIPES, Louis A. (M'52—SM'54—F'58), Professor of Engineering, University of California, Los Angeles 24, Calif. Born: October 22, 1910, Mexico City, Mexico. B.S., 1933, M.Sc., 1934, Ph.D., 1936, California Institute of Technology.

POCH, Waldemar J. (A'28—VA'39—SM'48—F'56), Director, Product Development, RCA Laboratories, Princeton, N.J. Born: July, 1905, London, England. B.S.(E.E.), 1928, University of Michigan; M.S., 1934, University of Pennsylvania. Committees: Annual Review, 1950–51; Audio and Video Techniques, 1948–49; Editorial Reviewer, 1954–59; Standards, 1951–56; Video Techniques, 1949–56, 1959, vice-chairman, 1949–51, chairman, 1951–55. IRE Representative: IRE-RETMA-SMPTE-NARTB Committee for Inter-Society Coordination (Television), 1954–59.

PODOLSKY, Leon (A'30—M'46—SM'53—F'57), Consultant and Technical Assistant to the President, Sprague Electric Company, Marshall St., North Adams, Mass. Born: November, 1910, Philadelphia, Pa. E.E., 1934, Drexel Institute of Technology. Committees: Activities, 1955-60; Professional Groups, 1955-60. Professional Groups: Administrative Committee, Component Parts; Scholarship Committee. IRE Representative: National Bureau of Standards, Technical Advisory Committee, 1959. Awards: ASA War Standards Award, 1946; Certificate of Commendation, U. S. Navy, 1947; IRE-RETMA Fall Meeting Award, 1956; Fellow, AIEE, 1956.

POLKINGHORN, Frank A. (A'25-F'38), Technical Staff, Bell

Telephone Laboratories, Inc., Whippany, N.J.
Born: July 23, 1897, Holbrook, Mass. B.S., 1922, University of California. IRE Offices: Director, 1957-58. Committees: Admissions, 1943-48, vice-chairman, 1945-48; High-Frequency Receivers, 1930-31; National Convention, 1948; Nominations, 1958; Policy Advisory, 1957-58; Radio Receivers, 1932-34; Sections, 1941-45. Sections: Northern New Jersey Subsection, vice-chairman, 1953-54; Northern New Jersey Section, chairman, 1954-55. IRE Representative: ASA Sectional Committee on Radio, 1935-38. Awards: Honorary Member, Denki Tushin Gakkai, (Institute of Electrical Communication Engineers of Japan).

PONTE, Maurice J. H. (SM'48—F'54), Managing Director, Compagnie Générale de Télégraphie Sans Fil, 79 Boulevard Hausmann, Paris, France.

Born: April, 1902, Voiron, Isère, France, Sciences Doctorship, Ecole Normale Supérieure of Paris (Sciences Division). IRE Offices: Vice President, 1954; Director, 1954.

POTE, Alfred J. (A'41—SM'48—F'59), Executive Vice President and Director of Engineering, Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.

Born: February, 1904, Boston, Mass. B.S. (E.E.), 1926, Massachusetts Institute of Technology; D.A.O. (Honorary), 1937, Staley College. Committees: Editorial Reviewer, 1954-59. Sections: Boston, secretary, 1952; chairman, 1945.

POTTER, James L. (A'31—SM'44—F'57), Professor and Chairman, Electrical Engineering Department, Rutgers State University, College of Engineering, New Brunswick, N.J.

Born: December 4, 1905, Carthage, Mo. B.S., 1928, M.S., 1930, E.E., 1939, Kansas State College. Committees: Education, 1955-57. Sections: Princeton, secretary-treasurer, 1945-55, vice-chairman, 1955-56, chairman, 1956; Education Subcommittee of Education Committee, chairman, 1955-56. IRE Representative: Rutgers University, 1941-54. Awards: First Prize Paper, Science Division National American Institute of Electrical Engineers Winter Convention, 1954.

POTTER, Ralph K. (A'25-M'26-F'41), Retired. Dogwood Dr., Route No. 17, Morristown, N.J.

Born: October 1, 1894, Elgin, Ill. B.S., 1917, Whitman College; E.E., 1923, Columbia University. Committees: Awards, 1944; Papers, 1931-41.

POUNSETT, Frank H. R. (A'26—SM'44—F'47), General Manager, Engineering & Manufacturing Radio & Television Division, Philips Electronics Industries, Ltd., 116 Vanderhoof Ave., Toronto 17, Ont., Canada.

Born: September 12, 1904, London, England, B.A.Sc., 1928, University of Toronto. IRE Offices: Director, 1949-50. Committees: Awards, 1952; Canadian Building Fund and Auditor, 1945; Membership, 1951-52; Nominations, 1948-50, 1955-56; Radio Receivers, 1946-52. Sections: Toronto, chairman, 1945-46.

PRATT, Haraden (A'14—M'17—F'29)(L), Consultant, Wake Robin Lane, Stamford, Conn.

Born: July 18, 1891, San Francisco, Calif. B.S., 1914, University of California. IRE Offices: President, 1938; Treasurer, 1941-42; Secretary, 1943-59; Director, 1935-59. Committees: Admissions, 1937; Annual Review, 1937; Appointments, chairman, 1947; Awards, 1937-41, 1944-45, 1948, vice-chairman, 1945, chairman, 1939, 1948; Board of Editors, 1941-53; Building Fund Administrator, 1947-48; Constitution and Laws, 1941, 1950-51; Editorial Administrative, 1947-50; Executive, vice-chairman, 1941-42, sec-

retary, 1943-59; Finance, 1959; Fiscal, 1947-48, chairman, 1947, 1955-57; History, chairman, 1954-59; Investments, 1944-46; New York Program, 1933, 1935-37, chairman, 1936-37; Nominations, 1936, 1941-43, 1947-48, 1952-56, chairman, 1943, 1947; Office Quarters, 1947; Policy Development, 1950-51, chairman, 1950; Preparedness, chairman, 1940-41; Radio Transmitters and Antennas, 1930; Standardization, 1928-31; Standards, 1932, 1934-37, chairman, 1934-35; Tellers, chairman, 1936. IRE Representative: ASA Sectional Committee (C42) on Definition of Electrical Terms, 1936-46, 1949-55; ASA Sectional Committee on Definitions of Technical Terms, 1930; ASA Board of Directors, 1939-41; ASA Sectional Committee on Radio, 1936-48; Joint Technical Advisory Committee, 1948-51; Radio Technical Planning Board, 1944-48, chairman, 1945-48. Awards: IRE Medal of Honor, 1944.

PREISMAN, Albert (M'38—SM'43—F'53), Vice President in Charge-of-Engineering, Capital Radio Engineering Institute, 3224 16 St., N.W., Washington 10, D.C.; Consulting Engineer. Born: February 8, 1901, New York, N.Y. A.B., 1922, E.E., 1924, Columbia University. Committees: Education, 1950–55; Membership, 1943–46; Papers Review, 1948–53. Professional Groups: Audio, chairman, 1957–58.

PRESSLEY, Jackson H. (A'20—F'31), Retired, 1036 San Diego Rd., Santa Barbara, Calif.

Born: June 8, 1896, Rio Vista, Calif. B.S.(E.E.), 1920, University of California. Committees: Radio Receivers, 1933-34.

PRICE, Lloyd M. (A'31—SM'46—F'49), Sales Representative and Engineering Consultant, 185 Poplar Plains Rd., Toronto 7, Ont., Canada.

Born: August, 1897, St. Thomas, Ont., Canada. B.A.Sc., 1923, University of Toronto. Committees: Electron Tubes, 1946-47. Sections: Toronto, secretary, 1934-35, chairman, 1935-36.

PRIEST, Conan A. (A'24—M'38—SM'43—F'47), Director, Electronics Division, Onondaga Pottery Company, Syracuse, N.Y. Born: August 11, 1900, Solon, Me. B.S. (E.E.), 1922, E.E. Professional, 1925, University of Maine. IRE Offices: Director, 1953-54. Committees: Board of Editors, 1941-53. Professional Groups: Industrial Electronics, secretary, 1954-58. Sections: Syracuse, chairman, 1947.

PUGSLEY, Donald W. (A'39—M'45—SM'46—F'52), Staff Vice President in Charge-of-Engineering, Ramo-Wooldridge Division of Thompson-Ramo-Wooldridge Co., Los Angeles, Calif. Born: December, 1912, Salt Lake City, Utah. B.S.(E.E.), 1935, University of Utah; M.S.(E.E.), 1954, Syracuse University. Committees: Radio Frequency Interference, 1956–58; Television, 1945–49; Television Systems, 1949–59. Sections: Syracuse Chapter, Professional Group on Engineering Management, vice-chairman, 1955–56, chairman, 1956–57. Professional Groups: Professional Group on Broadcast and Television Receivers, National Administrative Committee, 1958–59; Professional Group on Engineering Management, National Administrative Committee, 1958–59; Professional Group on Industrial Electronics: Professional Group on Medical Electronics. Awards: Eta Kappa Nu, Outstanding Young Electrical Engineer (Honorary Mention), 1944.

PUNCHARD, John C. R. (A'37—SM'45—F'53), Manager, Belleville Plant, Northern Electric Company, Ltd., 250 Sidney St., Belleville, Ont., Canada.

Born: April 13, 1911, Toronto, Ont., Canada. B.A.Sc., 1933, University of Toronto. IRE Offices: Awards, 1957. Committees: Awards, 1957; Fellow Awards, chairman, 1958. Radio Transmitters, 1947-51; Sections: Montreal, secretary, 1941-44, chairman, 1946-47; Canadian Council, I.R.E., secretary, 1947-53; Bay of Quinte, chairman, 1955-56.

QUARLES, Lawrence R. (M'42—SM'43—F'52), Dean of Engineering, Thornton Hall, University of Virginia, Charlottesville, Va.

Born: January 26, 1908, Charlottesville, Va. B.S.E., 1929, Ph.D. (Physics), 1935, University of Virginia. Committees: Awards, 1956; Education. 1949-56; Policy Development, 1948. Sections:

North Carolina-Virginia, chairman, 1946-47; IRE Representative: University of Virginia, 1943-50.

RABINOW, Jacob (SM'54—F'56), President, Rabinow Engineering Company, 7212 New Hampshire Ave., Washington 12, D.C.

Born: January 8, 1910, Kharkov, Russia. B.E. (E.E.), 1933, E.E., 1934, College of the City of New York. Awards: Naval Ordnance Development Award, 1945; Certificate of Merit, 1948; Certificate of Appreciation, War Department, 1949; Exceptional Service Award, Department of Commerce, 1949; Certificate of Commendation, National Defense Research Council, 1954.

RADFORD, William H. (A'41—SM'45—F'54), Professor of Electrical Communications, Massachusetts Institute of Technology; Associate Director, Lincoln Laboratory, Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge 39, Massachusetts Ave., Cambridge 39,

Born: May, 1909, Philadelphia, Pa. B.S., 1931, Drexel Institute of Technology; M.S., 1932, Massachusetts Institute of Technology; D.Eng. (Honorary), Drexel Institute of Technology, 1957. Committees: Editorial Reviewer, 1954–59; Education, 1945–48, chairman, 1947–48; Membership, 1947–48. Sections: Boston, chairman, 1947. Professional Groups: Joint Technical Advisory Committee, vice-chairman, 1956, chairman, 1957–58. IRE Representative: Massachusetts Institute of Technology, 1941–54; National Bureau of Standards—IRE Technical Advisory Committee, 1950

RAGAZZINI, John R. (A'41—M'46—SM'52—F'55), Dean of the College of Engineering, Professor of Electrical Engineering, South Hall, New York University, New York 53, N.Y. Born: January 3, 1912, New York, N.Y. B.S., 1932, E.E., 1933, College of the City of New York; M.A., 1938, Ph.D., 1941, Columbia University. IRE Offices: Director, 1953-54. Committees: Appointments, 1954; Audio and Video Tecluniques, 1948-49; Board of Editors, 1946-53; Editorial Administrative, 1948-50; Editorial Reviewer, 1954-59; Education, 1949-55; Modulation Systems, 1951-53; Nominations, 1953-54; Policy Advisory, 1954-55; Sound Recording, 1949-50. Sections: New York, secretary, 1946-47, vice-chairman, 1948-49. IRE Representative: Columbia University, 1945-52; ASA Subcommittee (Y10.14) on Nomenclature Feedback Control Systems, 1951-53.

RAJCHMAN, Jan A. (SM'46—F'53), Associate Director, Systems Research Laboratory, RCA Laboratories, Princeton, N.J. Born: August 10, 1911, London, England. Dipl.E.E., 1935, Dr. Sc., 1938, Swiss Federal Institute of Technology. Committees: Editorial Reviewer, 1954–59; Electronic Computers, 1948–58; Papers Review, 1950–52, 1954–59. Awards: Levy Medal, Franklin Institute, 1948.

RAMBERG, Edward G. (M'53—SM'53—F'55), Research Physicist, RCA Laboratories Division, Princeton, N.J. Born: June 14, 1907, Florence, Italy. B.A., 1928, Cornell University; Ph.D., 1932, University of Munich, Germany.

RAMBO, William R. (S'39—A'40—SM'46—F'59), Director, Stanford Electronics Laboratories; Professor of Electrical Engineering, Stanford University, Stanford, Calif. Born: September 3, 1916, San Jose, Calif. A.B., 1938, E.E., 1941,

Stanford University.

RAMEY, Robert A., Jr. (M'46—F'58), Manager, New Products Engineering Department, Westinghouse Electric Corporation, P.O. Box 10596, Pittsburgh 35, Pa.

Born: December 14, 1918, Wayne, W.Va. B.S.(E.E.), 1943. M.Sc., 1945, Dr.Sc., 1948, University of Cincinnati. Awards: Basic Science Committee Best Paper Award, AIEE, 1951.

RAMO, Simon (A'38—SM'44—F'50), President, Space Technology Laboratories, Division of The Ramo-Wooldridge Corporation, Los Angeles, Calif.; Research Associate, California Institute of Technology, Pasadena, Calif.

Born: May, 1913, Salt Lake City, Utah. B.S., 1933, University of

Utah; Ph.D., 1936, California Institute of Technology. Committees: Board of Editors, 1946-53; Editorial Reviewer, 1954-55; Papers, 1941-45. Awards: Eta Kappa Nu, Honorable Mention, 1941; Electronic Achievement Award, Pacific Region, IRE, 1953; Raymond E. Hackett Award, 1955; W. Rupert Turnbull Memorial Award, IAS 1956 International Meeting.

RANGER, Richard H. (F'37)(L), President, Rangertone, Inc., 73 Winthrop St., Newark 4, N.J.

Born: June 13, 1889, Indianapolis, Ind. B.S., 1911, Massachusetts Institute of Technology. Committees: Meetings and Papers, 1928-30; New York Program, chairman, 1930-32; Papers, 1931-33. Sections: Northern New Jersey, Membership Committee, chairman, 1954-55; Program Committee, chairman, 1956-58; Executive Committee, 1954-58; Member, 1959.

RAPPAPORT, George (A'41—M'44—SM'46—F'56), Vice President, Government Electronics Division, Emerson Radio and Phonograph Corporation, 1140 East West Highway, Silver Spring, Md.

Born: December 7, 1919, New York, N.Y. B.E. (E.E.), 1941, City College of New York; M.S. (E.E.), 1947, Ohio State University. IRE Offices: Director, 1954-56.; Committees: Annual Review, 1948-52; Membership, 1954-56; Sections, 1950-51; Standards, 1949-52. Sections: Dayton, secretary, 1947-48, chairman, 1948-49. Professional Groups: Aeronautical and Navigational Electronics, chairman, 1952.

RATCLIFFE, John A. (M'29—A'32—F'53), Cavendish Laboratory, Cambridge, England.

Born: December, 1902, Bacup, Lancashire, England. M.A., 1927, Cambridge. Awards: Fellow, The Royal Society.

RAYMOND, Richard C. (SM'52—F'58), Manager, Technical Military Planning Operation, General Electric Company, 735 State St., Santa Barbara, Calif. Born: August, 1917, Spokane, Wash. B.S. (Physics), 1938, State

College of Washington; Ph.D. (Physics), 1941, University of

California.

REICH, Herbert J. (A'26—M'41—SM'43—F'49), Professor of Electrical Engineering, Dunham Laboratory, Yale University, New Haven, Conn.

Born: October, 1900, Staten Island, N.Y. M.E., 1924, Ph.D. (Physics), 1929, Cornell University. IRE Offices: Director, 1944, 1948–51. Committees: Admissions, 1944–46; Appointments, 1950; Awards, 1948; Board of Editors, 1943–53; Constitution and Laws, 1949–50; Education, 1945–53, chairman, 1949–51; Electron Tubes, 1946–49, 1956–58, vice-chairman, 1959; Electron Tubes and Solid State Devices, 1949–53; Electronics, 1941–46; Vacuum Tubes, 1945–46. IRE Representative: University of Illinois, 1941–43; Yale University, 1948–50. Awards: Fellow, American Physical Society; Fellow, American Institute of Electrical Engineers.

REID, John D. (A'41—M'44—SM'46—F'49), Executive Vice President, A.R.&.T. Electronics, Inc., P.O. Box 627, North Little Rock, Ark.

Born: March, 1907, Morristown, N.J. Attended University of Pennsylvania, 1925-28. IRE Offices: Director, 1950-51. Committees: Awards, 1951-54; Board of Editors, 1947-51; Editorial Administrative, 1949-50; Membership, 1949-50; Papers Procurement, 1945-49, chairman, 1948-49; Papers Review, 1946; Policy Development, 1950-51; Professional Groups, 1948, 1950; Receivers, 1946-58, vice-chairman, 1950-56. Sections: Cincinnati, chairman, 1946-47; Little Rock, chairman, 1957-58. IRE Representative: National Electronics Conference, Board of Directors, 1950-51. Awards: Naval Ordnance Development Award, United States Navy, 1945; Presidential Certificate of Merit, 1948.

REINARTZ, John L. (M'32—SM'43—F'58), Captain, U.S.N.R., Retired. Manager, Amateur Service Department, Eitel-McCullough, Inc., San Bruno, Calif. Born: March 6, 1894, Crefeld, Germany. Awards: Silver Cup,

Second District Radio Council, 1923.

RETTENMEYER, Francis X. (A'26—M'29—SM'43—F'44), Engineering Department, Philco Corporation, 4700 Wissahickon Ave., Philadelphia 44, Pa.

Born: July 27, 1904, Kendrick, Okla. B.S. (E.E.), 1925, University of Colorado. Committees: Administrative Committee of the Board of Editors, 1951–53; Board of Editors, 1946–53; Editorial Administrative, 1951–53; Membership, 1938–40; Papers, 1942–45; Papers Procurement, 1947–49; Public Relations, 1941–42; Publicity, 1939; Radio Receivers, 1936–37; Radio Receivers and Parts, 1929–30; Sections, 1936.

REUKEMA, Lester E. (A'30—SM'46—F'51), Professor of Electrical Engineering, Emeritus, 123 Cory Hall, University of California, Berkeley, Calif.

Born: August 31, 1891, Chicago, III. B.S., 1922, M.S., 1924, Ph.D., 1926, University of California. Sections: San Francisco, secretary, 1946-47, vice-chairman, 1947-48; chairman, 1948-49. Awards: Fellow, American Institute of Electrical Engineers, 1946.

RIBLET, Henry J. (A'45—M'55—F'58), President, Microwave Development Laboratories, Inc., 92 Broad St., Wellesley 81, Mass

Born: July 21, 1913, Calgary, Alberta, Canada. B.S., 1935; M.A., 1937; Ph.D., 1939, Yale University. Committees: Editorial Reviewer, 1954-59; Technical Program Committee, PGMTT National Symposium, chairman, 1959.

RICE, Stephen O. (SM'47—F'53), Member of Technical Staff, Bell Telephone Laboratories, Inc., 463 West St., New York, N.Y.

Born: November, 1907, Shedds, Ore. B.S., 1929, Oregon State College. Committees: Papers Review, 1947.

RICHARDSON, Avery G. (A'25—M'29—SM'43—F'56), Manager, Technical Services, International Telephone & Telegraph Laboratories, Inc., 500 Washington Ave., Nutley 10, N.J. Born: March, 1901, Brooklyn, N.Y. E.E., 1924, Brooklyn Polytechnic Institute. Committees: Navigation Aids, 1954-59. Sections: Northern New Jersey Subsection, secretary, 1950, chairman, 1952. Awards: Certificate of Commendation, U. S. Navy; National Defense Research Council Award.

RICHARDSON, William G. (A'36—SM'45—F'55), Director of Engineering, Canadian Broadcasting Corporation, 140 Wellington St., Ottawa, Ont., Canada.

Born: December 5, 1903, Watford, Ont., Canada. B.S. (E.E.), 1926, Queen's University.

RICHMOND, Harold B. (A'14—M'23—F'29)(L), Retired. Formerly Chairman of the Board of General Radio Company. Home: 100 Memorial Dr., Cambridge 42, Mass.

Born: March 22, 1892, Medford, Mass. S.B., 1914, Massachusetts Institute of Technology; D.Fng. (Honorary), 1947, Norwich University. Committees: Admissions: 1940; Nominations, 1940; Preparedness, 1940-41; Public Relations, 1947-48; Registration of Engineers, chairman, 1940-43; Standardization, 1928-31. Awards: Presidential Medal for Merit, Guided Missiles Development, 1947; Highest Honor Award, Scientific Apparatus Makers Association.

RICHTER, Walther (SM'44—F'53), Consulting Electrical Engineer, 8575 N. Hawthorne Rd., Milwaukee 17, Wis. Born: May 17, 1900, Heidelberg, Germany. B.S., 1923, Institute

of Technology, Karlsruhe, Germany. B.S., 1923, Institute of Technology, Karlsruhe, Germany. Committees: Industrial Electronics. 1947-58; Papers Procurement, 1946. Professional Groups: Instrumentation Administrative Committee, 1954-55; Industrial Electronics Administrative Committee, 1952-55. Awards: Fellow, American Institute of Electrical Engineers. 1942.

RINIA, Herre (SM'51—F'54), Director of Research, Phillips Research Laboratories, Kastanjelaan, Eindhoven, Netherlands, Born: March 30, 1905, Cornwerd, Friesland, Netherlands, M.A. (E.E.), 1928, Delft Institute of Technology, IRE Offices: Vice President, 1956; Director, 1956, Awards: Member, Koninklijke

Nederlandse Akademie van Wetenschappen, 1947; Officer of the Order of Orange, Nassau, 1955.

RIVES, Tom C. (SM'48—F'54), Director of Syracuse University Research Corporation, Bldg. B-5, Colvin Lane, Syracuse 10, N.Y. (Collendale).

Born: December 3, 1892, Montgomery, Ala. B.S. (E.E.), 1916, E.E., 1917, Alabama Polytechnic Institute; M.S., 1927, Sheffield Scientific School, Yale University. Committees: Professional Groups, 1958–59. Professional Groups: Engineering Management, 1951–54, chairman, 1953–54; Aeronautical and Navigational Electronics, vice-chairman, 1956; Administrative Committee, Military Electronics, 1957–58; Nominating Committee, Engineering Management, chairman, 1957–58.

ROBERTS, Walter van B. (A'22—F'29) (L), Retired. 155 Hodge Rd., Princeton, N.J., Consultant, Radio Corporation of America. Born: November 13, 1893, Titusville, Pa. B.S., 1915, E.E., 1917, Ph.D., 1924, Princeton University. Committees: Use of the Transmission Unit, 1928.

ROCHESTER, Nathaniel (S'41—A'43—M'46—SM'49—F'58), Manager, Information Research, International Business Machines Corporation, Research Laboratory, Yorktown, N.Y. Born: January 14, 1919, Buffalo, N.Y. B.Sc. (E.E.), 1941, Massachusetts Institute of Technology. Committees: PGIT Editorial Advisory Committee, 1959; Subcommittee on Definitions, 1951–54, chairman, 1952–54; Task Group on Pulse Definitions, 1952; Technical Committee on Electronic Computers, 1948–55, vice-chairman, 1950–51, chairman, 1951–52.

ROCKWELL, Ronald J. (A'25—M'31—SM'43—F'45), Vice President in Charge-of-Engineering, Crosley Broadcasting Corporation, 140 W. 9 St., Cincinnati, Ohio.

Born: February 5, 1904, Omaha, Neb. B.S.(E.E.), 1927, Iowa State College; E.E. Professional, 1946. Committees: Electroacoustics, 1951-55; Sections, exofficio, 1938-39. Sections: Cincinnati, chairman, 1938-39.

ROCKWOOD, Alan C. (A'25—M'30—SM'43—F'59), Manager of Design, Development & Specifications, Receiving Tube Division, Raytheon Manufacturing Company, Center St., Quincy, Mass.

Born: May 15, 1901, Iowa City, Iowa, B.A., 1921, B.E. (E.E.), 1922, M.S., 1923, State University of Iowa, Committees: Board of Editors, 1944; Electron Devices, 1952–56; Electron Tubes, 1946–49, 1955–58; Electron Tubes and Solid State Devices, 1949–52; Electronics, 1943–46; Vacuum Tubes, 1945–46. Awards: Naval Ordnance Development Award, 1945.

ROETKEN, Alfred A. (A'29—M'40—SM'43—F'53), Research Engineer, Bell Telephone Laboratories, Inc., Mountain Ave., Murray Hill, N.J.

Born: October, 1902, Covington, Ky. B.S.(E.E.), 1927, M.S., 1929, Ohio State University.

ROHDE, Lothar (M'55—F'56), Owner and Technical Director, Rohde and Schwarz, 7 Tassiloplatz, Munich 9, Germany. Born: October 4, 1906, Leverkusen, Germany. Ph.D., 1931, University of Jena; Dr.Ing. (Honorary), 1953, Technische Hochschule, Munich, Germany.

ROSE, Albert (A'36—M'40—SM'43—F'48), Physicist, RCA Laboratories, Princeton, N.J.

Born: March, 1910, New York, N.Y. A.B., 1931, Ph.D. (Physics), 1935, Cornell University. Committees: Editorial Reviewer, 1954. Awards: Television Broadcasters Association Award, 1945; Iournal Award, Society of Motion Picture Engineers, 1946; IRE Morris Liebmann Memorial Prize, 1946; David Sarnoff Gold Medal, SMPTE, 1958.

ROSE, George M., Jr. (A'31—M'38—SM'43—F'54), Manager.
Receiving Tube Advanced Development, Tube Division, Radio Corporation of America, 415 S. 5 St., Harrison, N.J.
Born: November 22, 1907, Nashville, Tenn. B.S.(E.E.), 1928,

University of North Carolina. Committees: Admissions, 1954-59, chavman, 1955-56. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940.

ROTHE, Horst (M'48—SM'55—F'59), Professor, Dr.Eng., Director of the Institute for High Frequency Technics and Physics, Technical University (Institute of Technology), Karlsruhe, Kaiserstr. 12, Karlsruhe, Germany.

Born: December, 1899, Hosterwitz/Dresden, Germany. Dipl. Eng., 1923, Dr.Eng., 1925, Technical University (Institute of Technology), Dresden, Germany. Committees: Electron Tubes, 1955-59.

ROYDEN, George T. (A'19—M'27—F'33), Retired. 912 Linger Lane, Phoenix, Ariz.

Born: June 20, 1895, Fort Clark, Tex. A.B., 1917, Engineer, 1924, Stanford University. IRE Offices: Director, 1946. Committees: Admissions, 1941-48, chairman, 1943-48; Awards, 1946; Constitution and Laws, 1944, 1949-50; Convention Record, 1953-56; National Convention, 1946; New York Program, 1938-42; Professional Groups, 1952-53; Sections, 1941-45. Professional Groups: Communications Systems, chairman, 1952-53, Administrative Committee, 1952-55. Sections: San Francisco, chairman, 1933-34.

ROYS, Henry E. (A'27—SM'47—F'55), Manager of Engineering, RCA Victor Record Division, Indianapolis, Ind.

Born: January 7, 1902, Beaver Falls, Pa. B.S. (E.E.), 1925, University of Colorado. Committees: Audio and Video Techniques, 1948-49; Editorial Reviewer, 1954-59; Papers Review, 1947-53; Sound Recording and Reproducing, 1949-56, chairman, 1949-52; Standards, 1950-52; Video Techniques, 1949-50. IRE Representative: ASA Sectional Committee (Z57) on Standards for Sound Recording, 1951-56. chairman, 1957-59; EIA Phonograph Combinations and Home Recordings (R7), chairman, 1956-59. Awards: Fellow, Audio Engineering Society, 1953; Fellow, Acoustical Society of America, 1954, IRE-PGA Achievement Award, 1957; The Emile Berliner Award, Audio Engineering Society, 1957.

RUSSELL, John B. (A'36—SM'45—F'58), Manager, Electronics Laboratory, General Electric Company, Syracuse, N.Y. Born: March 10, 1907, Boston, Mass. B.S., 1928, M.Sc., 1931, D.Sc., 1950, Massachusetts Institute of Technology. Committees: Circuit Theory, 1944, 1947–51, vice-chairman, 1948–49; Electronics, 1943, 1954–56; Education, 1958–59. Sections: Syracuse, chairman, 1958. Awards: Fellow, AIEE; Fellow, New York Academy of Sciences.

RUST, William M., Jr. (SM'47—F'53), Assistant Chief Geophysicist, Humble Oil & Refining Company, 1200 Main, Houston 2. Tex.

Born: January, 1907, Liberty, Tex. B.A., 1928, M.A., 1929, Ph.D., 1931, The Rice Institute. IRE Offices: Director, 1951–52. Committees: Awards, 1953–55, chairman, 1954; Awards Coordination, 1955–56, chairman, 1956; Constitution and Laws, chairman, 1958; Professional Groups, 1953–56, 1958. Awards: President, Society of Exploration Geophysics, 1945.

RYAN, Francis M. (J'14—A'17—M'26—F'40), Radio Engineer, American Telephone and Telegraph Company, 195 Broadway, New York 7, N.Y.

Born: February 4, 1895, Seattle, Wash. B.S.(E.E.), 1919, University of Washington. Committees: Admissions, 1939; Meetings and Papers, 1930; New York Program, 1930; Papers, 1931-36; Railroad and Vehicular Communication, 1945-46; Tellers, 1938. Professional Groups: Communications Systems, chairman, 1956. IRE Representative: Aeronautic Radio Research, Department of Commerce, 1930; Liaison Committee on Aeronautic Radio Research, 1936, 1939-41.

RYBNER, Jorgen, C. F. (A'25—SM'47—F'53), Professor, Oster-voldgade 10 G, Copenhagen K, Denmark.

Born: November 26, 1902, Frederiksberg, Denmark. M.S.(E.E.). 1926, Royal Technical University of Denmark. IRE Offices:

Vice President, 1951. Awards: Member, Danish Academy of Technical Sciences, 1937; President, Danish National Committee of URSI, 1948.

RYDER, John D. (A'29—SM'45—F'52), Dean, College of Engineering, Michigan State University, East Lansing, Mich.
Born: May 8, 1907, Columbus, Ohio. B.E.E., 1928, M.S., 1929, Ohio State University; Ph.D., 1944, Iowa State College. IRE Offices: President, 1955; Director, 1952–59; Editor, 1958–59.
Committees: Appointments, 1954–57 (ex officio, 1955), chairman, 1957; Editorial Board, 1956, chairman, 1958; Editorial Ferviewer, 1954–59; Education, 1945–46, 1949–59, chairman, 1953–54; Executive, 1954–59, chairman, 1955; Finance, 1954–57; Membership Relations Coordinator, 1954–57; Nominations, 1956–59, chairman, 1957; Papers Review, 1948–53; Policy Advisory, 1952–53, chairman, 1953; Professional Groups, 1956. Professional Groups: Education, chairman, 1957–58. Sections: Des Moines-Ames, vice-chairman, 1948.

RYDER, Robert M. (SM'45—F'57), Transistor Development Engineer, Bell Telephone Laboratories, Inc., Mountain Ave., Murray Hill, N.J.

Born: March, 1915, Yonkers, N.Y. B.S., 1937, Ph.D., 1940, Yale University. Committees: Advanced Developments, 1944-46; Conference Committee on Electron Tube Research, 1948-50, chairman, 1951; Editorial Reviewer, 1954-59; Electron Devices, 1949-56, vice-chairman, 1952-54; Electron Tubes, 1948-49; Semiconductor Devices, chairman, 1949-53; Task Force on Unit Definitions and Tests, chairman, 1947-51. IRE Representative: IRE-AIEE Committee on Noise Definitions, 1951.

SALINGER, Hans W. G. (A'37—SM'46—F'51), Scientific Advisor, Components and Instrumentation Laboratory, International Telephone & Telegraph Laboratories, 3700 E. Pontiac St., Fort Wayne, Ind.

Born: April 1, 1891, Berlin, Germany. Ph.D., 1915, University of Berlin. Committees: Papers Procurement, 1947–50. Sections: Fort Wayne, *chairman*, 1949–50.

SALISBURY, Winfield W. (SM'44—F'47), Technical Director, RACOF Division, Varo Manufacturing Co., Inc., 2201 Walnut St., Garland, Tex.

Born: December 27, 1903, Carthage, Ill. A.B., 1926, University of Iowa: D.S. (Honorary), 1950, Cornell College. Committees: Education, 1946; Nuclear Studies, 1948–50; Papers Review, 1946; Railroad and Vehicular Communications, 1945–48. Sections: East Bay Subsection, chairman, 1953–54.

SALZBERG, Bernard (J'25—A'30—M'38—SM'43—F'52), Chief Scientist, Research and Engineering Division, Airborne Instruments Laboratory, Inc., 160 Old Country Rd., Mineola, L.I., N.Y.

Born: July 22, 1907, New York, N.Y. E.E., 1929, M.E.E., 1933, D.E.E., 1941, Polytechnic Institute of Brooklyn. Committees: Electronics, 1943–46; Membership, 1938–46. Professional Groups: Military Electronics, Long Island, 1958; Electron Devices, New York, 1958–59. Awards: IRE Harry Diamond Memorial Award, 1955.

SAMUEL, Arthur L. (A'24—VA'39—SM'44—F'45), Research Advisor, International Business Machines Corporation, Poughkeepsie, N.Y.

Born: December 5, 1901, Emporia, Kan. A.B., 1923, College of Emporia; S.B., 1925, S.M., 1926, Massachusetts Institute of Technology; D.Sc. (Honorary), 1946, College of Emporia, Committees: Annual Review, 1950–51; Editorial Reviewer, 1955–59; Electronics, 1944–45; Electron Tubes, 1946–47; Electron Tubes and Solid State Devices, 1949–54, vice-chairman, 1950–51, chairman, 1951–52; Papers Review, 1952–53; Research, 1949–50; Standards, 1951–52; Symbols, 1950–52; Vacuum Tubes, 1945. Sections: Mid-Hudson Subsection, chairman, 1951–52. Awards: Paper Award, 1937.

SAMUELSON, Robert E. (SM'45—F'57), Engineering Manager, Motorola, Inc., Western Military Electonics Center, 8201 E. McDowell Rd., Phoenix, Ariz.

Born: February, 1911, St. Paul, Minn. B.Sc.M.E., 1933, University of Minnesota; M.S. (E.E.), 1947, Ph.D. (E.E.), 1949, Northwestern University. Sections: Phoenix, chairman, 1952-53.

SANDRETTO, Peter C. (A'30—M'40—SM'43—F'54), Vice President and Technical Director, Federal Telecommunication Laboratories, 500 Washington Ave., Nutley, N.J.

Born: April, 1907, Pont Canavese, Italy. Graduate, 1927, Joliet Junior College; B.S. (E.E.), 1930, E.E., 1938, Purdue University. Committees: Annual Review, 1950–51; Board of Editors, 1944–52; Industrial Electronics, 1947–48; Membership, 1940; Navigation Aids, 1946–55, chairman, 1950–54; Papers, 1942–44; Paper Procurement, 1942–43; Professional Groups, 1952–54; Regular Papers, 1941; Standards, 1950–54. Professional Groups: Aeronautical and Navigational Electronics, 1952–53, vice-chairman, 1952–58. Sections: Chicago, secretary-treasurer, 1940. Awards: Bronze Star, 1945; Brigadier General, U. S. Air Force Reserve, 1950.

SARNOFF, David (A'12—M'14—F'17)(L), Chairman of the Board and Chief Executive Officer, Radio Corporation of America, 30 Rockefeller Plaza, New York, N.Y.; Board Chairman, RCA Communications, Inc.; Director, National Broadcasting Co., Inc.

Born: February 27, 1891, Uzlian, Minsk, Russia. D.Sc. (Honorary), 1927, St. Lawrence University; D.Sc. (Honorary), 1935, Marrietta College; D.Lit. (Honorary), 1935, Norwich University; D.C.S. (Honorary), 1938, Oglethorpe University; D.Sc. (Honorary), 1939, Suffolk University; LL.D. (Honorary), 1946, Jewish Theological Seminary; LL.D. (Honorary), 1946, Bethany College; D.C.S. (Honorary), 1948, Boston University; LL.D. (Honorary), 1950, John Carroll University; L.H.D. (Honorary), 1950, University of Louisville; D.Sc. (Honorary), 1952, Pennsylvania Military College; LL.D. (Honorary), 1952, University of Pennsylvania; LL.D. (Honorary), 1953, Fairleigh Dickinson University; D.Eng. (Honorary), 1953, Drexel Institute of Technology; LL.D. (Honorary), 1954, University of Southern California; LL.D. (Honorary), 1954, Pratt Institute; D.Sc. (Honorary), 1955, University of Notre Dame; LL.D. (Honorary), 1955, Fordham University; LL.D. (Honorary), Dropsie College, 1957; LL.D. (Honorary), University of Rhode Island, 1957; D.Sc. (Honorary), 1958, Temple University. IRE Offices: Secretary, 1915–17; Director, 1915–17; Manager, 1918–20. Committees: Constitutional Amendments, 1915; Financial Matters, 1915; Increase of Membership, 1916-18; Publicity, 1915-19, chairman, 1916-19; Wave Length Regulation, 1916-17. Sections: San Francisco Representation, 1915. Awards: Peter Cooper Medal for Advancement of Science, 1949; Grand Medal of Association des Ingénieurs-Docteurs of France, 1950; National Chairman, 1951, Red Cross Fund Campaign; Honorary Life Member, Engineers Club of Philadelphia, 1952; Honorary Fellow, Weismann Institute of Science, Rehovoth, Israel, 1952; Appointed Brigadier General, Reserve Army of U. S., 1953; Member of Honor Société Française des Ingénieurs Téchniciens du Vide, 1953; IRE Founders Award, 1953; First Keynoter Award, National Association of Radio-Television Broadcasters, 1953; Medal of Merit, Liaison Center, Professional Engineers and Inventors of France, 1954; Gold Medal, The Hundred Year Association of New York, 1955; James Forrestal Memorial Medal of National Security Industrial Association, 1956; U. S. Army Medal for Exceptional Civilian Service, 1956; Certificate of Appreciation, Illuminating Engineering Society, 1956; Gold Pin Award, Radio Pioneers, 1957; Life Member (Honorary), IRE, Australia, 1957.

SCHADE, Otto H. (M'40—SM'43—F'51), Staff Engineer, RCA Tube Department, Radio Corporation of America, 415 S. 5 St., Harrison, N.J.

Born: April 27, 1903, Schmalkalden, Germany. Attended Technische Hochschule, Berlin-Carlottenberg, 1922-24; D.E.E. (Honorary), 1953, Rensselaer Polytechnic Institute. Committees: Editorial Reviewer, 1954-59. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940; RCA Victor Award of Merit, Radio Corporation of America, 1946; IRE Morris Liebmann Memorial Prize, 1950; David Sarnoff Gold Medal, 1951; Fellow, Society of Motion Picture and Television Engineers, 1951.

SCHAIRER, Otto S. (M'43—SM'43—F'57), Consultant, 89 Battle Rd., Princeton, N.J.

Born: October 7, 1879, Saline, Mich. A.B., 1901, B.S.(E.E.), 1902, Dr. Eng. (Honorary), 1942, University of Michigan.

SCHELDORF, Marvel W. (A'36—SM'45—F'58), Research Engineer, Armour Research Foundation, 10 W. 35 St., Chicago 16, Ill.

Born: February 15, 1902, Westside, Iowa. B.Sc. (E.E.), 1923, Iowa State College. Committees: Antennas, 1946-50; Papers Review, 1946-51.

SCHELKUNOFF, Sergei A. (A'40—F'44), Assistant Vice President, Bell Telephone Laboratories, Inc., Murray Hill, N.J. Born: January 27, 1897, Samara, Russia. B.A., 1923, M.A., 1923, State College of Washington; Ph.D., 1928, Columbia University. Committees: Annual Review, 1947–48; Antennas, 1945–49; Antennas and Wave Guides, 1949–51; Editorial Reviewer, 1954; Papers, 1942–45; Papers Review, 1946; Radio Wave Propagation and Utilization, 1945–47, chairman, 1947–48; Standards, 1947–48. IRE Representative: ASA Sectional Committee (C61) on Electric and Magnetic Magnitudes and Units, 1949–59. Awards: IRE Morris Liebmann Memorial Prize, 1942; Stuart Ballantine Medal, Franklin Institute, 1949.

SCHELLENG, John C. (A'23—M'25—F'28)(L), Retired. Formerly Director of Radio Research, Bell Telephone Laboratories, Inc., Holmdel, N.J.

Born: November 12, 1892, Freeport, III. A.B., 1915, Cornell University. Committees: Annual Review, 1937–38; Antennas, 1944–49; Antennas and Wave Guides, 1949–50; Awards, 1943; Handbook, 1945–46; Methods of Testing Apparatus, Equipment and Devices, 1929–30; Radio Transmitters, 1945–48; Standardization, 1931–32; Standards, 1936–37; Transmitters, 1944–45; Transmitters and Antennas, 1936–45, *chairman*, 1936–38. IRE Representative: ASA Definitions Co-ordinating Committee, 1948; ASA Sectional Committee (C42) on Definitions of Electrical Terms, 1948–50; ASA Subcommittee (C42.13) on Communications, 1948–58; Joint IRE-AIEE-ASA (C42) Definitions Co-ordinating Committee, 1949–51.

SCHLEIMANN-JENSEN, Arne (A'45—SM'47—F'48), Owner, Schleimann-Jensen Laboratoriet, Klingsta Skogsväg 26, Danderyd, Sweden.

Born: July 27, 1906, Randers, Denmark. Radio and Telephone Course, Royal Technical University of Denmark, 1925-31.

SCHLESINGER, Kurt (A'41—SM'51—F'54), Engineering Consultant, Cathode Ray Tube Department, General Electric Company, Syracuse, N.Y.

Born: April, 1906, Berlin, Germany. Dipl. Eng., 1928; Dr. Eng. (Physics), 1929, Technische Hochschule, Berlin. Professional Groups: Broadcast and Television Receivers, Administrative Committee, 1953–55. Sections: Chicago, vice-chairman, 1953–54.

SCHMIT, Dominic F. (A'25—M'38—SM'43—F'51), Vice President, Product Engineering, Radio Corporation of America, Camden, N.J.

Born: August 30, 1902, Port Washington, Wis. B.S. (E.E.), 1923, University of Wisconsin.

SCHMITT, Otto H. (SM'44—F'55), Professor, Zoology and Physics (Biophysics), University of Minnesota, Minneapolis 14, Minn.

Born: April 6, 1913, St. Louis, Mo. B.A., 1934, Ph.D., 1937, Washington University. Professional Groups: Medical Electronics, vice-chairman, 1954–55. Awards: Sigma Xi Award, 1935; National Research Council Fellowship, 1937; Sir Halley Stewart Fellowship, 1938; Government Citation, 1950; Fellow, American Physical Society, 1953.

SCHOLZ, Carl E. (M'26—SM'43—F'56), Vice President and Chief Engineer, American Cable and Radio Corporation, 67 Broad St., New York 4, N.Y.

Born: November 29, 1894, Campbell, Calif. B.A.(M.F.), 1917.

Stanford University. Committees: Admissions, 1939, 1944-47; Constitution and Laws, 1938-40; Membership, 1934-40, chairman, 1938-39; Sections, 1938-40; Standardization, 1928-29; Tellers, 1941-44, chairman, 1943-44. Professional Groups: National Administration Committee on Communications Systems, 1955-58, vice-chairman, 1956. Awards: Fellow, American Institute of Electrical Engineers, 1955.

SCHOOLEY, Allen H. (A'35—SM'47—F'54), Associate Director of Research for Electronics, Naval Research Laboratory, Washington 25, D.C. During 1956, Research Adviser, Ministerio da Marinha, Rio de Janeiro, Brazil.

Born: December, 1909, Terril, Iowa B.S. (E.E.), 1931, Iowa State College; M.S. (E.E.), 1932, Purdue University. Professional Groups: Engineering Management, Washington, D.C., Chapter, vice-chairman, 1953-54, chairman, 1954-55. Sections: Washington, D.C., sccretary, 1955-56, vice-chairman, 1956-57, chairman, 1957-58; Organizer of Rio de Janeiro, Brazil Section in 1956. Awards: Navy Distinguished Civilian Service Award, 1946; Fellow, AAAS, 1950.

SCHRADER, Harold J. (A'31—M'38—SM'43—F'54), Staff Engineer, Missile & Surface Radar, Defense Electronic Products, Radio Corporation of America, Moorestown, N.J.

Born: May 2, 1900, Schuyler, Neb. Attended University of Nebraska, 1919-23. Sections: Philadelphia, chairman, 1938-39, secretary, 1942-44.

SCHREIBER, Ernst H. (A'28—M'32—SM'43—F'57), Engineering Education Activities, The Pacific Telephone and Telegraph Company, 403 W. 8 St., Los Angeles 14, Calif.

Born: August 22, 1900, Chicago, Ill. A.B. (Physics), 1922, M.A. (Physics), 1923, University of California. Sections: Los Angeles, chairman, 1932-33.

SCHRENK, Matthew H. (SM'46—F'57), Deputy Development Coordinator, Department of the Navy, Office of Naval Research. 17th St. & Constitution Ave., Washington 25, D.C.
Born: September 6, 1902, Naperville, Ill. B.A., 1922, North Central College; M.A., 1926, Syracuse University: Professional Groups: Administrative Committee, Military Electronics, 1957.
Sections: Washington, acting vice-chairman, 1952; Membership Committee, chairman, 1953. Awards: Presidential Certificate of Merit, 1946; Fellow, American Physical Society, 1952.

SCHROEDER, Alfred C. (A'38—SM'46—F'54), Color Television Research Engineer, RCA Laboratories, Princeton, N.J. Born: February 28, 1915, West New Brighton, N.Y. B.S., M.S., 1937, Massachusetts Institute of Technology. Awards: Radio Corporation of America Laboratory Awards, 1947, 1950, 1951, 1952, 1957.

SCHUCK, O. Hugo (A'34—M'44—SM'49—F'57), Director of Aeronautical Research, Minneapolis-Honeywell Regulator Company, 2600 Ridgeway Rd., Minneapolis 13, Minn.

Born: September 20, 1909, Philadelphia, Pa. B.S.(E.E.), 1931, M.S.(E.E.), 1932, Elect. Eng., 1938, University of Pennsylvania. Sections: Twin Cities, vice-chairman, chairman, 1947. Awards: Certificate of Appreciation, U. S. Navy, Department of Defense, 1947.

SCHULZ, Elmer H. (A'38—SM'46—F'58), Vice President, Armour Research Foundation of Illinois Institute of Technology, 10 W. 35 St., Chicago 16, Ill.

Born: October, 1913, Lockhart, Tex. B.S.(E.E.), 1935, M.Sc. (E.E.), 1936, University of Texas; Ph.D., 1946, Illinois Institute of Technology. IRE Offices: Director, 1959. Committees: Appointments, 1959; Education, 1945; Industrial Electronics, 1949–56; Policy Advisory, 1959. Professional Groups: Industrial Electronics Administrative Committee, 1953–56. Sections: Chicago, chairman, 1949–50. IRE Representative: National Electronics Conference, 1959. Awards: Fellow, AIEE, 1950.

SCHWAN, Herman P. (M'53—SM'55—F'59), Professor of Electrical Engineering, Moore School of Electrical Engineering, University of Pennsylvania, Philadelphia 4, Pa.

Born: August 7, 1915, Aachen, Germany. Ph.D. (Physics & Biophysics), 1940, Dr. habil (Biophysics), 1946, University of Frankfurt, Germany. **Professional Groups:** Executive Committee, Medical Electronics, 1955–58; Joint Executive Committee Medical Electronics, IRE-AIEE-ISA, 1955–57, vice-chairman, 1958; chairman 1959.

SCHWARZ, Bertram A. (M'29—SM'43—F'55), Technical Assistant to the General Manager, Delco Radio Division, General Motors Corporation, Kokomo, Ind.
Born: July 16, 1901, Cambridge, Mass.

SCOTT, Hermon H. (M'35-SM'43-F'52), President and Director of Engineering, Hermon Hosmer Scott, Inc., 111 Powdermill Rd., Maynard, Mass.

Born: March 28, 1909, Somerville, Mass. B.S., 1930, M.S., 1931, Massachusetts Institute of Technology. Committees: Audio Techniques, 1950–53, vice-chairman, 1950–52; Board of Editors, 1950–53; Editorial Reviewer, 1954; Electroacoustics, 1941–46. Sections: Boston, vice-chairman, 1948–49, chairman, 1949–50. Awards: Fellow, Acoustical Society of America; Fellow, Audio Engineering Society; John Potts Memorial Medal, 1951.

SCOTT, James C. W. (M'47—F'57), Chief Superintendent, Tele-communications Establishment, Defense Research Board, Department of National Defense, Ottawa, Ont., Canada. Born: March 1, 1904, Havre, France. B.Sc., 1930, University of Washington. Committees: Wave Propagation, 1956–59. Sections: Ottawa, chairman. 1951. Professional Groups: Canadian National Committee for URSI, sccretary, 1951–53; Canadian Commission on Ionosphere for URSI, chairman, 1951–57.

SCOTT-TAGGART, John (A'18—F'35), Wynwood, Beaconsfield, Buckinghamshire, England.
Born: May 27, 1897, Balton, Lancashire, England.

SEDDON, J. Carl (A'41—SM'53—F'58), Consultant, National Aeronautics Space Administration, Washington 25, D.C. Born: December, 1911, Schenectady, N.Y. B.S. (E.E.). 1933, B.Sc. (Physics), 1934, Union College; M.A., 1936, University of Buffalo. Awards: RESA Award in Pure Research, 1956.

SEELEY, Stuart W. (M'40—SM'43—F'43), Administrator, Microwave Communications Projects for Senior Executive Vice President of Radio Corporation of America, 30 Rockefeller Plaza, New York 20, N.Y.

Born: June 23, 1901, Chicago, Ill. B.S. (E.E.), 1925, Michigan State College. Committees: Admissions, 1944-48; Awards, 1949; Board of Editors, 1947-53; Circuits, 1944-48; Editorial Reviewer, 1954-59; Modulation Systems, 1947-51; Professional Groups. 1948; Receivers, 1950-58. Awards: Modern Pioneers Award. 1940; War Department Citation, 1947; IRE Morris Liebmann Memorial Prize, 1948.

SEELY, Samuel (A'39—SM'45—F'55), Professor and Head, Department of Electrical Engineering, Case Institute of Technology, Cleveland 6, Ohio.

Born: May 7, 1909, New York, N.Y. E.E., 1931, Polytechnic Institute of Brooklyn; M.S., 1932, Stevens Institute of Technology; Ph.D., 1936, Columbia University. IRE Offices: Director, 1957-59. Committees: Appointments, 1959; Editorial Reviewer, 1954-59; Education, 1955-59, chairman, 1957-58; Nominations, 1959; Papers Review, 1946-58; Policy Advisory, 1957-59. Sections: Syracuse, secretary-treasurer, 1950, secretary, 1951, chairman, 1952. IRE Representative: University of Syracuse, 1949; Joint AIEE-IRE Student Activities Coordination Committee, 1957. Awards: Army-Navy Certificate of Appreciation, 1947.

SELVIDGE, Harner (A'31—M'40—SM'43—F'58), Staff Engineer, Bendix Aviation Corporation, 117 E. Providencia St., Burbank, Calif.

Born: October 16, 1910, Columbia, Mo. B.S., 1932, M.Sc., 1933, Massachusetts Institute of Technology; S.M., 1934, S.D., 1937, Harvard University. Committees: Papers Review, 1944-53; Professional Groups, 1951-54. Professional Groups: Nuclear Science,

chairman, 1950, secretary-treasurer, 1951-53. Awards: Naval Ordnance Development Award, 1945, Navy Department, USN.

SHACKELFORD, Benjamin E. (A'23-M'26-F'38)(L), 743
Mosswood Ave., Orange, N.J.

Born: August 12, 1891, Richmond, Mo. A.B., 1912, A.M., 1913, University of Missouri; Ph.D., 1916, University of Chicago. IRE Offices: President, 1948; Director, 1945-50, 1953-55. Committees: Appointments, 1948; Awards, 1941, 1943-44, 1950; Bibliography, 1930-31, chairman, 1930; Board of Editors, 1937-40; Building Fund, chairman, 1944-45; Constitution and Laws, 1946-47; chairman, 1947; Convention Policy, 1947-50; Education, 1949; Executive, 1948-49; chairman, 1948; Frequency Modulation, 1942-46; Institute Sections, 1929-34, chairman, 1933; Meetings and Papers, 1929; National Convention, 1947; New York Program, 1941-42; Nominations, 1949-50; Papers, 1932-36; Papers Procurement, 1942-43; Planning, 1947; Policy Development, 1949-50; chairman, 1949; Professional Groups, 1950; Sections, 1943-45, 1949-50; Special Papers, chairman, 1940-41; Special Publications Fund, 1947; Standardization, 1931-32; Standards, 1932-33; Winter Technical Meeting, chairman, 1944. IRE Representative: ASA Sectional Committee on Definition of Electrical Terms, Subcommittee on Vacuum Tubes, 1936, 1939-48; ASA Sectional Committee on Vacuum Tubes for Industrial Purposes, 1936, 1939-48.

SHANK, Robert J. (S'37—A'39—SM'49—F'58), Vice President, Systems Management, Hughes Aircraft Company, Culver City, Calif.

Born: March 19, 1914, LaJunta, Colo. A.B., 1935, Goshen College; B.Sc. (E.E.), 1937, Purdue University. Sections: Dayton NCAE, Director, 1955-57. Professional Groups: Administrative Committee, Aeronautical and Navigational Electronics, 1956-58; Airborne Electronics, 1951-53.

SHANON, Claude E. (S'36—M'48—SM'49—F'50), Research Mathematician, Bell Telephone Laboratories, Inc., Murray Hill, N.J.; Visiting Professor, Massachusetts Institute of Technology, 1956.

Born: April, 1916, Petoskey, Mich. B.S. (E.E.), 1936, University of Michigan; S.M. (E.E.), 1940, Ph.D. (Mathematics), 1940, Massachusetts Institute of Technology. IRE Representative: IRE-AIEE Committee on Noise Definitions, 1949–51. Awards: Alfred Nobel Prize, AIEE, 1940; IRE Morris Liebmann Memorial Prize, 1949; Stuart Ballantine Medal, Franklin Institute, 1955.

SHARPLESS, William M. (A'28—M'38—SM'43—F'58), Radio Research Engineer, Bell Telephone Laboratories, Inc., P.O. Box 107, Red Bank, N.J.

Born: September, 1904, Minneapolis, Minn. B.Sc. (E.E.), 1928, E.E., 1951, University of Minnesota. Sections: New York, Executive Committee, 1956–57; Monmouth Subsection, chairman, 1956–57. Professional Groups: Liaison for Antennas and Propagation, Microwave Theory and Techniques; National Symposium on Microwave Techniques, 1956.

SHAW, George R. (M'40—SM'43—F'54), Chief Engineer, Tube Division, Radio Corporation of America, 415 S. 5 St., Harrison, N.J.

Born: December 13, 1895, Frederick, Md. A.B., 1915, M.A., 1916, Washington and Lee University; Ph.D., 1920, University of Wisconsin.

SHAW, Henry S. (A'17-M'21-F'35)(L), Retired. 3048 Renatta Dr., Largo, Fla.

Born: November 29, 1884, Boston, Mass. A.B., 1906, Harvard University.

SHEA, Richard F. (A'29—M'32—SM'43—F'54), Consulting Engineer, Electronics, Power Plant Equipment, Knolls Atomic Power Laboratory, General Electric Company, Schenectady. N.Y.

Born: September 13, 1903, Boston, Mass. B.S., 1924, Massachusetts Institute of Technology. Committees: Admissions, 1947-48; Annual Review, 1950-51; Editorial Reviewer, 1954-59; Papers,

Review, 1953; Radio Receivers, 1946-56, vice-chairman, 1948-49, chairman, 1949-51; Radio Frequency Interference, 1955; Standards, 1949-57, vice-chairman, 1954-56, chairman, 1957-59. Sections: Connecticut Valley, secretary, 1943, vice-chairman, 1944, chairman, 1945; Syracuse, vice-chairman, 1952, chairman, 1953. IRE Representative: ASA Committee (N-3), Nuclear Instrumentation, 1958-59; ASA Electrical Standards Board, 1958-59; I.E.C. U. S. National Committee, 1958-59; Editor of PGNS Transactions, Member of PGNS Administrative Committee.

SHELDON, John L. (SM'53—F'56), Staff Research Manager, Electrical Products Division, Corning Glass Works, Corning. N.Y.

Born: September, 1904, Battle Creek, Mich. B.S., 1935, Battle Creek College; M.S., 1938, Ph.D., 1940, University of Michigan. Committees: Admissions, 1955-56, chairman, 1957-59. Sections: Elmira-Corning, vice-chairman, 1953-54, chairman, 1954-55.

SHEPHERD, James E. (A'36—SM'44—F'48), Manager Electronic Tube Division, Sperry Gyroscope Company, Great Neck, L.I., N.Y.

Born: May 29, 1910, Houston, Tex. A.B. (Physics, E.E.), 1932, M.A. (E.E.), 1933, University of Missouri; M.S., 1935, D.Sc. (Communication Engineering), 1940, Harvard University IRE Offices: Director, 1948-50. Committees: Admissions, 1945; Awards, 1951-53; Constitution and Laws, chairman, 1949-50; Convention Policy, chairman, 1947-50; Membership, 1943; National Convention, 1947-48, chairman, 1947; Sections, 1946-52; Tellers, 1946-47; Winter Technical Meeting, vice-chairman, 1945-46. Sections: New York, secretary-treasurer, 1943-44, vice-chairman, 1945-47, chairman, 1947-49.

SHEPHERD, William G. (A'42—SM'49—F'52), Professor and Head, Electrical Engineering, University of Minnesota, Minneapolis 14, Minn.

Born: August 28, 1911, Fort William, Out., Canada. B.S. (E.E.), 1933, Ph.D., 1937, University of Minnesota. Committees: Electron Devices, 1952–56, vice-chairman, 1954–56; Electron Tubes, 1955–58; Electron Tubes and Solid State Devices, 1951–52; Fellow. Professional Groups: Electron Devices, Administrative Committee, 1955–58.

SHOCKLEY, William (SM'51—F'55), President, Shockley Transistor Corporation, Subsidiary of Beckman Instruments, Inc., Palo Alto, Calif.

Born: February 13, 1910, London, England, B.S., 1932, California Institute of Technology; Ph.D., 1936, Massachusetts Institute of Technology; D.Sc. (Honorary), 1955, University of Pennsylvania; D.Sc. (Honorary), 1956, Rutgers University. Awards: Medal of Merit, War Department, 1946; Citation of Honor, Air Force Association, 1951; IRE Morris Liebmann Award, 1952; Oliver E. Buckley Solid State Physics Prize, American Physical Society, 1953; Certificate of Appreciation, U. S. Army, 1953; Comstock Prize, National Academy of Sciences, 1954; Nobel Prize in Physics, 1956.

SHOUPP, William E. (SM'45—F'51), Technical Director, Westinghouse Atomic Power Department, P.O. Box 355, Pittsburgh, Pa.

Born: October 5, 1908, Troy. Ohio. B.A., 1931, Miami University; M.A., 1933, Ph.D., 1937, University of Illinois. Committees: Nuclear Studies, 1948-50; Papers Procurement, 1949-50; Professional Groups, 1955. Professional Groups: Nuclear Science, chairman, 1956-57. IRE Representative: ASA Nuclear Standards Board. Sections: Pittsburgh, chairman, 1946-47.

SILING, Philip F. (M'40—SM'43—F'51), Director, RCA Frequency Bureau, 30 Rockefeller Plaza, New York 20, N.Y. and 1625 K St., N.W., Washington 6, D.C.

Born: August 14, 1897, Oil City, Pa. Ph.B., 1917, Yale University. Committees: National Convention, vice-chairman, 1947; Nominations, 1946; Winter Technical Meeting, 1946. IRE Representative: Joint Technical Advisory Committee, 1948–58, chairman, 1948, 1958.

SILVER, Samuel (M'46—SM'50—F'54), Professor of Engineering Science and Director of the Electronics Research Laboratory, Department of Electrical Engineering, Cory Hall, University of California, Berkeley 4, Calif.

Born: February, 1915, Philadelphia, Pa. A.B., 1935, M.A. 1937, Temple University; Ph.D. (Physics), 1940, Massachusetts Institute of Technology. Professional Groups: Commission on Radio Waves and Circuits, International Scientific Radio Union, president, 1954-60; U.S.A. National Committee of I.S.R.U., secretary, 1958-; Member, PGAP and PGMTT. Sections: San Francisco, director, 1956-58. Awards: Guggenheim Fellowship, John Simon Guggenheim Memorial Foundation, 1953-54.

SILVERMAN, Daniel (A'42—SM'51—F'53), Geophysical Research Director, Pan American Petroleum Corporation, P.O. Box 591, Tulsa, Okla.

Born: June 24, 1905, Montreal, P.Q., Canada, B.S., 1927, University of California; M.S., 1929, Sc.D., 1930, Massachusetts Institute of Technology. Committees: Fellow, 1959; Papers Procurement, 1947–50. Sections: Tulsa, chairman, 1951–52. Awards: Medalist, 1927; Heller Travelling Fellow, 1928–30, University of California.

SIMON, Emil J. (IRE Charter Member) (M'12—F'15) (L), Consulting Engineer, 50 Church St., New York 7, N.Y.

Born: October 25, 1888, New York, N.Y. Attended Columbia University, 1905–09. IRE Offices: Sccretary, 1912–14; Director, 1912–14; Manager, 1915. Committees: Publicity, 1913, 1915; Specifications for Steamship Radio Equipment, 1914–15; Standardization, 1914–15. Awards: Marconi Medal for Service; Veteran Wireless Operators Association, 1958.

SIMPSON, LeRoy C. (J'28—A'30—M'41—SM'43—F'59), Manager, Systems Projects, RCA International Division, Clark, N.J.

Born: April 24, 1908, Worcester, Mass. B.Sc., 1928, University of New Hampshire. Sections: Buenos Aires, founding member, 1939, secretary-treasurer, 1941, vice-chairman, 1942-43, chairman, 1944

SINCLAIR, Donald B. (J'30—A'33—M'38—SM'43—F'43), Vice President, General Radio Company, 22 Baker Ave., West Concord. Mass.

Born: May 23, 1910, Winnipeg, Man., Canada. S.B., 1931, S.M. 1932, Sc.D., 1935, Massachusetts Institute of Technology. IRE Offices: President, 1952; Vice President, 1959; Treasurer, 1949-50; Director, 1945-54, 1958-59. Committees: Admission, 1948; Antennas, 1944-47; Appointments, 1958-59; chairman, 1954; Awards, 1951; Editorial Reviewer, 1955-59; Executive, 1948-50, 1952-53, 1959, vice-chairman, 1949-50, chairman, 1952; Finance, ex officio, 1949-50, 1952-53; Membership, 1947-48, 1953-56; National Convention, 1949; Nominations, 1948, 1953-54, chairman, 1954; Papers, 1941-45; Papers Procurement, 1945-46; Planning, 1947; Radio Transmitters, 1945-46; Special Publication Fund, 1947; Television, 1940-46; Transmitters, 1944; Transmitters and Antennas, 1941-44. Professional Groups: Administrative Committee Engineering Management, 1957-59. IRE Representative: Radio Technical Planning Board, 1947, alternate, 1946; Joint IRE-AIEE Co-ordination Committee, 1952 (ex officio). Awards: Fellow, American Institute of Electrical Engineers; President's Certificate of Merit, 1948.

SINCLAIR, George (A'37—SM'46—F'54), Professor (President, Sinclair Radio Laboratories, Ltd.), Electrical Building, University of Toronto, Toronto 12, Ont., Canada.

Born: November, 1912, Hamilton, Ont., Canada. B.Sc., 1933, M.Sc., 1935, University of Alberta; Ph.D., 1946, Ohio State University. Committees: Antennas, 1945–49; Antennas and Wave Guides, 1946–59; Awards, 1956–59; Editorial Reviewer, 1954–59; Education, 1951–59; Papers Review, 1951–53; Professional Groups, 1959; Wave Propagation, 1946–55; Wave Propagation and Utilization, 1946–49. Professional Groups: Antennas and Propagation, chairman, 1951; Administrative Committee, Microwave Techniques, 1957–59. IRE Representative: University of Toronto, 1948–58; Technical Program Committee, Canadian IRE

Convention, chairman, 1956-57; Canadian IRE Convention, general chairman, 1958. Sections: Toronto, vice-chairman, 1950, chairman, 1951. Awards: U. S. War and Navy Departments, Certificate of Appreciation, 1948; Guggenheim Fellowship, 1958.

SINNETT, Chester M. (SM'52—F'55), Manager, Advanced Development Engineering Section, RCA Victor Television Division, Camden 8, N.J.

Born: January 19, 1900, Livermore Falls, Me. B.S.E.E., 1924, University of Maine. Sections: Philadelphia, secretary-treasurer, 1950, chairman, 1952.

SKELLETT, A. Melvin (M'44—SM'50—F'56), Director of Research, Tung-Sol Electric, Inc., 200 Bloomfield Ave., Bloomfield N.I.

Born: July 14, 1901, St. Louis, Mo. A.B., 1924, M.S., 1927, Washington University; Ph.D., 1933, Princeton University, Committees: Accounting, 1949–50; Awards, 1950, 1958–59; Membership, 1949–50; Papers Procurement, 1945–46. Sections: Northern New Jersey, chairman, 1956–57.

SKIFTER, Hector R. (A'31—M'36—SM'43—F'51), President, Airborne Instruments Laboratory, Division of Cutler-Hammer, Inc., Mineola, L.I., N.Y.

Born: March 4, 1901, Austin, Minn. B.A., 1922, Sc.D., 1945, Saint Olaf College. Committees: Navigation Research and Development Board, chairman, 1950-51. Sections: New York Section for PGEM, program chairman, Member, Administrative Committee. Awards: Presidential Certificate of Merit, 1947.

SLATTERY, John J. (J'29—A'30—SM'46—F'56), Manager, West Coast Operations, Government and Industrial Divisions, The Magnavox Company, West Los Angeles, Calif.

Born: August 2, 1909, East Orange, N.J. B.S.(E.E.), 1930, Villanova College; M.S.(Physics and Math.), 1949, Stevens Institute of Technology. Professional Groups: Engineering Management, secretary, 1955–56; Military Electronics; Medical Electronics. Awards: Legion of Merit, U. S. Army, 1945.

SLEPIAN, Joseph (SM'45—F'45), Retired. 1115 Lancaster St., Pittsburgh 18, Pa.

Born: February 11, 1891, Boston, Mass. A.B., 1911, A.M., 1912, Ph.D., 1913, Harvard University; Dr. Eng. (Honorary), 1949, Case Institute of Technology; Dr.Sc. (Honorary) 1955, University of Leeds. Awards: John Scott Medal, 1932; AIEE Award, 1933; Benjamin Garver Lamme Medal, 1942, AIEE; Edison Medal, 1948, AIEE.

SLOAN, David H. (A'27—SM'50—F'59), Associate Professor, University of California, Berkeley 4, Calif. Born: September 8, 1905, Lyman, Wash. B.S., 1928, M.S., 1929, Washington State College; Ph.D., 1941, University of California.

SMALE, J. A. (F'58), Retired from Cable and Wireless Ltd., London, England; Technical Consultant, Marconi's Wireless Telegraph Co., Ltd., Chelmsford, England; Chairman, Cyprus Luland Telecommunications Authority.

Born: February 16, 1895, Lydney, England. B.Sc. (E.E.), 1914, Bristol University. Awards: Commander of the Order of the British Empire, 1953.

SMITH, Carl E (A'30—M'39—SM'43—F'55), Proprietor, Carl E. Smith Consulting Radio Engineers; President, Smith Electronics, Inc., 8200 Snowville Rd., Brecksville, Ohio and 4501 West Pleasant Valley Rd., Cleveland 34, Ohio; President, Cleveland Institute of Radio Electronics, 4900 Euclid Ave., Cleveland 3, Ohio.

Born: November 18, 1906, Eldon, Iowa. B.S. (E.E.), 1930, Iowa State College; M.S. (E.E.), 1932, E.E., 1936, Ohio State University. Committees: Board of Editors, 1946–53; Editorial Reviewer, 1954–59; Industrial Electronics, 1956–58; Professional Groups, 1955. Professional Groups: Industrial Electronics Administrative Committee, 1950–60, secretary, 1951–54, vice-chairman, 1954–56, chairman, 1956–57; Broadcasting Administrative Committee, 1955–57. Sections: Cleveland, chairman, 1940–41; Summer Con-

vention, chairman 1942. Awards: War Department Commendation for Exceptional Civilian Service, 1946; Fellow, American Institute of Electrical Engineers, 1956.

SMITH, David B. (A'35—SM'44—F'48), Vice President, Philco Corporation, Tioga & C. Sts., Philadelphia 34, Pa. Born: December 3, 1911, Newton, N.J. S.B., 1933, S.M., 1934, Massachusetts Institute of Technology. IRE Offices: Director, 1947. Committees: Frequency Modulation, 1940–47; Membership, 1949–51; Public Relations, 1947–48; Special Publications Fund, 1947; Television, 1942–49; Television Systems, 1949–59. Sections: Philadelphia, chairman, 1945–46. IRE Representative: IRE-RMA Problem No. 2 Committee.

SMITH, J. Ernest (A'37—SM'47—F'55), Vice President and Director of Engineering, Datamatic Division, Minneapolis-Honeywell Regulator Company, 151 Needham St., Newton Highlands 61, Mass.

Born: July 9, 1908, Carrollton, Mo. B.A. 1932, Jamestown College; M.E.E., 1944, Polytechnic Institute of Brooklyn; D.Sc. (Honorary), 1959, Jamestown College. Committees: Annual Review, 1949–50; Membership, 1929–35, 1937–40; Papers Procurement, 1947–48; Papers Review, 1949–53; Radio Transmitters, 1949–50.

SMITH, Newbern (A'41—SM'46—F'52), Professor of Electrical Engineering, University of Michigan, Ann Arbor, Mich. Born: January 21, 1909, Philadelphia, Pa. B.S.(Eng.), 1930, M.S.(Eng.), 1931, Ph.D.(Physics), 1935, University of Pennsylvania Committees: Administrative Committee of the Board of Editors, 1951-53; Board of Editors, 1951-53; Editorial Administrative, 1949-51; Professional Groups, 1948; Standards, 1952-56; Wave Propagation, 1948-56, chairman, 1952-55. Professional Groups: Antennas and Propagation, chairman, 1950; Communications Systems. Awards: IRE Harry Diamond Memorial Award, 1952.

SMITH, Otto J. M. (M'44—SM'51—F'59), Professor, University of California, Berkeley 4, Calif.

Born: August, 1917, Urbana, Ill. B.S. (Chemistry), 1938, Oklahoma A and M College; B.S. (E.E.), 1938, University of Oklahoma; Ph.D. (E.E.), 1941, Stanford University. Committees: Editorial Reviewer, 1954–59. Professional Groups: Automatic Control Administrative Committee, 1958–59. Sections: San Francisco, secretary, 1952. Awards: AIEE First Prize, Technical Paper Contest, 1953.

SMITH, Phillip H. (A'34—SM'46—F'52), Technical Staff, Bell Telephone Laboratories, Inc., Morristown Rd., Whippany, N.J. Born: April 29, 1905, Lexington, Mass. B.S.(E.E.), 1928, Tufts College. Committees: Antennas, 1946—49; Antennas and Wave Guides, 1949–59, vice-chairman, 1953–54, chairman, 1954–55; Subcommittee 2.6, chairman, 1959; Standards, 1954–56. Professional Groups: Antennas and Propagation, secretary-treasurer, 1953–54.

SMITH-ROSE, Reginald L. (SM'44—F'44), Director of Radio Research, Department of Scientific and Industrial Research, Radio Research Station, Ditton Park, Slough, Buckinghamshire, England.

Born: April 2, 1894, London, England. B.Sc., 1914, M.Sc., 1922, Ph.D., 1923, D.Sc., 1926, Imperial College of Science and Technology. IRE Offices: Vice President, 1948; Director, 1948. Committees: Radio Wave Propagation, 1944–45; Radio Wave Propagation and Utilization, 1945–49; Wave Propagation, 1949–59. IRE Representative: IRE-IEE International Liaison Committee, 1955–59. Awards: Student Premium, 1917; Wireless Premium, 1925, 1938, 1939; Duddell Premium, 1942, Institution of Electrical Engineers, London; Coronation Medal, 1937, 1953; United States Medal of Freedom with Silver Palm, 1947; Fellow, City and Guilds Institute, 1951; Commander of the Order of the British Empire, 1952.

SMULLIN, Louis D. (S'39—A'40—SM'51—F'57), Associate Professor Electrical Engineering, Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge, Mass.

Born: February 5, 1916, Detroit, Mich. B.S.(E.E.), 1936, University of Michigan; M.S., 1939, Massachusetts Institute of Technology. Committees: Editorial Reviewer, 1954-59. Awards: Army-Navy Certificate of Appreciation, 1948.

SMYTH, John B. (SM'52—F'56), Smyth Research Associates, 3555 Aero Court, San Diego 11, Calif.

Born: June 8, 1914, Pembroke, Ga. B.S., 1934, M.S., 1937, University of Georgia; Ph.D., 1942, Brown University, Committees: Wave Propagation, 1956-59. Professional Groups: Antennas and Propagation, Editor of Transactions, 1953-59; Administrative Committee, PGAP, 1952-59. Awards: Electronics Achievement Award, Seventh Region, IRE, 1954.

SNOW, Harold A. (A'24—VA'39—F'56), Senior Scientist, International Telephone and Telegraph Laboratories, 500 Washington Ave., Nutley, N.J.

Born: October, 1898, Santa Barbara, Calif. B.S.(E.E.), 1921, George Washington University.

SORIA, Rodolfo M. (S'38—A'43—M'46—SM'49—F'58), Vice President, Research & Engineering, Amphenol-Borg Electronics Corporation, 25th Avenue at Cermak, Broadview, Ill.

Born: May 16, 1917, Berlin, Germany, B.S. (E.E.), 1939, M.S., (E.E.), 1940, Massachusetts Institute of Technology; Ph.D. (E.E.), 1947, Illinois Institute of Technology. Committees: Antennas and Waveguides, 1950-51; Awards, 1959. Sections: Chicago, treasurer, 1954-55, vice-chairman, 1955-56, chairman, 1956-57. Professional Groups: Component Parts Administrative Committee, 1955-58, chairman, 1956-58. IRE Representative: National Electronics Conference, 1952-54; International Electrotechnical Commission, Advisor on high frequency cables and connectors, Philadelphia, 1954.

SOUTHWORTH, George C. (M'26—F'41), Technical Consultant, 19 Williams Rd., Chatham, N.J.
Born: August 24, 1890, Little Cooley, Pa. B.S., 1914, Grove City College; Ph.D., 1923, Yale University; Sc.D. (Honorary), 1931, Grove City College. Committees: Circuit Elements, 1928–29; Meetings and Papers, 1930; Papers, 1931–34; Standardization, 1928. Awards: IRE Morris Liebmann Memorial Prize, 1938; Louis Levy Medal, Franklin Institute, 1946; Stuart Ballantine Medal, Franklin Institute, 1947.

SPANGENBERG, Karl R. (A'34—SM'45—F'49), Engineering Consultant, 2100 Page Mill Rd., Palo Alto, Calif. Born: April 1910, Cleveland, Ohio. B.S.(E.E.), 1932, M.S.(E.E.), 1933, Case Institute of Technology; Ph.D., 1937, Ohio State University. Committees: Awards, 1950; Education, 1946, 1949–51; Electron Tubes, 1955; Membership, 1941; Papers, 1943–45; Papers Procurement, 1942–43, 1945; Regular Papers, 1941. Sections: San Francisco, secretary, 1940–43, chairman, 1943–44. IRE Representative: Stanford University, 1942–47.

SPEAKMAN, Edwin A. (A'43—M'44—SM'48—F'54), Vice President and General Manager, Fairchild Guided Missiles Division, Wyandanch, L.I., N.Y.; Manager of Planning, RCA Defense Electronic Products, Camden, N.I.

Born: August 14, 1909, Gratz, Pa. B.S., 1931, Haverford College. Committees: IRE Symposium on Components, Planning Committee, 1950. Professional Groups: Military Electronics, National Administrative Committee, 1955–57, chairman, 1958–59. Awards: Naval Civilian Service Award, 1947; Naval Citation, U. S. Navy. 1948; Associate Fellow, Institute of Aeronautical Sciences, 1953.

SPENCER, Percy L. (A'53—SM'53—F'55), Senior Vice President and General Manager, Microwave and Power Tube Division, Raytheon Manufacturing Company, Waltham 54, Mass. Born: July 9, 1894, Howland, Me. Sc.D. (Honorary) 1950, University of Massachusetts. Awards: Naval Ordnance Development Award, 1945; USN Certificate of Commendation, 1947; USN Distinguished Public Service, 1949; Fellow, American Academy of Arts and Sciences, 1955.

SPITZER, Edwin E. (A'28—M'38—SM'43—F'56), Manager.
Power Tube Operations, Industrial Tube Products, Radio Cor-

poration of America, Lancaster, Pa.

Born: February, 1905, Fitchburg, Mass. B.S., 1926, M.S., 1927, Massachusetts Institute of Technology. Committees: Papers Review, 1946–52. Sections: Lancaster Subsection, vice-chairman, 1950–51, chairman, 1951–52.

STEARNS, H. Myrl (S'39—A'40—SM'48—F'59), President, Varian Associates, 611 Hansen Way, Palo Alto, Calif. Born: April, 1916, Kiesling, Wash. B.S.(E.E.), 1937, University of Idaho; E.E., 1939, Stanford University. Committees: Frequency Modulation, 1946–47. Sections: Palo Alto, Subsection, secretary, 1951; chairman, 1953. Awards: Certificate of Commendation, Secretary of Navy, 1946.

STEEL, W. Arthur (M'19—SM'43—F'50)(L), Director, Standard Telephones and Cables Manufacturing Company, Ltd., 9600 St. Lawrence Blvd., Montreal, P.Q., Canada.

Born: November, 1890, Castleton, Ont., Canada. B.A.Sc., 1915, Toronto University. Committees: Broadcast, 1936-37. Sections: Ottawa, chairman, 1945-46.

STEEN, Jerome R. (A'36—M'36—SM'43—F'50), Reliability Specialist, Sylvania Electric Products, Inc., 189 "B" Street, Needham 94, Mass.

Born: June 29, 1901, West Bloomfield, N.Y. B.S.(E.E.), 1923, University of Wisconsin. Committees: Annual Review, 1948-49; Editorial Reviewer, 1954-59; Electron Tubes, 1946-47; Electronics, 1944-45; Instruments and Measurements, 1949-50; Measurements and Instrumentation, 1950-55; Papers Review, 1948-55; Professional Groups, 1950-52; Standards, 1948-51; Symbols, 1945-47; Vacuum Tubes, 1945-46. IRE Representative: ASA Sectional Committee (C67) on Standardization of Voltages—Preferred Voltages—100 Volts and Under, 1951-53 (No IRE Voting Representative; Liaison, 1954, 1958-59). Awards: Fellow, American Society for Quality Control; Fellow, Radio Club of America.

STEVENS, Archie M. (A'12—M'25—F'31)(L), Radio Engineer, 539 Prospect Ave., Mamaroneck, N.Y.
Born: September 22, 1887, Glidden, Iowa. A.B., 1909, Leland

Born: September 22, 1887, Glidden, Iowa. A.B., 1909, Leiand Stanford Junior University. Sections: Buenos Aires, chairman, 1940.

STODDART, Richard R. (SM'45—F'58), President, Stoddart Aircraft Radio Co., Inc., 6644 Santa Monica Blvd., Hollywood 38, Calif.

Born: December 1, 1900, New York, N.Y.

STONE, Ellery W. (A'14—M'16—F'24)(L), Rear Admiral, United States Naval Reserve; Chairman of the Board, American Cable and Radio Corporation; Chairman of the Board, All America Cables and Radio, Inc.; Chairman of the Board, The Commercial Cable Company; Chairman of the Board, Mackay Radio and Telegraph Company; Vice President and Director, International Telephone and Telegraph Corporation; Director, International Marine Radio Company, Ltd. (England), 67 Broad St., New York, N.Y.

Born: January 14, 1894, Oakland, Calif. Committees: Meetings and Papers, 1930; Membership, 1925. Awards: Grand Officer, Crown of Italy, 1944; United States Army Distinguished Service Medal, 1945; Knight Commander of the British Empire, 1945; Knight of Grand Cross of St. Maurice and St. Lazarus, Italian Government, 1945; Knight of Grand Cross, San Marino, 1946; United States Navy Distinguished Service Medal, 1946; Marconi

Medal of Achievement, VWOA, 1953.

STRAITON, Archie W. (M'47—SM'49—F'53), Professor of Electrical Engineering and Director, Electrical Engineering, Research Laboratory, Department of Electrical Engineering, University of Texas Austin Tex.

University of Texas, Austin, Tex.
Born: August, 1907, Arlington, Tex. B.S.(E.E.), 1929, M.A.
1931, Ph.D., 1939, University of Texas. IRE Offices: Director,
1953-54. Committees: Appointments, 1954; Awards, 1956-58;

Editorial Reviewer, 1955-59; Education, 1955-59; Nominations, 1953-54; Policy Advisory, 1953-54; Wave Propagation, 1949-59. IRE Representative: University of Texas, 1947-50.

STRANDBERG, Malcom W. P. (A'42—SM'51—F'59), Associate Professor of Physics, Massachusetts Institute of Technology, Cambridge 39, Mass.

Born: March 9, 1919, Box Elder, Mont. S.B., 1941, Harvard University; Ph.D., 1948, Massachusetts Institute of Technology.

STRATTON, Julius A. (M'42—SM'43—F'45), President, Massachusetts Institute of Technology, Cambridge 39, Mass.
Born: May 18, 1901, Seattle, Wash. S.B., 1923, S.M., 1925, Massachusetts Institute of Technology; Sc.D., 1927, Technische Hochschule, Zurich, Switzerland; D.Eng. (Honorary), 1955, New York University; D.Sc. (Honorary), 1957, St. Francis Xavier University; LL.D. (Honorary), 1958, Union College. IRE Offices: Director, 1948–51, 1954. Committees: Annual Review, 1945–46; Appointments, 1948; Board of Editors, 1946–53; Editorial Board, 1954–55; Education, 1945; IRE-IEE International Liaison, 1949, 1958–59; Membership, 1947–48; Policy Development, 1949–51; Professional Groups, 1954; Radio Wave Propagation and Utilization, 1945–48, chairman, 1945–47; Standards, 1945–46. Awards: Presidential Medal for Merit, 1946; IRE Medal of Honor, 1957.

STRONG, Charles E. (A'25—M'27—SM'43—F'49), Chief Radio Engineer, Standard Telephones and Cables, Ltd., Oakleigh Rd., New Southgate, N. 11, London, England.

Born: November, 1898, Omagh, Tyrone County, Northern Ireland. B.A., 1922, Trinity College, Dublin; B.A.I., 1922, University of Dublin. Awards: Officer of the Order of the British Empire, 1947.

STRUTT, Max J. O. (SM'46—F'56), Professor, Director, Institute of Advanced Electrical Engineering, Dean of Electrical Engineering, Swiss Federal Institute of Technology, Zurich, Switzerland.

Born: October, 1903, Surakarta, Java, Indonesia. E.E., 1926, d.Tech.Sc., 1927, Institute of Technology, Delft, Holland. Awards: Doctor (honoris causa,) Institute of Technology, Karlsruhe, Germany, 1950; Gauss Medal, Brunswick (Germany) Society of Sciences, 1954; Honorary Member, Brunswick Society of Sciences, 1955; Honorary Member, International Television Committee, 1956.

SUITS, C. Guy (SM'55—F'56), Vice President, Director of Research, General Electric Company, The Knolls, Schenectady, N.Y.

Born: March 12, 1905, Oshkosh, Wis. B.A., 1927, University of Wisconsin; D.Sc., 1929, Technische Hochschule, Zurich, Switzerland; D.Sc. (Honorary), 1944, Union College; D.Sc. (Honorary), 1946, Hamilton College; D.Eng. (Honorary), 1950, Rensselaer Polytechnic Institute; D.Sc. (Honorary), 1955, Drexel Institute of Technology. Awards: America's Young Men Award, 1940; His Majesty's Medal for Service in the Cause of Freedom, 1948; Medal for Merit, U. S. Government, 1948; Silliman Lecturer, Yale University, 1952; Procter Prize Award, Scientific Research Society of America, 1958.

SULZER, Peter G. (A'46—M'55—SM'56—F'58), Consulting Engineer, 5526A Dorsey Lane, Washington 16, D.C. Born: August 3, 1922, Media, Pa. B.S.(E.E.), 1948, M.Sc.(E.E.), 1949, Pennsylvania State College.

SUNSTEIN, David E. (M'44—SM'51—F'58), President, General Atronics Corporation; Vice President, Atronic Products, Inc., One Bala Ave., Bala-Cynwyd, Pa.

Born: July 29, 1918, Pittsburgh, Pa. B.S. (E.E.), 1940, Massachusetts Institute of Technology. Committees: Editorial Reviewer. 1955–58. Awards: Army-Navy Individual Merit Certificate, U. S. Navy, 1945.

SWINYARD, William O. (A'37—M'39—SM'43—F'45), Vice President and Chief Engineer, Hazeltine Research, Inc., 5443 W. Diversey Ave., Chicago 39, Ill. Born: July 17, 1904, Logan, Utah. B.S., 1927, Utah State University. IRE Offices: Director, 1945-46. Committees: Annual Review, 1947-48; Education, 1945-48; National Convention, 1947; Radio Receivers, 1946-54, 1954-59, chairman, 1946-48, vice-chairman, 1956-57; Sections, 1945-50, chairman, 1946-47; Standards, 1947-48. Professional Groups: PGBTR Administrative Committee, 1957, vice-chairman, 1958. Sections: Chicago, secretary, 1943-44; chairman, 1944-45. IRE Representative: National Electronics Conference, president, 1946; chairman of the board, 1947; TASO Panel 2, chairman. Awards: President, Radio Engineers Club of Chicago, 1945; Eta Kappa Nu (Professor Member), Fellow, Radio Club of America, 1956; Fellow, American Association for the Advancement of Science, 1958.

SYKES, Roger A. (A'41—M'42—SM'43—F'57), Transmission Apparatus Engineer, Bell Telephone Laboratories, Inc., North Andover, Mass.

Born: February 17, 1908, Windsor, Vt. B.S., 1929, M.S., 1930, Massachusetts Institute of Technology; 1930-34, Columbia University. Committees: Piezoelectric Crystals, 1945-59, vice-chairman, 1948-51, chairman, 1951-56, 1957; Standards, 1951-54.

SZEGHO, Constantin S. (A'41—SM'51—F'52), Vice President in Charge of Research, The Rauland Corporation, 4245 N. Knox Ave., Chicago 41, Ill.

Born: March 15, 1905, Hungary. Dr. of Engineering, 1932, Institute of Technology, Aachen, Germany; E.E., 1928, Institute of Technology, Munich, Germany. Committees: Papers Review, 1952-53.

SZIKLAI, George C. (A'41—M'43—SM'43—F'55), Assistant to the Vice President, Engineering, Wastinghouse Electric Corporation, Pittsburgh 30, Pa.

Born: July 9, 1909, Budapest, Hungary. Absolutorium, 1928, University of Budapest. Committees: Administrative Committee of the Board of Editors, 1951–53; Board of Editors, 1951–53; Editorial Administrative, 1951–53; Editorial Reviewer, 1954–59; Papers Review, 1949–50. Sections: Princeton, secretary-treasurer, 1953–54. vice-chairman, 1954–55, chairman, 1955–56. Awards: Radio Corporation of America Laboratories Awards, 1947, 1951, 1952.

TANK, Franz (A'31—F'49), Professor of High-Frequency Techniques and Physics, Swiss Federal Institute of Technology, Sternwartstrasse 7 Turish Switzerland

Sternwartstrasse 7, Zurich, Switzerland.
Born: March, 1890, Zurich, Switzerland. Ph.D., 1915, University of Zurich; Rector, Swiss Federal Institute of Technology, 1943-47; President, Swiss National Committee URSI, 1950-57; President, Swiss Electrotechnical Institution, 1952-56. IRE Offices: Vice President, 1955; Director, 1955. IRE Representative: Swiss Federal Institute of Technology, 1959.

TANNER, Robert H. (A'38—SM'48—F'58), Manager, Electronics Development, Northern Electric Research & Development Laboratories, P.O. Box 400, Belleville, Ont., Canada. Born: July 22, 1915, London, England. B.Sc., 1935, Imperial College of Science, University of London.

TAYLOR, A. Hoyt (M'16—F'20)(L), Retired. 691 W. 12 St., Claremont, Calif.

Born: January 1, 1879, Chicago, Ill. B.S., 1902, Northwestern University; Ph.D., 1909, University of Göttingen, Germany; D.Sc. (Honorary), 1953, University of North Dakota. IRE Offices: President, 1929; Director, 1929–31. Committees: Awards, 1928–31; Institute Sections, 1928; Meetings and Papers, 1928. Sections: Washington, chairman, 1919–28. Awards: IRE Morris Liebmann Memorial Prize 1927; John Scott Medal and Premium, Board of City Trustees, Philadelphia, 1942; IRE Medal of Honor, 1942; Presidential Medal of Merit, 1944; Pioneer Award, Professional Group on Aeronautical and Navigational Electronics, 1952.

TAYLOR, Charles H. (M'13—F'15)(L), 390 Riverside Dr., New York 25, N.Y.

Born: August 22, 1875, Uxbridge, Middlesex, England, Commit-

tees: Antenna Terminology, chairman, 1924-25; Membership, 1925; Sections, 1925; Standardization, 1914-21, 1924-25.

TEAL, Gordon K. (SM'53—F'56), Assistant Vice President, Director of Research, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9. Tex.

Born: January 10, 1907, Dallas, Tex. A.B., 1927, Baylor University; Sc.M., 1928, Ph.D., 1931, Brown University. IRE Offices: Director, 1959. Committees: Editorial Board, 1958-59; Editorial Reviewer, 1955-59; Section Publications, chairman, 1957-59. Sections: Dallas-Fort Worth, secretary, 1953-54, vice-chairman, 1955-56; Dallas, chairman, 1956-57; Board of Directors SWIRECO, 1957-59; Southwestern IRE Conference and Electronics Show, vice-chairman, 1959. Awards: Fellow, American Association for the Advancement of Science.

TEARE, Benjamin R., Jr. (A'41—SM'45—F'51), Dean, College of Engineering and Science, Carnegie Institute of Technology, Pittsburgh, Pa.

Born: January, 1907, Menomonie, Wis. B.S.(E.E.), 1927, M.S., 1928, University of Wisconsin; D.Eng., 1937, Yale University. Committees: Education, 1944. Sections: Pittsburgh, vice-chairman, 1942-43, chairman, 1943-44. IRE Representative: Carnegie Institute of Technology, 1944-45. Awards: George Westinghouse Award, American Society for Engineering Education, 1947.

TELLEGEN, B. D. H. (SM'52—F'55), Scientific Advisor, Philips Research Laboratories, Eindhoven, Netherlands; Professor, Electrical Engineering, Technical University, Delft, Netherlands.

Born: June 24, 1900, Winschoten, Netherlands. E.E., 1923, Technical University, Delft, Netherlands. Awards: Honorary Member, Netherlands Radio Institution, 1951; Honorary Life Member, Institution of Radio Engineers, Australia, 1953; Gold Research Medal, Royal Netherlands Institution of Engineers, 1954.

TELLIER, Joseph C. (S'35—A'37—SM'45—F'59), Manager, Circuit Research, Research Division, Philos Corporation, C & Tioga Sts., Philadelphia 34, Pa.

Born: June 24, 1914, Des Moines, Iowa. B.S.(E.E.), 1935, University of Pennsylvania. Committees: Editorial Reviewer, 1955-59. Awards: Certificate of Service, Office of Scientific Research and Development, 1943.

TERMAN, Frederick E. (A'25—F'37), Provost, Stanford University. Stanford. Calif.

Born: June 7, 1900, English, Ind. A.B., 1920, Eng. 1922, Stanford University; Sc.D., 1924, Massachusetts Institute of Technology; Sc.D. (Honorary), 1945, Harvard University; Sc.D. (Honorary), 1950, University of British Columbia; 1955, Syracuse University. IRE Offices: President, 1941; Vice President, 1940; Director, 1940–43, 1948–49. Committees: Admissions, 1940; Annual Review, 1946–47; Appointments, 1949; Awards, 1940, 1942–43; Constitution and Laws, 1944–47; Education, 1949–50; Handbook, 1945–48; Membership, 1939–40, 1942, 1949–50, chairman, 1942; Nominations, 1943, 1948–49, 1951, 1953, 1955, chairman, 1951; Policy Development, 1948–50; Professional Groups, 1948; Research, chairman, 1945–49; Standards, 1934–41, 1946–47. Sections: San Francisco, secretary, 1931–32, chairman, 1939–40. IRE Representative: Stanford University, 1941; National Research Council, Division of Engineering and Research, 1943–46. Awards: IRE Medal of Honor, 1950.

THAYER, Gordon N. (SM'47—F'51), Vice President, Operations, Ohio Bell Telephone Company, 750 Huron Rd., Cleveland 15, Ohio.

Born: October 6, 1908, Delta, Colo. Stevens Institute of Technology, 1926-30, M.E., 1946.

THOMAS, Henry P. (A'39—VA'39—M'44—SM'47—F'51), Engineer, Communication Products Department, General Electric Company, Lynchburg, Va.

Born: May, 1904, Boston, Mass. B.A., 1925, M.S., 1927, Harvard University. Committees: Editorial Reviewer, 1954-59; Papers Review, 1946-53; Radio Wave Propagation, 1942-46; Wave Propagation, 1948-46;

gation, 1940-41. Awards: Coffin Award, General Electric Company, 1948.

THOMPSON, Leland E. (A'35-SM'44-F'57), Engineer, Radio Corporation of America, Camden, N.J.

Born: September 18, 1905, Creighton, Neb. B.S.(E.E.), 1929, University of South Dakota.

TINUS, William C. (A'31-M'36-SM'43-F'51), Vice President, Bell Telephone Laboratories, Inc., Whippany, N.J. Born: October 18, 1905, Chicago, Ill. B.S.(E.E.), 1928, Dr. Eng. (Honorary), 1954, Texas Agricultural and Mechanical College. Committees: Board of Editors, 1946-53.

TOLMIE, John R. (J'15-A'18-M'32-SM'43-F'55), Retired. 1624 Boren Ave., Seattle, Wash.; formerly Staff Supervisor, Pacific Telephone & Telegraph Co.

Born: March 19, 1897. Seattle, Wash. B.S.(E.E.), 1919, M.S. (E.E.), 1923, University of Washington. Sections: Seattle, secretary, 1919-20, chairman, 1923-24.

TOTH, Emerick (SM'48-F'58), Head of Radio Techniques Branch, U. S. Naval Research Laboratory, Washington 25, D.C.

Born: June, 1905, New York, N.Y. B.S.(E.E.), 1927, Newark College of Engineering. Awards: Meritorious Civilian Service Award, USN, 1946.

*TOULON, Pierre M. G. (SM'47-F'59), Retired. 15 Frederic

Passy, Neuilly on the Seine, France. Born: January 15, 1892, Paris, France. B.S., Lycee Louis Le Grand, Paris, France; Dr.Eng., Sorbonne Faculte Des Sciences, Paris, France. Awards: Member, American Institute of Radio Engineers; Member, Society of Motion Picture Engineers; Member, Society Français des Electriciens; Member, Societe des Ingenious Radio Electriciens.

* Deceased.

TOWN, George R. (A'37-SM'44-F'50), Dean of Engineering, Iowa State College, Ames, Iowa.

Born: May 26, 1905, Poultney, Vt. E.E., 1926, D.Eng., 1929, Rensselaer Polytechnic Institute. IRE Offices: Director, 1949–53. Committees: Appointments, 1952; Awards, 1948-49; Education, 1945-48; Frequency Modulation, 1946-47; Membership, 1953-55; Papers Procurement, 1947-50. Sections: Rochester, secretary, 1942-44, chairman, 1944-46. Professional Group: Broadcasting Administrative Committee, 1957.

TOWNER, Orrin W. (A'24-M'29-SM'43-F'58), Director of Engineering, WHAS, Inc., 525 W. Broadway, Louisville 2, Ky. Born: March 29, 1903, Peterson, Iowa. A.A. (Eng.), 1924, Jr. College of Kansas City; B.Sc.(E.E.), 1927, E.E., 1933, University of Kansas. Committees: Broadcast Transmission Systems Group, chairman, 1949. Sections: Louisville, chairman, 1947-49, 1956-57. Awards: Presidential Certificate of Merit, 1948.

TRAVIS, Irven (SM'46-F'53), Vice President of Research and Engineering, Burroughs Corporation, 6071 Second Ave., Detroit

Born: March, 1904, McConnellsville, Ohio. B.S.(E.E.), Drexel Institute of Technology; M.S.(E.E.), 1928, Sc.D.(E.E.), 1938, University of Pennsylvania. Committees: Awards, 1959; Fellow, 1958: Sections: Philadelphia, vice-chairman, 1933-34. Awards: Alumni Citation, Drexel Institute of Technology; Commendation, U. S. Navy, 1946.

TREVOR, Bertram A. (A'29-M'38-SM'43-F'53), Member of Technical Staff, Radio Corporation of America, Surface Communications Systems Laboratory, Tucson, Ariz.

Born: February, 1906, Ithaca, N.Y. E.E., 1928, Cornell University. Committees: Frequency Modulation, 1946-47; Membership, 1943-46; Modulation Systems, 1947-52, vice-chairman, 1948-50, chairman, 1950-51; Papers Review, 1946-53; Standards, 1950-51.

TRUXAL, John G. (S'47-A'48-SM'54-F'59), Head, Electrical Engineering Department, Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn, N.Y.

Born: February 19, 1924, Lancaster, Pa. A.B., 1944, Dartmouth College; B.S., 1947, Sc.D., 1950, Massachusetts Institute of Tech-

nology. Committees: Editorial Reviewer, 1954-59.

TUPPER, Bertram R. (A'36-SM'46-F'54), Chief Engineer of the British Columbia Telephone Company, 1955 Wylie St., Vancouver 10, B.C., Canada.

Born: April 15, 1906, Vancouver, B.C., Canada. B.S., 1928, University of British Columbia. Sections: Vancouver, chairman, 1950.

TURNER, George S. (A'22-M'28-SM'43-F'57), Chief, Field Engineering and Monitoring Bureau, Federal Communications Commission, Washington 25, D.C.

Born: June 25, 1900, Independence, Mo. LL.M., 1939, Atlanta Law School. Committees: Membership, 1927. Sections: Atlanta, secretary, 1938-39, vice-chairman, 1940.

TURNER, Hubert M. (A'14-M'30-F'37)(L), Associate Professor, Emeritus, Electrical Engineering, Yale University, New Haven, Conn.

Born: July 20, 1882, Hillsboro, Ill. B.S., 1910, M.S., 1915, University of Illinois. IRE Offices: President, 1944; Director, 1933-46. Committees: Admission, 1936, 1939-43, chairman, 1941-42; Annual Review, 1937-40, 1943-44; Awards, 1934, 1938-41, chairman, 1934, 1940; Bibliography, 1930-31; Circuit Elements, chairman, 1927-28; Constitution and Laws, 1936-43, chairman, 1936-40; Executive, chairman, 1944; Investments, 1944-46; Meetings and Papers, 1929; Member Examining Committee for the Connecticut Board of Registration for Professional Engineers, 1942-, chairman, 1957-: Nominations, 1938, 1941, 1945, vice-chairman, 1945; Papers, 1932-44; Papers Procurement, 1942-43; Preparedness, 1940-41; Regular Papers, 1941; Sections, 1952; Standardization, 1926-32; Standards, 1932-38, 1940-48; Symbols, 1940-44, 1946-48, chairman, 1940-45; Tellers, 1940. IRE Representative: Yale University, 1941-47; ASA Subcommittee on Letter Symbols for Radio, 1936-54; ASA Electrical Standards Committee 1939-46; ASA Sectional Committee (C-18) on Specifications for Dry Cells and Batteries, 1936-51; ASA Subcommittee on Communication Symbols of Sectional Committee on Graphical Symbols and Abbreviations for Use on Drawings, 1939-48; ASA Sectional Committee (Y-10) on Letter Symbols, chairman, 1940-58; United States National Committee of the International Electrotechnical Commission, 1944-48; Technical Advisor, U. S. National Committee, International Electrotechnical Commission, Letter Symbols, 1946-58; Chief Delegate, United States National Committee on Letter Symbols for Electrical Quantities, International Electrotechnical Commission, Paris, France, 1950; Philadelphia, 1954; Stockholm, 1958; United States Paper Committee, World Power Conference, London, 1950.

TUSKA, Clarence D. (A'14-M'41-SM'43-F'57), Staff Consultant, Patents, Radio Corporation of America, David Sarnoff Research Center, Princeton, N.J.

Born: August 15, 1896, New York, N.Y. B.S., 1919, Trinity College; LL.B., 1934, La Salle Extension University.

TUTTLE, W. Norris (A'26-SM'46-F'49), Engineering Consultant, General Radio Company, 22 Baker Ave., West Concord, Mass.

Born: March 29, 1902, Croton-on-Hudson, N.Y. A.B., 1924, S.M. (Electrical Communication Engineering), 1926, Ph.D. (Physics), 1929, Harvard University. Committees: Annual Review, 1949-51; Circuits, 1944-59, chairman, 1949-51; Editorial Board, 1954-58; Education, 1953-59; Papers Review, 1948-52; Policy Development, 1948-50; Standards, 1949-51. Awards: Medal of Freedom, War Department, 1946.

TUVE, Merle A. (A'45-F'45), Director, Department of Terrestrial Magnetism, Carnegie Institution of Washington, 5241 Broad Branch Rd., N.W., Washington 15, D.C.

Born: June 27, 1901, Canton, S.D. B.S., 1922, A.M., 1923, University of Minnesota; Ph.D., 1926, The Johns Hopkins University; D.Sc., 1948, Case Institute; D.Sc., 1949, Kenyon College; D.Sc., 1949, Williams College; D.Sc., 1950, The Johns Hopkins University; D.Sc., 1953, University of Alaska. Awards: Fellow, American Physical Society; American Academy of Arts and Sciences; National Academy of Sciences; American Philosophical Society; American Association for the Advancement of Science Prize, 1931; Presidential Medal for Merit, 1946; Research Corporation Award, 1947; John Scott Award, 1948; Comstock Prize, 1949; Commander of the Order of the British Empire, 1949; Howard N. Potts Medal, Franklin Institute, 1950; Outstanding Achievement Medal University of Minnesota, 1950.

TYSON, Benjamin F. (S'36—A'39—VA'39—SM'49—F'58), Engineering Manager, Sylvania Electric Products, Inc., 208-20 Willets Point Blvd., Bayside, L.I., N.Y.

Born: November 18, 1913, Chatham, N.J. M.E., 1935, M.Sc., 1937, Stevens Institute of Technology. Committees: Tellers, 1954-56, chairman, 1955; Video Techniques, 1951-55. Awards: Certificate of Commendation, Bureau of Ships, USN, 1947.

ULLRICH, Edward H. (M'26—F'39), Standard Telephones and Cables, Ltd., Connaught House, Aldwych, London, W.C.2, England.

Born: December 8, 1894, Cardiff, Wales. Mechanical Sciences Tripos, 1921, Christ's College, Cambridge, England. Committees: Membership, 1927. Awards: Institution Premium, Institution of Electrical Engineers, 1936; Ex Gratia joint award by Royal Commission on Awards to Inventors for invention in 1941.

ULREY, Dayton (A'28—M'40—SM'43—F'50), Consultant, 324
Suwanee Ave., Ballantine Manor, Sarasota, Fla.
Born: September, 1884, North Manchester, Ind. B.A., 1911, M.A., 1912, Indiana University; Ph.D., 1917, Stanford University.
Committees: Electronics, 1936–37; Papers, 1940–45; Papers Review, 1946–52.

VAN ATTA, Lester C. (M'42—SM'43—F'52), Director, Technical Information and Education, Hughes Aircraft Company, Culver City, Calif.

Born: April 18, 1905, Portland, Ore. B.A., 1927, Reed College; M.S., 1929, Ph.D., 1931, Washington University. Committees: Antennas, 1945–48, vice-chairman, 1948–49; Antennas and Waveguides, 1949–51, chairman, 1949–50, 1950–51; Awards, 1953; Editorial Reviewer, 1954–59; Membership, 1953; Papers Review, 1951–53; Professional Groups, 1951–59, vice-chairman, 1953; Research, 1946–47, 1949–51; Standards, 1949–51. Professional Groups: Antennas and Propagation Administrative Committee, 1951–55, chairman, 1949–50. Sections: Los Angeles Section, chairman, 1958–59.

VAN DER POL, Balthasar (M'20—F'29)(L), Director, International Radio Consultative Committee (C.C.I.R.), Palais Wilson, Geneva, Switzerland. Retired. 10 Zÿdeweg, Wassenaar, Netherlands.

Born: January 27, 1889. D.Sc., 1919, Utrecht. IRE Offices: Vice President, 1934; Director, 1945. Committees: Electronics, 1936–41; Meetings and Papers, 1929; Wave Propagation, 1937–40. Awards: Honorary Member, Netherlands Radio Society, 1920; Knight, Order of the Orange Nassau, 1927; IRE Medal of Honor, 1935; Knight, Order of the Netherlands Lion, 1946; Member, Dutch Royal Society, 1946; Honorary President, Union Radio-Scientifique Internationale (U.R.S.I.), 1952; Valdemar Poulsen Gold Medal, Danish Academy of Technical Sciences, 1953; Doctor (honoris causa), Technical University, Warsaw, 1956; Corresponding member of the French Academy of Sciences, 1957; Honorary Doctorate of University of Geneva, Switzerland, 1959.

VAN DER ZIEL, Aldert (SM'49—F'56), Professor of Electrical Engineering, University of Minnesota, Minneapolis 14, Minn. Born: December 12, 1910, Zandeweer, Groningen, Netherlands. B.A. (Physics and Math.), 1930, M.A. (Physics and Math.), 1933, Ph.D. (Physics and Math.), 1934, University of Groningen.

VAN DEUSEN, George L. (SM'46-F'58), Major General, U. S. Army, Retired. Consultant, RCA Institutes, Inc., 350 W. 4 St., New York 14, N.Y.

Born: February 10, 1888, Passaic, N.J. B.Sc., 1909, United States Military Academy; M.Sc., 1921, Yale University. Committees: Annual Review, 1950–52. Awards: Distinguished Service Medal, U. S. Army, 1946.

VAN DYCK, Arthur F. (IRE Charter Member) (A'12-M'18-F'25)(L), Retired. 516 Bougainvillea Lane, Vero Beach, Fla. Born: May 20, 1891, Stuyvesant Falls, N.Y. Ph.B., 1911, Yale University. IRE Offices: President, 1942; Manager, 1930-32; Director, 1932-35, 1939-44. Committees: Admissions, 1930-34; 1937-40, 1943, chairman, 1932-33, 1940, 1943; Annual Review, 1937-39, 1943-44, chairman, 1937-40; Awards, 1934, 1940, 1952-53; Bibliography, 1930-32; Constitution and Laws, 1933-34, 1943; Executive, 1942-43, chairman, 1942; New York Program, 1934-35, 1939-40, chairman, 1934; Nominations, 1932, 1951; Papers, 1940; Papers Procurement, 1942-43; Public Relations, 1940-41, 1943-46, chairman, 1941; Registration of Engineers, 1940; Regular Papers, 1941; Research, 1946-47; Standards, 1933-36; Tellers, 1932-33, 1935, chairman, 1935. IRE Representative: ASA Sectional Committee (Z-17) on Preferred Numbers, 1936, 1939-55; ASA Sectional Committee (Z-67) on Standardization of Voltage-Preferred Voltages 100 Volts and Under, 1949-50; Wesleyan University, 1958-59. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940; Legion of Merit, 1946.

VAN DYKE, Karl S. (A'15—M'26—SM'43—F'44)(L), Professor of Physics, Wesleyan University, Scott Laboratory, Middletown, Conn.

Born: December 8, 1892, Brooklyn, N.Y. B.S., 1916, M.S., 1917, Wesleyan University; Ph.D., 1921, University of Chicago. Committees: Admissions, 1929; Annual Review. 1941, 1949-51; Board of Editors, 1933-40, 1947-53; Editorial Reviewer, 1957-59; Meetings and Papers, 1929-31, chairman, 1929; Membership, 1942-47; Papers, 1932-33, 1944-45; Papers Procurement, 1945-48; Papers Review, 1946; Piezoelectric Crystals, 1940-43, 1945-59, chairman, 1940-42, 1949-51; Standards, 1941, 1949-51. Sections: Connecticut Valley, secretary-treasurer, 1927, chairman, 1934-35. IRE Representative: Wesleyan University, 1955-57.

VARIAN, Russell H. (A'40—SM'51—F'52), Chairman, Board of Directors, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

Born: April 24, 1898, Washington, D.C. A.B., 1925, M.A., 1927, Stanford University; Dr.Eng. (Honorary), 1943, Polytechnic Institute of Brooklyn. Awards: Fellow, American Physical Society; John Price Wetherill Medal, Franklin Institute, 1950.

VILLARD, Oswald G., Jr. (S'38—A'41—SM'51—F'57), Professor, Electrical Engineering, Stanford University, Stanford, Calif.

Born: September 17, 1916, Dobbs Ferry, N.Y. B.A., 1938, Yale University; E.E., 1943, Ph.D., 1949, Stanford University. Committees: Editorial Reviewer, 1955-59; Wave Propagation, 1959. Sections: Palo Alto Subsection, chairman, 1952. Awards: Outstanding Young Bay Area Engineer, Bay Area Engineers' Week Committee, 1955; IRE Morris Liebmann Memorial Prize, 1957.

VOGELMAN, Joseph H. (M'46—SM'49—F'59), Technical Director, Communications, Rome Air Development Center, U. S. Air Force, Griffiss Air Force Base, New York, N.Y.

Born: August 18, 1920, New York, N.Y. B.S., 1940, City College of New York; M.(E.E.), 1948, D.(E.E.), 1957, Polytechnic Institute of Brooklyn. Committees: Admissions, 1954. Professional Groups: Communications Systems Papers Study and Procurement Committee, 1 year; Communications Systems Awards Committee. Sections: Rome, Subsection, chairman, 1953.

VOLLUM, Howard (SM'50—F'55), President, Tektronix, Inc., P.O. Box 831, Portland 7, Ore.

Born: May 31, 1913, Portland, Ore. B.A., 1936, Reed College; Sc.D. (Honorary), 1953, Portland University. IRE Offices: Director, 1955. Sections: Portland, chairman, 1954-55. Awards: Legion of Merit, 1945; Oak Leaf Cluster, 1946.

vonBAEYER, Hans J. (SM'53—F'59), Dr.Phil., RCAF Telecommunications, Systems Engineer in Chief, Department of National Defence, Canada, RCAF Headquarters, Ottawa, Ontario, Canada.

Born: August, 1912, Munich, Germany. Dr.Phil., 1935, University of Heidelberg, Germany.

WAIDELICH, Donald L. (S'37—A'39—SM'44—F'58), Professor of Electrical Engineering, University of Missouri, Columbia,

Born: May 3, 1915, Allentown, Pa. B.Sc. (E.E.), 1936, M.Sc., 1938, Lehigh University; Ph.D., 1946, Iowa State College. Committees: Education, 1952-57. Awards: Eta Kappa Nu Honorable Mention Award, 1946; Fulbright Award, U. S. Government, 1951-52; Fellow, American Institute of Electrical Engineers.

WALLACE, James D. (A'29—SM'44—F'59), Section Head, Communication Systems Section, Radio Division, Naval Research Laboratory, Washington 25, D.C.

Born: March 6, 1904, Gloster, Miss. B.A., 1925, M.A., 1927, University of Mississippi. Professional Groups: Chapter Activities Committee, chairman, 1957–58; Communication Systems Administrative Committee, 1957–60. Sections: Washington, secretary, 1942; chairman, 1944.

WALLACE, Robert L., Jr. (SM'53—F'56), Director of Solid State Electronics Research, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: February 21, 1916, Coolidge, Tex. B.A. (Physics), 1936, M.A. (Physics), 1939, University of Texas. Committees: Editorial Reviewer, 1954-59.

WANG, Chao Chen (A'43—SM'49—F'57), Department Head. Microwave Tube Research, Sperry Gyroscope Company, Great Neck L.I., N.Y.

Born October 20, 1914, Changchow, Kiangsu, China. B.S., 1936, Chiao-Tung University, Shanghai; S.M., 1938, Sc.1)., 1940, Harvard University. Committees: Editorial Reviewer, 1955–59.

WARNECKE, Robert R. (SM'48—F'50), Director, Centre de l'hvsique Electronique et Corpusculaire, Compagnie Generale de Telegraphie Sans Fil, Domaine de Corbeville, B.P. N° 10, Orsay, Seine et Oise, France.

Born: November, 1906, Tours. France. Doctor, 1933, University of Paris; D.Eng. (Honorary), 1958, Polytechnic Institute of Brooklyn. Committees: Electron Tubes, 1955–56, 1959. Professional Groups: President, 1958, Societe Française des Ingenieurs et Techniciens du Vide. Awards: Ancel Prize, French Society of Electricians, 1943; Henri Becquerel Prize, Academy of Sciences of Paris, 1945; Blondel Medal. 1951; D'Aumale Prize, Academy of Sciences of Paris, 1952; IRE Morris Liebmann Memorial Prize, 1954; Member, French Society of Physics; French Society of Electricians; Society of Radioelectricians (President of the "Microwaves Section," 1953–57).

WATANABE, Yasushi, Y. W. (SM'57—F'59), Doctor of Engineering, Department of Electrical Engineering, Tohoku University, 5 Sakurakoju. Sendai, Japan.

Born: November 15, 1896, Kuji-machi, Hitachi, Ibaraki Pref., Japan. B.S., 1921, Tokyo University; D.Eng., 1926, Tohoku University. Awards: Asano Memorial Prize, by Institution of Electrical Enginers of Japan, 1939; Prize Medal, by Institution of Communication Engineers of Japan, 1941.

WATKINS, Dean A. (A'47—M'48—S'49—A'51—SM'55—F'58),
Professor, Stanford University, Stanford, Calif.; President,
Watkins-Johnson Company, Palo Alto, Calif.

Born: October 23, 1922, Omaha, Neb. B.S., 1944, Iowa State College; M.Sc., 1947, California Institute of Technology; Ph.D., 1951, Stanford University. Committees: Editorial Reviewer, 1955–59; Electron Tube Research Conference; Technical Program Committee, 1955–57. Awards: IRE Seventh Region Achievement Award, 1957.

WATSON-WATT, Sir Robert (SM'46—F'47), Governing Director, Sir Robert Watson-Watt and Partners, Ltd., London,

W. 1, England; President, Adalia, Inc., New York. P.O. Box 323, Thornhill, Ont., Canada.

Born: April 13, 1892. U.K., C.B. D.Sc. LL.D., IRE Offices: Vice President, 1950; Director, 1950. Awards: Presidential Medal for Merit, U. S., 1946; Valdeniar Poulsen Gold Medal, Danish Academy of Technical Sciences, 1947; Hughes Medal of the Royal Society of London, 1948; Elliott Cresson Medal of the Franklin Institute, 1957; Fellow of the Royal Society.

WAYNICK, Arthur H. (A'43—SM'46—F'57), Professor and Head, Electrical Engineering Department, Director, Ionosphere Research Laboratory, Pennsylvania State University, University Park, Pa.; Program Director, Engineering Sciences, National Science Foundation, Washington, D.C.

Born: November 9, 1905, B.S., 1935, M.S., 1936, Wayne University; 1937-39, University of Michigan Electronics Institute and Cambridge University, England; ScD., 1943, Harvard University. IRE Offices: Director, 1959-60. Committees: Editorial Board, 1959; Nominations, 1959; Professional Groups, 1954; Wave Propagation, 1949-59. Professional Groups: Propagation, chairman, 1952. IRE Representative: National Bureau of Standard Technical Advisory Committee, 1958-59; U.S.A. Technical Program Committee, 12th URSI General Assembly, chairman; U.S.A. National Committee of URSI, past chairman; U.S.A. National Committee of URSI, treasurer; Journal of Geophysical Research, associate editor. Awards: Navy Ordnance Development Award, 1945; Office of Scientific Research and Development Award, 1945; Guggenheim Fellow, Cambridge University, England, 1954-55; Distinguished Alumni Award, Wayne State University, 1957.

WEBB, Richard C. (A'41—M'46—SM'56—F'58), President, Colorado Research Corporation, 4697 E. Evans Ave., Denver 22. Colo.

Born: September 2, 1915, Omaha, Neb. B.Sc. (E.E.), 1937, University of Denver; M.Sc. (E.E.), 1944, Ph.D., 1951. Purdue University. Committees: Editorial Reviewer, 1953-54. Sections: Denver, vice-chairman, 1955-56; chairman, 1956-57. Awards: RCA Laboratories Awards, 1947, 1949.

WEBBER, Stanley E. (S'42—A'43—SM'49—F'59), Manager, High Power Traveling Wave Tube Section, General Electric Microwave Laboratory, 601 California Ave., Palo Alto, Calif. Born: June 8, 1919, Boston, Mass. B.S. (E.E.), 1941, M.S. (E.E.), 1942, Massachusetts Institute of Technology. Committees: Editorial Reviewer, 1955–59; Electron Tubes, 1956–59; Microwave Tube Subcommittee, 1950–56; Tube Research Conference Committee, 1953–56.

WEBER, Ernst (M'41—SM'43—F'51), President, Polytechnic Institute of Brooklyn, 99 Livingston St., Brooklyn 1, N.Y.; President, Polytechnic Research & Development Company, Inc., 202 Tillary St., Brooklyn 1, N.Y.

Born: September 6, 1901, Vienna, Austria. Dipl. Eng. (E.E.), 1924, Technical University, Vienna; Ph.D., 1926, University of Vienna; Sc.D., 1927, Technical University. IRE Offices: Director, 1952-59; Board of Directors, Chairman, 1959; President, 1959. Committees: Administrative Committee of Board of Editors, 1951; Annual Review, 1950-51; Appointments, 1959; Awards, 1952-54, chairman, 1953-54; Awards Coordination, 1958; Board of Editors, 1949-53; Circuits, 1949-53; Editorial Administrative, 1949-51; Education, 1944-51; Executive, 1957-58, chairman, 1959; Finance, 1952, 1959; Instruments and Measurements, 1948-52, chairman, 1949-51; Membership, 1941-48; National Convention, 1947, 1951; Nominations, 1959; Policy Advisory, 1952, 1956; Professional Groups, 1951-53, vice-chairman, 1954-55, 1956, Eastern Division, vice-chairman, 1957-59; Standards, 1949-59, vice-chairman, 1951-54, chairman, 1954-56, (cx-officio), 1957-58, 1958-59. Professional Groups: Measurements and Instrumentation, chairman, 1950-52. IRE Representative: ASA Standards Council, 1952-59; ASA Electrical Standards Board, 1955-59; ASA Acoustical Standards Board, 1958-59; ASA Sectional Committee (C16) on Radio, 1954-55, chairman, 1957-59; ASA Subcommittee (C42.6) on Electrical Instruments, 1952-55; C.C.I.R., Executive Committee on U. S. Delegation, 1958-59; National Academy of Sciences-National Research Council, Advisory Board of the Office of Critical Tables, 1959; United States National Committee, International Electrotechnical Commission, Adviser on Electrical Measuring Instruments (alternate, 1952, 1958–59); United States National Committee, URSI, 1956–59; Joint Technical Advisory Committee, vice-chairman, 1955–56, chairman, 1956–57; ASA Sectional Committee (C42) on Definition of Electrical Terms, 1955; International Radio Consultative Committee, Executive Committee of U. S. Delegation, 1955–57; International Scientific Radio Union, URSI, Executive Committee, alternate, 1955–56; U. S. National Committee of the International Electrotechnical Commission, 1955–59. Awards: Fellow, American Institute of Electrical Engineers; Fellow, American Physical Society; Presidential Certificate of Merit, 1948.

WEBER, Joseph (S'44—M'46—SM'53—F'58), Professor of Electrical Engineering and Professor of Physics, University of Maryland, College Park, Md.

Born: May 17, 1919, Patterson, N.J. B.S., 1940, U. S. Naval Academy; Ph.D. (Physics), 1951, Catholic University of America. Awards: Scientific Achievement, Washington Academy of Sciences, 1958.

WEBSTER, Edward M. (A'30—M'38—SM'43—F'44), Telecommunications Consultant, 9518 E. Stanhope Rd., Kensington, Md.; Commodore, U. S. Coast Guard, Retired. Formerly, Commissioner, Federal Communications Commission.

Born: February 28, 1889, Washington, D.C. IRE Offices: Director, 1946. Committees: Membership, 1940; Public Relations, 1945-46. Sections: Washington, secretary, 1940, chairman, 1942. Awards: Legion of Merit, Marconi Memorial Medal, VWCA, 1950; Distinguished Service Award, Washington Section IRE, 1956.

WEEKS, Paul T. (A'19—M'28—SM'43—F'54)(L), Engineer, Receiving and Cathode Ray Tube Operations, Raytheon Manufacturing Company, 148 California St., Newton, Mass. Born: November, 1890, Clarksfield, Ohio. A.B., 1913, Oberlin College; Ph.D., 1917, Cornell University. Committees: Annual Papiers 1928, 42, Flavored Conference of Committees.

College; Ph.D., 1917, Cornell University. Committees: Annual Review, 1938–42; Electronics, 1936–42, chairman, 1938–42; Meetings and Papers, 1927–29; Papers, 1938–41; Regular Papers, 1941; Standards, 1938–42. Awards: Fellow, American Association for the Advancement of Science; Naval Ordnance Development Award, 1945.

WEIHE, Vernon I. (SM'45—F'58), Director, Air Traffic Navigation Control Programs, General Precision Equipment Corporation, 777 14 St., N.W., Washington 5, D.C.

Born: March 3, 1909, Louisville, Ky. B.Sc. (E.E.), 1931, Speed Scientific School, University of Louisville. **Professional Groups:** Administrative Committee, Aeronautical and Navigational Electronics, 1956–57. **Awards:** Collier Trophy, Award for Civilian Achievement, 1948.

WEIL, Joseph (M'37—SM'43—F'57), Dean, College of Engineering; Director, Engineering and Industrial Experiment Station; Professor, Electrical Engineering, University of Florida, Gainesville, Fla.

Born: July 19, 1897, Baltimore, Md. 1911–15, Baltimore Polytechnic Institute; B.S.E., 1918, The Johns Hopkins University; M.S., 1926, University of Pittsburgh. Committees: Fellow, 1958–59. Awards: Presidential Medal, Florida Engineering Society, 1940; Honorable Mention, Florida Engineering Society, 1944; Certificate of Service, Office of Scientific Research and Development, 1945; Naval Ordnance Department Award, 1946; Honorable Membership, Southeastern Metermen's Association, 1948; Distinguished Service Certificate, National Council of State Boards of Engineers, 1955; Outstanding Service Award, Florida Engineering Society, 1956.

WEIMER, Paul K. (A'43—SM'51—F'55), Research Engineer, RCA Laboratories Division, Princeton, N.J.

Born: November 5, 1914, Wabash, Ind. B.A., 1936, Manchester College; M.A., 1938, University of Kansas; Ph.D., 1942, Ohio

State University: Committees: Editorial Reviewer, 1954-59. Sections: Princeton, secretary, 1956, vice-chairman, 1957, chairman, 1958. Awards: Television Broadcasters Association Award, 1946; Vladimir K. Zworykin Television Prize, 1959.

WEINBERGER, Julius (A'13—F'25)(L), Retired. Consulting Engineer, 6 Carrington Dr., East Northport, N.Y.

Born: July 22, 1893, New York, N.Y. B.S., 1913, College of the City of New York. Committees: Industrial Electronics, 1946-58; Meetings and Papers, 1929; Research, 1946-48. Awards: Modern Pioneer Award, National Association of Manufacturers, 1940.

WEIR, Irvin Reed (A'25—M'41—SM'43—F'49), Manager, Engineering Administration C and G.E. Department, General Electric Company, Syracuse, N.Y.

Born: September, 1897, Prairie Creek, Ind. B.S., 1921, E.E., 1932, Rose Polytechnic Institute. Committees: Annual Review, 1950-51; Antennas, 1944-45; Radio Transmitters, 1945-59; Transmitters, 1944-45.

WELCH, H. William, Jr. (A'47—SM'52—F'58), Director of Research and Development and Assistant Manager, Military Electronics, Division, Motorola, Inc., 8201 E. McDowell St., Phoenix, Ariz.

Born: October 21, 1920, Beardstown, III. B. A. (Physics), 1942, DePauw University; M.Sc. (Physics), 1949, Ph.D.(E.E.), 1952, University of Michigan. Awards: IRE Browder J. Thompson Memorial Prize, 1952.

WELDON, James O. (A'26—SM'46—F'54), President, Continental Electronics Manufacturing Company, 4212 S. Buckner Blvd., Dallas 27, Tex.

Born: March 15, 1905, Canton, Mo. Committees: Editorial Reviewer, 1955-59.

WELLS, Frank H. (A'39—SM'48—F'58), Principal Scientific Officer, United Kingdom Atomic Energy Authority, Atomic Energy Research Establishment, Harwell, Berkshire, England. Born: March, 1915, London, England. B.Sc. (Eng.), 1935, M.Sc. (Eng.), 1936, Imperial College of Science and Technology.

WELLS, Harry W. (M'36—SM'43—F'53), Chairman, Upper Atmosphere Section, Carnegie Institution of Washington, Department of Terrestrial Magnetism, 5241 Broad Branch Rd., Washington 15, D.C.

Born: January 13, 1907, Washington, D.C. B.S. (E.E.), 1928, E.E., 1937, University of Maryland. IRE Offices: Director, 1954–55. Committees: Annual Review, 1950–51; Awards, 1953, 1956–58; Nominations, 1955–57; Policy Advisory, 1955; Radio Wave Propagation and Utilization, 1945–48; Wave Propagation, 1949–52, vice-chairman, 1949–52. Professional Groups: Antennas and Propagation, Editor, 1951–52; United States National Committee, URSI, chairman. Sections: Washington, secretary, 1948, vice-chairman, 1949, chairman, 1949–50. IRE Representative: National Research Council, Division of Engineering and Industrial Research; Member, U.S.A. National Committee for International Geophysical Year (ex-officio); National Bureau of Standards Technical Advisory Committee, 1958–59. Awards: Scientific Achievement, Washington Academy of Sciences, 1947.

WENDELL, Edward N. (A'26-M'33-SM'43-F'47), Retired. Marmion Way, Rockport, Mass.

Born: August 11, 1903, Rockport, Mass. B.Sc., 1925, Massachusetts Institute of Technology.

WENDT, Karl R. (A'36—SM'46—F'54), Chief Engineer, Communications and Radar, The Martin Company, Denver 1, Colo. Born: January, 1906, Coshocton, Ohio. Committees: Papers Review, 1951-53. Sections: Buffalo-Niagara, secretary-treasurer, 1949-50, chairman, 1950-51. Awards: Radio Corporation of America Laboratories Award, 1947.

WHEELER, Harold A. (A'27—M'28—F'35), Consulting Radio Physicist; President, Wheeler Laboratories, Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.

Born: May 10, 1903, St. Paul, Minn. B.S. (Physics), 1925, George Washington University, IRE Offices: Director, 1934, 1940-45. Committees: Administrative Committee of the Board of Editors, 1951-53; Annual Review, 1937, 1940-48; Awards, 1942-44, chairman, 1943; Bibliography, 1930-32; Board of Editors, 1940-53; Broadcast, 1935-38; Circuits, 1944-47; Editorial Administrative, 1949-52; Editorial Reviewer, 1954-59; Executive, 1943-44; Handbook, chairman, 1945-48; Meetings and Papers, 1929-30; Membership, 1941-42; New York Program, 1931; Nominations, 1948; Papers, 1931-33, 1935-39; Papers Procurement, 1942-44; Professional Recognition, 1947; Public Relations, 1940; Radio Receivers, 1936-37, chairman, 1937-38; Regular Papers, 1941; Special Papers, 1940-41; Standardization, 1931-32; Standards, 1932-33, 1936-49, chairman, 1940-45; Symbols, 1946-47. Sections: Long Island Subsection, chairman, 1948-49. IRE Representative: ASA Sectional Committee (C-42) on Definitions of Electrical Terms, 1948, 1950-51; National Television Systems Committee, alternate, 1940-43. Awards: Fellow, American Institute of Electrical Engineers; Fellow, Radio Club of America; Modern Pioneer Award, National Association of Manufacturers, 1940; IRE Morris Liebmann Memorial Prize, 1940; United States Navy Certificate of Commendation, 1947.

WHINNERY, John R. (A'41-SM'44-F'52), Professor, Chairman of Electrical Engineering, University of California, 231 Cory Hall, Berkeley 4, Calif.

Born: July 26, 1916, Read, Delta County, Colo. B.S., 1937, Ph.D., 1948, University of California. IRE Offices: Director, 1956, 1957-58. Committees: Antennas, 1948-49; Awards, 1952; Board of Editors, 1946-53; Editorial Reviewer, 1954-59; Education, 1956-58; Handbook, 1945-48; Nominations, 1957-58; Papers, 1944-15; Papers Procurement, 1947-50; Policy Advisory, 1958. Sections: San Francisco, secretary-treasurer, 1949-50, vice-chairman, 1950-51. chairman, 1953-54.

WHITE, Edwin L. (A'24-M'31-SM'43-F'55), Retired. Colonel, United States Air Force; Consulting Engineer, 460 Coffee Pot Riviera, St. Petersburg 4, Fla.

Born: July 5, 1896, Valley City, N.D. B.A., 1922, M.S., 1925, George Washington University. Committees: Administrative PGVC, 1950-56. Sections: Florida West Coast Section, chairman, 1956-57. Awards: Bronze Star; Fellow, American Institute of Electrical Engineers, 1947.

WHITE. Warren D. (A'47-SM'48-F'57), Engineering Consultant, Airborne Instruments Laboratory, 160 Old Country Rd., Mineola, L.I., N.Y.

Born: July 7, 1915, Springfield, Mo. B.S., 1936, Drury College; B.S.(E.E.), 1938, Missouri School of Mines and Metallurgy. Committees: Editorial Reviewer, 1954-59; Frequency Modulation, 1942-46; Radio Wave Propagation, 1942-46; Transmitters and Antennas, 1942-45. Professional Groups: Information Theory, Administrative Committee, 1952-57.

WHITE, William C. (A'15-M'25-F'40)(L), Retired. 1422 Lowell Rd., Schenectady 8, N.Y.

Born: March 24, 1890, Brooklyn, N.Y. E.E., 1912, Columbia University. IRE Offices: Treasurer, 1946; Director, 1943-47. Committees: Awards, 1944-46, chairman, 1945; Bibliography, 1930-32; Board of Editors, 1930, 1944, 1946-53; Education, 1945-46; Executive, vice-chairman, 1946; Investments, chairman, 1946; Meetings and Papers, 1928-30; Membership, 1947, 1949-54, chairman, 1953-54; Nominations, 1933, 1940, 1944-46; Office Practices, 1947; Papers, 1931-44; Papers Procurement, 1944-50; Professional Recognition, chairman, 1947; Standardization, 1925-26, 1929-30; Vacuum Tubes, 1927-28. IRE Representative: National Electronics Conference, Board of Directors, 1947-50.

WHITTEMORE Laurens E. (A'16-M'25-F'27)(L), 31 Martindale Rd., Short Hills, N.J.

Born: August 20, 1892, Topeka, Kan. A.B., 1914, Washburn, College; M.A., 1915, University of Kansas, IRE Offices: Vice President, 1928; Manager, 1926-27, 1929; Director, 1928, 1935-37. Committees: Administrative Committee of the Board of Editors, 1951-53; Annual Review, 1927-40, chairman, 1940-53; Awards,

1937, 1948; Bibliography, 1930-32; Board of Editors, 1929-53; Broadcast, 1933-34, 1953; Direction Finding Terminology, chairman, 1924-25; Editorial Administrative, 1946-53; Electroacoustic Devices, 1927-28; History, 1956-59; Institute Sections, chairman, 1926; Meetings and Papers, 1929; Membership, chairman, 1925: Standardization, 1920–32, chairman, 1926–29; Standards, 1932–35, 1944–52, Symbols, chairman, 1944–45; Tellers, 1934, IRE Representative: ASA Sectional Committee on Graphical Symbols and Abbreviations for Use on Drawings, 1939; ASA Sectional Committee on Radio, 1930, 1936, 1939-48; ASA Sectional Committee on Radio Electrical Co-ordination, 1936, 1939-46; ASA Sectional Committee on Standards for Drawings and Drafting Room Practices, 1930, 1936, 1939; ASA Subcommittee on Electrical Abbreviations, Including Radio, 1930; United States National Committee-Advisors on Symbols, 1936, 1939-51.

WIESNER, Jerome B. (S'36-A'40-SM'48-F'52), Professor and Director, Research Laboratory of Electronics, Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge 39, Mass.

Born: May 30, 1915, Detroit, Mich. B.S., 1937, M.S., 1938, Ph.D., 1950, University of Michigan. Committees: Awards, 1954-55; Board of Editors, 1949-53; Editorial Reviewer, 1954-59; Modulation Systems, 1949-50; Nuclear Studies, 1948-49; Professional Groups, 1955; Research, 1949-50. IRE Representative: National Bureau of Standards Technical Advisory Committee, 1958-59.

WILKINS, Arnold F. (A'30-SM'48-F'58), Senior Principal Scientific Officer, Department of Scientific and Industrial Research, Radio Research Station, Ditton Park, Slough, Buckinghamshire, England.

Born: February 20, 1907, Manchester, England. M.Sc. (Tech), 1928, University of Manchester. Awards: Officer of the Order of the British Empire, 1942.

WILLIAMS, Albert J., Jr. (A'30-VA'39-SM'49-F'55), Science Advisor, Leeds & Northrup Company, 4901 Stenton Ave., Philadelphia 44, Pa.

Born: February 28, 1903, Media, Pa. B.A. (E.E.), 1924, Swarthmore College. Awards: John Price Wetherill Medal, Franklin Institute, 1952.

WILLIAMS, Charles E. (J'15-A'17-M'24-SM'43-F'52), Re-

tired. 2207 Broadway N., Seattle 2, Wash. Born: March 15, 1896, Seattle, Wash. Committees: Sections, 1925; Standardization, 1929-30. Sections: Seattle, secretary, 1920-24, 1935-36, chairman, 1925-26.

WILLIAMS, Everard M. (S'36-A'41-SM'44-F'54), Professor and Head, Electrical Engineering, Carnegie Institute of Technology, Schenley Park, Pittsburgh 13, Pa.

Born: February 2, 1915, New Haven, Conn. B.E., 1936, Ph.D., 1939, Yale University. Committees: Awards, 1956-57, chairman, 1958; Awards Coordination, 1959; Sections, 1947-48. Sections: Pittsburgh, chairman, 1947. IRE Representative: Carnegie Institute of Technology, 1946-51. Awards: Presidential Certificate of Merit for Outstanding Civilian Service in World War II; Eta Kappa Nu Award, 1946.

WILLIAMS, Frederic C. (SM'54-F'57), Edward Stocks Massey Professor, Electrical Engineering, University of Manchester, Sandy Lane, Romiley, Cheshire, England. Born: June, 1911, Romiley, Cheshire, England. B.Sc., 1932, M.Sc., 1933, D.Sc., 1939, Manchester University, England; D.Phil., 1936, Oxford University. Awards: Order of the British Empire,

1945; Fellow, The Royal Society, England, 1950; Benjamin Franklin Medal, 1957. WILLIAMS, Samuel B. (A'47-SM'53-F'57), Consulting Electrical Engineer, 3701 Taylor St., Chevy Chase 15. Md.

Born: May 26, 1881, Dayton, Ohio. M.E. (E.E.), 1905, Ohio State

University. Committees: Feedback Control Systems, 1959. WILLIAMSON, Raymond H. (A'31-M'44-SM'46-F'51), Manager, Engineering Administration, Communication Products Department, General Electric Company, Lynchburg, Va. Born: April 6, 1907, Eagle Grove, Iowa. B.S.(E.E.), 1928, Iowa State College; M.S.(E.E.), 1935, Union College. Committees: Membership, 1945–56; Papers Procurement, 1947–50. Sections: Syracuse, vice-chairman, 1948–49; chairman, 1949–50.

WILMOTTE, Raymond M. (M'29—F'38), Consulting Engineer and President, Raymond M. Wilmotte, Inc., P.O. Box 397, Kendall Branch Post Office, Miami, Fla.

Born: August 13, 1901, Paris, France. M.A., 1921, Sc.D., 1958, Cambridge University, England. Committees: Handbook, 1945-47; Industrial Electronics, 1947-48; New York Program, 1933; Papers, 1932-33; Papers Review, 1946-52; Radio Receivers, 1940-47; Radio Transmitters and Antennas, 1929-30; Sections, 1932; Standardization, 1931; Standards, 1932. Awards: Premium for Research, Institution of Electrical Engineers, 1930; Bureau of Ordnance Development Award, 1945.

WILSON, James R. (M'31—SM'43—F'54), Assistant Vice President, Bell Telephone Laboratories, Inc., Murray Hill, N.J. Born: December 17, 1894, Spokane, Wash. B.A., 1919, Reed College; M.S., 1920, California Institute of Technology; M.S., 1923, Columbia University. Committees: Electronics, 1939–46. Professional Groups: Electron Devices; Reliability and Quality Control.

WING, Arthur K., Jr. (J'28—A'30—M'40—SM'43—F'57), Director, Electron Tube Laboratory, International Telephone & Telegraph Laboratories. 500 Washington Ave., Nutley 10. N.J. Born: July 1, 1908, New York, N.Y. B.S.(E.E.), 1930, Yale University; M.S.(E.E.), 1931, Massachusetts Institute of Technology. Committees: Tellers. 1953. Professional Groups: New York, chairman, Electron Devices, 1955–56; General Committee, 2nd Annual Technical Meeting, Electron Devices, secretary, 1956; General Committee, 3rd Annual Technical Meeting, Electron Devices, chairman, 1957; Administrative Committee, 1955–58, 1959–61; Administrative Committee, secretary-treasurer, 1958–59, 7.1 Subcommittee on Tubes in which Transit Time is Not Essential.

WINTER, David F. (SM'50—F'58), Chief Engineer, Vice President and Director of Research, Moloney Electric Company, 5390 Bircher St., St. Louis, Mo.

Born: November, 1920, St. Louis, Mo. B.S. (E.E.), 1942, Washington University; M.Sc., 1948, Massachusetts Institute of Technology.

WINTRINGHAM, William T. (A'26—SM'45—F'51), Engineer-in-Charge of Visual Systems Research, Bell Telephone Laboratories, Inc., Murray Hill, N.J.

Born: January 18, 1904, Brooklyn, N.Y. B.S.(E.C.E.), 1924, Harvard University. Committees: Papers Review, 1948-49; Standards, 1957-59; Television Systems, 1953-59, vice-chairman, 1954-55, chairman, 1955-57. Sections: New York, treasurer, 1949-50.

WOLCOTT, C. Frederick, Jr. (J'26—A'28—M'36—SM'43—F'57), Technical Consultant, Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6. Calif.

Born: January 11, 1907, Anderson, Ind. Northwestern University. IRE Offices: Director, 1956-57. Committees: Appointments, 1957-58; Nominations, 1956; Policy Advisory, 1956, chairman, 1957; Receivers, 1946-49. Sections: Los Angeles, secretary, 1941, chairman, 1942; Nominating Committee, chairman, 1951; Sections Relations Committee, chairman, 1954-56; Fellow Nominating Committee, chairman, 1958. IRE Representative: Liaison Officer, IRE-WEMA West Coast Convention, 1948; Registration, chairman, West Coast Convention, 1950; Advisory Group, WESCON, chairman, 1953; WESCON Convention, vice-chairman, 1954; WESCON, Board of Directors, chairman, 1956.

WOLFF, Irving G. (A'27—VA'39—F'42), Vice President, Research, RCA Laboratories, Radio Corporation of America, Princeton, N.J.

Born: July, 1894, New York, N.Y. B.S., 1916, Dartmouth College; Ph.D., 1923, Cornell University. IRE Offices: Director, 1952-53. Committees: Appointments, 1952; Awards, 1954-56;

chairman, 1955; Awards Coordination, 1958-59; Board of Editors, 1946-53; Editorial Reviewer, 1954-59; Education, 1945-46, 1948-52; Electroacoustic Devices, 1920-30; Electronics, 1943-46; Meetings and Papers. 1928-30; Nominations, 1952-54; Papers, 1931-45; Sections, 1937, 1953, chairman, 1953; Standardization, 1927-30; Use of Transmission Unit, 1928-29. Sections: Philadelphia, chairman, 1936-37. IRE Representative: ASA Sectional Committee on Acoustical Measurements and Terminology, 1936, 1939. Awards: Distinguished Public Service Award, United States Navy, 1949.

WOOLDRIDGE, Dean E. (SM'50-F'54), President, Ramo-Wooldridge Corporation, 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

Born: May 30, 1913, Chickasha, Okla. B.A., 1932, M.S., 1933, University of Oklahoma; Ph.D. (Physics), 1936, California Institute of Technology. Awards: National Research Fellowship, California Institute of Technology, 1936; Citation of Honor Award for Outstanding Achievements in Field of Electronic Research and Development, Air Force Association, 1950; Raymond E. Hackett Award, 1955.

WOOLVERTON, Robert B. (A'13—M'13—F'15)(L), Retired. Colonel, United States Army, 654 12 Ave., San Francisco 18, Calif.

Born: September 22, 1884, Greensboro, Pa. B.S., 1912, Harvard University. Committees: Increase of Membership, 1914; Papers, 1915; Publicity, 1915–19. Sections: San Francisco, chairman, 1915.

WOONTON, Garnet A. (A'40—SM'44—F'51), Macdonald Professor of Physics; Director, Eaton Electronics Research Laboratory; Chairman, Department of Physics, McGill University, Montreal, P.Q., Canada.

Born: July, 1906, London, Ont., Canada. B.A., 1925, M.A., 1931, D.Sc., 1955, University of Western Ontario. Committees: Education, 1945-46. Sections: London, chairman, 1945. IRE Representative: University of Western Ontario, 1941-47. Awards: Fellow, Royal Society of Canada; International Vice President, URSI.

WRIGHT, Jay W. (A'42—SM'44—F'58), President, Radio Service Corporation of Utah, Station KSL-KSL-TV, 145 Social Hall Ave., Salt Lake City 11, Utah.

Born: November, 1909, Salt Lake City, Utah. A.B. (Physics), 1935, M.Sc. (Physics), 1936, University of Utah. Committees: Antennas, 1946–49; Constitution and Laws, 1940–41; Frequency Modulation, 1946–47; Modulation Systems, 1947–48; Papers, 1942–45; Papers Review, 1946–50; Radio Wave Propagation and Utilization, 1946–49; Wave Propagation, 1949–56. Awards: Navy Department Certificate of Appreciation, War Department, 1948.

WYCKOFF, Ralph D. (M'29—SM'43—F'55), Director, Instrument Development Division, Gulf Research & Development Company, P.O. Box 2038, Pittsburgh 30, Pa.

Born: December 10, 1897, Jacobsville, Mich. B.S. (E.E.), 1920, Michigan State. Sections: Pittsburgh, chairman, 1935-36. Awards: OSRD Certificate of Appreciation, 1945; War and Navy Departments' OSRD Certificates of Appreciation, 1946.

YAGI, Hidetsugu (F'53), President, Musashi College of Technology, Todoroki 1, Setagayaku, Tokyo, Japan.

Born: January 28, 1886, Osaka, Japan. M.Eng., 1909, Tokyo University; Dr.Eng., 1919, Tohoku University. Committees: Meetings and Papers, 1929; Standardization, 1927-31. Sections: Tokyo, chairman, 1956.

YOUNG, Charles J. (A'35—SM'45—F'53), Associate Laboratory Director, RCA Laboratories Division, Radio Corporation of America, Princeton, N.J.

Born: December 17, 1899, Cambridge, Mass. B.A., 1921, Harvard University. Committees: Annual Review, 1944-47; Board of Editors, 1941-46; Facsimile, 1939-46, 1948-56, chairman, 1944-47, 1949-50, vice-chairman, 1948-51; Papers Procurement, 1947; Standards, 1944-47; Television and Facsimile, 1936-39. Awards:

Modern Pioneer Award, National Association of Manufacturers, 1046

YOUNG, Leo C. (A'19-M'29-SM'43-F'43)(L), Consultant, Naval Research Laboratory, Washington 25, D.C.

Born: January 12, 1891, Danville, Ill. Sections: Washington, secretary, 1938-39, chairman, 1940. Awards: Presidential Certificate of Merit, 1946; Stuart Ballentine Medal, 1957; Distinguished Civilian Service, 1958.

ZADEH, Lotfi A. (S'45—A'47—M'50—SM'56—F'58), Professor of Electrical Engineering, Columbia University, New York 27, N.Y.

Born: February 4, 1921, Baku, Russia. B.S., 1942, University of Teheran; M.S., 1946, Massachusetts Institute of Technology; Ph.D., 1949, Columbia University. Committees: Editorial Reviewer, 1954-59. Professional Groups: Administrative Committee, Circuit Theory, 1954-57; Administrative Committee, Information Theory, 1958-.

ZAHL, Harold A. (A'39—SM'46—F'50), Director of Research, U. S. Army Signal Research & Development Laboratory, Fort Monmouth, N.J.

Born: August, 1904, Chatsworth, Ill. A.B., 1927, North Central College; M.S., 1929, Ph.D., 1931, State University of Iowa. IRE Offices: Director, 1949. Committees: Administrative Committee on the Board of Editors, 1951-53; Awards, 1956-58; Awards Coordination, chairman, 1959; Board of Editors, 1951-53; Editorial Administrative, 1949-53; Electroacoustics, 1936-37; Electronics, 1943-44. Awards: Legion of Merit, Department of the Army, 1945; IRE Harry Diamond Memorial Award, 1954.

ZENNECK, Jonathan A. W. (F'48)(L), Professor, Retired. Althegnenberg, Über Mering 13B, Germany.

Born: April 15, 1871, Ruppertshofen, Wuerttemberg, Germany. D.Sc., 1894, University of Tuebingen, Germany; Dr.Ing. (Honorary), Institute of Technology, Dresden, 1928. IRE Offices: Vice President, 1933, Director, 1933. Committees: Standardization, 1915–18, 1927–28. Awards: Member, Bavarian Academy of Science, 1917; Gold Medal, Heinrich Hertz Gesellschaft, 1926; Medal of Honor, 1928; Goethe Medal for Art and Science, German Government, 1932; Gauss-Weber Medal, University of Goettingen, 1933; Member, German Aeronautical Academy, 1938; Honorary Member, German Physical Society, 1941; Honorary Member, German Society for Applied Physics, 1941; Corresponding Member, Academy of Science, Goettingen, 1941;

Siemens-Stephan Memorial Plate, German Society of Electrical Engineers, 1943; Gold Medal, The City of Munich, 1946; Grashof Medal, Society of German Engineers, 1949; President, Union of German Physical Societies, 1950; Honorary Citizen, Institute of Technology, Stuttgart and Karlsruhe, 1951; Grosses Verdienstkreuz des deutschen Verdienstordens, 1952; Honorary President, Deutsches Museum, 1953; Ehrenkunde des Verbands deutschen Elektrotechniker, 1954.

ZOTTU, Paul D. (A'31—M'38—SM'43—F'44), President, Consulting Engineer, Industron Corporation, 55 Needham St., Newton Highlands 61, Mass.

Born: March 22, 1906, Bucharest, Roumania. B.A., 1931, Wesleyan University. Committees: Annual Review, 1945–46; Board of Editors, 1943; Industrial Electronics, 1945–47, chairman, 1945–46; Membership, 1947–48; Papers Procurement, 1946; Standards, 1945–46. Awards: Hyat Award, Plastics Industry.

ZWORYKIN, Vladimir K. (M'30—F'38), Honorary Vice President, Radio Corporation of America; Technical Consultant, RCA Laboratories, David Sarnoff Research Center, Radio Corporation of America, Princeton, N.J.

Born: July, 1889, Mourom, Russia. E.E., 1912, Petrograd Institute of Technology; Student Coll. de France, Paris, 1912-14; Ph.D., 1926, University of Pittsburgh; D.Sc., 1938, Polytechnic Institute of Brooklyn, Committees: Board of Editors, 1944-53; Medical Electronics, 1955-56. Awards: IRE Morris Liebmann Memorial Prize, 1934; Overseas Award, British Institution of Electrical Engineers, 1939; Modern Pioneer Award, National Association of Manufacturers, 1940; Rumford Medal, American Academy of Arts and Sciences, 1941; War Department Certificate of Appreciation, 1945; Howard N. Potts Medal, Franklin Institute, 1947; United States Navy Certificate of Commendation, 1947; Presidential Certificate of Merit, 1948; Lamme Award, 1948; Gold Medal of Achievement, Poor Richard Club, 1949; IRE Medal of Honor, 1951; Society of Motion Picture and Television Engineer Progress Medal Award, 1951; AIEE Edison Medal, 1952; Fellow, American Institute of Electrical Engineers; Fellow, American Physical Society; Fellow, American Association for the Advancement of Science; Charter Member, Electron Microscope Society of America; Fellow, National Academy of Sciences of U.S.A.; Fellow, American Philosophical Society; Chevalier Cross, French Legion of Honor; Officer of French Academy of Science; the New York Academy of Sciences; Affiliate Member of the Rockefeller Institute for Medical Re-

Alphabetical Index of Products

| Product | Page | Product | Page | Product | Page | Product I | Page |
|--|---------------|--|-------------------|---|------------|---|------------|
| decades, capacitance | 276 | filters, crystal | 448 | hermetic seals, switch & | | metal relay rack panels | 598 |
| decades, impedance | 276 276 | filters, equalizer | 448 448 | shaft | 461 628 | metal stamping & spin- | 628 |
| decades, resistance dehydrators | 661 | filters, high pass filters, loudspeaker dividin | | hermetic sealing service | 020 | ning metals, alloys | 677 |
| delay lines, decade | 443 | networks | 448 | | | metals, copper | 677 |
| delay lines, distributed | | filters, low pass | 448 | | | metals, ferrous | 677 |
| stant fixed | 443 | filters, mechanical | 448 448 | | | metals, metallic oxides | 677 |
| delay lines, distributed stant variable | 443 | filters, microwave filters, noise reduction | 448 | —-I— | | metals, non-ferrous, exclud- ing copper | 677 |
| delay lines, lumped con | | filters, SSB | 448 | | | metals, powdered | 677 |
| stant fixed | 443 | filters, UHF & VHF | 448 | impedance & admittance | | metals, precious & rare | 677 |
| delay lines, lumped con | ı- 443 | finishing & protecting | 659 | meters | 335 | meters, frequency indicat- | 470 |
| stant variable delay lines, ultrasonic | 443 | lacquer fixed frequency transmit- | 0,79 | incandescent lights | 483 | meters, volume level | 470 |
| despatching equipment | 289 | ters | 281 | individual item builders | 654 649 | micro-ammeters | 470 |
| detectors-flaw | 291 | fixed station antenna sys- | 200 | insulation materials | 651 | microphone stands | 475 |
| detectors, infrared equip dials & dial assemblies | o. 313 635 | tem flexible shafts | 377 635 | insulation solvents | 659 | microphones geophysical microphones, aircraft | 311 475 |
| diathermy, medical equi | | fluid flow controls | 271 | insulation testers | 291 353 | microphones, carbon | 475 |
| dictation equipment, re- | - | FM broadcast receivers | 279 | inter-coms | 269 | microphones, ceramic | 475 |
| ing | 343 | FM broadcast transmitters | | ionization chambers | 326 | microphones, condenser | 475 |
| digital to analog conve | rt- 283 | frequency shift converters frequency shift keyers | 358 358 | ionization gauges | 326 | microphones, crystal microphones, dynamic | 475 475 |
| digital voltmeters | 291 | frequency monitor equip- | ,,,, | isolation pads | 589 | microphones, magnetic | 475 |
| di-electric heating | 649 | ment | 325 | | | microphones, velocity | 475 |
| diode testers | 291 | frequency standards | 353 | | | microwave calorimeters | 319 |
| direction finders, marine | e 316 343 | fungus & moisture proof- ing | 628 | | | microwave frequency meters | 319 |
| distortion & noise anal | | fungus preventatives | 659 | | | microwave marker genera- | |
| ers | 269 | fuse holders | 459 | J | | tors | 319 |
| dosimeters | 326 nt 291 | fuses | 459 | iack fields | 463 | microwave receivers microwave relay equip. | 317 317 |
| dynamometers equipment dynamotors | 477 | | | iacks | 463 | microwave transmitters | 317 |
| | • • • | | | jobbers & wholesalers | 703 | microwave, bolometers | 319 |
| | | | | | | microwave, mixers | 319 |
| | | —G | | | | microwave, oscillators microwave, pulse generators | 319 319 |
| - | | 9 | | | | microwave, SWR meters | 319 |
| E | | galvanometers | 291 | т. | | microwave, time delay | 210 |
| | | galvanometers, geophysical | | | | generators microwave, wavemeters | 319 319 |
| elapsed time measuring | 353 | galvanometers (indicators) | | | | milli-ammeters | 470 |
| equip. electric heaters & elem | | gaskets GCA equipment | 635 266 | lacing cord & tape | 635 271 | mobile receivers | 325 |
| electrocardiographs | 317 | geiger-mueller tube | 577 | liquid level indicators | 470 | mobile transmitters modulation, monitor equip | 325 325 |
| electro-encephalographs | 317 | general production machin | | loudspeakers, commercial | | pilot lights, brackets | 483 |
| electro-plating electrometers | 628 291 | ery & tools geophysical equipment | 661 311 | grade loudspeakers, cones | 467 467 | moisture proofing materials | |
| electronic calculators | 283 | germanium diodes | 541 | loudspeakers, headphones | 467 | molded plastic cabinets molded, insulators | 598 681 |
| electronic cauterizing | 317 | glass bonded mica | 651 | loudspeakers, high-fre- | | molded, knobs & parts | 681 |
| electronic remote control | | graphic recorders, boards- | 312 | quency loudspeakers, low-frequenc | 467 | molding machinery | 661 |
| ers | 343 | graphic recorders, charts | | loudspeakers, wide-range, | | motor-generators motors, blower & fans | 477 477 |
| encapsulation service | 628 | papers | 312 | & 3 way systems | 467 | motors, clock radio | 477 |
| enclosures, assembly engraving | 598 628 | graphic recorders, ink wr | it- 312 | | | motors, fractional HP | 477 |
| environmental test char | | graphic recorders, inkless | 712 | | | motors, frequency changers | s 477 |
| ers | 291 | types | 312 | | | motors, phonograph motors, servo | 477 477 |
| equalizers, dialogue equalizers, line | 447 447 | graphic recorders, fixed | 212 | _M_ | | motors, speed regulating | 477 |
| equalizers, magnetic rec | | speed types graphic recorders, variable | 312 | | | motors, synchronous | 477 |
| ing | 447 | speed types | 312 | | 600 | motors, synchros motors, timers | 477 477 |
| equalizers, recording di ameter | - 447 | graphite-colloidal | 659 | magazines Magnetic recording tape— | 699 | multi-vibrators RF | 335 |
| equalizers, sound effect | | grilles grommets | 635 635 | acetate base | 509 | multi-tester | 291 |
| etched or screened pre- | | ground based, radar equi | | magnetic recording, play- | E00 | | |
| chassis export & import | 503 703 | ment | 333 | back & erase heads Magnetic recording tape— | 509 - | | |
| expert of import | 703 | gyroscopes | 271 | paper base | 509 | | |
| | | | | magnetic recording wire | 509 | N | |
| | | | | magnetic tape recorders magnetic wire recorders | 343 343 | 1 | |
| —F— | | | | magnets, electro | 467 | nameplates | 635 |
| - | | H | | magnets, permanent | 467 | neon lights | 483 |
| fan blades | 395 | | | marine, radar equipment markers & tags | 333 635 | null indicators | 291 |
| fasteners | 635 | hardening & heat-treating | 628 | markers generators, radio | رری | | |
| fiberglas tapes | 651 | harmonic frequency meter | 269 | frequency | 335 | | |
| fiberglas tubing field strength meters, r | 561 | hermetic seals, ceramic to | 461 | marking & engraving ma- chines | 661 | | |
| equipment | 335 | hermetic seals, complete | .01 | marking services | 628 | _0- | |
| filters, antonna | 448 | headers | 461 | mass spectrometer | 291 | | |
| filters, band pass & ba rejection | na 448 | hermetic seals, glass to | 461 | memory & storage device | | ohm & megohm meters | 291 |
| , | | , | | | ,,,, | | /- |

Alphabetical Index of Products

| Product | Page | Product | Page | Product | Page | Product | Page |
|--|------------|---|------------|--|------------|--|------------|
| optical filters, infrared | 313 | production controls, count- | | relays, keying | 515 | single sideband, receivers | 351 |
| optical transmitting ma- | | ing & sorting equip- | | relays, latching | 515 | single sideband transmitters | |
| terials | 313 | ment | 271 681 | relays, mercury contact | 515 515 | slip rings | 419 |
| oscillators, RF oscilloscope cameras | 335 329 | proprietary moldings public address, sound sys- | 001 | relays, polarized relays, power control & |)1) | slotted lines & measuring accessories | 319 |
| oscilloscopes, general pur- | | tems | 353 | overload | 515 | sockets, crystal | 547 |
| pose | 329 | pulse count integrators | 326 | relays, rotary | 515 | sockets, diodes | 547 |
| oscilloscopes, special UHF | | pyrometers | 291 | relays, sensitive | 515 | sockets, pilot light | 547 |
| & pulse analysis equip. | 329 | pyrometers, infrared equip- ment | 313 | relays, stepping relays, sub-miniature | 515 515 | sockets, plug-in | 547 547 |
| oscillosynchroscopes output power meters | 329 269 | ment | 717 | relays, telephone | 515 | sockets, printed circuit sockets, receiving tube | 547 |
| ovens | 649 | | | relays, time delay | 515 | sockets, transistor | 547 |
| | | | | remote control monitors | 325 | sockets, transmitting tube | 547 |
| | | | | repeat & relay equipment | 282 | sockets, UL approved indus- | 547 |
| | | | | labs. | 654 | trial types solder dipped prewired | 34/ |
| _ | | | | resistors, carbon fixed | | chassis | 503 |
| P | | 2.5 | 225 | molded | 527 | soldering irons & guns | 661 |
| | | q meters, RF | 335 | resistors, carbon, variable | 527 | solder, acid core | 689 |
| packaged circuits | 283 | | | resistors, deposited carbon resistors, potentiometers | 527 527 | solder fluxes solder, plain | 689 689 |
| packaging materials | 635 | | | resistors, potentiometers, | J_/ | solder, precious metal | 689 |
| packaging | 628 | | | precision | 527 | solder, pre-forms | 689 |
| panels, instrument & meter | 598 | | | resistors, precision film | 527 | solder, rosin core | 689 |
| paper insulation | 651 | —R— | | resistors, printed circuit resistors, vacuum sealed | 527 527 | sonar, marine | 316 269 |
| particle accelerators | | | | resistors, vacuum sealed resistors, very high | 721 | sound level meters AF spectrometers | 291 |
| equip. | 326 | racks-aging | 291 | megohm | 527 | spectrum analyzers | 269 |
| patch cords phase meters, RF | 463 335 | radiation detectors | 326 | resistors, wirewound, fixed | 527 | springs | 635 |
| photo electric controls | 271 | radiometers, infrared radiotelephones, marine | 313 316 | resistors, wirewound, vari- | 527 | square wave generators | 269 |
| pick-ups-crystal | 481 | receivers, airborne | 266 | able resistors, wirewound, pre- | 321 | stimulators, medical strain indicators | 317 470 |
| pick-ups-dynamic | 481 | receivers, airport | 266 | cision cision | 527 | strain reliefs | 635 |
| pick-ups-magnetic | 481 | receivers, AM broadcast | 281 | retaining rings | 635 | stroboscopes | 291 |
| pick-ups-reluctance pilot lights, brackets, | 481 | receivers, amateur receivers, central station | 325 | RF power output meters | 335 | styli-diamond | 481 |
| jewels, mounts | 483 | receivers, FM broadcast | 281 | RF signal generators rheostats | 335 527 | styli-metallic | 481 481 |
| pilot run plants | 654 | receivers, microwave relay | 317 | rivets | 635 | styli-sapphire subminiaturization service | 654 |
| plastic fabricators | 628 | receivers, mobile | 325 | rubber insulation | 651 | surplus dealers | 703 |
| plastic molders plastics, extrusions | 628 685 | receivers, mobile central | 325 | | | survey meters, nuclear | 326 |
| plastics, laminations | 685 | receivers, point-to-point | 332 | | | sweep generators, RF | 335 |
| plastics, raw powders | 685 | receivers, radar | 333 | | | sweep generators, TV switch seals | 363 635 |
| plastics, rods | 685 | receivers, single sideband | 351 | | | switches, band | 551 |
| plastics, sheets | 685 | receivers, telegraph & tele- | | —S— | | switches, coaxial | 551 |
| plastics, tubes plastic insulation | 685 651 | printer receivers, telemeter | 358 359 | | | switches, contacts | 551 |
| playback arms | 481 | receivers, TV b & w | 279 | sales & service | 703 | switches, control | 551 551 |
| plugs | 463 | receivers, TV closed circuit | | salt spray resistive coding | 659 | switches, crossbar switches, electronic | 551 |
| point to point equip., | 220 | receivers, TV color | 279 | scalers, nuclear screw machine products | 326 635 | switches, ferrite | 551 |
| receivers point to point equip., | 332 | receivers, UHF-VHF | 279 | screws, nuts & washers | 635 | switches, foot | 551 |
| transmitters | 332 | amateur | 267 | screws, self sealing | 635 | switches, key | 551 551 |
| positioning equipment | 271 | receiving equipment, | | sealing & potting com- | | switches, limit switches, mercury | 551 |
| positioning indicators | 470 | facsimile | 291 | pounds | 659 | switches, momentary con- | ,,,, |
| potentiometers, precision power supplies, infrared | 527 313 | record changers record players | 481 481 | secondary standards of fre quency | 353 | tact | 551 |
| power supplies, AC type | 487 | recording galvanometers | 311 | secondary standards of | | switches, power | 551 |
| power supplies, DC type | 487 | recording oscillographs | 329 | time | 353 | switches, precision snap- action | 551 |
| power supplies, high volt- | | recording, cutting heads | 509 | selective calling equipment | | switches, rotary | 551 |
| age, kilovolt power supplies, low volt- | 487 | recording, blank disks recording, cutting styli | 509 509 | sensitized paper equipment servo amplifiers 345 & | | switches, slide | 551 |
| age | 487 | recording, demagnetizer | 509 | servo controls 271 8 | | switches, solenoids | 551 551 |
| power supplies, magnetic | 487 | recording, tape splicing | | servo couplings | 345 | switches, spring-return switches, tap | 551 |
| power supplies, medium | | equipment | 509 | servo magnetic clutches | 345 | switches, thermally oper- | JJ1 |
| voltage power supplies, microwave | 487 | rectifiers, copper oxide rectifiers, copper sulfide | 511 511 | servo motors & generators 345 & | 477 | ated | 551 |
| power supplies, primary | 487 | rectifiers, germanium | 511 | servo multipliers | 345 | switches, time | 551 |
| power sources, fuel, | | rectifiers, grid controlled | 513 | servo repeaters | 345 | switches, toggle & push button | 551 |
| engine driven | 487 | rectifiers, mercury vapor | 513 | servo resolvers | 345 | synchronizing generators, | ,,, |
| power supplies, transistor | | rectifiers, receiving rectifiers, selenium diodes | 513 511 | servo-mechanisms, gears, gear-trains, etc. | 345 | TV | 363 |
| power supplies, variable power supplies, voltage res | 487 | rectifiers, selenium stacks | 511 | shielded enclosures | 291 | synchros | 477 |
| ulated power sources | g- 487 | rectifiers, silicon | 511 | shielding, microwave | 687 | synthetic insulation | 651 |
| pressure controls | 271 | rectifiers, transmitting | 513 | shielding, radio frequency | 687 | | |
| pressure gages | 291 | relay broadcast & stl equip | 281 | shipborne communications equipment | 316 | Œ | |
| primary standards of fre- | | ment relay racks & cabinets | 621 | signal generators, AF | 269 | —T— | |
| quency | 353 | relays, co-axial | 515 | signal generators, AM | 335 | | |
| primary standards of time | | relays, d'arsonval | 515 | signal generators, FM | 335 | tape phonographs & play- | 40. |
| printed circuit machinery printed electronic assem- | 661 | relays, differential | 515 | signal generator, SSB | 335 | back equipment | 481 |
| blies | 503 | relays, frequency selective relays, hermetically sealed | 515 515 | signal generators, TV silicon diodes | 363 541 | tape recording & play back equipment | 283 |
| printers, computation | 283 | relays, impulse | 515 | silicones | 651 | | 283 |
| | | | | | | | |

Alphabetical Index of Products

| Product | Page | Product | Page | Product | Page | Product | Page |
|---|------------|--|------------|------------------------------------|------------|---|------------|
| technical instruction—hon | 10 | transformers, variable | 561 | tuners, UHF & VHF | 585 | vacuum tube parts, spacers | |
| study | 699 | transformers, vibrator | 561 | tuning forks | 353 | & insulators | 695 |
| technical instruction— | 0,,, | transformers, voltage regu | - | turntables | 356 | vacuum tube parts, stamp- | 605 |
| resident | 699 | lating | 561 | TV broadcast receivers | 279 | ings | 695 |
| telegraph & teleprinter | | transformers, 400 CPS | 561 | TV broadcast transmitters | 281 | vacuum tube testers | 291 |
| equip. receivers | 358 | transistor testers equipment | | TV broadcast—B & W | 270 | vacuum tube voltmeters | 291 |
| telegraph & teleprinters | | transistors, alloy junction | 541 | receivers | 279 | vacuum, tube basses | 695 |
| equip. transmitters | 358 | transistors, diffused base | 541 | TV broadcast—color re- ceivers | 279 | vacuum, tube caps | 695 |
| telegraph test equipment | 269 | transistors, junction | 541 541 | TV calibrators | 363 | vacuum, tube clamps | 695 |
| telemetering data storage | 250 | transistors, point contact transistors, surface barrier | | TV camera control equip- | | vacuum, tube shields | 695 |
| mechanisms telemetering equip. data | 359 | transit cases | 598 | ment | 356 | vacuum, tubing-cathode | 695 271 |
| corders | 359 | transmitters, amateur | 267 | TV camera lenses | 356 | variable speed controls | 589 |
| telemetering FM/FM | 227 | transmitters, airborne | 266 | TV camera | 356 | varistors | 589 |
| modulators | 359 | transmitters, airport | 266 | TV closed circuit receiver | | vibration & shock mounts | 291 |
| telemetering receivers | 359 | transmitters, AM broadcast | 281 | TV closed circuit transmi | | vibration analyzers | 661 |
| telemetering transmitters | 359 | transmitters, pascimile | | ter | 281 | vibration exciters vibrators, semi-conductor | 427 |
| temperature controls, elec | | transmitters, fixed | | TV film projectors | 356 | video monitors | 325 |
| tronic | 271 | frequency | 281 | TV marker generators | 363 363 | | 343 |
| temperature indicators | 470 | transmitters, FM broadcast | | TV signal generators | | video tape record | 717 |
| terminal blocks & strips | 691 | transmitters, microwave | 317 | TV studio lighting equip- | 356 | voltage regulators, auto- | 589 |
| terminals, rivet or stud | 691 691 | transmitters, microwave | 7 1 77 | ment | 363 | voltage regulators, manu- | ,,,, |
| terminals, wire end | 463 | relay | 317 325 | TV sweep generators | 707 | ally operated | 589 |
| test jacks | 463 | transmitters, mobile transmitters, mobile-centra | | | | voltmeters-audio fre- | |
| test leads | 463 | station | 325 | | | quency | 269 |
| testing & certifying | | transmitters, point to point | | | | voltmeters | 470 |
| organizations | 654 | transmitters, radar | 333 | | | vor equipment | 266 |
| thermistors | 527 | transmitters, relay broadca | ast | _U_ | | | |
| thermostats, bellows | 558 | & stl equip. | 317 | 4 | | | |
| thermostats, bimetal | 558 | transmitters, single side | | VILLE VILLE | 262 | | |
| thermostats, hermetically | FF0 | band | 351 | UHF-VHF generators | 363 | | |
| sealed | 558 | transmitters, telegraph & | 750 | UHF-VHF receivers | 279 | w_ | |
| time & voltage-calibrators | 329 470 | teleprinter | 358 | UHF-VHF transmitters | 281 661 | ,,, | |
| timers, automatic cycle | 470 | transmitters, telemeter | 359 281 | ultrasonic cleaners | 661 | | *** |
| timers, elapsed | 470 | transmitters, TV broadcast | | ultrasonic drills | 291 | walkie-talkies | 289 |
| timing controls | 271 | transmitters, TV closed ci | 281 | ultrasonic generators | 661 | wattmeters & watt hour | 470 |
| transducers, electro- | | transmitters, UHF-VHF | 281 | ultrasonic solderers | 291 | meters | 4/0 |
| mechanical | 559 | tubes, air-cooled power | 581 | ultrasonic testers | 271 | waveguide, directional | 591 |
| transducers, photo electric | c 559 | tubes, atr & TR types | 581 | | | waveguides, cavities | 591 |
| transducers, thermo | | tubes, cathode-ray | 573 | | | waveguides, couplings | 591 |
| electric | 559 561 | tubes, ceramic | 573 | | | waveguides, crystal-detect- | |
| transformers, audio | 901 | tubes, electrometer | 577 | | | ors | 591 |
| transformers, current | 561 | tubes, iconoscopes | 581 | V_ | | waveguides, crystal mounts | s 591 |
| transformers, hermetically | | tubes, image orthicons | 581 | | | waveguides, duplexers | 591 |
| sealed | 561 | tubes, klystrons | 581 | vacuum controls | 271 | waveguides, flexible | 591 |
| transformers, high voltage | | tubes, magnetrons | 581 | vacuum gages | 291 | waveguides, horns | 591 |
| transformers, horizontal of | out- | tubes, miniature | 573 | vacuum pumps | 661 | waveguides, hybrid junc- | |
| put & flyback | 561 | tubes, monoscope | 581 | vacuum tube machinery | 661 | tions | 591 |
| transformers, intermediate | | tubes, photo multiplier | 577 | vacuum tube parts, anode | | waveguides, isolators | 591 |
| frequency | 561 | tubes, standard types, gla | SS | vacuum tube parts, enve- | 0 0 0 0 | waveguides, multipliers | 591 |
| transformers, isolation | 561 | & metal | 573 | lopes, glass | 695 | waveguides, phase shifters | 591 |
| transformers, low frequen | 561 | tubes, traveling wave | 581 | vacuum tube parts, enve- | | waveguides, probes | 591 |
| transformers, microwave transformers, power | 561 | tubes, TV picture—color | | lopes, metal | 695 | waveguides, rigid | 591 |
| transformers, precision | 701 | tubes, TV picture-mono | | vacuum tube parts, getter | s 695 | waveguides, rotary joints | 591 |
| matched | 561 | chrome | 573 | vacuum tube parts, grids | | waveguides, sampling lines | 591 |
| transformers, precision vo | _ | tubes, thyratrons | 577 | grid wires | 695 | reflectors | |
| tage dividing | 561 | tubes, voltage regulators | er testen | vacuum tube parts, guns | | waveguides, switches | 591 591 |
| transformers, pulse | 561 | & ballasts | 577 | gun parts | 695 | waveguides, terminations | 391 |
| transformers, radio fre- | | tubes, water-cooled power | | vacuum tube parts, lead | | waveguides, transmission | 591 |
| quency | 561 | tubes, x-ray | 577 | wires | 695 | lines waveguides, unfinished cas | |
| transformers, saturable | 561 | tubing, metal | 635 | vacuum tube parts, phos- | 605 | , | 591 |
| transformers, toroidal | 561 | tuners, AM | 585 | phors | 695 | welders & brazers | 661 |
| transformers, TV deflection | | tuners, FM | 585 585 | vacuum tube parts, pins | 695 | | 603 |
| transformers, TV impedat | | tuners, klystron | 585 | prongs vacuum tube parts, shaft | 07) | wire strippers | 661 |
| matching | 561 | tuners, microwave | 585 | | 695 | wood cabinets | 598 |
| transformers, ultrasonic | 561 | tuners, TV | 505 | IUCKS | 323 | | |
| | | | | | | | |

| | 20 TV broadcast—B & W 25 TV broadcast—Color 30 TV closed circuit | 88 Vacuum tube voltmeters 90 Vibration analyzers |
|---|--|--|
| I. Complete Equipment Communication— | 35 □ UHF—VHF | 13 Geophysical Apparatus. |
| Computation— Instrumentation— Test | 07 Broadcast Transmitters. Page 281 05 □ AM broadcast | Page 311 05 |
| Page 265 | 10 FM broadcast 12 Fixed frequency 15 Relay broadcast & STL equip. 20 TV broadcast | 20 Recording galvanometers |
| 01 Aircraft & Airport Equip. Communication & Navigation | 25 TV closed circuit 35 UHF—VHF | 14 Graphic Recorders. Page 312 03 |
| Page 266 05 Airborne receivers 10 Airborne transmitters | 08 Carrier Current Equip. | 10 ☐ Ink writing 15 ☐ Inkless types 20 ☐ Fixed speed types |
| 15 ☐ Airport receivers 20 ☐ Airport transmitters 25 ☐ Computers, Air Navigation 30 ☐ GCA types | Page 282 05 | 25 □ Variable speed types 15 Infrared Equipment. |
| 35 O VOR types | 00 Computous & Country | Page 313 |
| 02 Amateur Equipment. Page 267 □ Receiving equipment □ Transmitters | 09 Computers & Counters. Page 283 05 | 10 Black body sources 15 Detectors 20 Optical transmitting materials 25 Optical filters 30 Power supplies 35 Pyrometers 40 Radiometers |
| 03 Audio Frequency Test Equipment. | 25 ☐ Counters, pre-set 30 ☐ Data reduction equipment 32 ☐ Digital to analog converters | 16 Marine Equipment. |
| Page 269 03 | 35 Electronic calculators 40 Memory & storage devices 45 Packaged circuits 50 Printers 55 Tape to card converter 60 Tape recording & play back equipment | Page 316 05 |
| 30 Spectrum analyzers 35 Square wave generators | | 17 Medical Equipment. |
| 40 Telegraph test 45 Voltmeters-audio frequency | 10 Emergency Communications Equipment. Page 289 | Page 317 05 |
| 04 Automatic Control Equipment. | 05 ☐ Despatching equipment 10 ☐ Walkie-talkies | 20 |
| Page 271 05 Burglar-alarm & protective | 11 11 11 11 11 11 | 18 Microwave Communications |
| systems Combustion & smoke-nuisance controls Electronic remote controls Fluid flow Gyroscopes | 11 Facsimile Equipment. Page 291 05 Receiving equipment 10 Sensitized paper 15 Transmitting equipment | Page 317 05 □ Receivers 10 □ Relay equip. 15 □ Transmitters |
| 18 ☐ Liquid level 20 ☐ Photo electric 25 ☐ Positioning equipment | | 19 Microwave Test Equipment. Page 319 |
| 27 Pressure 30 Production controls, counting & sorting equipment 35 Servo type 40 Temperature, electronic 45 Timing 50 Vacuum controls 55 Variable speed controls | 12 General Test Equipment. Page 291 05 | 05 |
| 05 Bridges & Decades. Page 276 | 35 | 40 ☐ Time delay generators 45 ☐ Wavemeters |
| 05 ☐ Bridges, capacitance 10 ☐ Bridges, impedance 15 ☐ Bridges, inductance 20 ☐ Bridges, resistance 25 ☐ Decades, capacitance 30 ☐ Decades, impedance 35 ☐ Decades, inductance 40 ☐ Decades, resistance | Mass spectrometer | 20 Mobile Equipment. Page 325 Central station receivers Central station transmitters Citizen radio Mobile receivers Mobile transmitters Selective calling equipment |
| 06 Broadcast Receivers. Page 279 | 78 Stroboscopes 80 Transistor testere | 21 Manitan Farrianna |
| 05 AM broadcast 10 AM shortwave 15 FM broadcast | 82 Ultrasonic generators 84 Ultrasonic testers 85 Vacuum gages 86 Vacuum tube testers | 21 Monitor Equipment. Page 325 □ Frequency 10 □ Modulation |

05 ☐ Frequency 10 ☐ Modulation

| 15 Remote control monitors 20 Video monitors | 30 Sound Systems. Page 353 Inter-com's Public address | 85 Strain gage 88 TV amplifiers 90 TV boosters 92 Transistor |
|--|---|---|
| 22 Nuclear Equipment. Page 326 | To a Tubic address | 94 Ultrasonic 95 Vibration pick-up 96 Wideband |
| 05 | 31 Standards of Frequency & Time. Page 353 05 Elapsed time measuring equip. 10 Primary standards of frequency 15 Primary standards of time 20 Scoondary standards of frequency 25 Secondary standards of time 30 Tuning forks | 37 Antennas & Accessories. Page 377 05 |
| 23 Oscilloscopes—Cathode-Ray | | 17 Automobile 20 Dummy 22 FM broadcast transmitting |
| Page 329 05 ☐ General purpose 10 ☐ Oscilloscope cameras 15 ☐ Oscillosynchroscopes 20 ☐ Recording oscillographs 25 ☐ Special UHF & pulse analysis equipment 30 ☐ Time & voltage-calibrators | 32 Studio Equipment. Page 356 05 | 23 Ferrite rod 24 Fixed station antenna system 25 Ground plane 26 Marine 30 Microwave 35 Mobile 40 Radar reflectors 45 Rotators 50 Supporting towers 55 TV broadcast transmitting 60 TV multiple systems |
| 24 Point to Point Equipment. Page 332 | 33 Telegraph & Teleprinter | 63 TV receiver 65 Tower erection & maintenance service |
| 05 ☐ Receivers 10 ☐ Transmitters | Equipment. Page 358 | 70 ☐ Tower lighting equipment 75 ☐ UHF-VHF |
| 25 Radar Equipment. Page 333 | 05 ☐ Frequency shift converters 10 ☐ Frequency shift keyers 15 ☐ Receivers 20 ☐ Transmitters | 38 Attenuators. |
| 05 Airborne 10 Ground based 15 Marine | | Page 387 02 □ IF 04 □ RF |
| 26 Radio Frequency Test Equipment. Page 335 Field strength meters | 34 Telemetering Equipment. Page 359 05 Data recorders 10 Data storage mechanisms 15 FM/FM modulators 20 Receivers 25 Transmitters | 05 Decade 10 Impedance matching 15 Microwave 18 Fixed microwave step 20 Volume controlling |
| 10 ☐ Impedance & admittance meters 15 ☐ Marker generators 20 ☐ Multi-vibrators | | 39. Batteries. Page 391 |
| 25 | 35 Television Test Equipment. Page 363 05 Synchronizing generators 10 TV calibrators 15 TV marker generators 20 TV signal generators 25 TV sweep generators 30 UHF-VHF generators | 05 Dry batteries 10 Mercury batteries 15 Storage batteries—lead-acid 18 Storage batteries—nickel-cadmium 20 Storage batteries—nickel-alkali 25 Storage batteries—silver-zinc 30 Solar batteries |
| 27 Recording Equipment. | | 40 Blowers & Cooling Fans. Page 395 |
| Page 343 03 □ Dictation equipment 05 □ Disk recorders 10 □ Embossing types of recorders 15 □ Magnetic tape recorders 20 □ Magnetic wire recorders | H. Components Page 367 | 05 Air wheels & housings 10 Complete blower assemblies 15 Fan blades |
| 25 Video tape | 36 Amplifiers. | 41 Capacitors: Fixed. Page 397 |
| 28 Servo-Mechanisms. Page 345 03 | Page 367 05 □ DC amplifiers 07 □ Audio 10 □ Decade 12 □ Differential 15 □ Dynamic noise suppressors 25 □ Hearing aid 30 □ High fidelity 35 □ IF amplifiers 42 □ Linear 45 □ Magnetic 50 □ Microwave 52 □ Null 54 □ Peak limiting 55 □ Photocell | 05 |
| 29 Single Sideband. Page 351 | 60 ☐ Power 62 ☐ Printed circuit 67 ☐ Pulse | 80 ☐ Printed circuit 85 ☐ Pulse forming networks 90 ☐ Silvered mica |
| 05 Receivers 10 Transmitters | 70 ☐ RF amplifiers 80 ☐ Servo | 95 Tantalum 98 Vacuum |

| 42 Capacitors: Variable. Page 407 | 15 Distributed constant variable 20 Lumped constant fixed 22 Lumped constant variable | 40 Timers, automatic reset 45 Timers, elapsed 50 Voltmeters 55 Volume level, (DB & VU) |
|--|--|--|
| 05 Neutralizing 10 Precision variable 15 Temperature compensating 20 Trimmers, air | 25 Ultrasonie | 55 Volume level, (DB & VU) 60 Wattmeters & watt hour meters |
| 25 Trimmers, ceramic 30 Trimmers, glass 35 Trimmers, vacuum | 49 Equalizers. Page 447 | 57 Microphones & Stands. |
| 40 Tuning | 05 Dialogue 10 Line 15 Magnetic recording | Page 475 |
| 43 Coils. | 20 Recording diameter 25 Sound effect | 05 ☐ Carbon 10 ☐ Ceramic 15 ☐ Condenser |
| Page 408 05 Audio frequency chokes | | 20 |
| 10 ☐ Deflection yokes 15 ☐ Filter 20 ☐ Flyback | 50 Filters. Page 448 | 32 Magnetic 35 Microphone stands |
| 25 Focusing coils 26 IF chokes 28 Magnet | 05 ☐ Antenna 10 ☐ Band pass & band rejection | |
| 30 Power chokes 35 RF chokes 36 Relay | 12 | 58 Motors & Synchros. Page 477 |
| 40 Toroids | 15 High pass 20 Loudspeaker dividing networks 22 Low pass 25 Mechanical | 05 🗆 Blower & fan 07 🗆 Clock radio |
| 45 Tuning | 30 ☐ Microwave | 10 Dynamotors 12 Fractional HP 15 Frequency changers |
| 44 Connectors. | 37 SSB 45 UHF & VHF | 15 Frequency changers 20 Motor-generators 25 Phonograph 30 Servo |
| Page 419 05 AN & MIL standard types | TID OF WHILE | 30 Servo 32 Speed regulating 34 Synchros |
| 07 ☐ Anode 10 ☐ Co-axial 15 ☐ Hermetically sealed | 51 Fuses & Fuse Holders. Page 459 | 35 Synchronous motors 40 Timing |
| 17 ☐ Interlock 20 ☐ Microphone 25 ☐ Multiple circuit connectors | 05 Gruses 10 Fuse holders | TO THE LEGISLAND |
| 25 Multiple circuit connectors 28 Phono 30 Power 32 Printed circuit | 50 Hammatic Socia | 59 Phonographs, Pick-ups, Record Changers, etc. |
| 34 PF type | 52 Hermetic Seals Page 461 05 | Page 481 05 ☐ Pick-ups—crystal 10 ☐ Pick-ups—dynamic |
| 35 Slip rings 37 Commutating connectors 40 Sub-miniature 45 Waterproof | 10 Complete headers 15 Glass to metal 20 Switch & shaft | 15 Pick-ups—magnetic 20 Pick-ups—reluctance 25 Playback arms |
| | 20 Switch & shart | 30 Record changers 35 Record players 40 Styli—diamond |
| 45 Converters. Page 427 | 53 Jacks, Jack Fields & Plugs. Page 463 | 40 Styli—natallic 50 Styli—sapphire 55 Tape phonographs & playback equipment |
| 05 AC to DC 10 DC to AC | 05 | 55 Tape phonographs & playback equipment |
| 12 ☐ Choppers 15 ☐ Inverters 20 ☐ Rotary | 20 ☐ Plugs 25 ☐ Test clips | |
| 25 Vibrators 27 Vibrators, crystal 28 Vibrators, semi-conductor | 30 Test jacks 35 Test leads | 60 Pilot Lights & Assemblies. Page 483 |
| 30 Voltage | 54 Loudspeakers. | 05 Brackets, jewels, mounts 10 Incandescent lights 15 Neon lights |
| 46 Cores & Core Materials. | Page 467 05 Commercial grade loudspeakers | 13 2 11002 115213 |
| Page 431 05 Ceramic | 07 ☐ Cones 10 ☐ Headphones 15 ☐ High-frequency | 61 Power Supplies. |
| 10 ☐ Ferrite 15 ☐ Laminations 17 ☐ Magnetic | 20 Low-frequency 25 Wide-range, 2 & 3 way systems | Page 487 02 ☐ AC type 04 ☐ DC type |
| 20 ☐ Metallic powders 25 ☐ Powdered metal 30 ☐ Tape wound | 55 Manuata | 05 High voltage, (kilovolt) 15 Low voltage 17 Magnetic |
| 35 Toroid | 55 Magnets. Page 467 05 □ Electro | 20 Medium voltage 25 Microwave |
| 47 C | 10 Permanent | 30 Primary power sources, fuel, engine driven 35 Transistor |
| 47 Crystals & Accessories. Page 437 05 □ Crystal holders | 56 Meters (Indicating | 37 ☐ Variable 40 ☐ Voltage regulated power sources |
| 10 Crystal ovens 15 Geranium | Instruments). Page 470 | |
| 20 ☐ Quartz 30 ☐ Raw quartz 35 ☐ Silicon | 05 ☐ Ammeters 10 ☐ Clock radio 15 ☐ Frequency indicating | 62 Printed & Packaged Circuits. Page 503 |
| | 20 Galvanometers 23 Liquid level indicators 25 Micro-ammeters | 03 Etched or screened prewired chassis 05 Modules |
| 48 Delay Lines. | 30 ☐ Milli-ammeters 32 ☐ Positioning indicators | 07 Plug-in 08 Potted type 10 Printed electronic assemblies |
| Page 443 05 □ Decade 10 □ Distributed constant fixed | 33 Strain indicators 34 Temperature indicators 35 Timers, automatic cycle | 15 Solder dipped prewired chassis PC production, See: #92 |

| 63 Recording Accessories. Page 509 Cutting heads Cutting styli | 17 Pilot light 18 Printed circuit 20 Receiving tube 25 Transistor 30 Transmitting tube 35 UL approved industrial types | 15 ☐ Photo multiplier 25 ☐ Thyratrons 30 ☐ Voltage regulators & ballasts 35 ☐ X-Ray |
|---|--|--|
| 17 Demagnetizer 20 Magnetic recording, playback & erase heads | | 76 Tubes, Transmitting. Page 581 |
| 25 Magnetic recording tape-acetate base 30 Magnetic recording tape-paper | 70 Switches & Contacts. Page 551 Discrepance Switches & Contacts. | 05 ☐ ATR & TR types 10 ☐ Air-cooled power tubes |
| base 35 Magnetic recording wire 50 Tape splicing equipment | | 15 |
| 64 Rectifiers. Page 511 | 19 ☐ Ferrite 20 ☐ Foot 25 ☐ Key | 40 ☐ Traveling wave 45 ☐ Water-cooled power tubes |
| 05 ☐ Copper oxide 07 ☐ Copper sulfide 10 ☐ Germanium | 27 Limit 30 Mercury 35 Momentary contact | 77 Tuners. Page 585 |
| 15 ☐ Selenium diodes 20 ☐ Selenium stacks 25 ☐ Silicon | 40 Power 45 Precision snap-acting 50 Rotary 55 Slide 60 Solenoids | 05 AM tuners 10 FM tuners 15 Klystron 20 Microwave 25 TV tuners |
| 65 Rectifiers, Vacuum Tube. Page 513 | 65 ☐ Spring-return 70 ☐ Tap 75 ☐ Thermally operated 77 ☐ Time | 30 □ UHF & VHF |
| 05 Grid controlled 10 Mercury vapor 15 Receiving | 80 Toggle & push button | 78 Vibration Controls. Page 589 |
| 20 Transmitting | 71 Thermostats. Page 558 | 05 ☐ Vibration & shock mounts 10 ☐ Isolation pads |
| 66 Relays. Page 515 Co-axial | 05 ☐ Bellows 10 ☐ Bimetal 15 ☐ Hermetically sealed | 79 Voltage Regulators. Page 589 |
| 10 D'Arsonval 15 Differential 20 Frequency selective 25 Hermetically sealed | 72 Transducers. | 05 Automatic 10 Manually operated 15 Varistors |
| 30 ☐ Impulse 35 ☐ Keying 40 ☐ Latching 45 ☐ Mercury contact 50 ☐ Polarized | Page 559 05 | 80 Waveguides & Accessories. Page 591 |
| 55 Power control & overload 57 Rotary 60 Sensitive 65 Stepping | 73 Transformers. Page 561 | 03 |
| 70 Sub-miniature 75 Telephone 80 Time delay | 05 Audio 10 Current limiting 15 400 cps 25 Hermetically sealed | 25 ☐ Duplexers 30 ☐ Flexible waveguides |
| 67 Resistors. | 27 ☐ High voltage 35 ☐ Intermediate frequency 40 ☐ Isolation | 35 Horns 40 Hybrid junctions 43 Isolators 45 Multipliers 47 Phase shifters |
| Page 527 05 | 42 ☐ Low frequency 43 ☐ Microwave 45 ☐ Power 50 ☐ Precision matched | 50 ☐ Probes 55 ☐ Rigid waveguides 60 ☐ Rotary joints 65 ☐ Sampling lines, reflectors, etc. |
| 20 Potentiometers 22 Potentiometers, precision 25 Precision film 30 Printed circuit 35 Rheostats | 52 ☐ Precision voltage dividing 55 ☐ Pulse 60 ☐ Radio frequency 65 ☐ Saturable 70 ☐ TV deflection | 70 Switches 75 Terminations 80 Transmission lines 82 Unfinished castings |
| 40 Thermistors 45 Vacuum sealed 50 Very high megohm | 75 TV impedance matching 80 Toroidal 85 Ultrasonic | |
| 55 Wirewound, fixed 60 Wirewound, variable 65 Wirewound, precision | 87 ☐ Vibrator 90 ☐ Variable 95 ☐ Voltage regulating | III. Faricators, Machinery Materials & Services |
| 68 Semi-Conductors. | Transistors, See: 68 74 Tubes, Receiving. | Page 579 |
| Page 541 05 Germanium diodes 07 Silicon diodes 10 Transistors, junction 15 Transistors, point contact 20 Transistors, alloy junction | Page 573 05 | 81 Cabinets, Consoles, Boxes Enclosures & Panels. |
| 25 Transistors, alloy junction 25 Transistors, diffused base 30 Transistors, surface barrier | 15 Standard types, glass & metal 20 Sub-miniature 25 TV Picture-color 30 TV Picture-monochrome | Page 598 05 |
| 69 Sockets. Page 547 | 75 Tubes, Special Purpose. | 11 ☐ Instrument & meter cases 12 ☐ Metal cabinets 15 ☐ Metal relay rack panels |
| 05 ☐ Capacitor, plug-in sockets 10 ☐ Crystal 15 ☐ Diode | Page 577 05 ☐ Electrometer tubes 10 ☐ Geiger-Mueller | 20 Molded plastic cabinets 22 Transit cases 25 Wood cabinets |

| 82 Cable & Wire. Page 603 03 | 57 Screws, nuts & washers 58 Screws, self sealing 60 Springs 63 Strain reliefs 64 Switch seals 70 Tubing, metal 88 Heating Equipment. Page 649 05 Brazing, soldering & welding 10 Di-electric heating 12 Electric heaters & elements 15 Induction heating 20 Ovens | 94 Molded Products. Page 681 O5 |
|--|--|--|
| Shielded Synthetic insulated O Synthetic insulated Wire mesh Woven wire braid Sacramics. Page 616 Coil forms O Custom fabrication Insulators Insulators Image: Shielded Shiel | 89 Insulating Materials. Page 651 05 | 25 Tubes 96 Shielding Materials. |
| 84 Chassis, Racks & Slides. Page 621 05 | 90 Laboratories & Custom Builders. Page 654 05 Individual item builders 10 Pilot run plants 15 Research & development labs 17 Subminiaturization service 20 Testing & certifying organizations | 98 Terminals. Page 691 Terminal blocks & strips Terminals, rivet or stud Terminals, wire end |
| 85 Consulting Engineers. Page 624 OS | 91 Lacquers, Paints, & Chemicals. Page 659 03 | 99 Vacuum Tube Parts. Page 695 Anodes |
| 87 Hardware & Findings. Page 635 3 | tools 25 | 05 |

MEMBERSHIP ROSTER

The following list gives, in alphabetical order, the names of all members except those of student grade, as of May 31, 1959

Α

AAGAARD, JAMES S. (S'4B-A'53-M'57), Asst. Prof., Elec. Engrg., Northwestern Univ., Technological Institute, Evanston, III. Evanston, III.

AALAND, KRIS (S'53-M'56), Elec. Engr., Univ. of Calfornia Radiation Lab., Livermore, Calif.

AALTONEN, TIM K. (S'49-A'53), Design & Project Engr., Panoramic Radio Prod., Inc., 10 S. 2nd Ave., Mt. Vernon, N. V. N.Y.

AARON, BERTRAM D. (S'40-A'45-M'48-SM'54), Engro.
Sales Consultant, Bomac Labs., Inc., Beverly, Mass.

AARON, M. ROBERT (S'49-A'52-M'57), Mem. Tech.
Staff, Bell Tel. Labs., Murray Hill, N.J.

AARONS, JULES (S'44-A'51-M'58), Physicist, Propagation
Lab., Cambridge Research Center, Hanscom Field, Bedford,
Mass. Mass. ARR ONSON, DAVID A. (\$'46-A'53), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. ARRONSON, GERALD G'5'56-M'5'91, Mem. Tech. Staff, RCA Surface Communications Systems Lab., 75 Varick St., New York 13, N.Y. AAS, EUGENE A. (A'47-SM'55), Staff Mem., Sandia Corp., Livermore, Calif.

AAS, HERBERT G. (S'50-A'51-M'56), Elec. Engr., Research Dept., United Aircraft, 400 Main St., East Hartford, Conn. Conn.

ASEN, CURTIS 1. (S'50-A'51-M'58), Electronics Engr.,
Hgrs. USMC, Washington 25, D.C.

ASEN, MARVIN D. (M'56), Dev. Engr., Westinghouse Elec.
Corp., Friendship Internati. Airport, Baitimore 3, Md.

ASGAARD, PER U. (M'54), Quality Control Supt., Canadian
Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q.,
Canada. Canada.
AASTERUD, JON P. (S'57-M'59), Electronics Engr.,
Motorola, Inc., 4501 W. Augusta Bivd., Chicago 51, III.
ABADERASH, TESSEMA K. W. (S'56-A'57), Instr., Elec.
Engro., Imperial Ethiopian Air Force, Box 1636, Addis
Ababa, Ethiopia. Ababa, Ethiopia.

ABAJIAN, HENRY B. 0M'46), Pres., Westbury Electronics, inc., 300 Shames Dr., Westbury, L.I., N.Y.

ABASCAL, MESTOR 0M'47), Engr., Servomechanisms, inc., 1000 W. El Segundo Blvd., Hawthorne, Callf.

ABATE, ANTHONY 0M'45), Plant Mgr., Melpar, inc., 11 Galen St., Watertown 72, Mass.

ABATE, JOHN E. (M'56), Project Engr., Astronautics, Kearfott Co., Main St., Clifton, N.J.

ABBASI, ASLAM (S'57, A'58), 225-B N. 34 St., Millwaukee 8, Wis. ABBASI, ASLAM (S'57-A'58), 225-B N. 34 St., MII-waukee 8, Wis.

ABBASI, ASLAM (S'57-A'58), 225-B N. 34 St., MII-waukee 8, Wis.

ABBE, RYUKEN (A'54), Radip Engr., Toyo Com. Equipment Co., Ltd., 3-484 Tsukagoshi, Kawasaki, Japan.

ABBEN, ASLAM (S'54), Radip Engr., Toyo Com. Equipment Go., Ltd., 3-484 Tsukagoshi, Kawasaki, Japan.

ABBEN, CHARLES R. (S'54-M'5B), Project Engr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif.

ABBEY, CHARLES W. (S'59-M'59), Lt., USAF, Air Force institute of Technology, Wight-Patterson AFB, Ohio.

ABBEY, KIRK (A'46-M'55-SM'56), Research Group Engr. Convair, San Diego 12, Calif.

ABBOT, San Diego 12, Calif.

ABBOT, EDWARD A. (A'57-SM'58), Chief Engr., Ferrotran Electronics Co., Inc., 693 Broadway, New York 12, N. Y.

ABBOT, CLAUDE C. (M'56), Sr. Engr., Test Instrumentation, Lockheed Missile & Space Div., Palo Alto, Calif.

ABBOTT, GEORGE F., JR. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

ABBOTT, HENRY H. (SM'57), Special Systems Dev. Engr., Bell Tel. Labs., Murray Hill, N.J.

ABBOTT, JAMES D. (M'59), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

ABBOTT, JOHN R. (S'55-M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif.

ABBOTT, RICHARD B. (A'5B), Sales Mor., Western Gear Corp., 132 W. Colorado, Pasadena 1, Calif.

ABBOTT, MILTON R. (M'45-SM'46), Mgr. XA System Integration, Lockheed Missiles & Space Div., Palo Alto, Calif.

ABBOUD, FINDA L. (S'50-A'52), Sr. Engr., Sylvania Home Electronics Div., Batavia, N.Y.

ABD-EL-AZIZ, MOHAMED EZZAT (M'59), Lecturer, Faculty of Engr., Ain-Shams Univ., Caliro, Abbasiah, Egypt. ABBOUD, FUAD L. (S'50-A'52), Sr. Engr., Sylvania Home Electronics Div., Batavia, N.Y.

ABD-EL-AZIZ, MOHAMED EZZAT (M'59), Lecturer, Faculty of Engrg., Ain-Shams Univ., Cairo, Abbasiah, Egypt.

ABDUNEN-ABI, ZAKI (S'50-A'52-M'57), Elec., Engr., Epsco, Inc., 5B8 Commonwealth Ave., Boston, Mass.

ABEL, ADAM E. (A'41-SM'45), Geni. Mgr., Bendix Radio Div., E. Joppa Rd., Baltimore 4, Md.

ABEL, ALAN O. (A'55-M'56), Sales Engr., Geni. Radio Co., 1000 N. Seward St., Los Angeles 3B, Cailf.

ABEL, CHARLES F. (A'44), Chief Engr., Marietta Broadcasting inc., 1405 S Ave., San Diego 1, Cailf.

ABEL, FRED (S'50-A'52-M'57), Prolect Engr., Andrew Alford Consulting Engrs., 299 Atlantic Ave., Boston, Mass.

ABEL, PAUL F. (S'55-M'59), Test Engr., Westinghouse Elec. Corp., Box 1797, Baltimore 3, Md.

ABEL, ROBERT L. (M'56), Chief, Radio & Communications Engry. Sect., American Trucking Associations, inc., 1424 16 St., N.W., Washington 6, D.C.

ABEL, WILLIAM G. (A'55-M'56), Staff Mem., MIT Lincoin Lab., Lexington 73, Mass.

ABEL-HARRY, CLIFFORD B. (A'47-M'55), Ultrasonics Engr., Kelvin & Hughes (Industrial), Ltd., Empire Way, Wembley, Middle., England.

ABELL, CHARLES S., III (S'156-M'57), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

ABELL, GURDON R. (A'47-M'55), Sr. Electronics Scientist, Avco Research Lab., Revere Beach Pkwy., Everett, Mass. ABEND, RRVINGJ. 0M'45), Project Engr., Hammarlund Mfo. Co., 460 W. 34 St., New York J. N.V.
ABEND, KENNETH (S'56-M'59), Elec. Engr., Philico Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
ABERCROMBIE, GEORGE D. (A'52), Instr., Co. I, U.S. Army Signal Corps School, Ft. Mommouth, N.J.
ABERCROMBIE, STANLEY D. (SM'59), Laader, Project Engr., United Kingdom Atomic Energy Authority, Aldermaston, Berks., England. ABERRER, JOSEPH C. (A'48-M'55), Elec. Engr., Garden City Engrap Co., 17:14 S. Halsted St., Chicago 8, III.

ABERRATHY, JAMES L. (S'56-M'57), Research & Dev. Engr., Sperry Electronic Tube Div., Galnesville, Fla.

ABERNATHY, OSCAR R., JR. (S'50-M'51), Engr., Trunk Studies, Genl. Telephone Co. of California, 2020 Santa Monica Blod, Santa Monica, Calif.

ABERNATHY, THOMAS C. (A'49-M'57), Transmitting Plant Supvr., WSUN & WSUN-TV, St. Petersburg, Fla.

ABERNETHY, HUGH, III (S'56-M'58), Engr., Leeds & Northrup, 4901 Stenton Ave., Philadelphia 44, Pa.

ABERTH, OLIVER (A'56), Elec. Engr., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia 29, Pa.

ABESON, IRVING S. (A'55), Mem. Tech. Staff, Hughes Aircraft Co., Box 90426, Airport Sta., Los Angeles 45, Calif. ABEYTA, GREG A. 0M/54), Fleld Test Coordinator, Staff Assoc., Sandla Corp., Sandla Base, Albuquerque, N.M. ABEYTA, ISAAC (A/51-M/57), Electronics Engr., RCA, Camden, N.J. Camden, N.J.

ABEYTA, JOSEPH P., JR. (M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

ABFALTER, HUBERT F. (S'35-A'39-SM'54), Chief Engr., WTVP, Decatur Prairie Television Co., Shellabarger Knoil, Decatur, III. Decatur, III.

ABILOCK, SOLOMON (A'49-M'55), Asst. Chief Engr., Pilot Radio Corp., 37-06 36 St., Long Island City, N.Y.

ABJANICH, GEORGE S. (S'47-A'49-M'51), Asst. Project Engr., Fairchild Astronics Div., Wyandanch, L.I., N.Y.

ABKEMEIER, LUKE R. (S'55-M'57), Computer Engr., McDonnell Aircraft Corp., Municipal Airport, St. Louis 3, Mo. Mo.

ABLIN, HENRY L. (S'52-A'54-M'59), Instr., Elec. Engrg. Dept., Iowa State College, Ames, Iowa.

ABLON, LEON J. (M'59), Asst., Dev. Engr., Consolidated Electrodynamics Corp., Rochester 3, N.Y.

ABOUSREZK, WILLIAM (A'55), Project Engr., Acoustica Associates, Inc., 26 Windsor Ave., Mineola, L.I., N.Y.

ABOUSREZMAN, WILLIAM C. M'42-SM'43), Chief, Radio Facilities & Operations, Lockheed Missiles & Space Div., Jaegels Rd., Sunnyvale, Calif.

ABOUSLERAN, WILLIAM C. M'55), Tech. Policy Planning Dept. & Research Liaison, IBM, Endicott, N.Y.

ABRAHAM, GEORGE (S'41-A'42-M'45-SM'59), Solid State Physicist, U.S. Naval Research Lab.; Lecturer, Elec. Engre., George Washington Univ.; Consulting Engr., Washington, D.C. Engre, , George Washington Univ.; Consulting Engr., Washington, D.C.

ABRAHAM, IRVING (A'54), Electronics Technician, FAA, Federal Bidg., Idlewild Aliport, L.I., N.Y.

ABRAHAM, JOSEPH (S'50-A'51-M'56), Project Engr., Hallicrafters, Inc., 4401 W. 5 Ave., Chicago 24, III.

ABRAHAM, JEONARD G. (SM'46-F'57), Dir., Transmission Engre, Bell Tel. Labs., Murray HIII, N.J.

ABRAHAM, LEONARD G., JR. (S'49-A'54), Research Assoc., GE Co., Schenectady, N.Y.

ABRAHAM, RICHARD P. (S'50-A'52-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray HIII, N.J.

ABRAHAM, WAYNE G. (A'44-SM'55), Sr. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

ABRAHAMS, IRWIN C. (S'40-A'41-M'47-SM'51), Unit Mor., Defense Systems Dept., GE Co., Syracuse, N.Y.

ABRAHAMS, ROBERT P. (M'58-SM'58), 5 Walnut Ave., ABRAHAMS, IRWIN C. (S'40-A'41-M'47-SM'51), Unit Morr. Defense Systems Deot., GE Co., Syracuse, N.Y. ABRAHAMS, ROBERT P. 0M'58-SM'58), 5 Walnut Ave., Pompton Plains, N.J. ABRAHAMS, SAMUEL (S'50-A'52-M'56), Principal Design Engr., Republic Aviation Corp., Applied Research & Dev., Farminodale, L.I., N.Y. ABRAHAMSEN, ANKER (A'52), Engr., CBS-TV, 485 Madlson Ave., New York, N.Y. ABRAHAMSEN, FREDERICK H. (S'51-A'52-M'57), Dev. Engr., Raytheon Mfg. Co., Waltham, Mass. ABRAHAMSON, GERALD D. (S'57-M'59), Jr. Engr., AC Spark Plug, 7929 S. Howell Ave., Oak Creek, Wis. ABRAMUS, DOY (S'41-A'45-M'48), Supvr., Computer Labs., Corvair, Pomona, Calif. ABRAMOSICH. MELVIN N. (S'36-A'46-M'47-SM'50), Deputy ABRAMOSICH. MELVIN N. (S'36-A'46-M'47-SM'50), Deputy CONVAIR, POMONIA, CAIII.

ABRAMOVICH, MELVIN N. (\$'36-A'46-M'47-SM'50), Deputy Chief, Washinoton Regional Office, Air Research & Development Command, USAF, Munitions Bidg., Washington 25, D.C.

ABRAMS, CHARLES F. (\$'51-A'53-M'58), Sr. Engr.,
Sperry Gyroscope Co., Great Neck, L.I., N.Y.

ABRAMS, HARDIN T. (A'45), Lab. Asst., Collins Radio Co.,
Cedar Rapids, Jowa. Cedar Rapids, Iowa.

ABRAMS, HERMAN B. (S'48-A'49-M'55), Field Engr.,
Gulton Industries, Inc., 212 Durham Ave., Metuchen, N.J.

ABRAMS, HOWARD M (S'57-M'59), Engr., Airborne Instrument Lab., Mincola, L. I., N.Y.

ABRAMS, IRVING (A'51-M'56), Chief Engr., Premier Instrument Corp., 33 New Broad St., Portchester, N.Y.

ABRAMS, JOSEPH J. (M'56), Quality Assurance Engr.,

Asst. Chief Equipment Coordination Branch, Army Signal

Supply Agency, 225 S. 1B St., Philadelphia 3, Pa.

ABRAMS, STEPHEN J. (S'52-A'54), Lab. Supvr., Columbia Univ., Electronics Research Labs., 632 W. 125 St., New York 27, N.Y.

ABRAMS, SUMNER M. (S'56-M'5B), Elec. Engr., Datamatic Div., Minneapolls-Honeywell Regulator Co., 151 Needham St., Newton 61, Mass. St., Newton 61, Mas-M:58), Project Engr., Northern Radio Co., Inc. 147 W. 22 St., New York 11, N.Y.

ABRAMSON, JOE (A'53-M'58), Project Engr., Northern Radio Co., Inc. 147 W. 22 St., New York 11, N.Y.

ABRAMSON, NORMAN M. (S'55-M'59), Asst. Prof., Elec. Engre, Dept., Stanford Univ., Stanford, Calif.

ABRATH, CHARLES E. (A'55), Customer Service Engr., IBM, 7321 Lake St., River Forest, III.

ABREMSKI, MICHAEL C. (A'56), Technician, Tampa Tribune Co., WFLA-AM-FM & TV Branch. Tampa. Fla.

ABREVAY, EDDY (S'56-M'57), Service Technician, Heiland Div., Minneapolis-Honeywell Regulator Co., 24-30 Skillman Ave., Long Island City, N.Y.

ABROMAVAGE, MARTIN M. (M'59), Elec. Engr., Jansky & Bailey, Inc., 1339 Wisconsin Ave., N.W., Washington 7, D.C. D.C.

ABRUZZI, PASCHAL W. (\$154-M155), Asst. Dev. Engr.,
Otls Elevator Co., 35 Ryerson St., Brooklyn, N.Y.

ABSATZ, SEYMOUR I. (\$155-M156), Sr. Deslyn Engr., Ford
instrument Co., 30-10 41 Ave., Long Island City 1, N.Y.

ABSHER, GUYNN E. (M154), Supt., Electronic Test, Bendix
Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
ABSHIER, DORCEY G. (M156), Lead Dev. Engr., ChanceVought Aircraft, Inc., Dallas, Tex.

ABSOLOM, RALPH H. (A155), Lialson Engr., Computer
Maint. & Operation, Bell Helicopter Corp., 4154 Willman,
Ft. Worth 1, Tex. Ft. Worth 1, Tex.

ABSTEIN, HENRY T., JR. (S'50-A'51-M'57), Mem. Tech. Staff, Supervision, Hughes Aircraft Co., Culver City, Calif. ABU-KANDEEL, ALY A. (M'53), Project Mgr., United Araba Republic Broadcasting, 4 Sherifein St., Cairo, Egypt. ABURAND, PAUL F. (S'4B-A'94-M'55), Engrg. Design, Electronic, Boeing Airplane Co., Seattle, Wash. ABU-ZEID, MAHMOUD M. (A'52-M'57), Faculty of Engrg., Cairo Univ., Cairo, Giza, Egypt.

ABZUG, MALCOLM J. (M'58), Super., Stability & Control, Douglas Aircraft Co., Inc., 827 Lapham St., El Segundo, Calif. Caiff.

ACCARDO, NUNCIE A. (A'49-M'55), Sr. Elec. Engr., Allen
B. DuMont Labs., Inc., 750 Bioomfield Ave., Clifton, N.J.

ACETO, LOUIS J. (A'54), Studio Field Engr., NBC, 4001

Nebraska Ave., N.W., Washington, D.C.

ACHARD, FRANCIS H., JR. (S'4B-A'50-M'55), Exec.

Officer, CGC Cowslip (WAGL-277), CG Base, South Portland, Me. land, Me.

ACHATZ, RAYMOND V. (A'20-VA'39-M'55)(L), Secy., Genl. Mgr., Southern Indiana Telephone Co., 203 Mechanic St., Aurora, Ind.

ACHENBACH, JOHN C. (A'47-M'55-SM'57), Mgr., R.F., Circuit Design, TV Engrg., RCA, Camden B, N.J.

ACHESON, MARCUS A. (A'36-M'37-F'41), Engrg. Consultant, Sylvania Elec. Prods., Inc., 1740 Broadway, New York 19, N.Y.

ACHTELIKI, GERARD (A'52-M'56), Elec. Prod. Corp., 111 E. 3 St., Mount Vernon, N.Y.

ACHZEHNER, ROBERT Q. (M'58), 75 N. 2nd Ave., Beech Grove, Ind. Grove, Ind.

ACKER, ARNOLDE (4.54), Regional Sales Mgr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

ACKER, MDRRIS (S'45-A'47-M'55), Electronic Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J. moutn, N.J.

ACKER, ROBERT C. (S'49-A'52-SM'57), Electronics
Engr., Univ. of California Radiation Lab., Berkeley 4, Calif.

ACKER, ROBERT E. (A'54), Chief, Data Techniques Sect.,
U.S. Amy Signal Research & Development Lab., Ft. Monmouth, N.J. ACKER, WESLEY W. (S'49-A'52-M'57), R.F. Group Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif. Monica, Calif.

ACKERLIND, ERIK (A'3B-VA'39-SM'52), Consultant, Box 65, Saratoga, Calif.

ACKERLY, ROBERT J. (S'55-A'56), Technician, Torwico Electronics, Inc., 1190 Morris Ave., Union, N.J.

ACKERMAN, BEMSON F., JR. (S'50-A'51-M'56), Supur., Dev., CBS, 485 Madison Ave., New York, N.Y.

ACKERMAN, CARTER L. (S'56-M'59), 8501 Kittyhawk

Ave., Los Angeles 45, Calif.

ACKERMAN, DAVID D. (S'49-A'50-M'58), Sr. Electronics

Engr., Burroughs Corp., Paoll, Pa.

ACKERMAN, EDMUND K. (A'27-SM'46), Owner, E.K.

Ackerman, Electronic Devices, 3650 E. Pleasant Valley Rd.,

Cleveland 31, Ohio. Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland 31, Ohio.

Cleveland

- ACKERMAN, SAM L. (SM'54), Sr. Project Engr., Convair-Astronautics, Atlas Airborne Systems, 5001 Kearny Villa Rd., San Diego, Calif.
- ACKERMAN, SUMNER (M'57), V.P., Research Div. Mgr., Instrument Development Labs., Inc., 67 Mechanic St., Attleboro, Mass.
- ACKERMAN, THOMAS E. (M'59), Assoc. Engr., IBM, Endicott, N.Y.
- Endicott, N.Y.

 ACKERMAN, WILLIAM J. (S'57-M'5B), Instr., Surface to Air Missile Systems, U.S. Army Ordnance Guided Missile School, Redstene Arsenal, Aia.

 ACKERMAN, WILLIAM W. (A'46), Dir., Electronics, The Industrial Corp., Charles & Saratoga, Baltimore, Md.

 ACKERMANN, MAURICE E. (S'56-A'57), Instr., U.S. Army Air Defense School, Ft. Bilss, Tex.

 ACKERSON, ROBERT D. (S'5B-M'59), Tech. Rep., Bur. Ordnance, 100 Plastics Ave., Pittsfield, Mass.

 ACKLEY, ERNEST H. (A'46-M'55), Engr., Defense Systems Div., GE Co., Syracuse, N.Y.

 ACKLEY, JOHN N. (S'55-M'5B), Assoc. Dir., Advance Planning Engrg. Dept., Internati. Electric Corp., Paramus, N.J.

- Planning Engrg. Dept., Inkematl. Electric Corp., Paramus, N.J.

 ACKLEY, REXFORD M. (A'51), Missile Guidance Engr., Raytheon Mfo. Co., Box 949, Oxnard, Callf.

 ACKMAN, CHARLES W. (S'52-A'53-M'58), Design Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 ACKMAN, HOWARD E. (A'31-M'37-SM'43), Mgr., Standards Engrg., Sylvania Elec. Prods., Inc., Emporium, Pa.

 ACKROYD, JDHN (M'57), Tech. Engr., Bristol Aircraft Ltd., Filton House, Bristol, England.

 ACKWORTH, DONALD L. (S'4B-A'50-M'55), Sect. Head, Furismorth Electronics Co., New Haven, Ind.

 ACOND, JAMES D. (S'57-M'58), Research & Dev. Engr., California Institute of Technology, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.

 ACOSTA, EMILIO (A'59), Technician, Williams Radio & Television, 2062 Liberry, Jacksonville, Fia.

 ACOSTA, FELIPE B. (A'44), Mgr., A&P Radio-Television, 59 Pennsylvania Avenue, Newark 5, Au.

 ACOSTA, RAFAEL J. (M'49), Consultant Radio Engr., Box

- 59 Peninsylvania Avenue, Newark 5, N.J.
 ACOSTA, RAFAEL J. (M'49), Consultant Radio Engr., Box
 B9, Rio Piedras, Puerto Rico.
 ACTON, DONALD J. (S'55-M'57), Asst. Engr., Avco,
 201 Lowel St., Wilmington, Mass.
 ACTON, EDWARD S. (M'56), Dev. Engr., Quality Control
 Dev. Lab., GE Co., Schenectady, N.Y.
 ACTON, EUGENE E. (S'55-M'5B), Communications Officer,
 USAF, Carswell AFB, Tex.
 ACTON, FRANCIS G. (M'57), Engr., IBM, Poughkeepsie,
 N.Y.
- N.Y.

 ADACHI, HAJIME (A'57), Shimada Physical & Chemical Industrial Co., 17 Fujimi-cho, Nakanoku, Tokyo, Japan.

 ADACHI, TOSHIO (S'49-A'51-SM'57), Sr. Project Engr.,

 Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles 7,

 Calif.
- Calif.

 ADACHI, WILLIAM Y. (A'26-VA'39), Consolidated Edison Co. of New York, Inc., 40-22 Lawrence St., Flushing, L.i., N.Y.

 ADAIR, BILLY M. (S'57-M'59), Communication & Electronics Operation Div. Officer, 4756th Air Base Group, USAF, Tundall AFB, Fla.

 ADAIR, GEORGE P. (A'42-SM'44-F'47), Sr. Partner & Chief Engr., George P. Adair Engrg. Co., 1610 Eve St., N.W., Washington 6, D.C.

 ADAIR, ROCER P., JR. (S'55-M'56), Engr., Raytheon Mfg. Co., Maynard, Mass.

 ADAM, EDWARD P., JR. (S'57-A'57), 1230 83 St., North Bergen, N.J.

 ADAME, S. LUCIO (S'57-A'57), Communications Engr.,

- ADAME, S. LUCIO (S'57-A'57), Communications Engr., Electro-Labs., S.A., Guanajuato 115, Mexico, D.F., Mexico.
- Mexico.

 ADAMS, ARCHIE T. (S'57-M'5B), Dev. Engr., Radio Receptor Co., Inc., 240 Wythe Ave., Brooklyn, N.Y.

 ADAMS, ARLON T. (M'5B), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 ADAMS, BRUCE L. (S'47-A'50-M'56), Engro, Sect. Head, Sperry-Utah Engro, Labs., 322 N. 21, W., Salt Lake City, Utah.

 ADAMS, CAL VIN W. (S'53-A'53), C.I.C. Sect.
- ADAMS, CALVIN W. (S'51-A'53), C.I.C. Special Systems Branch, Comm. Div., Signal Corps, Quarry Helphts, Canal Zone.
- ADAMS, CHARLES W. (M'52), Group Supvr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. ADAMS, CLIFFORD B. (A'55), Elec. Engr., Natl. R. Inc., 5100 San Francisco Ave., St. Louis 15, Mo.

- Corp., 22 St. & Lenign Ave., Philaceipnia 32, Pa.
 ADAMS, CLIFFORD B. (A'55), Pres., Adams Engray. Ltd.,
 Inc., 5100 San Francisco Ave., St. Louis 15, Mo.
 ADAMS, CLYDE B. (A'59), Pres., Adams Engray. Ltd.,
 1500 St. Catherine St., W., Montreal, P. Q., Canada.
 ADAMS, DANIEL A. (S'59), Pres., Adams Engray. Ltd.,
 1500 St. Catherine St., W., Montreal, P. Q., Canada.
 ADAMS, DANIEL A. (S'54-M-96), Rellability Systems
 Analysis, Airborne Computer Lab., IBM, Owego, N.Y.
 ADAMS, EDGAR W., JR. (A'42-M-95), Patent Atty.,
 Bell Tel. Labs., 463 West St., New York 14, N.Y.
 ADAMS, EDWIN C. (A'53-M-58), Sr. Systems Engr., Cook
 Research Labs., 6401 Oakton St., Monton Grove, III.
 ADAMS, EDWIN L. (S'58-M-59), Elec. Engr., Public
 Service of Colorado, 15 Champa, Denver, Colo.
 ADAMS, ELDRIDGE S., JR. (S'4B-A'50), Leader, Systems
 Dymamics Sect., System Development Corp., 2500 Colorado
 Ave., Santa Monica, Calif.
 ADAMS, ENEST L. (A'42-SM-450), Chief Engr., Miami
 Valley Broadcasting Corp., WHIO-AM-FM-TV, 1414
 Willimington Ave., Dayton 20, Ohio.
 ADAMS, FOSTER L. (S'50-A'53-M'57), Sr. Electronics
 Engr., Convair, Box 1011, Pomona, Calif.
 ADAMS, GAYLE E. (S'49-A'52-M/57), Operations Analyst,
 GE Co., Black Canyon Hwy., Phoenix, Arlz.
 ADAMS, GERALD J. (A'42-M'49-SM'50), Pres., AdamsRussell Co., Inc., 200 6 St., Cambridge 42, Mass.
 ADAMS, GUY E. (S'49-A'50-SM'55), Head, Automation
 Dept., MAICO Electronics, Inc., 21 N. 3rd St.,
 Minneapolis 1, Minn.
 ADAMS, HARRY E. (A'57), Pres., Control Equipment
 Corp., 19 Keamey Rd., Needham Heights 94, Mass.
 ADAMS, HARRY J. (S'50-M'59), TeorRep., The Raiph M.
 Parsons Co., 151 S. DeLacey, Pasadena, Calif.
 ADAMS, JACK E. (M'58), Industrial Consultart, Renner,
 Inc., 1530 Lombard St., Philadelphia. Pa.

- ADAMS, JAMES G. (M'59), Elec. Engr., Western Electric Co., 3300 Lexington Rd., Winston-Salem, N.C. ADAMS, JAMES R., JR. (M'56), Supvr., Measurement Standards, CBS-Hytron, Danvers, Mass ADAMS, JAY E. (M'55), Head, Military Communications Dept., Collins Radio Co., 1200 Alma Rd., Richardson, Tex.
- ADAMS, JOHN (M'59), 46 Radnor Rd., Great Neck, L.I.,
- ADAMS, JOHN H. (A'37), Engrg. Dir., KFDX-TV, KFDM, KFDM-TV, Box 2040, Wichita Falls, Tex. KFDM-TV, Box 2040, Wichita Falls, Tex.
 ADAMS, JOSEPH C. (M'55), Consulting Engr., 17B Hicks St., Brooklyn, N.Y.
 ADAMS, KIPLING (A'41-M'46), Engr., Genl. Radio Co., 1150 York Rd., Abington, Pa.
 ADAMS, LESTER R. (M'57), Dev. Engr., IBM, Endicott, N.Y.

- N.Y.

 ADAMS, LEWIS C. (M'59), Engr., Westinghouse Elec.
 Corp., Baltimore 3, Md.

 ADAMS, LINWOOD P. (SM'5B), Head, Transformer Design Sect., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 ADAMS, MAX M. (S'47-A'49-M'55), Supvr., Elec. Subsystems Design Unit, GE Co., Evendale, Ohio.

 ADAMS, MILTON B. (S'41-M'50-SM'52), Head, Special Devices Group, Stanford Research Institute, Menlo Park, Calif.
- Calif.

 ADAMS, MYRON D. (SM'47), Systems Dev. Engr., Westem Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 ADAMS, ORVIS E. (M'57), Engr., Arma Div., American Bosch Arma Coro., Garden City, L.I., N.Y.

 ADAMS, PAUL L. (S'56-M'59), Elec. Engr., U.S., Weather Bureau, Dept. of Commerce, Washington 25, D.C.

 ADAMS, PAUL R. (SM'52), Dir., Research & Dev., Long Range Planning, ITT Labs., Nutley, N.J.

 ADAMS, RALPH E. (M'59), Design Engr., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton Highlands 61, Mass.

 ADAMS, RICHARD D. (MISA). Physics Instr., Can Diagn.

- ADAMS, ROBERT E. (1422 MES. CMES.), Newton Highlands 61, Mass.
- F-A., Aeronautical Center, Box 1082, Oklahoma City 12, Okla.

 ADAMS, ROBERT J. (A'42-M'51-SM'51), Electronic Scientist, Naval Research Lab., Washington 25, D.C. ADAMS, ROBERT L. (M'51), ASSt. Mgr., Govt. Prods., Bendix Radio, Towson 4, Md.

 ADAMS, ROBERT L. (S'55-M'57), Electronic Data Processing Design Engr., RCA, Camden 2, N.J.

 ADAMS, ROBERT M. (A'51), Electronics Engr., USAF, School of Aviation Medicine, Randolph Field, Tex.

 ADAMS, ROBERT M. (A'52-M'55), Research Scientist, Defense Research Lab., Univ. of Texas, Austin, Tex.

 ADAMS, ROBERT N. (A'55), Sect. Head, Dept. 65-43, Lockheed Aircraft Corp., Patrick AFB, Fla.

 ADAMS, ROBERT T. (A'48-SM'55), Sr. Scientist, ITL Labs., Nutley 10, N.J.

 ADAMS, ROGER R. (S'52-A'54), Assoc. Elec. Engr., Brookhaven Lab., Upton, L.I., N.Y.

 ADAMS, ROY L. (SM'55), Chief Dev. Engr., Canadian Applied Research Ltd., 1500 O'Connor Dr., Toronto, Ont., Canada.

- ADAMS, THEODORE H. (A'53), Radio Repairman, New York Telephone Co., 308 Ostrander Ave., Riverhead,
- LI.N.Y.

 ADAMS, THOMAS E. 0M'56), Elec. Engr., Naval Ordnance Lab., Silver Spring, Md.

 ADAMS, THOMAS M. (M'5B), Capt., USN, Dir., Avinics Div., Bureau of Aeronautics, Navy Dept., Washington, D.C. ADAMS, THOMAS N. (M'51), Partner, Atcheson & Adams, 601 N. Elm St., Greensboro, N.C.

 ADAMS, VINCENT F., JR. (A'56), Jr. Engr., Electronic Associates, Inc., Long Branch, N.J.

 ADAMS, WALLACE A. (M'59), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 ADAMS, WALTER (S'49-A'50-M'55), Scientific Staff Rep., Hughes Alroraft Co., Culver City, Calif.

 ADAMS, WARNER S., JR. (S'51-A'52-M'577), Electronics Scientist, USN Underwater Sound Lab., Ft. Trumbull, New London, Com.

 ADAMS, WILLIAM, B. (A'54), Engr., Systems Dev., GE

- Scientist, USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.

 ADAMS, WILLIAM B. (4'54), Engr., Systems Dev., GE Co., Syracuse, N.Y.

 ADAMS, WILLIAM C. (M'55), Chief, Data Systems Branch, Air Force Flight Test Center, Edwards AFB, Calif.

 ADAMS, WILLIAM H. (SM'54), Staff Electronics Engr., Lockheed Missile System Div., Palo Alto, Calif.

 ADAMS, WILLIAM L. (S'51-M'57), Instr., Elec. Engrg., Purdue Univ., West Lafayette, Ind.

 ADAMS, WILLIAM L. (A'52), Sales Mgr., Radio Specialties & Apoliance Coro., 917 N. 7 St., Phoenix, Ariz.

 ADAMSON, A. CLARK (A'51), Methods Engr., Dole Valve Co., Lehigh & Oakton Sts., Monton Grove, Ill.

 ADAMSON, ALPHONSE A. (SM'54), Administrator, DEW Line Operations, Federal Electric Coro., Paramus, N. J.

 ADAMSON, ARTHUR L. (M'55-SM'56), V.P., Electronic Associates, Inc., Long Branch Ave., Long Branch, N.J.

 ADAMSON, LARS 8. (S'47-A'50-A'52), Electronics Engr., D. of LSM, Engrg. Div., San Bernardino AMA, Norton AFB, Calif.

 ADAMSON, LARS 8. (S'47-A'50-A'52), Electronic Engr., D. of LSM, Engrg. Div., San Bernardino AMA, Norton AFB, Calif.

- ADAMSON, PATRICK (S'56-M'58), Assoc. Engr., Convair-Astronaukies, San Diego, Calif.
 ADAMSON, PETER R. (A'51-M'56), Elec. Engr., RCA
 Defense Prods. Div., Canden, N.J.
 ADAMSON, PHIL A. (S'45-A'48-M'55-SM'56), Engrg.
 Lab. Staff, Hughes Aircraft Co., 1901 W. Malvern St.,
 Fullerton, Calif.
 ADAMSON, PORSEC C. ASSOC.
- ADAMSON, ROBERT G. (M'47), V.P., Airdesign Corp., 241 Fairfield Ave., Upper Darby, Pa. ADAMTHWAITE, FRANK V., JR. (M'57), Engr., GE Co., Syracuse, N. V Syracuse, N.Y. ADCOCK, MACK D. (SM'56), Mgr., Microwave Lab., Hughes Aircraft Co., Culver City, Calif.

- ADCOCK, STUART E. (A'2B-VA'39-SM'56), Consultant, 1340 N.E. 103 St., Miami 3B, Fla. ADCOCK, WILLIS A. (SM'55), Mgr., Dev. Dept., Semi-conductor-Components Div., Texas Instruments, Inc., Box 312, Dallas, Tex.

- conductor-Components DIV., Texas Instruments, Inc., Box 312, Dallas, Tex.

 ADDAMO, JOSEPH A. (A'53), Engr., American Bosch Arma Coro., Garden City, L.1., N.Y.

 ADDIE, ROBERT W. (M'59), Mktg., Dir., EMI Electronics, Ltd., Blyth Rd., Hayes, Middx., England.

 ADDISON, WILLIAM G. (A'50-M'55), Sales Engr., Stackpole Carbon Co., 3403 N. Broadway, Chicaso 13, III.

 ADDLEMAN, LLOYD A. (S'49-A'50-M'57), Pres., Microwave Engre. Labs., 943 Industrial, Palo Alto, Calif.

 ADDY, JAMES R. (M'56), Sales Engr., Crossley Associates, Inc., 2711 W. Howard St., Chicago 45, III.

 ADELSBERG, JULIUS (A'53), Electronics Scientist, Material Lab., New York Naval Shilpyard, Brooklym 1, N.Y.

 ADELSON, MORRIS B. (A'54-M'57), Research Engr., Lockheed Missiles & Space Div., Sunnyvale, Calif.

 ADEM, RUSSELL (S-54-M'5B), Design Engr., IBM, Poughkeensie, N.Y.

 ADEN, ARTHUR L. (SM'57), Assoc. Dir., Research & Dev., Military Electronics Div., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 ADEN, RGGER D. (S'54-A'56), Staff Asst., Sandia Corp.,

- MIIItary Electronics Div., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 ADEN, ROGER D. (S'54-A'56), Staff Asst., Sandla Corp., Sandia Base, Albuquerque, N.M.

 ADERENTE, ALBERT A. (M'57), Chief Engr., Fugle-Miller Labs., Inc., 301 Central Ave., Clark, N.J.

 ADERHOLD, HARVEY J. (A'43-M'55), Chief Engr., WLW-A, 1611 W. Peachtvee St., Altanta, Ga.

 ADEY, ALBERT W. (A'55), Scientific Officer, Canadian Defense Research Board, Ottawa, Ont., Canada.

 ADEZIO, LOUIS S. (M'5B), Branch Mgr., J-H Electronic Sales Co., Box 742, Newtown, Pa.

 ADIKARAM, KITHSIRI B. (A'55), inspector of Telecommunications, Dept. of Telecommunications, Ceylon.

 ADISC, HERBERT H. (M'55), Pers., Computer Instruments Corp., 92 Madison Ave., Hempstead, L.I., N.Y.

 ADKAR, CHINTAMANI K. (M'56), Electronics Engr., Canadar, Ltd., Box 60B7, Montreal, P.Q., Canada.

 ADKINS, ASA W., JR. (SM'59), Mgr., Military Communications Prods., Collins Radio Co., Cedar Rapids, Iowa.

 ADKINS, ELBERT E., III (S'57-A'59), 3B43 Chevy Chase, Houston 19, Tex.
- Houston 19, Tex.

 ADKINS, FLAKE L., JR. (S'57-A'59), 3843 Chevy Chase,

 ADKINS, FLAKE L., JR. (S'51-A'51-M'57), Test Planning

 Engr., Western Electric Co., Chatham Rd., Winston-Salem,

 N.C.
- N.C.

 ADKINS, HAROLD T. (S'48-A'51-M'56-SM'59), Asst. Chief Engr., Military Systems Div., Utica Div., Curlis-Wright, 50500 Mound Rd., Utica, Mich.

 ADKINS, JOHN M. (A'43-M'46), Chief Draftsman, American Cyanamid Co., Fortier Plant, Box 10,008, New Orleans 21, La.

 ADKIS SON, CEORGE O. AMERICAN.

- leans 21, La.

 ADKISSON, GEORGE O. (M'55), Maj., U.S. Army, Home: 306-13 fd St., Ft. Leavenworth, Kan.

 ADKISSON, WILLIAM M. (A'48-M'55), Sect. Chief, Computers, Minneapolis-Honeywell Regulator Co., Inertial Guidance Facility, 13350 U.S. Hwy. 19, St. Petersburg, Fla.

 ADLER, A. WILLIAM (A'57), V.P., Essex Specialty Co., 308 Springfield Ave., Berkeley Helphst, N.J.

 ADLER, BENJAMIN (A'28-VA'39-SM'51), Pres., Adler Electronics, Inc., 1 Le Fevre Lane, New Rochelle, N.Y.

 ADLER, CYRUS (A'56), Lecturer, Physics, The College of The City of New York, 137 St. & Convent Ave., New York, N.Y.

- The City of New York, 137 St. & Convent Ave., New York, N.Y.

 ADLER, DAVID G. (S'57-M'58), Elec. Engr., Sperry-Rand Corp., 1900 Allegheny Ave., Philadelphila, Pa.

 ADLER, E. (M'59), Canadair, Montreal, P.Q., Canada.

 ADLER, ERIC L. (M'59), Instr., McGill Univ., Sherbrooke St., Montreal, P.Q., Canada.

 ADLER, HAROLD J. (A'43-SM'51), Pres., H. J. Adler & Associates, 4406 Main St., Skokle, III.

 ADLER, JACK T. (S'52-A'53), Engr., Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mt. Vernon, N.Y.

 ADLER, JAMES I. (M'57), Mfs. Engr., Electronic Communications, Maritime Base, St. Petersburg, Fla.

 ADLER, JANOS G. (A'57), Asst. Selsmic Oberator, Geophysical Dept., Imperial Oil, Ltd., 11160 Jasper Ave., Edmonton, Alta., Canada.

 ADLER, JASON A. (S'48-A'50), Group Engr., Royal Industries, Inc., 1035 Westminster St., Alhambra, Calif.

 ADLER, LAMBERT L. (S'42-A'45-M'54), TV Engr., WPIX, Inc., 220 E. 42 St., New York 17, N.Y.

 ADLER, ICHARD B. (S'44-A'48-SM'53), Prof., Elec. Engrg., MIT, Cambridge 39, Mass.

 ADLER, ROBERT I. (4'2-SM'47-F'51), Assoc. Dir. of Research, Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.

 ADLER, ROBERT H. (M'58), Design Engr., Loral Electronics, 875 Bronn River Ave., Ronn, 72, N.Y.

- cago 39, III.

 ADLER, ROBERT H. (M'58), Design Engr., Loral Electronics, 825 Bronx River Ave., Bronx 72, N.Y.

 ADLER, SAMUEL E. (S'48-A'52-M'57), Physicist, The Dow Chemical Co., Spectroscopy Lab., Midland, Mich.

 ADLER, SELWYN L. (M'57), Engr., No. Amer. Aviation, Designs, Calif.
- Downey, Calif.

 ADLER, WILLIAM (M'52), Dept. Mgr., W. L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

 ADLER, WILLIAM A. (A'56), Sales Engr., Sylvania Elec. Prods., Inc., 2001 N. Comeli Ave., Melrose Park, Ill.

 ADLERSTEIN, SIDNEY A. (M'58), 3735 Nautilus Ave., Brooklyn 24, N.Y.

 ADOLPH, ALAN R. (S'50-M'55), Medical Electronics Fellow, Stanford Univ., Stanford, Calif.

 ADOLPH, ERNEST H. (A'55-M'59), Electronics Engr., Raytheon Mfg. Co., Bedford, Mass.

 ADORIAN, PAUL (A'33-M'40-SM'43), Mng. Dir., Associated-Rediffusion, Ltd., Television House, Kingsway, London W.C. 2., England.

- London W.C. 2., England.

 ADRIAN, DONALD J. (S'52-A'53-M'58), Electronics Scientist, Head, Systems Branch Research Dept., Naval Ordnance Lab., Corona, Calif.

 AFENDYKIW, MARKO (S'57-M'58), Electronics Engr., Naval Ordnance Test Sta., China Lake, Calif.

 AFFEL, HERMAN A. (A'14-M'40-SM'43-F'49)(L), Consultant, RFD 2, Oakland, Me.

 AFFEL, MERMAN A., JR. (SM'55), Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 AFFEL, DOBERT G. (S'48-A'51-M'56), Supvg. Engr., Oak Ridge Natl. Lab., Box P, Oak Ridge, Tenn.

 AFFELDER, CHARLES (A'43-M'50-SM'56), Asst. Chief, Radio Engrg. Branch, U. S. Information Agency, Internatl. BDCSTG. Service, Washignton 25, D.C.

AFFELDT, WILLIAM A. (A'56), Field Rep., Link Aviation, Inc., Binghamton, N.Y.
AFFIAS, IRVING M. (A'42-M'46-SM'56), Chief Engr. & Co-Owner, Neptune Electronics Co., 30 W. 15 St., New York 11, N.Y.

Co-Owner, Neptune Electronics Co., 30 W. 15 St., New York 11, N., The St., New York, N., Y.
AFFRONTI, ANDREW P. (M'59), Engr., Western Electric Co., 220 Church St., New York, N., Y.
AFFRONTI, ANDREW P. (M'59), Asst. Chief Engr., Motorola, Inc., 4545 W. Augusta Bivd., Chicago 24, III.
AFFRINTI, ANDREW J. (M'59), Asst. Chief Engr., Motorola, Inc., 4545 W. Augusta Bivd., Chicago 24, III.
AFKER, MARCEL J. (S'55-M'56), Research Engr., Boeing Airolane Co., Seattle, Wash.
AFSHAR, GASSEM H. (M'59), Engr., Adler Electronic Corp., 1 LeFevre St., New Rochelle, N.Y.
AGADONI, CLAYTON A. (S'56-M'57), Project Engr., Cascade Research Div., Monogram Precision Industries, 5245 San Fernando Rd., Los Angeles 39, Calif.
AGALIDES, EUGEN (M'58), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
AGALSOFF, JOHN (A'53), TV Maint. Engr., NBC, 1500 N. Vine St., Hollywood 28, Calif.
AGARWAL, SHREE P. (S'57-A'59), Exec., Cinefones, 3 New Queen's Rd., Bombay 4, India.
AGBULOS, EUSTAQUIO C. (A'58), Electronics Engr., Convair-Astronautics, San Diego 12, Calif.
AGEL, CHARLES W. (A'54), Field Engr., J. D. Ryerson Associates, Inc., 111 Kinne Rd., DeWitt, N.Y.
AGERHOLM, MARTIN (M'53), Head, Systems Requirements & Reliability Sect., Hughes Aircraft Co., Fullerton, Calif.
AGHIS, BARNETT R. (S'50-A'55)—M'5B), Capt., USAF, Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohlo.
AGNEW, JAMES A. (A'54), Engr., Bell Tel. Co. of Canada, Montreal, P.Q., Canada.

Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

AGNEW, JAMES A. (A'54), Engr., Bell Tel. Co. of Canada, Montreal, P.Q., Canada.

AGOPIAN, ANDRE D., (C'5'2-A'53), Electronics Technician, Republic Avlation Copp., Famingdale, L.I., N.Y.

AGOSTA, HOWARD A., (M'58), Cant., USAF, Hgrs. 33d AD(Def), Oklahoma City AFB, Okla.

AGRAWAL, JAGANNATH P. (M'58), Sedhmal Jainarain, Budhwari Bazar, Seoni. Madhva Pradesh. India.

AGREE, IRVIN (A'51-M'56), Engrg. Scientist, New York Univ. Research Div., 401 W. 205 St., New York 34, N.Y.

AGRESS, M. CLIFFORD (M'51), Consulting Engr. & Mirs. Rep., 891 Fution St., Valley Stream, L.I., N.Y.

AGUNALDO, MORTON M. (S'58-M'58), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

AGUILAR, ALBERT (S'52-A'56), Electronics Technician, USN, Cinc South, Box 14, FPO, New York, N.Y.

AGUINALDO, JOSE A. (S'57-A'58), Jr. Engr., U.S. Testing Co., Inc., 1415 Park Ave., Hoboken, N.J.

AGUINALDO, PEORO, A., JR. (M'58), In-Cho., Operation & Maint., Jonosphere Sta., Manilla Observatory, Mirador Hill, Baguio City, Philippine Islands.

Bagulo City, Philippine Islands.
AGULE, AGENGE J. (A'54), Jr. Engr., Telerigister Corp.,
Fairfield Ave., Stamford, Conn.
AGUSTA, BENJAMIN (M'57), Project Engr., IBM, Poughkeepsle, N.Y.
AHA, ROBERT S. (A'46-M'55), Chief Engr., TARC Electronics, 48 Urban Ave., Westbury, L.I., N.Y.
AHALT, CHAUNCEY A. (M'50), Asst. Chief, Applications &
Design Branch, Electronics Components Lab., Directorate of
Labs., Wright-Patterson AFB, Ohio.

Design Branch, Electronics Components Lab., Directorate of Labs., Wright-Patterson AFB, Ohio.

AHEARN, JACK M. (A'43-M'55), Consulting Engr., Box 1113, Salt Lake City 10, Utah.

AHEARN, JOHN L., JR. (SM'58), Research Engr., Naval Research Lab., Washington 25, D.C.

AHEARNE, JOHN F., Misson, Physicist, USAF, Physics Div., Research Directorate, AFSWC, Kirtland AFB, N.M.

AHEARN, JOHN E., G'S'3-A'44-M'55), Administrative Officer, U. S. Govt., Washington, D.C.

AHERNE, CHARLES R. (S'43-A'44-M'55), Administrative Officer, U. S. Govt., Washington, D.C.

AHERN, HOWARD G. (A'54), Maint. Technician, Gamer Aviation Service Co., Bartow Air Base, Fia.

AHERN, WILLIAM C. (S'54-M'57), Systems Engr., Bell Tel. Labs., Whippany, N.J.

AHLADAS, JOHN P. (S'56-M'5B), Electronics Engr., Zenith Radio Corp., 6001 Dickens Ave., Chicago, III.

AHLBERG, WESLEY E. (A'56), Test Engr., Northrop Aircraft Inc., Hawthorne, Calif.

AHLGREN, SVEN I. (A'50), Radio Engr., Svenska Radioaktiebolaget, Alstromerapatan 12, Stockholm, Sweden.

AHLGREN, WILLIAM E. (M'53), Assoc. Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

AHLDRT, BOYCET T. (S'52-A'53-M'5B), Sr. Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif. AHAMAN, ALFRED J. (S'55), Engr., Airborne Instrument Labs., Mineola, L.I., N.Y.

AHMANN, ALFRED J. (S'55), Engr., Airborne Instrument Labs., Mineola, L.I., N.Y.

AHMANN, ROBERT M. (S'54-A'55), C15 W. Main St., Marshall, Minn.

AHMED, ABDEL-LATIF I. (A'54-M'56), Telecommunication Engr., Hassan Pasha El-Eskandarani, Moharam Bey, Alex-

AHMED, ABDEL-LATIF I. (A'54-M'56), Telecommunication Engr., Hassan Pasha El-Eskandarani, Moharam Bey, Alex-andria, Egypt.

AHMED, WAQUAR (A'41-M'49-SM'53), Prof. & Head, Elec. Engrg., Ahsanullah Engrg. College, Ramna, Dacca, East Pakistan.

LAST PAKISTAN.

AHRENDS, STANLEY W. (M'56), Tech. Engr., GE Co.,
Lockland 15, Ohio.

AHRENS, HAROLD R. (A'54-M'59), Sr. Engr., KinTel,
5725 Keamy Villa Rd., San Diego 11, Calif.

AHRENS, ROMAN H. (S'54-M'55), Chief Engr., Chisholm
Industries, Ltd., Electronic Ave., Port Moody, B.C.,
Canada.

AHRENSDORF, ROBERT E. (A'56), Advertising Sales, Robert E. Ahrensdorf Co., 3275 Wilshire Blvd., Los Angeles 5, Calif.

Angeles 5 , Calif.

AHRING , FLOYD E. (A'57), Elec. Engr., Kraft Foods Co., 500 Peshtigo Ct., Chicago 90 , III.

AHRONS , RICHARD W. (S'53-A'54-M'58), Research Staff, RCA Labs., David Sarnoff Research Center, Princeton, N.J.

AICHELE, PHILIP F. (SM'57), Publications Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

AICHELMANN , FREDERICK J., JR. (S'55-M'58), Engr., RCA, Camden, N.J.

AICHHOLZ, CARL (S'56-M'58), Electronics Engr., U.S.

Army Electronic Proving Ground, Ft. Huachuca, Ariz,

AIELLO, MICHAEL (M'58), Sr. Project Engr., Eclipse Ploneer Div., Bendix Aviation, Teterboro, N.J.

- 70 -

AIELLO, VICTOR S. (M'56), Test Methods Engr., Sperry Gyroscope Co., Great Neck, L.I.,N.Y. AIELLO, WILLIAM P. (A'50-M'55), Staff Mem., Los Ala-mos Scientific Lab., Box 1663, Los Alamos, N.M. AIGRAIN, PIERRE R. (S'46-A'49-M58), Prof., Univ., of Paris, Ecole Normale Superieure, 24 rue Lhomond, Paris 5, France.

AIKEN, HOWARD H. (SM'56), Prof., Applied Mathematics, Dir., Computation Lab., Harvard Univ., Cambridge 38, Mass.

AIKEN, WM. ROSS (S'46-A'4B-M'55), Dir., Research, Kaiser Aircraft & Electronics, B50 San Antonio Rd., Paio Alto, Calif.

Kalser Aircraft & Electronics , B50 San Antonio Rd., Palo Alto, Calif.

Alto, Calif.

AlKEN, WILLIAM S. (A'55-SM'57), Mgr., Project Engrg. Dept., Thompson-Ramo-Wooldridge Prods. Co., Box 90067, Los Angeles 45, Calif.

AlKEN, WILLIAM S. (A'55-SM'57), Mgr., Project Engr., Canadian Aviation Electronics, Ltd., 6214 Cote Oe Liesse, Montreal, P. Q., Canada.

AINE, HARRY E. (S'56-A'5B), Patent Atty., Varlan Associates, 611 Hansen Way, Palo Alto, Calif.

AINES, FRANK G. (S'55-M'56), Engr., Westinghouse Elec. Corp., Box 2025, Buffalo 5, N.Y.

AINEY, RONALD K. (M'57), Engr., Westinghouse Elec. Corp., Box 2025, Buffalo 5, N.Y.

AINEY, RONALD K. (M'57), Engr., Westinghouse Elec. Corp., Box 204, Elmira, N.Y.

AINLAY, ARTHUR (A'44-M'49-SM'54), Pres. & Genl. Mgr., Lake Engrg. Co., Ltd., 123 Manville Rd., Scarborough, Ont., Canada.

AINSLIE, HENRY W., JR. (M'58), Pres., Ainslie Corp., 312 Quincy Ave., Quincy, Mass.

AINSWORTH, ERNEST F. (A'53), Research Engr., American Machine & Foundry, 1025 N. Royal St., Alexandria, Va.

AINSWORTH, FRANK W. (S'49-A'50-M'56), Dev. Engr., Computer, Minneapolis-Honeywell Regulator Co., Aero Div., Fencon Bidg., Clearwater, Fla.

AINSWORTH, MERRILL J. (SM'49), Chief Engr., Circon Component Corp., Santa Barbara Municipal Airport, Goleta, Calif.

Call!

AINSWORTH, MERVIN G. (A'4B), Video Switcher, Mid-State Broadcasting Corp., WKTV, Utlea, N.Y.

AINSWORTH, VERNE A. (A'57), Electronics Technician, Newfoundland Light & Power Co., Ltd., St. Johns, Wfld., Canada.

Newfoundland Light & Power Co., Ltd., St. Johns, Nifld., Canada.

AIRD, ALANSON W. (A'39-VA'39-M'55), Retired, 657 Manor Dr., W., Dunedin, Fia.

AIRES, RAMON H. (4'50-M'51), Mgr., Elec. Design, Airborne Systems Dept., RCA, Camden, N.J.

AIRHART, ROBERT V. (S'50-A'52-M'57), District Field Engrg. Mgr., ElectroData Div., Burroughs Corp., 1930 Market St., San Francisco, Calif.

AISBERG, EUGENE (M'54), Editor, Toute La Radio, 42 rue Jacob, Paris 6-e, France.

AITCHISON, DWIGHT C. (M'57), Microwave Design Engr., Oalmo Victor Co., 1515 Industrial Way, Belmont, Calif.

AITCHISON, RONALD E. (M'59), Assoc. Prof., Univ. of Sydney, New South Wales, Australia.

AITEL, MOE L. (S'46-A'49-M'5B), Systems Engr., RCA, Moorestown, N.J.

AITKEN, KENNETH M. (M'52-SM'55), Administrator, Contract Planning, RCA Semiconductor. & Materials Div., Somerville, N.J.

AITKEN, ROBERT (A'55-M'57), Equipment Engr., Citi zens Utilities Co. of California, 1255 Oregon St., Redding, Calif.

Calif.

AITKEN, ROBERT K. (A'47-M'58), Design Supvr., Hazeltine Corp., Little Neck 62, L.I., N.Y.

AITKENHEAD, JOHN (A'26-M'55), Engr., Bell Tel. Labs., Burlington, N.C.

AITO, ISAMU (M'57), Asst. Engr., Armour Research Foundation of Illinois, Institute of Technology, 3510 S. State St., Chicago 16, Jil.

AIYA, CHANDRASHEKHAR S. V., (A'40-M'42-SM'43), Prof., Elec. Communications, College of Engrg., Poona 5, India.

Prof., Elec. Communications, College of Engrg., Poona 5, India.

AJELLO, EDWARD M. (S'55-M'5B), Commercial Engr., GE Co., Lowell, Mass.

AJEMAN, MATTHEWS. (M'53), Mem. Tech. Staff, Hughes Aircraft Co., Box 11337, Tucson, Arlz.

AJEMIAN, MARY M. (M'56), Project Engr., Bendix Radio, E. Joppa Rd., Towson 4, Md.

AJEMIAN, MARY M. (S'57-M'59), Asst. Engr., Bethlehem Steel Co., Bethlehem, Pa.

AJIOKA, JAMES S. (M'55), Research Engr., Hughes Aircraft Co., Culver City, Calif.

AJOOTIAN, GEORGE (A'56), Electronics Technician, MIT Lincoln Lab., Lexington 73, Mass.

AKE, NELSON E. (M'58), Engr., Western Electric Co., Marion & Vine, Laureldale, Pa.

AKE, THOMAS E. (M'56), Sr. Electronics Fingr., Litton Industries, Inc., 10916 W. Washington, Culver City, Calif. AKERBERG, ELMER D. (A'54), Electronics Field Engr., RCA Service Co., Camden B, N.J.

AKERMAN, BEN (A'3B-SM'44), Owner, Genl. Mgr., WGRE, Cheraw, S.C.

AKERS, ROBERT C. (A'57), Engr., Dressen Barnes Corp., 250 N. Venido, Pasadena, Calif.

AKERS, ROBERT C. (A'46-M'54), Electronics Engr., Electronic Engrg., City, California, Inc., 1601 E. Chestnut, Santa Ana, Calif.

AKHRST, DENYS O. (M'58), Prof. & Chmn., Elec. Engr., Dept., Elity, of Miani, Coral, California, Inc., 1601 E. Chestnut, Santa Ana, Calif.

nut, Santa Ana, Callf.
AKHURST, DENYS O. (M'58), Prof. & Chmn., Elec. Engrg.
Dent., Univ. of Miami, Coral Gables, Fla.
AKIMOTO, WALLACE M. (S'56-M'57), Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III.
AKIN, PHILLIP A. (S'51-A'52-M'56), Chief Engr., Fenske,
Fedrick & Miller, Inc., 12820 Panama St., Los Angeles
66. Callf

Pedrick & Miller, March, 226-VA'39), Pres., Hudson Wire Co., 62 Water St., Ossining, N.Y.

Miller & Miller & Miller & Mome 96-1361

62 Water St., Ossining, N.Y.
AKIRA, ABE (A'58), Engr., Nitachi, Ltd., Home: 96-1361
Kamihoya, Hoyamachi Kitatamagun, Tokyo, Japan.
AKLINSKI, MARTIN J. (A'51), Dev. Engr., GPE Controls, Inc., 240 E. Ontario St., Chicago 11, III.
AKMENKALNS, IVARS G. (S'55-M'57), Assoc. Engr., IBM, Endicott, N.Y.
AKRE, ROLAND D. (SM'57), 3916 S.W. 3rd Ave.,
Gainesville, Fla.
AKREL, CARI A. (SM'56), Staff Engr., Internat. Teles.

Garla, (SM'56), Staff Engr., Internati. Tele-meter Corp., 2000 Stoner Ave., Los Angeles 25, Calif. AKSAMIT, EUGENE M. (M'57), Assoc, Research Engr., Boeing Airplane Co., 3801 S. Oliver, Wichita 1, Kan.

AKSELSEN, HANS (S'57-M'59), Jr. Electrònics Engr., Sanders Associates, Nashua, N.H.

AKSIM, VIC E. (S'48-A'49-5M'54), Sr. Civilian Engr., Communications & Elec. Engr. in Chief's Branch, Navai Service, Dept. of Natl. Defense, Ottawa, Ont., Canada. ALAIA, CARLO M. (S'55-M'58), Equipment Engr., RCA Service Co., Camden 8, N.J.

ALAMO, JOSE A. (M'56), V.P., Sistemas Electricos, C.A., Edif. Industria 4-C-Pte. Republica, Caracas, Venezuela. ALANDER, NORMAN E. (S'57-A'59), Electronics Technician, Lawrence Radiation Lab., Univ. of Calif., Livermore, Calif.

more, Calit.

ALBANES, NICHOLAS J. (S'48-A'50-M'5B), Dev. Engr.,
BM, Northern Belt Line, Lexington, Ky.

ALBANESE, ANGELO P. (S'55-M'56), Engr., Polytechnic
Research & Development Co., 200 Tillary St., Brooklyn 1,
N.Y.

N.Y.
ALBANESE, OAMIAN F. (S'52-A'53-M'57), Electronics
Engr., ITT Labs., Nutley 10, N.J.
ALBANESE, JOSEPH P. (M'58), Asst. Engr., Sperry
Gyroscope Co., Great Neck, L.I., N.Y.
ALBANESE, PATSY (A'53), Genl. Engr., New York Naval
Shipyand, Material Lab., Code 991, Brooklyn 1, N.Y.
ALBANESE, VICTOR J. (S'48-A'50-SM'55), Asst. Chief
Electronics Engr., Bogart Mfg. Co., 315 Slegal St.,
Brooklyn, N.Y.

ALBANO, JOHN (A'43-M'47-SM'52), Sr. Project Engr., Texas instruments, inc., 6000 Lemmon Ave., Dallas, Tex., ALBARRACIN, MAGDALENO B., JR. (S'5B-M'59), instr., Elec. Engra., Univ. of the Philippines, Dillman, R(zal, Philippines.

ALBAUM, MALCOLM H. (S'57-M'59), Electronics Engr., Telechrome Mfg. Corp., 2B Ranick Dr., Amityville, L.I.,

ALBAUM, MALCOLM H. (S'57-M'59), Electronics Engr., Telechrome Mfg. Corp., 2B Ranick Dr., Amityville, L.I., N.Y.

ALBEE, CHARLES M. (A'42-M'52), Electronics Engr., FAA, Washington 25, D.C.

ALBEE, MELVIN M. (A'44-M'55-SM'57), Chief Engr., Test Div., Aviation Dept., Army Electronic Proving Ground, Ft. Huachuca, Ariz.

ALBEE, ROBERT B. (M'56), Project Engr., Sperry Piedmont Co., Charlottesville, Va.

ALBER, JOHN D. (M'57), Elec. Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.

ALBER, JOHN D. (M'57), Elec. Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.

ALBERONG, RICHARD C. (S'57-A'5B), Electronics Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. ALBERS, SCHOENBERG, ERNST (SM'59), V.P., Research, Genl. Ceramics Corp., Keasbey, N.J.

ALBERSHEIM, WALTER J. (A'43-SM'4B-F'57), Chief Engr., Spencer-Kennedy Labs., Inc., 1320 Soldiers Field Rd., Boston 35, Mass.

ALBERT, ALAN D. (M'57), Electronics Dev. Engr., Link Aviation, Inc., 530 University Ave., Palo Alto, Calif. ALBERT, ALLAN D. (M'55), Mgr., Computation Labs., Missile Div., Chrysler Corp., Box 2628, Detroit 31, Mich. ALBERT, ARTHUR A. (A'48), Quality Control Mgr., Warwick Mfg. Corp., 7300 N. Lehigh, Chicago 31, Ili.

ALBERT, ARTHUR M. (S'55-M'5B), Engr., Western Electric Co., 220 Church St., New York, N.Y.

ALBERT, BROOKE (A'54), Advanced Dev. Engr., Sylvania Elec., Prods., Inc., Waltham 54, Mass.

ALBERT, DAVID E. (A'53-M'58), Sales Mgr., Stupakoff Div., The Carborundum Co., Latrobe, Pa.

ALBERT, MILTON P. (M'59), Assoc. Engr., IBM, Ossining, N.M.

ALBERT, MILTON P. (M'59), Assoc. Engr., IBM, Ossining,

N.Y.
ALBERT, SIDNEY L. (A'48), Process Analyst, Convair-Astronautics, San Diego 1, Calif.
ALBERT, VINKO R. (M'53), Prof., Elec. Engrg., Elec-trotechnical Faculty, U18. maja 1945, Zagreb, Yugoslavia.
ALBERTINE, HERMAN, JR. (SM'58), Mngt., Electronic Tube Div., Genl. Electrodynamics Corp., Box 517, Garland, Tex.

Tex.
ALBERTS, PEARL L. (A'57), Vail Librarian, MIT, Cambridge 39, Mass.
ALBERTS, WILLIAM A. (A'47-M'55-SM'55), Group Engr., Instrumentation Sect., Missiles & Space Systems, Douglas Aircraft Corp., 3000 Ocean Park Blvd., Santa Monica,

Aircraft Corp., 3000 Ocean Park Blvd., Santa Monica, Call.

ALBERTS, WILLIAM S. (A'41-M'44-SM'52), Asst. Tech. Dir., Developmental Engre, Corp., 1000 Connecticut Ave., N.W., Washington 6, D.C.

ALBERTSON, FRED W. (A'33-M'44-SM'49), Partner, Dow, Lohnes & Albertson, Attys., Munsey Bidg., Washington 4, D.C.

ALBERTSON, HAROLD D. (M'59), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

ALBERTSON, JOHN N. (A'55), Asst. Supt., Communications, Southern Pacific RR, T. & N. O. Lines, Houston, Tex.

ALBERTSON, WILLIAM R. (A'58), Principal Electronics Technician, Univ. of California Lawrence Radiation Lab., Box 808, Livermore, Calif.

ALBICOCCO, SALVATORE P. (M'56), Elec. Engr., Eastern States Electric Construction, Inc., 221 E. 46 St., New York 17, N.Y.

17, N.Y.

ALBIN, ARNOLD L. (M:53-SM:58), Project Dir., Systems Engro. Div., Filtron Co., Inc., 131-15 Fowler Ave, Flushing, L.I., N.Y.

ALBIN, FRANK I. (S'48-A'49-M'55), Staff Engr., Bendix Aviation Corp., Baltimore 4, Md.

ALBIN, FREDERICK G. (A'36), Dir., Tech. Operation, Ryder Sound Services, Inc., 1161 N. Vine St., Hollywood 38, Calif.

38, Callf.

ALBIN, JOSEPH F. (S'48-A'50-M'55), Electronics Engr.,
Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

ALBIN, NATHAN E. (A'5B), Sr. Engrg. Aide, Litton
Industries, 336 N. Foothill Dr., Beverly Hills, Callf.

ALBON, RALPH, JR. (S'53-A'54), Research Engr., P. R.

Mallory & Co., Inc., 11.257 Atlantic Ave., Lynwood 7, Callf.

ALBONE, NORMAN G. (M'59), Microwave Design Engr.,
Demomay-Bonardi, 780 S. Arroyo Pkwy., Pasadena,
Callf.

ALBRECHT, ALBERT P. (S'42-A'44-SM'48), Genl. Mgr., Space Electronics Corp., 1200 Airway, Glendale 1, Calif. ALBRECHT, CHARLES E. (SM'55), Supvr., Prod. Evaluation Sect., GE Co., 316 E. 9 St., Owensboro, Ky.

ALB- ALL - 71 -

- ALBRECHT, HAROLD W. (M'52-SM'57), Asst. Supt., Radio Transmission, Western Electric Co., 220 Church St., New York 13, N. Y.

 ALBRECHT, JOHN E. (S'57-A'5B), Sr. Elec. Inspector, Canadian Applied Research, 1500 O'Connor Dr., Toronto, Ont., Canada.
- Ont., Canada. ALBRECHT, JOHN F. (S'40-A'41), Electronics Liaison Engr., Lawrence Radiation Lab., Univ. of California, Berkeley 4, Calif.
- Derketey 4, Calif.

 ALBRECHT, WILLIAM (M'54), Industrial Sales Engr., Winteradio, Inc., 146B W. 25 St., Cleveland, Ohio.

 ALBRIGHT, ADELBERT L. (M'50), Operating Foreman (Power), Cities Service Refining Corp., Home: 1524 Dean St., Sulphur, La.
- ALBRIGHT, ALAN R. G. (M'44), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.
- ALBRIGHT, C. M., JR. (S'40-A'41-M'55), Staff Asst., Dev. Engrg. Div., Engrg. Dept., E. I. duPont de Nemours & Co., Inc., Wilmington 9B, Del.
- e to., inc., wilmington 9B, Del.

 ALBRIGHT, EUGENE L. (A '43-M'49), Owner, Albright's Electronic Service, 252 West St., Annapolis, Md.

 ALBRIGHT, JOHN D. (S'47-A'4B-M'52), Sr. Engr.,

 Westinghouse Elec. Corp., Friendship Internati. Airport,

 Baltimore, Md.
- Baltimore, Md.

 ALBRIGHT, LAVOND E. (A'55), Owner, Albright's Radio & Television Service, 1021 W. 3rd St., Dixon, III.

 ALBRIGHT, RICHARD K. (A'57), Tech. Assoc., Westinghouse Elec. Corp., Camp Meade Rd., Baltimore, Md.

 ALBRIGHT, ROBERT B. (A'31-SM'45), Consulting Engr., 8510 Widener Rd., Philadelphia 1B, Pa.

 ALBRIGHT, ROBERT E. (M'5B), Chief, Electronics Systems Branch, Air Proving Ground Command, ARDC, Eglin AFB, Fla.

- Fia.

 ALBRIGHT, WILLIAM G. (A'45-M'49-SM'53), Assoc. Prof., Elec. Engrg., Univ. of Illinois, Urbana, Ill.

 ALBRO, PAUL W. (A'53-M'53), Head, Fleld Engr., Ramo-Wooldridge Corp., 5500 El Segundo Ave., Hawthorne, Calif.

 ALCAIDE, H. DAVID (S'57-M'5B), Sr. Engr., Transsonics, Inc., Wheeler Rd., Burlington, Mass.

 ALCANTARA, ISADORE W. (M'5B), Electronics Engr., Magnavox Research Labs., 2131 Stoner Ave., Los Angeles 64, Calif.
- Angeles 64, Calif.
 ALCORN, CLIFFORD L. (SM'55), Asst. Lab. Mgr.,
 Stanford Research Institute, Menio Park, Calif.
 ALCORN, RICHARD C. (A¹55), Advertising Sales, McGrawHill, Publishing Co., Inc., 6B Post St., San Francisco,

- Callf.

 ALCOTT, E. HAROLD (A'53), Owner, Alcott Labs., BO-06
 237 St., Queens Village 27, L.I., N.Y.

 ALDE, ROBERT O. (A'54), Radio Engr., Dept. of Defense, Washington 25, D.C.

 ALDEN, EUGENE E. (A'42-M'45), Dir., Engrg., Indianapolis Broadcasstine, Inc., WIRE, 307 N.
 Pennsylvania St., Indianapolis 6, Ind.

 ALDEN, JOHN M. (A'52), V.P., Alden Prods. Co., 117 N.
 Maln St., Brockton, Mass., Pres., Alden Electronics & Impulse Recording Equipment Co., Westboro, Mass.

 ALDEN, RAYMOND M. (S'43-A'45-M'55), Chief Engr., Hawaiian Telephone Co., Box 2200, Honolulu 5, Mawaii.
- Hawalian Telephone Co., Box 2200, Annoulu 3, nawali. ALDERETE, CARLOS T. (A'55), Research Engr., Hughes Aircraft Co., Box 2097, Fullerton, Calif. ALDERMAN, EDWARD L. (S'54-M'56), Lt. Cmdr., USN, Asst. Repair Supt., Electronics, Charleston Naval Ship-yard, Charleston, S.C.

- yard, Charleston, S.C.

 ALDERMAN, JESSE M. (S'50-A'51-M'57), Electronics
 Engr., ARINC Research Corp., 1700 'K' St., N.W.,
 Washington 6, D.C.

 ALDERSON, ALLEN E. (S'56-M'5B), Jr. Engr., AC
 Spark Plug, Milwaukee 1, Wis.

 ALDERSON, R. CHARLES (S'43-A'44-M'55), Sr. Staff
 Engr., Minneapolis-Ploneywell Regulator Co., 2600
 Ridgeway Rd., Minneapolis 13, Minn.
- ALDERSON, WILLIAM S. (A'53-M'55-SM'55), Staff Asst. Engrg. Mgr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

- Alto, Calif.

 ALDRED, ELDON D. (M'59), Sr. Engr., P.R. Mallory & Co., Inc., 3029 E. Washington St., Indianapolis 6, Ind. ALDRICH, DONALD F. (M'53-SM'55), 1030 Hoffman St., Elmira, N.Y.

 ALDRICH, DOUGLAS H. (S'40-A'4B-M'55), Advisory Engr., IBM, Owego, N.Y.

 ALDRICH, FRED W., JR. (A'52-M'56), Mgr., Research & Dev., Technology Instrument Corp., 531 Main St., Acton. Mass.

- & Dev., Technology Instrument Corp., \$31 Main St., Acton, Mass.

 ALDRICH, JAMES L. (A'56), Tech. Writer-Editor, RCA Service Co., 4374 E. Speedway, Tucson, Ariz.

 ALDWINCKLE, JOSEPH G. V. (M'5B), Electronics Design Engr., Canadian Westinghouse Co., Ltd., Box 510, Hamilton, Ont., Canada.

 ALEIXO, ARTHUR (M'58), Mgr., Factory Prod., Bogue Electronic Mfg. Co., 52 lowa Ave., Paterson, N.J.

 ALEKSA, JOSEPH J. (M'59), Asst. Transmitter Supvr., Internal., Broadcasting Service, APO 98, San Francisco, Calif. ALEO, JOHN (A'49-M'55), Electronics Scientist, Wright Air Development Center, Wright-Patterson AFB, Ohio. ALESHIR, T. STEWART (M'56), Project Engr., Marquardt Aircraft, 16555 Saticoy St., Van Nuys, Calif. ALESSI, PATRICK A. (M'47), Pres., Anders Electric Prods., Inc., 50 Brook Rd., Needham Heights 94, Mass.

 ALESSI, VINCENT J. (S'50-A'51-M'56), Mgr., Mfg., Dlode/Rectifier Dept., Texas Instruments, Inc., 6000 Lemmon Ave., Dallar, Tex.

- Lemmon Ave., Dallas, Tex.

 ALESSIO, SERGIO A. (A'52-A'53), Elec. Engr., Bell
 & Gossett, Morton Grove, III.

 ALEX, DANIEL G. (M'57), Systems Engr., RCA Service
 Co., B38 N. Henry St., Alexandria, Va.

 ALEXANDER, ALLAN A. (A'47-M'55), Engr., AT&T Co.,
 195 Broadway, New York, N.Y.

 ALEXANDER, BEN (A'47-M'47), Lab. Dir., ITT Labs.,

 Nutley, N.J.

 ALEXANDER, BEN H. (SM'56), V.P.. Research & Dev..
- Nutley, N.J.

 ALEXANDER, BEN H. (SM'56), V.P., Research & Dev.,
 Paper Mate Mfg. Co., 16B1 26 St., Santa Monica, Calif.

- ALEXANDER, CHARLES S., JR. (A'55-M'58), Lt. Cmdr., USN, Asst. Electronics Officer, Staff-Commander Destroyer Force, U.S. Atlantic Fleet, Newport, R.I. ALEXANDER, DONALD C. (A'44-M'50-SM'59), Chief Engr., Surprenant Mfg Co., 172 Sterling St., Clinton, Mass.

- Mass.

 ALEXANDER, EDWIN J. (S'51-A'52-M'56), Mem. Tech.

 Staff, Bell Tel. Labs, Whippany, N.J.

 ALEXANDER, EUGENE M. (S'49-A'50-M'55), Engrg.

 Group Leader, Airborne Systems Dept., RCA, Camden, N.J.

 ALEXANDER, FRANK C. JR. (S'41-A'44-M'50-SM'54),

 Head, Electronics Lab., American Viscose Corp., Marcus

 Hook, Pa.

 ALEXANDER, EDED C. (A'45-CA'51)

- Hook, Pa.

 ALEXANDER, FRED C. (A'45-SM'51), Deputy Asst.
 Dir. for Telecommunication, Office of Civil & Defense
 Mobilization, Washington 25, D.C.
 ALEXANDER, HENRY R. (S'46-A'51-M'56), Elec.
 Engr., Institute for Defense Analyses, The Pentagon,
 Washington 25, D.C.
 ALEXANDER, HERBERT C. (M'55), Asst. Chief Engr.,
 Bomac Labs., Inc., Salem Rd., Beverly, Mass.
 ALEXANDER, J. EUGENE (S'51-A'53-M'53), Project
 Systems Engr., Martin Co., Orlando, Fla.
 ALEXANDER, J.AMES J. (S'50-A'52-), Hgrs. Sales Engr.,
 Westinghouse Elec. Corp., Elmira, N.Y.
 ALEXANDER, JAMES J. (S'50-M'59), Jr. Elec. Engr.,
 Electronic Associates, Inc., Long Branch Ave., Long
 Branch, N.J.

 ALEXANDER, JOHN A. JR. (S'56-A-MED)

- ALEXANDER, AMES M. IS-GN-M-97, S. Liect. Light.
 Electronic Associates, Inc., Long Branch Ave., Long
 Branch, N.J.
 ALEXANDER, JOHN A., JR. (S'54-M'5B), Electronics
 Scientist, US Naval Research Lab., Washington 25, D.C.
 ALEXANDER, L. DEAN (A'55), Designer, Electronic
 Associates, Inc., Long Branch, N.J.
 ALEXANDER, LEE K. (A'55), Consultant, Defense Planning,
 GE Co., 425 13 St., N.W., Washington 4, D.C.
 ALEXANDER, LEE K. (A'55), Consultant, Defense Planning,
 GE Co., 425 13 St., N.W., Washington 4, D.C.
 ALEXANDER, LEG K. A. (B'55), Possible St., Cornell Dubilier Electric Corp., South Plainfield, N.J.
 ALEXANDER, NATTHEW A. (M'53), V.P., Engra.,
 Digluron, Inc., 1931 Pontius Ave., Los Angeles 49, Calif.
 ALEXANDER, NELSON E. (SM'56), Project Engr., Tech.
 Engrg. Div., Ft. Devitck, Frederick, Md.
 ALEXANDER, NORMAN W. (M'56), Pres., The Redford
 Corp., Box 1067, Schenectady, N.Y.
 ALEXANDER, NORMAN W. (M'56), Pres., The Redford
 Corp., Son 1067, Schenectady, N.Y.
 ALEXANDER, ROBERT B. (SM'56), Asst. Dir., Bell
 System Exec. Conference, A'8.T Co., 195 Broadway,
 New York 7, N.Y.
 ALEXANDER, ROBERT B. (SM'56), Asst. Dir., Bell
 System Exec. Conference, A'8.T Co., 195 Broadway,
 New York 7, N.Y.
 ALEXANDER, ROBERT B. (SM'56), Asst. Dir., Chief,
 Communications Sciences Lab., Air Force Cambridge
 Research Center, Bedford, Mass.
 ALEXANDER, SAMUEL B. (A'46-M'54), Sr. Engr.,
 Emerson Radio & Phonograph Corp., 14 & Coles St.,
 Jersey City, N.J.
 ALEXANDER, SAMUEL B. (A'46-M'55)-SM'55-F'56),
 Chief, Data Processing Systems Division, Natl. Bureau
 of Standards, Dept. of Commerce, Washington 25, D.-C.
 ALEXANDER, WARREN A. (A'53-M'58), Research Assoc.,
 Jersey Production Research Co., 1133 N. Lewky, Tulsa 12,
 Jersey Production Research Co., 1133 N. Lewky, Tulsa 12,
 Jersey City, J.J.
 Jersey City, M.J.
 ALEXANDER, ROBERT B. (EM'55), MSSh), Research Assoc.,
 Jersey Production Research Co., 1133 N. Lewky, Tulsa 12,
 Jersey Production Research Co., Lewky, Tulsa 12,

- ALEXANDER, WARREN A. (A'53-M'5B), Research Assoc., Jersey Production Research Co., 1133 N. Lewis, Tulsa 12, Okla.

- Okla.

 ALEXANDER, WENDELL L. (M'57), Design Engr., Collins Radio Co., 2700 W. Olive, Burbank, Calif.

 ALEXANDER, WILLIAM (S'56-M'57), Elec. Engr., Emerson Electric Mig. Co., Bl.00 W. Florissam Ave., St. Louis, Mo.

 ALEXANDER, WILLIAM G. (SM'53), Chlef Engr., Stromberg-Carlson Co., 1895 Hancock, San Diego 12, Calif. ALEXANDER, WILLIAM R. (A'52), Electronics Engr., IRM-MDS-EM, White Sands Missile Range, N.M.
- IRM-MDS-EM, White Sands Missile Range, N.M. ALEXANDER, WILLIAM R. (M'56), Reliability Engr., RCA, Moorestown, N.J. ALEXANDERSON, ERNSTF. W. (A'13-M'14-F'15)(L), Consultant, RCA, 1132 Adams Rd., Schenectady, N.Y. ALEXANDRO, FRANKJ., JR. (S'55-M'57), Elec. Engr., Ford Instrument Co., 30-10 41 Ave., Long Island City 1,
- N.Y.

 ALEXY, M. RAYMOND (SM'57), Mech. Engr., RCA,
 Camden, N.J.

 ALFANO, WILLIAM A., JR. (S'56-M'59), Electronics
 Engr., Convair-Astronautics, Box 112B, San Diego 12,
 Calif.

- Calif.

 ALFF, WILLIAM H. (S'49-A'51-M'56), Sr. Scientist, IR
 Systems, Lockheed Missies & Space Div., 3251 Hanover
 Rd., Palo Alto, Calif.
 ALFIE, CONRAD L. (A'45-M'52-SM'58), Weapon Systems
 ECM Project Engr., AF Missile Development Center, Box
 661, Holloman AFB, N.M.
 ALFIERI, GERALD J. (A'54), Engr., Spery Gyroscope
 Co., Great Neck, L.I., N.Y.
 ALFORD, ANDREW (A'35-M'40-F'42), Owner, Andrew
 Alford Consulting Engrs., 299 Atlantic Ave., Boston 10,
 Mass.
- ALFORD , ARTHUR R. (A'57), Service Engr., Fairchild Graphic Equipment , Inc., Fairchild Dr., Plainview , L.I., N.Y.

- N.Y.

 ALFORD, CHARLES H., JR. (S'57-M'58), Electronics
 Research Engr., Lockheed Aircraft Corp., Missile Systems
 Div., Sunnyvale, Calif.

 ALFORD, JACK R. (S'55-M'59), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 ALFORD, WILLIAM H. (A'55), Sr. Project Engr., Firestone
 Tire & Rubber Co., 2525 Firestone Blvd., Los Angeles 54,
 Calif.

 ALFORD
- Calif.

 ALFRED, LESLIE J. (SM'57), Information Officer,
 Lenkurt Electric Co. of Canada, Ltd., Lougheed Hwy.,
 North Burnaby, B.C., Canada.

 ALFREY, PAUL R. (S'55-M'57), Engr., Autonetics Div.,
 No. Amer. Aviation, Downey, Calif.

 ALFVEN, HANNES O. G. (SM'55), Prof., Dept. of Electronics, Royal Institute of Technology, Stockholm 70,
 Sweden.

- Sweden.

 ALGASE, LAWRENCE I. (S'4B-A'52-M'54-SM'57),
 Chlef Fngr., Instruments for Industry, Inc., 150 Glen
 Cove Rd., Mineola, L.I., N.Y.

 ALGEO, BRADLEY C., JR. (SM'53), Head, Special Projects
 Sect., Radio Div., U.S. Naval Air Development Center,
 Johnsville, Pa.
- ALGEO, JOHN J. (A'5B), 146 N. Chestnut St., North Massapequa, L.I., N.Y.

- ALGER, PRENTISS B. (A'42-M'56), Mingt. Analyst., Code MACRS, Comptroller, Olmsted AFB, Middletown, Pa.

- Pa.

 ALGOR, MARSHALL M. (S'39-A'41-M'55), Project Engr., Electronics Scientist, Diamond Ordance Fuze Labs., Washington 25, D.C.

 ALGOTSSON, LARS (A'5B), Svenska Elektriska Komm., Stockholm 16, Sweden.

 ALIFF, JAMES R. (S'57-M'59), Engrg. Trainee, Unlon Carbide Chemicals Corp., South Charleston, W. Va.

 ALIMANSKY, MARK (S'5B-M'59), Engr., GE Co., Syracuse, N.Y.

 ALIMPICH, NICHOLAS (M'57), Sr. Engr., Michigan Bell Tel. Co., 1365 Cass Ave., Detrolit 26, Mich.

 ALINSKY, JOSEPH W. (A'41-SM'54), Chief Engr., DAGE Television Div., Thompson Prods., Inc., W. 10 St., Michigan City, Ind.

 ALKER, CHARLES A. (A'46), Retired, Box 205, 454 1st

- Michigan City, Ind.

 ALKER, CHARLES A. (A'46), Retired, Box 205, 454 1st St., Fillmore, Calif.

 ALLABACK, WILBUR (A'57), Tech. Writer, Field Service Div., Redstone Arsenal, Ala.

 ALLAN, RICHARD E. (M'58), 4332 Livingston Ave., Dallax 5, Tex.

 ALLAN, WILLIAM K. (A'44-M'56), Instr., Electronics, Calgary, School Board Home: 2025 29 Ave., S.W., Calgary, Alta., Canada.
- Calgary, Alta., Canada.

 ALLARD, EDMOND L. (M'5B), V.P. & Geni. Mgr., Granite State Machine Co., Inc., 124 Joliette St., Manchester, N.H. ALLARD, GERARD A. (M'54), Engr., GE Co., 13430

 Black Canyon Hwy., Phoenix, Arlz.

 ALLARD, LIONEL C., JR. (A'53-M'5B), Chief, Intelligence Sect., Aera-Elestranies Directorate, Air Research & Dev. Command, USAF, Andrews AFB, Md. ALLBRIGHT, BURNARD D. (M'57), Electronics Engr., FAA, Aeronautical Center, Will Rogers Field, Oklahoma City, Okla.

- City, Okla.
 ALLDER, JAMES R. (M'59), Asst. Prof., Univ. of
 California, Los Angeles 24, Calif.
 ALLDREDGE, LEROY R. (M'46), Operation Analyst,
 Operations Research Office, The Johns Hopkins Univ.,
 Bethesda, Md.
- Bethesda, Md.

 ALLEE, RUSSELL V. (S'57-M'5B), Elec. Engr., Hoffman Labs., 3717 S. Grand, Los Angeles, Calif.

 ALLEGRI, GIOVANNI A. (A'56), 1st Lt., Engrq. Corps of Italian Air Force, Air Weather Service, Servizio Meteo Aeronautica, Rome E.V.R., Italy.

 ALLEN, ALFORD E. (A'55), Dev. Engr., GE Co.,
- Syzacuse, N.Y.

 Syzacuse, N.Y.

- Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.

 ALLEN, BENJAMIN G. (A'45), Mgr., Associated Engrg. Co., Box 151, Mar Vista, Calif.
 ALLEN, BOBBY O. (S'51-A'54), Project Engr., Sandia Corp., Sandie Base, Albuquerque, N.M.

 ALLEN, C. DALE (A'51-M'56), Design Engr., TV Transmitters, RCA, Camden, N.J.

 ALLEN, CARROL M. (S'56-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 ALLEN, CHARLES A. (A'49-M'56), Tr. Test Engr., Convair, Ft. Worth, Tex.

 ALLEN, CHARLES A. (S'56-M'57), Assoc. Engr., Magnetic Device Dev., IBM, Pounkeepsie, N.Y.

 ALLEN, CHARLES C. (S'47-A'51-SM'55), Microwave Engr., GE Co., Schenectady, N.Y.

 ALLEN, DANIEL C. (A'57), Elec. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 ALLEN, DAVID J. (S'57-A'58), Electronics Technician, Transitron Electronics Corp., 16B Albion St., Wakefield, Mass.

 ALLEN, DAVID P. (M'57), Engr., Ohio Bell Tel. Co., 750

- Mass.
 ALLEN, DAVID P. (M'57), Engr., Ohio Bell Tel. Co., 750
 Huron Rd., Cleveland 15, Ohio.
 ALLEN, DONALD F. (A'53-M'5B), Sr. Engr., National Co.,
 Inc., 37 Washinaton St., Meirose 76. Mass.
 ALLEN, DONALD F. (M'59), Ampex Cop., 934 Charter St.,
 Redwood City, Calif.
 ALLEN, DONN A. (S'56-M'59), Staff Engr., ElectroOptical Systems, 170 N. Dalsy, Pasadena, Calif.
 ALLEN, DOROTHY A. (A'56), Librarian, Melpar, Inc.,
 3000 Arlington Blvd., Falls Church, Va.
 ALLEN, DOUGLAS E. M. (S'52-A'53-M'5B), Engr., RCA
 Victor Co., Lut., 1050 Lacasse St., Montreal, P.Q.,
 Canada.
 ALLEN, EDWARD H. (MED)

- Victor Co., Lin., 1030 Leavass et., whitekey, Yes, Canada.

 ALLEN, EDWARD H. (M'59), Electronics Engr., Raytheon Mfg. Co., Wayland, Mass.

 ALLEN, EDWARD W., JR. (M'44-F'53), Chief Engr., FCC, 13 St. & Pennsylvania Ave., Washington 25, D. C.

 ALLEN, F. KEMPTON (S'51-A'53-M'57), Project Engr., 1BM, San Jose, Calif.

 ALLEN, F. W. (A'44), Radio Engr., U.S. Govt., Wright-Patterson AFB, Ohio.

 ALLEN, FLOYD W. (M'56), Antenna Research Engr., Lockheed Aircraft Corp., Box 551, Burbank, Calif.

 ALLEN, FRANK W. (SM'5B), Group Leader, Electronics Engrg., No. Amer. Avalation, Internati. Airport, Los Angeles 45, Calif.

 ALLEN, FREDERICK C. (A'53-M'55), Electronics Engr.,
- Angeles 45, Callí
 ALLEN, FREDERICK C. (A'53-M'55), Electronics Engr.,
 Packard Bell Electronics Corp., 12333 W. Olympic Blvd.,
 Los Angeles 64, Callí
 ALLEN, GEORGE W. (A'51-M'56), Asst. Mgr., Mfg.
 Engr., IBM, Endicott, N.Y.

- ALLEN, GEORGE W. (A'51-M'56), Asst. Mgr., M19. Engr., IBM, Endicott, N.Y.
 ALLEN, GEORGE W. (M'57), Project Engr., IBM, Kingston, N.Y.
 ALLEN, GEORGE W. (M'5B), Test Equipment Engr., IBM, Poughkeepsie, N.Y.
 ALLEN, GLOY (A'53), Airways Operation Specialist, FAA, Box 2642B, New Orleans, La.
 ALLEN, GLY P. (A'56), Electronics Analyst, U.S. Navy Shipbuliding Scheduling Activity, Bidg. 712, U.S. Naval Shipyard, Philadelphia, Pa.
 ALLEN, HAROLD A. (A'5B), Electronics Engr., Genl. Telephone Labs., Inc., Box 17, Northiake, III.
 ALLEN, HARRY E. (SM'57), Mgr., Govt. Prods., Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 3B, III.
 ALLEN, HUGH E. (A'23-M'31-SM-43), Owner & Genl. Mgr., Allen Electronics Co., 960 Henhawk Rd., Baldwin, L.I., N.Y.
 ALLEN, JACK K. (C'52-A'53-M'5B), Sr. Project Engr.,
- L.I., N.Y. ALLEN, JACK K. (S'52-A'53-M'5B), Sr. Project Engr., AC Spark Plug, 1925 E. Kennilworth PI., Milwaukee 2,

- ALLEN, JAMES B. (M¹59), Staff Mem., Dow Coming Corp., Midland, Mich.
 ALLEN, JAMES E. (S¹49-A¹51-M¹55), Supvy. Engr., Westinghouse Elec. Corp., Box 746, Baltimore, Md.
 ALLEN, JAMES G. (A¹2B-M³31-SM¹43), Engr., Duquesne Light Co., 435 6 Ave., Pittsburgh 19, Pa.
 ALLEN, JAMES R. (A¹48-M¹55), Mor., Prod. Dev., Electronics Div., U.S. Chemical Milling Corp., 1700 Rosecrans Ave., Manhattan Beach, Calif.

1700 Rosecrans Ave., Manhattan Beach, Calif.
ALLEN, JAMES S. (S'56-A'57), Electronics Technician,
Magnavox Co., 1503 Main St., Urbana, III.
ALLEN, JAMES W. (A'45-SM'52), Sr. Electronics Engr.,
Convair, Pomona, Calif.
ALLEN, JERRY J. (A'56), Area Rep., Seismograph Service
Copp., 6200 E. 41 St., Tulsa, Okla.
ALLEN, JOHN E. (S'44-A'47-M'51-SM'52), Engr., GE
Co., Syracuse 1, N.Y.

Co., Syracuse 1, N.Y.
ALLEN, JOHN H. (A'4B-M'55-SM'5B), Capt., USN, Dir.,
Electronics Div., Bureau of Ships, Washington, D.C.
ALLEN, JOHN J. (M'56), Engr., GE Co., 100 Plastics
Ave., Pittsfield, Mass.

Ave., Pittsfield, Mass.
ALLEN, JOHN K. (A'53-M'57), Engr., Sylvania Elec.
Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.
ALLEN, JOHN L. (S'55-M'57), Staff Mem., MiT Lincoln
Lab., Lexington 73, Mass.
ALLEN, JOHN W. (A'52-M'57), Engr., Sylvania Elec.
Prods., Inc., Mt. Pleasant St., Burlington, Iowa.
ALLEN, JOSEPH A. (A'50-M'55), Electronics Engr.,
U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

Prods., Inc., Mt. Pleasant St., Burlington, Iowa.
ALLEN, JOSEPH A. (A'50-M'55), Electronics Engr.,
U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
ALLEN, KENNETH D. (A'5B), Sr. Sales Engr., Burroughs
Corp., Detroit, Mich.
ALLEN, KENNETH J. (A'53-M'5B), Sr. Engr., Cook
Research Lab., 6401 Oakton, Morton Grove, III.
ALLEN, LAWRENCE G. (A'5B), Supvr., IBM, 1423
Tremont, Galveston, Tex.
ALLEN, LELAND J. (M'56), Staff Mem., Sandia Corp.,
Sandia Base, Albuquerque, N.M.
ALLEN, LESLIES, CS. (S'6-M'57), Assoc. Research Engr.,
'A', Boeing Airplane Co., 3801 S. Oliver, Wichita, Kan.
ALLEN, LESTER W. (M'56), Project Engr., Lab. for
Electronics, 75 Pitts St., Boston 14, Mass.
ALLEN, MARTIN A. (M'5B), Mem. Tech. Staff, RamoWooldridge Corp., Oenver, Colo.
ALLEN, MARTIN A. (A'56), Owner, Allen's Service Co.,
4B Stephenville Bivd., Middletown, N.J.
ALLEN, MERVIN H. (A'49-M'55), Dev. Engr., Arma Div.,
American Bosch Arma Corp., Garden City, L.I., N.Y.
ALLEN, MERRILL B. (S'49-A'51-M'56), Electronics
Engr., Trainer Corp. of America, 1255 Niagara St.,
Buffalo 13, N.Y.
ALLEN, MERVYN M. (A'56), Instr., Burroughs Corp.,
511 N. Broad St., Philadelphia 23, Pa.
ALLEN, MYRON B. (S'57-M'59), Dev. Engr., Coillins
Radio Co., 1200 N. Alma Rd., Richardson, Tex.
ALLEN, PHILIP J. (SM'57), Sect. Head, Tracking Radar
Branch, Naval Research Lab., Washington 25, D.C.
ALLEN, PHILIP S. (S'56-M'59), Electronics Engr.,
Signal Div., Hgrs., U.S. Army, Europe, APO 403,
New York, N.Y.
ALLEN, RCHARD E. (M'57), Sr. Physicist, Corning
Glass Works, Corning, N.Y.
ALLEN, RICHARD E. (M'57), Sr. Physicist, Corning
Glass Works, Corning, N.Y.
ALLEN, RICHARD E. (M'57), Fign., Cook Research
Labs., 612 W. 115 St., New York 25, N.Y.
ALLEN, ROBERT E. (S'57-M'57), Engr., Specialist,
Control & Oata-Handling Systems, Atomics Internal.,
Box 307, Canada.
ALLEN, ROBERT E. (S'53-A'54), Pind. Engr., Splvania
Elec. Prods., Inc., Seneca Falls, N.Y.
ALLEN, ROBERT E. (S'55-M'59), Designer 'A', Boeing Airplane
Co., Seatle, Wash.

Box 309, Canoga Park, Calif.

ALLEN, ROBERT W. (M'59), Designer 'A', Boelng Airplane Co., Seattle, Wash.

ALLEN, ROGER E. (M'5B), Microwave Component Engrg., 1TT Labs., 3700 E. Pontiac, Ft. Wayne, Ind.

ALLEN, ROLAND M. (A'45), Electronics Research Asst. Engr., Hughes Aircraft Co., Culver City, Calif.

ALLEN, ROYDEN F. (M'57), Staff Electronics Scientist, Rome Air Development Center, Griffiss AFB, N.Y.

ALLEN, RUFUS, JR. (M'5B), Aerophysics Engr., Convair, Ft. Worth, Tex.

ALLEN, STAMUEL D. (S'54-M'57), Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa.

ALLEN, STANLEY E. (M'5B), Asst. Chief Engr., Caledonia Electronics & Trans. Corp., Caledonia N.Y.

ALLEN, STANLEY E., JR. (S'52-A'55-M'57), Dev. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

Alto, Calif.

ALLEN, THEODORE E. (SM'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

ALLEN, THEODOREL...JR. (S'42-A'45-M'51), Mgr., Magnetometer Prod. Dev. Dept., Varlan Associates, 611 Hansen Way, Palo Alto, Calif.

ALLEN, THOMAS J., JR. (A'59), Assoc. Engr., Boeing Airplane Co., c/o MITRE Corp., Box BB, Lexington 73, Mass.

ALLEN, THOMAS P. (SM'55), Prof., Light Elec. Engrg., c/o The Library, Queen's Univ., Belfast, Northern Ireland.

ALLEN, URIAH L., JR. (M'55), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore, Md.

ALLEN, VICTOR H. (M'59), Asst. Research Officer, Atomic Energy of Canada, Ltd., Chalk River, Ont., Canada.

ALLEN, W. MORGAN (SM'5B), Toll Service Transmission Engr., The Pacific Telephone & Telegraph Co., Portland, Ore.

ALLEN, WALTER L. (S'49-A'51-M'56), Project Mgr., Hughes Aircraft Co., Box 45426, Airport Sta., Los Angeles 45, Calif.

ALLEN, WILFRED S. (A'53), Inspection Specialist, Redstone Arsenal, Huntsville, Ala. ALLEN, WILLIAM, JR. (M'53), Assoc. Engr., Scripps Institution of Oceanography, Marine Physical Lab., San Dlego 52, Calif.

- 72 -

Institution of Uceanography, Marine Physical Lab., San Diego 52, Calif.

ALLEN, WILLIAM S. (SM'46), Sr. Exec., W. J. Whittall & Son, Ltd., Lancaster St., Birmingham 4, England.

ALLEN, WINFIELD T. (A'45-M'55), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

ALLER, JAMES C. (A'53), Cmdr., USN, DIr., Range Dev., Pacific Missile Range, Bureau of Aeronautics, Navy Dept., Washington, D.C.

ALLERTON, GEORGE L. (A'44-SM'53), Engr., Western Electric Co., 555 Union Bivd., Allentown, Pa.

ALLEY, CHARLES L. (SM'5B), Asst. Prof., Elec. Engr. Dept., Univ. of Utah, Salt Lake City, Utah.

ALLEY, AMES W. (M'55), Tech. Dir., RIAS, Kufsteiner 69, Berlin, Germany.

ALLEY, PAUL D. (A'53-M'57), Chief Engr., Capacitor Dept., Semi-Conductor Div., Texas Instruments, Inc., Box 312, 13500 Central Expressway, Dallas, Tex.

ALLEY, REUBEN E., JR. (S'47-A'49-M'55), Mem. Tech.

Box 312, 13500 Central Expressway, Dallas, Tex.

ALLEY, REUBEN E., JR. (S'47-A'49-M'55), Mem. Tech.
Staff, Beil Tel. Labs., Whippany, N.J.

ALLEY, ROBERT P. (S'47-A'49-M'55), Engr., GE Co.,
Box 913, Bloomington, Ill.

ALLEY, WILTON D. (S'49-A'50), Sr. Engr., Philco
Comp., Fablan Way, Palo Alto, Calif.

ALLGAIER, JACK R. (A'57), Electronics Technician, IBM,
99 Notre Dame, San Jose, Calif.

ALLGAIER, WILLIAM A. (SM'5B), Sr. Engr., Sylvania
Elec. Prods., Inc., Emporlum, Pa.

ALLGAIER, WILLIAM A. (SM'5B), Sr. Engr., Sylvania
Elec. Prods., Inc., Emporlum, Pa.

ALLGAIER, GLEN O. (A'54), Administrative Engr.,
Litton Industries, Inc., 336 N., Foothill Rd., Beverly
Hills, Calif.

ALLIBONE, FORREST L. (A'54-M'5B), 3445 N., Hamlin

Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.

ALLIBONE, FORREST L. (4'54-M'5B), 3445 N. Hamlin Ave., Chicago IB, III.

ALLINDER, RICHARD H. (S'53-M'56), Asst. Project Engr., Bendix Radio Communications, Towson 4, Md. ALLINGTON, ROBERT W. (S'56-M'5B), Jr. Engr., Magnavox Co., Urbana, III.

ALLINSON, MARTIN V. (A'5B), Instr., Provincial Institute of Technology & Art, Calgary, Alta., Canada.

ALLIOT, ERIC, JR. (3'46-A'49-M'55), Principal Engr. for Passive Networks, Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 3B, III.

ALLISON, CHARLES H. (A'56), TechRep., Hughes Aircraft Co., Culver City, Calif.

ALLISON, DAVID F. (M'5B), Project Engr., Fairchild Semiconductor Co., B44 Charleston, Palo Alto, Calif. ALLISON, DONALD M., JR. (A'44-M'55-SM'56), Mgr., Govt. Prods., Bendix Radio Div., Towson 4, Md. ALLISON, DUANE B. (A'4B-M'55), Chief Engr., KHAS-TV, Hastings, Neb.

Hastings, Neb. ALLISON, GAYLORD D. (M'56), Elec. Engr., Texas instruments, Inc., 6000 Lemmon Ave., Oalias 9, Tex. ALLISON, GORDON R. (A'56), Fleid Engr., Tektronix, Inc., 701 Welch Rd., Palo Alto, Calif. ALLISON, JAMES E. (S'54-M'5B), Engr., Instrument Dev., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

Calli.

ALLISON, NATHAN B. (A'51-M'57), Prof., Elec. Engrg., Univ. of Kentucky, Lexington, Ky.

ALLISON, RALPH E. (A'41-SM'45), Pres., Allison Labs., 141B5 Skyline Dr., La Puente, Calif.

ALLISON, ROY F. (M'54), Asst. to Pres., Acoustic Research, Inc., 24 Thorndike St., Cambridge 41, Mass.

ALLISON, ROY W. (S'57-M'5B), Asst. to Supvr., Communications & Testing, B.C. Electric Co., Ltd., Vancouver, B.C., Canada.

ALLISON, WILLIAM M. (A'41-SM'53), Tech. Advisor to Field Engrg. Oept., Sprague Electric Co., North Adams, Mass.

Mass.
ALLMAN, OONALD L. (S'53-M'55), Engr., Airborne
Electronics, Douglas Aircraft Co., Cape Canaveral, Fia.
ALLMAN, FREDERICK L. (A'35-VA'39), Pres., WSVA &
WSVA-FM, Harrisonburg, Va.; WSIR, Winter Haven, Fia.;
V.P., WAAM-TV, Baltimore, Md.
ALLMANDINGER, EARL F. (SM'57), Electronics Systems
Engr. "A", Lockheed Aircraft Corp., Box 551, Burbank,
Calif.

Calif.
ALLRED, C. McKAY (A'4B-M'55), Electronics Scientist,
Supvr., Natl. Bureau of Standards, Boulder, Colo.
ALLRED, RALPHR. (M'56), Asst. Engr., Elec. Test
Planning, Western Electric Co., Greensboro, N.C.
ALLS, C. RAYMOND (S'52-A'54-M'59), Sect. Supvr.,
Sandla Corp., Sandla Base, Albuquerque, N.M.
ALLSOPP, WILLIAM C., JR. (S'56-A'59), Owner, Mgr.,
Arkansa Industrial Electronics Co., 7609 Apache Rd.,
Little Rock, Ark.

Little Rock, Ark.

ALLTREE, RONALO C. (A'56), Oraftsman Fieldman,
British Columbia Engrg. Co., 570 Dunsmulr St.,
Vancouver, B. C., Canada.

ALLURED, ROBERT B. (S'45-A'46-SM'50), Sr.
Project Engr., GMC, Process Dev. Sect., Box 12B
Detroit 2, Mich.

ALMA, GERRIT H. P. (SM'55), Asst. Dir., Electronic
Tube Div., Phillips Industries, Eindhoven, Holland.
ALMAN, JAMES (A'53-M'5B), Staff Consultant, Remlington
Rand Univac, St. Paul, Minn.

ALMAND, A.F., JACK (A'5B), Engrg. Filght Test Instrumentation Mechanic, Lockheed Aircraft Corp., S. Cobb
Dr., Marietta, Ga.

ALMAS, STANLEY L. (M'47), Pres., Hi Fi Studios. Inc..

ALMAS, STANLEY L. (M'47), Pres., Hi FI Studios, Inc., Fenkell 3B, Mich.

ALMAS, STANLEY L. (M'4/), Pres., HIF1 Studios, Inc., Fenkell 3B, Mich.
ALMOND, JAMES A. (S'57-M'59), Assoc. Engr., Sperry Faragut Co., Bristol, Tenn.
ALMOND, WILLIAM R. (A'53-M'59), Research Engr., Hamilton Watch Co., Columbia Ave., Lancaster, Pa.
ALMQUIST, JOHN F. (A'57), Jr. Engr., Rixon Electronics Inc., 2414 Reedle Or., Silver Spring, Md.
ALMQUIST, MILTON L. (A'43-SM'53-F'5B), Oir., Systems Engrg., Bell Tel. Labs., Murray Hill, N.J.
ALMQUIST, MILTON L., JR. (S'54-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
ALMQUIST, MILTON L., JR. (S'55-M'56), Electronics Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.
ALONSO, RAMON L. (A'55), Research Engr., MIT, Instrumentation Lab., Cambridge 39, Mass.

ALPER, ROBERT (M'59), Tech. Publications Group Supvr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.
ALPER, SIMEN M. (S'53-M'56), Research Engr., No. Amer. Avlation, Downey, Calif.
ALPERIN, NATHAN E. (S'55-M'57), Systems Engr., Genl. Precision Lab., Inc., 342 Lexington Ave., Mt. Kisco, N.Y.

ALPERIN, NORMAN I. (M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. ALPERIN, NORMAN N. (S'52-A'53-M'5B), Elec. Engr., RCA, Moorestown, N. J.

ALPERT, DAVID (S'52-A'53-M'56), Design Engr., RCA, Camden 2, N.J.

Canden 2, N.J.

ALPERT, EDWARD (S'4B-A'49-M'55), Project Engr.,
Raytheon Mg. Co., Wayland, Mass.

ALPERT, ISRAEL S. (S'53-A'54), Design Engr., Bendix
Radio Div., Towson, Md.

ALPERT, NORMAN (SM'57), Chief Electronics Engr.,
Bulova Research & Development Labs., Inc., 62-10

Woodside Ave., Woodside 77, L.I., N.Y.

ALPERT, WILLIAM I. (M'56), Instr., Milwaukee School of
Engrg., 1025 N. Milwaukee St., Milwaukee, Wis.

ALPHENAAR, ARTHUR W. (M'59), Engr., StrombergCarlson Co., Rochester 3, N.Y.

ALPHONSE, GERARD A. (S'56-M'59), New York Univ. B.

Carlson Co., Rochester 3, N.V.
ALPHONSE, GERARD A. (S'56-M'59), New York Univ., Box
152, University Heights, New York 53, N.Y.
ALPINE, PAUL E. (SM'56), Sect. Engr., Lockheed Missile
Systems Div., Van Nuys, Calif.
ALPS, RALPH B. (S'56-M'58), Elec. Engr., U.S. Bureau
of Reclamation, Coulee Dam, Wash.
ALRICH, JOHN C. (A'50-M'55), Mgr., Engrg. Dept.,
Consolidated Systems Corp., 1500 S. Shamrock Ave.,
Monrovia, Calif.

Monrovia, Calif.

AL-RUBAYI, NOURIDDIN A. (M'57), Chief Elec. Engr., Iran Republic Railways, Baghidad, Iran.

ALSBERG, DIETRICH A. (A'46-M'48-SM'52), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

ALSBERG, HAROLD (A'57), Chief Engr., Ram Electronics, 600 Industrial Ave., Paramus, N.J.

ALSOP, JAMES W. (A'56), 414 Morrison Rd., Oakville, Ont., Canada.

ALSPAUGH, KENNETH E. (A'56), Broadcast Studio Engr., WMBI, Moody Bible Institute, Chicago 10, III.

ALSTAD, NORMAN J. (A'44-M'55), Head, Applications Engrs., Microwave & Power Tube Div., Raytheon Mfg. Co., Waitham, Mass.

Waltham, Mass.
ALSTER, STEPHEN D. (S'55-A'59), Jr. Engr., Stabilized Electric, 1471 Carroll St., Brooklyn, N.Y.
ALTAMURO, FRANK V. (S'56-A'5B), Tech. Aide, Bell Tel. Labs., Whippany, N.J.
ALTEMUS, WILLIAM C. (A'52-M'57), Project Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

Pa.
ALTENBACH, RUDI K. (M'59), Project Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P.Q., Canada. ALTENPOHL, DIETRICH (M'53), Head, Operational Research Aluminium Foils, Inc., Jackson, Tenn.
ALTER, ALBERT R. (A'43-SM'49), Engr., RCA, Camden 2, N.J.
ALTER, ALLAN C. (M'53-SM'54), Leader, Engrg. Systems Projects, RCA, Camden, N.J.
ALTER, JOHN E. (S'55-M'57), Oiv. Communications Engr., Pan American World Airways, LAD, Box B17, MIAD, Miami 4B, Fila.

ALTERMAN, MICHAEL E. (S'56-M'5B), Instrumentation Engr., Lockheed Missile Systems Div., Sunnyvale, Calif.

N.Y.
ALTHAUS, EDWARD J. (A'54), Mem. Tech. Staff, Systems Oev. Labs., Hughes Aircraft Co., Culver City, Calif.
ALTHOFF, PAUL C. (A'51-M'56), Maint. Engr., Hanford Atomic Prods. Operation, Richland, Wash.
ALTHOUSE, JAMES M. (A'49-SM'54), Tech. Consultant, Wright Air Development Center, WCLCE, Wright-Patterson AFB, Ohio.

ALTHOUSE, JOHN E. (S'49-A'52-M'55), Sr. Engr., Cubic Corp., 5575 Kearney Villa Rd., San Diego 11, Calif. ALTIERI, JOSEPH R. (S'48-A'50-M'55), Sr. Engr., Litton Industries, Inc., 215 S. Fulton Ave., Mt. Vernon, N.Y.

Litton industries, inc., 215 S. Fulton Ave., Mt. Vernon, N.Y.

ALTMAN, DANIEL E. (S'49-A'51-M'56), Physicist, USN Electronics Lab., San Oiego 52, Calif.

ALTMAN, DAVIO (A'46), Computer Facilities (P-3B), Sperry Gyroscope Co., Great Neck, L.I., N.Y.

ALTMAN, FREDERICK J. (A'36-A'40-M'47-SM'56), Sr. Project Engr., ITT Labs., Nutley 10, N.J.

ALTMAN, GERALD G. (M'56), Sr. Project Staff Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. ALTMAN, HARRY (S'50-A'51-M'5B), Exec. Engr., ITT Labs., Nutley 10, N.J.

ALTMAN, JEROME L. (A'54), Staff Engr., Raytheon Mfg. Co., Wayland, Mass.

ALTMAN, NORMAN G. (S'49-A'50-M'57), Industrial System Engrg. Mgr., EPSCO, Inc., 5BB Commonwealth, Boston, Mass.

ALTMAN, ROBERT B. (A'56), Tech. Writer, Belock Instru-

ton, Mass.

ALTMAN, ROBERT B. (A'56), Tech. Writer, Belock Instrument Co., 111-01 14 Ave., College Point, L.I., N.Y.

ALTMAN, SEYMOUR S. (S'43-A'46-M'53), Supvry, Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

ALTMANN, SIEGBERT (A'49), Electronics Engr., Ideal Toy

Corp., 184-10 Jamaica Ave., Hollis 7, L.I., N.Y.

ALTMAYER, FORTUNATA V. (M'59), Sr. Engr., American

Bosch Arma Corp., Garden City, L.I., N.Y.

ALTOMARE, ROBERT E. (A'42-M'47), Tech. Consultant,

Residence School, Capitol Radio Engrg. Institute, 3224 16

St., N.W., Washington 10, D.C.

ALTOMARE, VINCENT A. (S'52-A'55), Sales Engr., Ray-

ALTOMARE, VINCENT A. (S'52-A'55), Sales Engr., Ray-theon Mig. Co., 589 5 Ave., New York, N.Y. ALTON, BERT D., JR. (M'5B), Electronics Engr., Raytheon Mig. Co., Oxmard, Callif.

- ALTON, EVERETT D. (S'55-M'56), Asst. Prof., State Univ. of Iowa, Iowa City, Iowa. ALTON, JOHN M. (S'55-A'55), Elec. Engr., Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul 4,

- Minn.

 ALTONJI, EDMUND R. (S'50-A'52-M'57), Project Engr.,
 ITT Labs., Nutley 10, N.J.

 ALTSCHUL, ERNST O. (S'51-A'51), Asst. Prof., Instituto Technologico de Aeronautica, S. Jose dos Campos,
 Sao Paulo, Brazili.

 ALTSCHUL, ERNST R. (S'51-A'51-M'57), Sr. Engr.,
 Hazeline Corp., Little Neck 62, L.I., N.Y.

 ALTSCHULER, HELMUT M. (S'47-A'49-M'54-SM'55),
 Research Assoc., Microwave Research institute, 55 Johnson
 St., Brooklyn I, N.Y.

 ALTSCHULER, STEPHEN (S'53-M'56), Sr. Fnor., Walkham
- Research Assoc., Microwave Research Institute, 35 Johnson St., Brooklyn J., N.Y.

 ALTSCHULER, STEPHEN (S:53-M'56), Sr. Engr., Waltham Electronics Corp., 751 Main St., Waltham, Mass.

 ALTSHULER, EDWARD E. (S'54-M'55), Research Asst., Dept. Applied Physics, Harvard Univ., Cambridge, Mass.

 ALTY, RAYMOND L. (M'57), Project Engr., Wright-Patterson AFB, Ohio.

 ALVAREZ, AGUSTIN R. (S'56-M'59), Intermediate Engr., Electronic Computers & Control Div., Litton Industries, Inc., W. Washington Blvd., Culver City, Calif.

- Ejectronic Comouters & Control Div., Litton Industries, Inc., W. Washington Bivd., Cuiver City, Calif.

 ALVAREZ, JACK (M'59), Assoc. Engr., Boeing Airplane Co., Patrick AFB, Fla.

 ALWAY, CLAYTON D. (M'58), Research Assoc., The Upjohn Co., Kalamazoo, Mich.

 ALWAY, VERN J. (M'58), Sr. Telecommunications Officer,
 226 AC&W. RCAF Sta., Gander, Nifd., Canada.

 ALZATE, BENJAMIN (S'57-M'58), Transversal 17, 2468', Apt. 101, Bogota, D.E., Colombia, South America.

 AMAITIS, EDWARD J. (A'49), Service Mgr., Brown Roberts

 Hardware & Supply Co., 1810, 37d St., Alexandria, La.

 AMANN, LAWRENCE H. (A'59), System Engr., Raytheon
 Mfg. Co., Andover, Mass.

 AMANTE, JEROME J. (S'53-A'55), Engr., Sylvania Elec.
 Prods., Inc., Waltham, Mass.

 AMARAN, ROY C. (A'54), Sr. Research Engr., Stanford
 Research Institute, Menio Park, Calif.

 AMARANTE, ANTONIO J. D. (A'56), Prof., Escola Technica
 do Exercito & Head of High-Vacuum Div., Centro Brasileiro
 de Pesquisas Fisicas, Rio de Janeiro, Brazil.

 AMAREL, SAUL (S'52-A'53-SM'59), Research Engr.,
 BCA L. Delication.

- de Pesquisas Fisicas, Rio de Janeiro, Brazil.

 AMAREL, SAUL (S'52-A'53-SM'59), Research Engr.,

 RCA Labs., Princeton, N.J.

 AMARIGLIO, ISAAC (A'56), Engr., Ministry of Defense
 Scientific Dept., Box 7062, Hakirya, Tel Aviv, Israel.

 AMATNEEK, KARL V. (A'42-M'55), Sr. Project Engr.,

 Fischer & Porter Co., Hatboro, Pa.

 AMATNIEK, ERNEST (M'56), Sr. Engr., Columbia Univ.,

 Dept. of Neurology, 630 W. 168 St., New York 32, N.Y.

 AMATO, JOSEPH A. (M'55), Engr., Sperry Gyroscope Co.,

 Great Neck, L.I., N.Y.

 AMATO, WAYNE P. (A'55), Engr., Westinghouse Elec.

 Corp., Baltimore 3, Md.

 AMBER, PAUL S. (M'157), Automation Systems Engr., Am-
- Corp., Baltlmore 3, Md.
 AMBER, PAUL S. (Mi-57), Automation Systems Engr., Amber, Amber, 19925 Schaefer Hwy., Detroit 35, Mich.
 AMBLE, HENRY A., JR. (A/54-M/166), Research Assoc.,
 Willow Run Labs., Univ. of Michigan, Yosilanti, Mich.
 AMBOS, CARL (A/39-M/55), Chief Engr., Electronic Components Corp., 520 Interstate Rd., Addison, III.
- ponents Corp., 220 Interstate Rd., Admison, III.

 AMBROGI, JOSEPH N., JR. (A153-M158), Project Mgr.,
 Burroughs Corp., Burroughs Dr., Radnor, Pa.

 AMBROSE, DUNSTAN C., (M'59), Consulting Radio & Electronics Engr., 175 Centre Rd., Colombo 15, Ceylon.

 AMBROSE, ELMER G. (A'52), Repair Foreman, Mobile Service Center, Pacific Telephone & Telegraph Co., 1017 S.

 Olive St., Los Angeles, Calif.
- AMBROSE, JAMES R. (SM'57), Dir., Electronics Lab., Aeronutronic Systems, inc., 1234 AirWay, Glendale 1, Callf.

- Calif.

 AMBROSE, THOMAS J. (M'57), Sr. Engr., Melpar Inc., 3000 Arlington Blvd., Falls Church, Va.

 AMBROSINI, FERNANDO (M'58), Box 274, R. D. 4, Kingston, N.Y.

 AMBROSIO, ALPHONSO (S'50-A'51-M'56), Mem. Tech. Staff, Space Technology Labs., Inc., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

 AMBROSIO, BIAGIO F. (475-M'55), V.P., Advanced Electronics Mfg. Corp., 2116 S. Sepulveda Blvd., Los Angeles 25, Calif.

 AMBRUSTER. WARREN S. (5'57-A'50). She Tachnician
- Los Angeles 25, Calif.
 AMBRUSTER, WARREN S. (S'57-A'59), Site Technician
 'B', 8urroughs Corp., Military Field Service, 511 N.
 Broad St., Philadelphia, Pa.
 AMDAHL, GENE M. (A'53-M'57), Mgr., Data Processing
 Engro., Aeronutronic Systems, Inc., 1701 Halladay St.,
 Santa Ana, Calif.
- AMDAHL, LOWELL D. (A'55), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 El Segundo Blvd., Los Ángeles 45, Calif.

- 45, Calif.

 AMDURSKY, MARK E. (A'56), Project Engr., The Rauland Corp., 4245 N. Knox, Chicago 41, Ill.

 AMEEN, SAMUEL J. (S'50-A'51-M'56), Magnetron Dev. Engr., Raytheon Mfg. Co., Waltham, Mass.

 AMEMIYA, HIROSHI (S'52-A'53-M'59), Engr., RCA, Camden 2, N.J.

 AMEND, ROBERT N. (S'56-M'59), Engr., Western Electric Co., 3300 Lexington Rd., Winston-Salem, N.C.

 AMENDOLA, WILLIAM (A'44), Mgr., Tech. Services, Johnson Electric Supply Ltd., 35 Birch St., N., Timmins, Ont., Canada.

 AMENDT, LEROY E. (S'50-A'52-M'57). Supvr.. Research
- AMENDT, LERGY E. (S'50-A'52-M'57), Supvr., Research Engrg., Autonetics Div., No. Amer. Aviation, Downey, Callf.
- Calif.
 AMENT, WILLIAM S. (SM'55), Asst. Head, Wave Propagation Branch, Electronics Div., Naval Research Lab., Washington 25, D.C. AMER, SALAH (A'55), Deputy Geni. Dir., Engrg. Dept., U.A.R. Broadcasting, Sheriffein, Cairo, U.A.R., Egypt. AMES, BREWSTER, JR. (S'55-M'156), Electronics Engr., Raydheon Mig. Cu., Wayland, Müäss
- AMES, DAVID (A'41-M'55), Oliver St., North Easton, Mass.
- Mass.
 AMES, JOHN R. (M'52), Sect. Supvr., Sandia Corp.,
 Sandia Base, Albuquerque, N.M.
 AMES, MAX D. (S'56-M'57), Field Service Engr., WestInghouse Elec. Corp., 11661 Donna Lane, Garden Grove,
- AMES, MILLARD E., JR. (M¹45-SM¹59), Exec. Engr., Gost. & Ind. Div., Philoe Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- AMES, RAYW., JR. (A'54), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 AMES, WAYNE S. (A'53-M'59), Staff Engr., The Pacific Telephone & Telegraph Co., 740 S. Olive St., Los Angeles 55, Calif.
- geles 55, Callf.

 AMEY, GEORGE B. (A'54), Electronics Engr., Sylvania Elec. Prods., Inc., Box 360, Muney, Pa.
 AMEY GERALD X. (M'57), Radiation Lab., McGIII Univ., Montreal, P.Q., Canada.
 AMEY, S. H. (A'30), 25 Shrublands Close, Chelmsford, Essex, England.

- AMICK, ROBERT H. (A'49), 50300 N. Territorial, Plymouth, Mich.

- outh, Mich.

 AMIS, CHARLES W. (S'51-A'52-M'56), Electronics Engr., National Co., 6.1 Sherman St., Malden 48, Mass.
 AMIS, THOMAS E. (A'57), Technician, Canadian Broadcasting Corp., Hornby, Ont., Canada.

 AMLING, JULIUS L. (S'51-A'51-M'57), Retired, 299
 Crescent St., Brooklyn, N.Y.

 AMLINGER, PHIL R. (M'56), Sr. Electronics Engr., Kaiser Aircraft & Electronics, 850 S. Antonio Rd., Palo Alto, Cailf.
- AMMAN, EDWIN A. (A'42), Insurument Repair, U.S. Army (civillian), Detroit Arsenal, Centerline, Mich.

 AMMERMAN, CHARLES R. (S'42-A'45-SM'52), Mgr., Research, Maller, Raymond & Brown, Inc., Science Park, State College, Pa.
- State College, Pa.

 AMMERMAN, DONALD W. (SM'52), Project Engr., GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.

 AMMIRATI, SALVATORE (S'51-A'53-M'58), Microwave Dev. Fngr., F.R. Machine Works, 26-12 Borough Pl., Woodside 77, L.I., N.Y.

 AMMON, GEORGE M. (A'57), Tech. Institute Instr., Milwaukee School of Engrg., 1025 N. Milwaukee St., Milwaukee 2, Wis.
- AMMON, JAMES A. (S'56-A'57), Engrg. Technician, Bendix Aviation, Missile Project Div., Mishawaka, Ind. AMODEI, JUAN J. (S'56-M'57), Dev. Engr., RCA, Camden,
- N.J.
 AMODEO, CIRO F. (A'56-M'57), Genl. Mgr., Secy. & Treas., Madigan Corp., 200 Stonehing Lane, Carle Place, L.I., N.Y.
 AMOO, LLOYD R. (A'40-M'55), V.P., Engrg., North Dakota Broadcasting Co., Box 29, Valley City, N.D.
 AMORE, ITALO (A'37-M'46), Mgr., Electronic Div., Internati, GE, S.A., Inc., Box 2552, Airmall Box 3644, Bogota, Colombia, S.A.

- Bogota , Colombia , S. A. AMOROSO , FRANK (5'55-M'59), Instr., Elec. Engrg., Purdue Univ., West Lafayette , Ind. AMORT. DONALD L. (S'52-A'55), Instr., Elec. Engrg., Oregon State College , Corvallis , Ore. AMOST, ANTHONY F. (A'58), Tube Project Engr., Owen Harries , Consulting Engrs., Warwick , Bermuda.

- Harries , Consulting Engrs. , Warwick , Bermuda.

 AMOS , BERNARD (M'45), Asst. Engrg. Mgr. , Allen B. DuMont Labs. , Inc. , East Paterson , N. J.

 AMOS , CLARENCE D. (S'56-A'58), Instrument Technician , Genl. Dynamics Corp. , Coca. Fla.

 AMOTH , VICTOR W. (SM'55), Sr. Design Engr. , GE Co. , Schenectady 5 , N.Y.

 AMRHEIN , OSCAR C. (S'43-A'44-M'58), Logistics Analyst, USAF , Dayton A.F. Depot , Wilmington Pike , Dayton , Ohio.

- iyst, USAF, Dayton A.F. Depot, Wilmington Pike, Dayton, Ohio.

 AMRON, IRVING (A'55), Mem. Tech. Staff, Bell Tel. Labs., Marion & Vine Sts., Laureldale, Pa.

 AMSTER, GERALD S. (S'53-A'55), Engr., Alrborne Instrument Lab., Mineola, L.I., N.Y.

 AMSTUZ, STANFORD R. (S'55-M'56), Project Engr., USAF, Wright-Patterson AFB, Ohio.

 AMY, ERNEST V. (A'20-M 27-SM'43)(L), Pres., Amy, Aceves & King, Inc., 11 W. 42 St., New York 18. N.Y.

 ANAGNOST, ARTHUR L. (A'42), Asst. Sales Mgr., Kinkead industries, Inc., 586 ON. Pulaski Rd., Chicago 46, Ill.

 ANAGNOST, JOHN T. (SM'57), Supvr., Electronic Technology, Devry Tech. Institute, 4141 W. Belmont Ave., Chicago 41, Ill.

 ANAND, RAM P. (M'59), Mem. Tech. Staff, Bell Tel. Labs., 555 Union Blvd., Allentown, Pa.

 ANAND, VIDYA-BHUSHAN (SM'57), Head, Applied Physics Dept., Thapar Engrg. Institute, Patiala, India.

 ANAPOL, JULIUS (S'50-A'51-M'57), Chief Engr., Electronic Transformer Co., 70 Washington St., Brooklyn, N.Y.

 ANASTAS, DEMO, JR. (S'55-M'56), Systems Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 ANASTOS, ERNEST G. J. (S'55-M'56), Dev. Engr., Sylvania Elec. Prods., Inc., 189 B St., Needham 94, Mass.

 ANAYA, FRANCIS J., (M'56), Sr. Electronics Engr., ITT Labs., Nutley 10, N.J.

 ANDA, ROBERT O. (A'57), Sr. Technician, Aeronautical Radio, Inc., c/o Comnavairiant Naval Air Sta., Norfolk 11, Va.

 ANDER, RICHARD E. (M'58), Sperry-Phoenix Co., Phoe-

- ANDEEN , RICHARD E. (M'58), Sperry-Phoenix Co., Phoenix , Ariz.
- nix, Ariz.

 ANDELIN, D. RAY (M'56), Designer, Missiles Engrg.,
 Douglas Aircraft Co., White Sands Missile Range, N.M.
 ANDELSON, ROLAND P. (4/57), Asst. Mgr., Hughes
 Aircraft Co., 1612 K St., N.W., Washington 6, D.C.
 ANDEREGG, JOHN S., JR. (A'53-M'58), Pres., Dynamic
 Research Corp., 165 Concord Rd., Bedford, Mass.
 ANDERM ANN, ALFRED (M'57), Research Engr., Boeing
 Airplane Co., Box 46-68, Seattle, Wash.
 ANDERS, ALOIS W., JR. (S'57-M'59), Carrier & Toll
 Transmission Design Engr., Genl. Telephone Co., 507
 Jackson St., Tampa 1, Fla.
 ANDERS, FRANK W. (M'57), Project Engr., Thermoelect
- Dynamics

- Transmission Design Engr., cell: Telepointe Co., 307
 Jackson St., Tampa I, Fla.

 ANDERS, FRAMK W. (M'57), Project Engr., Thermoelectric
 Materials, Bureau of Ships, Washington, D.C.

 ANDERS, JAMES V. (S'52-A'54-M'59), Engr., Western Electric Co., c/o Bell Tel. Labs., Whippany, N.J.

 ANDERS, JOSEPH R. (M'57), Fleid Service Rep., GE
 Co., Syracuse, N.Y.

 ANDERS, ROBERT V. (SM'59), Electronics Engr., AR&T
 Electronics, Inc., Little Rock, Ark.

 ANDERSEN, AODLPH (A'30-VA'39-M'49), Electronics
 Scientist, FCC, Box 31, Laurel, Md.

 ANDERSEN, AKSEL R. (S'43-A'45), Asst. Mgr., Engrg.
 Systems, McDonnell Aircraft Corp., Lambert-St. Louis
 Airport, St. Louis, Mo.

 ANDERSEN, ALDEN H. (M'56), Engr., Sperry Gyroscope

- Airport, St. Louis, Mo.
 ANDERSEN, ALDEN H. (M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I.,N.Y.
 ANDERSEN, CHARLES V. (A'56), Supt., Mfg., Ampex Corp., 934 Charter St., Redwood City, Calif.
 ANDERSEN, CLIFFORD W. (3M'57), Chief Engr., The Wurlitzer Co., Pleasant St., De Kalb, III.

- ANDERSEN, ELWYN A. (M'53), Instrument Engr., Naval Inspector of Ordnance, 1675 W. 5 St., Pomona, Calif. ANDERSEN, GEORGE R. (M'58), Sr. Electronics Engr., Convair, San Diego, Calif.
 ANDERSEN, JACK F. (S'49-A'50-M'55), Field Engr., Schlumberger Well Surveying Corp., 300 N. Ventura Ave., Ventura, Calif.

- ventura, Calif.

 ANDERSEN, ROBERT A. (M'56), Engr., Dymec, Inc., 395
 Page Mill Rd., Palo Alto, Calif.

 ANDERSEN, ROBERT L. (S'58-M'59), Jr. Electronic
 Engr., Kalser Aircraft & Electronics, Box 275, Sta. A.,
 Palo Alto, Calif.
- PAIO AITO, CAIIF.

 ANDERSEN, VIGGO O. (S'50-A'52-M'56), Rte. 1, W., Box 375, Great Falls, Mont.

 ANDERSEN, WALTHER M. A. (A'47-M'52), V.P., Andersen Labs., Inc., 501 New Park Ave., West Hartford, Conn.
- Lonn.

 ANDERSON, A. ELDON (S'49-A'50-M'55-SM'58), Engrg. Group Head, Collins Radlo Co., Cedar Rapids, lowa.

 ANDERSON, A. EUGENE (S'38-A'41-M'45-SM'5B), Supt., Engrg., Western Electric Co., 555 Union Blvd., Allentown, Pa.
- ANDERSON, A. LEONARD (M'56), Publication Engr., Jackson & Moreland, Inc., 600 Park Sq. Bidg., Boston,
- MADERSON , ALBERT E. (A'55), Asst. Chief Engr., Homelite , Port Chester , N. Y. ANDERSON , ALBERT T. (M'53), V.P. & Dir., Genl. Mgr., Genl. Antronics Corp., 9036 Culver Blvd., Culver City, Calif.

- Callf.

 ANDERSON, ALFRED F. (A'54), Electronics Project Engr., USAF Cambridge Research Center, Att. CPLF. Hansrom Field, Bedford, Mass.

 ANDERSON, ALVIN L. (S'53-A'53), Tech. Asst., Bell Tel. Labs., Whippany, N.J.

 ANDERSON, ARTHUR E. (M'50), Mgr., Physics Project Lab., Westinghouse Research Lab., Beulah Rd., Pittsburgh, Pa.
- ANDERSON, ARTHUR F. (A'54), Engr., GE Co., Syracuse,
- N.Y.
 ANDERSON, ATTELL B. (A'44-M'55), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 ANDERSON, BENJAMIN E., JR. (S'51-A'53-M'58), Mem.
 Tech. Staff, Space Technology Labs., Inc., Box 4277,
 Patrick AFB, Fla.
- NDERSON, BERNON G. JR. (M'56), Electronics Engr., Asst. Electronics Material Office, Box 1042, U. S. Naval Sta., Key West, Fla. NDERSON, RYDON C. ANDERSON, BERNON G.
- Sta., Key West, Fla.

 ANDERSON, BYRON S. (SM'49), Dir., Systems Engro.
 Div., U.S. Army Signal Research & Development Lab., Ft.
 Monmouth, N.J.

 ANDERSON, C. ALBIN (A'41-M'55), P.E., Elec. Design
 Mgr., District Public Works Office, USN, 9 ND, Bidg. 1-A,
 Great Lakes, III.

 ANDERSON, CAPI I (C) Estatement

- Great Lakes, III.

 ANDERSON, CARL J. (S'55-M'57), Elec. Engr., WellsGardner & Co., 2701 N. Kildare, Chicago 39, III.

 ANDERSON, CARL M. (S'44-A'46-M'55), Prof., Chemistry, Linffeld College, McMinnville, Ore.

 ANDERSON, CECIL R. (M'56), Sr. Project Engr., Cadillac
 Ordnance Plant, 6200 Riverside Dr., Cleveland 9, Ohio.

 ANDERSON, CHARLES E. (M'57), Microwave Tube Design
 Engr., Litton Industries, 960 Industrial Rd., San Carlos,
 Calif.
- ANDERSON, CHARLES F. W. (M'51-SM'55), Design Specialist, Electronics Dept., Martin Co., Baltimore 3, Md.
- MO.
 ANDERSON, CHARLES L. (A'46), Asst. to Pres., Film Capacitors, 3400 Park Ave., New York, N.Y.
 ANDERSON, CHARLES M. (A'50), Foreman, Test Equipmin Design & Construction, Zenith Radio, 6001 Dickens St., Chicago 39, III.
- Chicago 39, III.
 ANDERSON, CHARLES R. (A'54), Radio Mechanic, Continental Airlines, Stapleton Field, Denver 7, Colo.
 ANDERSON, CHARLES T. (M'52), Engr., GE Co.,
 Syracuse, N.Y.
 ANDERSON, CHARLES W. (S'47-A'48-M'55), Genl-
- CO., LOD FRANKIIN SC., BOSTON, MASS.
 ANDERSON, CHARLES W. (A'37-VA'39), Electronics Scientist, USAF, Wright-Patterson AFB, Ohio.
 ANDERSON, CHARLIE D. (5'50-A'54-M'59), Research Engr., Texas Research Associates Corp., 1701 Guadalupe St., Austin 1, Tex.
- St., Austin 1, 1ex.

 ANDERSON, CLIFFORD N. (A'19-F'34), Visiting Prof.,
 Cornell Univ., Ithaca, N.Y.

 ANDERSON, DANIEL C. (S'51-A'53-M'58), Project Engr.,
 Natl. Aeronautical Corp., Commerce Dr., Ft. Washington,
 Pa.
- Pa.

 ANDERSON, DANIEL L. (A'54-M'58), Sales Engr., Allen Bradley Co., 445 N. LaSalle St., Chicago 10, III.

 ANDERSON, DARWIN L. (S'53-M'58), Jr. Engr., IBM, San Jose, Calli.

 ANDERSON, DAVID K. (S'50-A'51-M'56), Engr., Sperty Gyroscope Co., Great Neck, L.I., N.Y.

 ANDERSON, DAVID L. (S'55-M'58), Electronics Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif. ANDERSON, DEAN B. (S'41-M'50), Engre. Specialist, Research, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 ANDERSON, DONALD A. (A'43-S'46-A'50-SM'53), Pres

- ANDERSON, DONALD A. (A'43-S'46-A'50-SM'53), Pres., Natl. Semiconductors, Ltd., 146 Bates Rd., Montreal 26, P.Q., Canada.
- ANDERSON DONALD D. (S'54-A'55), Assoc. Engr.,
- IBM, Owego, N.Y.
 ANDERSON, DONALO E. (S'54-M'56), Elec. Engr.,
 Remington Rand Univac, 2750 W. 7 8lvd., St. Paul
 16, Minn.
- ANDERSON, DONALD N., JR. (S'49-A'52-M'57), Mem. Tech. Staff, Hughes Aircraft Co.. Culver City. Calif. ANDERSON, DOUGLAS J. (SM'54), Civil Air Attache, Australian Embassy, 1700 Massachusetts Ave., Washington, D.C.
- ington, D.C.,

 ANDERSON, EARL I. (M'40-SM'43-F'54), Chief Engr.,
 Communications Prods. Dept., RCA, Camden, N.J.,
 ANDERSON, EDWAND P. (SM'55), Assoc. Prof., Elec.
 Engrg., San Jose State College, San Jose, Calif.
 ANDERSON, EDWIN A., JR. (S'50-A'51-M'57), Sr. Engr.,
 Philico Corp., 4700 Wissahickon Ave., Philadelphia, Pa.
 ANDERSON, EDWIN C. (A'20-M'35-SM'43), Engr., U.S.
 Army Signal Research & Development Lab., Ft. Monmouth,
 N.J.

- ANDERSON, EDWIN M. (A'52-M'56), Prof. & Chmn., Elec. Engrg., North Dakota State College, State College Sta., Fargo, N.D.

- Engrg., North Dakota State College, State College Sta., Fargo, M.D.

 ANDERSON, EINAR E. (A'58), Chlef Microwave Technician, "C" Sta., White Sands Missile Range, N.M.

 ANDERSON, ELMER C. (A'55), Engr., Vitro Labs., 200 Pleasant Valley Way, West Orange, N.J.

 ANDERSON, ELMER E. (S'57-M'58), Capt., USAF, Administrative Staff Asst., Research & Dev., 8MEWS Project Office, 220 Church St., New York 13, N.Y.

 ANDERSON, ELTON W. (S'53-M'577), 1st Lt., USAF, Navigation Instr., Home: Wallace, Minch.

 ANDERSON, EMMETT R. (M'58), Elec. Engr., Westinghouse Elec. Corp., 3451 E. Marginal Way, Seattle, Wash.

 ANDERSON, EMCENT, (SM'52), Sr. Elec. Engr., Marconl Wireless Telegraph, Chelmsford, Essex, England.

 ANDERSON, ENEST G. (SM'58), Prof., Elec. Engr., North Dakota State College, State College Sta., Fargo, N.D.

 ANDERSON, EUGENE 8. (S'57-A'58), Engrg. Lab. Asst., Martin Co., Sand Lak Rd., Orlando, Fla.

 ANDERSON, EVERETT J. (M'57), Asst. Project Engr., Pratt & Whitney Aircraft, 400 Main St., East Hartford, Conn.

- Pratt & Whitney Aircraft, 400 Main St., East Harrford, Conn.

 ANDERSON, EVERETT M. (A'48), Tech. Writer, Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.

 ANDERSON, FLOYD C. (M'57), Assoc. Research Engr., Transport Div., Boeling Airplaine Co., Renton, Wash.

 ANDERSON, FRANK A. (S'53-A'54), Fr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 ANDERSON, FREDERIC W. (SM'57), Mgr., Electronic Design & Dev., RCA, Moorestown, N.J.

 ANDERSON, FREDERICK J. (S'47-A'49-SM'55), Mgr., 189

 'B' St., Needham, Mass.

 ANDERSON, FRITHIOF B. (M'42-SM'43), Mem. Tech. Staff, Bell Tel. Labs., 3300 Lexington Rd., Winston-Salem, N.C.

 ANDERSON, FURN D. (A'54), Radio Supvr., WJW, Storer Broadcasting Co., 1630 Euclid Ave., Cleveland, Ohio.

 ANDERSON, FURN D. (A'54), Radio Supvr., WJW, Storer Broadcasting Co., 1630 Euclid Ave., Cleveland, Ohio.

 ANDERSON, GEORGE F. (S'50-A'51), V.P., & Chief Engr., Dynatronics, Inc., 717 W. Amella, Orlando, Fla.

 ANDERSON, GEORGE M. (S'42-A'45-SM'52), Head, Engr., Dept., Edison Lab., Thomas A. Edison, Inc., West Orange, N.J.

 ANDERSON, GEORGE P. (S'40-M'55), Elec. Engr., Reministon Rand Inliver. S. Payl 14. Mines.
- ANDERSON, GEORGE P. (S'40-M'55), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn. ANDERSON, GEORGE P. (M'54), Research Assoc., Brown Univ., Metals Research Lab., Richardson Hall, Providence 12, R.1.
- ANDERSON, GEORGE W. (S'47-A'50-M'55), Mgr., Automatic Controls, Aeronutronic Systems, Inc., 1234 Airway, Glendale 1, Calif.
- ANDERSON, GEORGE W., JR. (M'58), Supvr., Applied Research Div., Sandia Corp., Sandia Base, Albuquerque, N.M. ANDERSON, GERALD G. (S'57-M'58), 921 4 St., N.,
- Fargo, N.D. ANDERSON, GLENN R. (A'42-M'50), Engr., Missile Dev. Labs., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- norun notiywood, Calif.

 ANDERSON, HARLAN E. (A'54-M'58), V.P., Digital Equipment Corp., Maynard, Mass.

 ANDERSON, HARLEY J. (M'45), Head, Electronics & Elec. Engrg. Sect., GM Institute, 3rd & Chevrolet Aves., Filnt 2, Mich.
- ANDERSON, HAROLD C. (A'32-VA'39-M'55), Electronics Engrg., Litton Industries, 4900 Calvert Rd., College Park, Md.
- MO., ANDERSON, HAROLD L. (S'50-A'51-M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M., ANDERSON, HAROLD W. (A'39-SM'47), Research Physicist, U. S. Naval Ordnance Lab., White Oak, Silver Spring 19, Md.
- ANDERSON, HARRY L. (M'59), Military Relations Engr. Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9 Tex.
- ANDERSON, J. REID (M'52), Mgr., Computer Techniques Lab., Stanford Research Institute, Menio Park, Calif. ANDERSON, J. ROBERT (S'53-M'57), Research Engr., Univ. of California, Electronics Research Lab., Berkeley
- ANDERSON, J. STEPHEN (A'38-VA'39-M'55), Elec-tronics Engr., USN Electronics Lab., San Diego 52, Calif. ANDERSON, JACK G. (A'56), Mgr., Alt Force Operations, Hoffman Electronics Corp., 2600 Far Hills, Dayton 19,
- ANDERSON, JAMES (SM'57), Project Engr., Continental Electronics Mfg. Co., 4212 S. Buckner Blvd., Dallas 23, Tex.
- ANDERSON, JAMES W. (A'50), Lt. Cmdr., USN, Retired, 4035 Black Point Rd., Honolulu 15, Hawall. ANDERSON, JOHN 8. (A'55-M'56), Engr., RCA, Service Co., Camden 8, N.J.

- Co., Camden B, N.J.

 ANDERSON, JOHN E. (A'54), Retired, 3492 Highland Dr., Salt Lake City, Utah.

 ANDERSON, JOHN E. (S'57-M'58), Application Engr., Collins Radio Co., Cedar Rapids, Iowa.

 ANDERSON, JOHN F. (M'57), Electronics Engr., The Martin Co., Baltimore, Md.

 ANDERSON, JOHN L. (S'53-A'54), Engrg. Asst., The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 ANDERSON, JOHN L. (S'50-A'51-M'58), Dev. Engr., Oak Ridge Natl. Lab., Oak Ridge, Tenn.

 ANDERSON, JOHN M. (S'46-A'54), Research Assoc., GE Research Lab., Schenectady, N.Y.

 ANDERSON, JOHN P. (M'55), Communications Engr., Missile Test Project, RCA Service Co., Patrick AF8, Fla.

- ANDERSON, JOHN R. (A'54), Electronics Engr., Air Tech-Intelligence Center, Wright-Patterson AFB, Ohio. ANDERSON, JOHN S. (S'54-M'58), Staff Mem., Sandia Corp., 8ox 969, Livermore, Calif. ANDERSON, JOHN W. (M'52), Sales Engr., Electronic Tube Div., Canadian Westinghouse Co., Ltd., Hamilton, Ont., Canadia.
- ANDERSON, JOSEPH A. (M'57), 310 18 Ave., S.W., Rochester, Minn. ANDERSON, JOSEPH C. (S'49-A'51-M'55), Aviation Electronics Engr., RCA, Camden 2, N.J.

- ANDERSON, JOSEPH W. (A'50), Partner, J. 8. Anderson & Son, Box 505, Manor, Pa.
 ANDERSON, KENNETH E. (A'57), Instr., Guided Missiles (MIKE), U.S. Army, 221 Omdorff Or., El Paso, Tex.
 ANDERSON, KENNETH M. (S'57-A'58), Electronics Instr., McDonnell Aircraft Corp., Box 516, St. Louis, Mo.

- Mo.

 ANDERSON, KERMIT W. (SM'46), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 ANDERSON, LAWRENCE M. (A'58), 915 King St., Alexandria, Va.

 ANDERSON, LELAND I. (S'51-A'54), Staff Engr., Remington Rand Univac, St. Paul 16, Minn.

 ANDERSON, LEROY T. (A'41-M'451), Elec. Engrg.

 Dept., Univ. of Minnesota, Minneapolis 14, Minn.

 ANDERSON, LESTER F. (M'54), Engrg. Mgr., Sylvani Elec. Prods., Inc. (Photofiash Div.), Broad St., Montoursville, Pa.

 ANDERSON I I OVD D. (A'46-M'55). Electronics Engr

- Montoursville, Pa.

 ANDERSON, LLOYD D. (A'46-M'55), Electronics Engr., Radar, Sureau of Ordnance, Main Navy, 17 & Constitution Aves., Washington, D.C.

 ANDERSON, MARDIS V. (M'58), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 ANDERSON, MELVIN J. (S'51-A'53-M'58), Mem. Tech. Staff, Hughes Research & Development Lab., Culver City, Calif.
- ANDERSON, MELVIN K. (S'48-A'49-M'55), Asst. Prof., Univ. of Arkansas, Fayetteville, Ark. ANDERSON, MEROY A. (A'55), Mem. Tech. Staff, Hughes Research & Dev. Labs., Hughes Aircraft Co., 8ox 5555, Tucson, Ariz.

- Tucson, Ariz.

 ANDERSON, NANCY S. (M'59), Staff Psychologist, Research Center, 18M, Yorktown Heights, N.Y.

 ANDERSON, NELSON E. (M'54), Sect. Head, Air Reduction Co., Clermont Ter., Union, N.J.

 ANDERSON, NORMAN J. (A'42), Consulting Engr., 152

 Fairview Ave., Boonton, N.J.

 ANDERSON, PAUL G. (M'56), Analytical Engr., Research Dept., United Aircraft Corp., Silver Lane, East Hartford 8, Conn.
- ANDERSON, PAUL M. (M'45), Sr. Dev. Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.
- 13, Minn.
 ANDERSON, PETER B. (S'56-A'58), Jr. Engr., Tufts
 Univ., Elec. Engrg. Research Dept., Medford, Mass.
 ANDERSON, RALPH D. (M'55), Mfg. Test Group Engr.,
 Lockheed Missile & Space Div., Sunnyvale, Call
 ANDERSON, RALPH V. (M'54), Asst. Chief, Div. of
 Cryptography, Dept. of State, Washington, D.C.
 ANDERSON, RAY E. (M'58), Sr. Research Engr., Mgr.,
 Dorne & Margolin, Inc., 1434 Westwood Blvd., Los
 Angeles 24, Calif.
- Angeles 24, Calif.

 ANDERSON, RAYMOND J. (M'55), Field Sta. Mgr.,
 Ordnance Research Lab., Field Sta., Keyport, Wash.

 ANDERSON, RICHARD C. (5'56-M'58), LL.Jg., USN,
 Electronics Engr., 2703 Webster St., Mt. Rainler, Md.

 ANDERSON, RICHARD G. (S'56-M'57), Elec. Engr.,
 Grumman Aircraft Engr. Corn., Bethpage, L.I., N.Y.

 ANDERSON, RICHARD L. (S'49-A'53-M'58), Research
 Engr., IsM, Poughkeesie, N.Y.

 ANDERSON, RICHARD S. (A'49-M'55), Chief Systems
 Engr., Leach Corp., 18435 Susana Rd., Compton,
 Calif.

- ANDERSON, RICHARD W. (S'44-A'46-M'55), Mgr., Quality Assurance Dept., ElectroData Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.
- ANDERSON, RICHARD W. (S'47-A'48-M'55), Engr., Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.
- MO.
 ANDERSON, RICHARO W. (S'44-M'52), Lt., USN, Aeronautical Engrg. Dept., MIT, Cambridge, Mass.
 ANDERSON, ROBERT A. (S'52-A'54-M'59), Engr., Naval Propellant Plant, Indian Head, Md.
 ANDERSON, ROBERT A. (G'56-M'58), Engr., Varlan Associates, Palo Alto, Calif.
 ANDERSON, ROBERT C. (M'56), Maj., USAF, Electronics Engr., Air Tech. Intelligence Center, Wright-Patterson AF8, Ohio.
- ANDERSON, ROBERT C. (S'55-M'57), 2nd Lt., USAF, Home: 8003 S. Colfax Ave., Chicago 17, III. ANDERSON, ROBERT C. (S'57-M'59), Elec. Design Engra., McDonnell Aircraft Corp., Lambert-St. Louis Airport, St. Louis 21, Mo.
- Airport, St. Louis 21, Mo.

 ANDERSON, ROBERT E. (A'45-M'55), Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.

 ANDERSON, ROBERT F. (S'54-M'56), Sr. Elec. Engr., Philoo Corp., 4700 Wissahickon Ave., Philadelphia, Pa.

 ANDERSON, ROBERT I. (S'41-A'44), Chief Engr., Wayne D. Patterson, Inc., 807 Yale St., Los Angeles 12, Calif.

 ANDERSON, ROBERT J. (A'57), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 ANDERSON, ROBERT P. (M'57), Sr. Systems Design Engr., Chance-Vought Aircraft, Inc., Box 5907, Dallas, Tex.
- ANDERSON, ROBERT S. (A'53), Electronics Engr., W.M. Welch Scientific Co., 1515 Sedgwick, Chicago 10, III. ANDERSON, ROBERT T. (M'52), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- ANDERSON, ROBERT V. (A'54-M'55), Group Leader, Marine Radar Transmitters, Sperry Pledmont Co., Rte. 29, Charlottesville, Va.
- Charlottesville, Va.

 ANDERSON, RODNEY L. (S'57-M'59), Electronics Engr.,
 Rural Electrification Administration, U.S. Dept. of
 Agriculture, Washington 25, D.C.

 ANDERSON, ROGER W. (M'58), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

 ANDERSON, ROLAND E. (S'53-A'54-M'59), Elec. Engr.,
 Sperny-Rand Univac, 1902 W. Minnehaha Ave., St.
 Paul W4, Minn.

- ANDERSON, RONALD W. (S'51-A'57), Field Engr., 18M, Kingston, N.Y.
- Kingston, N.Y.

 ANDERSON, ROY E. (M'47-SM'55), Electronics Systems Engr., GE Co., Schenectady 5, N.Y.

 ANDERSON, ROY L. (A'52-M'57), Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago, III.

 ANDERSON, RUTH M. (A'57), Electronics Engr., Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.
- ANDERSON, S. DODD (S'49-A'54), Engr., Westinghouse Elec. Corp., 8ox 2068, Idaho Falls, Idaho.

- ANDERSON, SEDRIC E. (S'54-M'57), Engr., Sales Dept., Electronic Engra. Co. of California, 1601 E. Chestnut Ave., Santa Ana, Calif.
 ANDERSON, SIDNEY E. (S'49-A'52-M'57), Project Engr., Remington Rand Univac, 2750 W. 7 St., St. Paul L6, Minn.
- ANDERSON, STAN E. (A'48-M'58), Field Engr., RCA Service Co., Hqrs., GEEIA, Air Navigational Systems, Griffiss AF8, N.Y.

- Griffiss AF8, N.Y.

 ANDERSON, STERLING R. (A'41-M'55), Electronics Engr., FAA, Bureau of Research & Development, Navigation Div., Washington, D.C.

 ANDERSON, T. THEODORE (S'57-M'59), D203-E178, Argonne Matl. Lab., Lemont, III.

 ANDERSON, THEODORE C. (S'54-M'59), Project Engr., Hewlett-Packard Co., 275 Page Mill Rd1, Palo Alto, Calii.
- ANDERSON, THEODORE E. (A'55), Engr., RCA, Moores-town, N.J. ANDERSON, THEODORE G. (A'51-M'56), Electronics Dev. Engr., Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.
- Rapids 2, Mich.

 ANDERSON, THEODORE V. (S'52-A'54), Field Engr., Tektronix, Inc., 27310 Southfield, Lathrup VIIIage, Mich.

 ANDERSON, THEODORE W., JR. (M'52), Patent Atty., Partner, Olson, Mecklenburger, von Holst, Pendleton & Neuman, 77 W. Washington St., Chicago 2, Ill.

 ANDERSON, THOMAS J. (A'46-SM'54), Mgr., Special Programs, Lockheed Missiles & Space Div., 7701 Woodley Ave., Van Nuys, Calif.

 ANDERSON, TORE N. (S'47-A'49-SM'55), V.P., Dir. of Engrs., Altron, Inc., 200 E. Hanover Ave., Morris Plains, N.J.

- Plains, N.J.
 ANDERSON, VERNON R. (A'58), Planning Mgr., Sierra
 Electronic Corp., 3885 Bohannon Dr., Menio Park, Calif.
 ANDERSON, VICTOR C. (SM'56), Assoc. Research
 Physicist, Univ. of California, Marine Physical Lab.,
 San Diego 52, Calif.
- San Diego 52, Calif.
 ANDERSON, VICTOR H. (S'55-A'56), Electronics Mech.
 Apprentice, Boston Naval Shipyard, Charlestown, Mass.
 ANDERSON, W. JACKSON, (45'2), Electronics Technician,
 AIResearch Mfg. Co., Sky Harbor Airport, Phoenix, Ariz.
 ANDERSON, WALLACE L. (M'58), Research Assoc., Elec
 Engrg. Dept., Juliv. of New Mexico, Albuquerque, N.M.
 ANDERSON, WALTER H. (A'44-M'50), Instr., Ryerson
 Institute of Technology, 50 Gould St., Toronto, Ont.,
 Canada.
- ANDERSON, WALTER H. (S'53-M'57), Engr., WTTG, Metropolitan Broadcasting Corp., Raleigh Hotel, Washington 4, D.C.

- Metropolitian Broadcasting Corp., Raieigh Hotef,
 Washington 4, D.C.
 ANDERSON, WALTER L. (A '49-M'55), V.P., Genl.
 Kinetics, Inc., 555 23 St., South Arlington, Va.
 ANDERSON, WALTER L. (A'53-M'58), 135 Arnold Dr.,
 San Antonio I, Tex.
 ANDERSON, WALTER R. (B'53-A'55), Engrg. Alde,
 Naval Ordnance Lab., White Oak, Md.
 ANDERSON, WALTER R. (M'58), Engr., Sylvania Elec.
 Prods., Inc., Waltham, Mass.
 ANDERSON, WALTER R. (M'56), Engr., Sylvania Elec.
 Prods., Inc., Waltham, Mass.
 ANDERSON, WARREN L. (M'55-SM'57), Research Engr.,
 Welex, Inc., 1628 Old Spanish Trail, Houston, Tex.
 ANDERSON, WARNEN M. (M'56), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 ANDERSON, WAYNE H. (A'56), Equipment Specialist
 Engr., RCA Service Co., Camden 8, N.J.
 ANDERSON, WAYNE W. (M'55), Prod. Engr., Sylvania
 Elec. Prods., Inc., Burlington, Iowa.
 ANDERSON, WENDELL G. (S'48-A'50-M'58), Mgr.,
 Electronic Prolects, Aviation Systems Dept., Defense
 Electronic Prolects, Prolection Systems
 ANDERSON, WESTON A. (A'55), Research Physicist,
 Varian Associates, 611 Hansen Way, Palo Alto, Calif.
 ANDERSON, WILLIAM E. (S'57-M'58), Electronics Engr.
 'By, Radioplane Div., Northrop Corp., 8000 Woodley Ave.,
 Van Nuys, Calif.
 ANDERSON, WILLIAM G. (A'52-M'57), Engrg. Group
 Head. Collins Radio Co., Cedar Renalts, Inc.
- ANDERSON, WILLIAM G. (A'52-M'57), Engrg. Group Head, Collins Radio Co., Cedar Rapids, Iowa. ANDERSON, WILLIAM J. (S'41-A'42), Application Engr., Ridgway Engrg., Inc., 6100 North Ave., Chicago 39, III. ANDERSON, WILLIAM J., SR. (A'50-M'52), West Coast Regional Mgr., Equipment Sales, C8S Electronics Div., 2120 S. Garrield, Los Angeles 22, Calif.
- ANDERSON, WILLIAM W. (S'53-M'59), Instr., Stanford Univ., Stanford, Calif.
 ANDERSON, WILLMER C. (A'34-VA'39-SM'53), Dir., Research, Genl. Time Corp., 109 Lafayette St., New York, N.Y.

- York, N.Y.

 ANDERSSON, KARL N. (A'56), Chlef Engr., Electronic Design & Dev., A. 8. Bofors Instrument Lab., Sjobjornsvagen 62, Stockholm Sv., Sweden.

 ANDERTON, CLOYDE W. (M'55), Engrg., Dir., Anderton Electronic Lab., 129 E. 1800 S., Bountlid, Utah.

 ANDES, JAMES H. (A'58), Systems Engr., RCA Service Co., 838 N. Henry St., Alexandria, Va.

 ANDRADE, EDWARD A. (M'46-SM'57), Project Engr., Collins Radio Co., Cedar Rapids, Iowa.

 ANDRADE, LOUIS (A'50-M'57), Design & Dev. Group Leader, Airborne Fire Control Engr., RCA, Camden 2, N.J.
- ANDRAE, PAUL H., II (A'48-M'55), Chief, Guided Missile Div., Nuclear Div., Hqrs. Tactical Air Command, Langley AF8, Va.
- APO, Va.
 ANDRASCO, CHARLES J. (S'56-M'58), Electronics Engr.,
 FAA, Washington 25, D.C.
 ANDRASKO, JOSEPH P. (A'39-VA'39), Supvg. Service
 Engr., Westinghouse Elec. Corp., 40 Wall St., New
 York 5, N.Y.

- York 5, N.Y.

 ANDRAUD, ROBERT J. (A'47), Broadcast Engr., CBS,
 442 Pelham Rd., New Rochelle, N.Y.

 ANDREASEN, INGWALD (4/45-M'55), Asst. Engrg. Mgr.,
 U.S. Envelope Co., 75 Grove St., Worcester, Mass.

 ANDREASSEN, H. NORMAN (M'55), Engr., Continental
 Electronics Mfg. Co., 4212 S. Buckner Blyd., Dallas, Tex.

 ANDREASSON, ROLF I. (M'57), Staff Engr., BensonLehner Corp., 11930 Olympic Blyd., West Los

 Angeles 64, Callf.

 ANDREATTA LAMES H. (S'50-A'51-MY59), Declare
- ANDREATTA, JAMES H. (S'50-A'51-M'58), Design Engr., Westinghouse Elec. Corp., 8ox 1897, 8altimore 3, Md.
- ANDREE, ALOYSIUS D. M. (A'59), Engrg. Technician, Canadian Aviation Electronics, Ltd., Montreal, P.Q., Canada.

ANDREIKA, JANIS T. (S'53-M'57), Research Asst., MIT, Research Lab. of Electronics, Cambridge 39, Mass.
ANDREOSKY, EUGENE (S'56-M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
ANDRES, ANTHONY J. (S'49-A'51-M'56), Asst. Prof., Engrg., Los Angeles State College, Los Angeles, Calif.
ANDRES, LLOYO J. (SM'57), 5790 S.W. 114 Ter., South Miami, Fla.
ANDRES, NORBERT E., JR. (M'58), Mgr., Prod. Sales, Waldoff Electronics, 755 Park Ave., Huntington, L.I., N.Y.

- N.Y.

 ANDRES, ROY K. (S'54-M'56), Asst. Mgr., Term. Facilities, Equipment & System Engr., RCA Communications, 66 Broad St., New York 4, N.Y.

 ANDRES, WALTER F. (M'5B), Radar Field Engr., RCA Service Co., Camden B, N.J.

 ANDRESEN, GILBERT J. C. (4'41), Physical & Electronics Research, Goodyear Bivd., Akron 16, Ohio.

 ANDRESEN, JACK S. (S'58-M'59), Design Engr., Berkeley Div., Beckman Instruments, 2200 Wright Ave., Richmond, Calif.
- ANORESS, EDWIN A. (M'56), Chlef Engr., Wrather-Alvaraz Broadcasting, Inc., KERO-TV, 1420 Truxtun Ave., Bakersfield, Calif.

- Alvaraz Broadcasting, Inc., KERO-TV, 1420 Truxtun
 Ave., Bakersfield, Calif.
 ANDRESS, PHILLP M. (M'53), Owner, Andco Sales
 Engrg., 5B23 Greene St., Philadelphia 44, Pa.
 ANDRESS, PHILLP M. (M'53), Owner, Andco Sales
 Engrg., 5B23 Greene St., Philadelphia 44, Pa.
 ANDREW, GORDON W. (SM'45), Chief, TV Sect., Aerial
 Reconnaissance Lab., Wright-Patterson AF B, Ohio.
 ANDREW, HAROLD B. (S'49-A'52-M'57), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N.J.
 ANDREW, ROBERT T. (A'49-M'55), Electronics Engr.,
 Bureau of Ships, Navy Dept., Main Navy Bidg.,
 Washington 25, D. C.
 ANDREW, VICTOR J. (A'25-M'30-SM'43-F'55), Chmn., Bd.
 of Dirs., Andrew Corp., 363 E. 75 St., Chicago 19, III.
 ANDREW, WARREN M. (A'43-M'47), Branch Head, Naval
 Research Lab., Washington 25, D. C.
 ANDREWS, ALFRED G. (A'46-M'56), Production Engr.,
 Electronic Materiels Internati., Ltd., 342 Gladstone Ave.,
 Ottawa, Ont., Canada.
 ANDREWS, ARTHUR H. (M'5B), Dev. Engr., Electronic
 Tube Plant, Canadian Marconi, 90 Trenton Ave., Montreal,
 P.O., Canada.
 ANDREWS, BENJAMIN I. (A'55), Engr., RCA, Camden,
 N. I.

- ANDREWS, BENJAMIN I. (A'55), Engr., RCA, Camden,
- ANDREWS, BURTON H. (S'46-A'49-M'52), Cmdr., USN, Shipbuilding & Repair Supt., Mare Island Naval Shipyard, Vallejo, Calif.
- ANDREWS, CLARENCE A., JR. (S'52-A'53-M'56), Microwave Engr., Dalmo Victor Co., 1515 Industrial Way, Belmont, Calif.
- ANDREWS, DALLAS R. (M'47), Engr., RCA, Camden
- ANDREWS, DALLAS R. (M'47), Engr., RCA, Camden B, N.J.
 ANDREWS, DAVID H. (SM'55), Sect. Head, Computer, Cathode Ray & Photo Electronics Sect., Material Lab., Code 921, New York Naval Shipyard, Brooklyn 1, N.Y.
 ANDREWS, DAVID S. (A'5B), Sr. Clerk, Ontario Dept. of Mines, Toronto, Ont., Canada.
 ANDREWS, E. JAMES, JR. (M'5B), Research & Dev. Engr., Collins Radio Co., Cedar Rapids, Iowa.
 ANDREWS, EDWARD F. (A'26-VA'39), Owner-Dir., E. F. Andrews Labs., 105 15 St., Belleair Beach (via Indian Rocks Beach), Fla.
 ANDREWS, ELMER (A'41-M'55), Chief Engr., Transvision, Inc., 460 North Ave., New Rochelle, N.Y.
 ANDREWS, ERNEST G. (A'45-M'55), Digital Computer Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

- N.H.

 ANDREWS, FRANCIS C. (S'52-A'54), Elec. Engr., 8912
 Torrence Ave., Brooklyn 9, Ohio.

 ANDREWS, FRANK J. (M'51), Registrar, Penn Technical
 Institute, 5440 Penn Ave., Pittsburgh 6, Pa.

 ANDREWS, FRED E. (A'55), Communications Engr.,
 Beaumont Broadcasting Co., KFDM, 1420 Calder Ave.,
 Beaumont, Tex.
- Deaumont, Tex.
 ANDREWS, FREDDIE D. (A'50), Electronics Engr.,
 U.S. Naval Shipyard, Pearl Harbor, Hawaii.
 ANDREWS, FREDERICK T., JR. (S'4B-A'49-M'55),
 Transmission Systems Engr., Bell Tel. Labs., Murray
 Hill, N.J.
- ANDREWS, GILMAN B. (A'41-M'55), Supvy. Engr., Bendlx Aviation Corp., Box 5115, Detroit 35, Mich.
- Bendix Aviation Corp., Box 5115, Detroit 35, Mich.

 ANDREWS, GLENN B. (S'56-M'57), Field Engr., Tech. Rep., Hughes Aircraft Co., Culver City, Callf.

 ANDREWS, GRAHAM R. (S'48-A'52-M'57), Instrument & Control Engr., Canadian GE Co., Ltd., Park St., Peterborough, Ont., Canada.

 ANDREWS, GUILLERMO J. (M'38-SM'43), Commercial Dir., Compania Standard Electric Argentina, Uruguay 1037, Buenos Aires, Argentina.

 ANDREWS, GUILLERMO J. (M'38-SM'43), Commercial Dir., Compania Standard Electric Argentina, Uruguay 1037, Buenos Aires, Argentina.

 ANDREWS, HARRY J. (A'57), Sales Mgr., Fernwall Electronics, Inc., 51 Mellen St., Framinoham, Mass.

 ANDREWS, HARRY J. (A'57), Sales Mgr., Fernwall Electronics, Inc., 51 Mellen St., Framinoham, Mass.

 ANDREWS, HOWARD W. (S'45-A'54-M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 ANDREWS, JOHN S. (S'57-M'59), Engr., Sperry Microwave Electronics Co., Clearwater, Fla.

 ANDREWS, JOHN S. (A'47), Chief Engr., Southern Broadcasting Co., Ellis Rd., Rossville, Ga.

 ANDREWS, JOHN S. (A'47), Chief Engr., Southern Broadcasting Co., Ellis Rd., Rossville, Ga.

 ANDREWS, JOHN S. (S'53-A'53-M'59), System Engr., GE Co., Syracuse, N.Y.

 ANDREWS, JOHN S. (S'53-A'53-M'59), Design Engr., RCA, Moorestown, N.J.

 ANDREWS, LANDREME J. (M'56), Chmn. of Research Analysis, Natl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthome, Callf.

 ANDREWS, LAVERN A. (S'52-A'53-M'5B), Field Test Project Head, Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 ANDREWS, LAVERNCE W. (M'57), Pres., L. W. Andrews, Inc., & Eastern Iowa Radio School. 625 W.

- AND REWS, LAWRENCE W. (M'57), Pres., L. W. Andrews, Inc., & Eastern Iowa Radio School, 625 W. 53 St., Davenport, Iowa.
- 53 St., Davenport, Iowa.
 ANDREWS, LEO G. (S'57-A'5B), Commercial Radio Monitoring Co., B540 Hillcrest Rd., Kansas City, Mo. ANDREWS, MILBURN B. (M'55), Sales Engr., Collins Radio Co., Cedar Rapids, Iowa.
 ANDREWS, PAUL D. (A'23-M'29-SM'43), Engrg. Standards, HMED, GE Co., Syracuse, N.Y.

- ANDREWS, RAYMOND W. (A'35-M'46), Mgr., Finished Goods Planning, Westinghouse Elec. Corp., Elmira, N.Y. ANDREWS, RICHARD C. (A'5B), Production Engrg. Technician, Sylvania Elec. Prods., Inc., 1221 W. 3rd St., Williamsport, Pa. ANDREWS, ROBERT C. (A'55), Electronics Engr., Hughes Aircraft Co., Fullerton, Calif. ANDREWS, ROBERT E. (S'50-A'52-M'57), Aeronautical Research Engr., Natl. Aeronautics & Space Administration, Langley Research Center, Langley AFB, Va. ANDREWS, ROBERT J. (S'43-A'49-M'5B), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. ANDREWS, ROGER S. (A'57), Engr., Communications & Radar, GE Co., Syracuse, N.Y. ANDREWS, ROLAND E. (S'55-M'57), Sr. Engr., Microwave Engrg. Labs., Inc., 943 Industrial Ave., Palo Alto, Calif.

- Palo Alto, Calli.
 ANDREWS, WESLEY J. (A'46), Meter Specialist, Western
 Massachusetts Electric Co., 251 Wilbraham Ave., Springfield 9, Mass.
 ANDREWS, WILLIAM A. (M'5B), Design & Dev. Engr., GE

- field 9, Mass.

 ANDREWS, WILLIAM A. (M'5B), Design & Dev. Engr., GE
 Co., Syracuse, N.Y.

 ANDREWS, WILLIAM E., JR. (M'5B), Electronics Engr.,

 Industrial Mgr., USN, BND, U.S. Naval Sta., New
 Orleans, La.

 ANDREWS, WILLIAM F. (S'52-A'53-M'5B), Asst. Chief,

 Radio Installation, Pan-American World Airways, San Fran
 cisco Internatl. Airport, South San Francisco, Calif.

 ANDREWS, WILLIAM J. (A'53-SM'58), Engr., HMED,

 GE Co., Syracuse, N.Y.

 ANDREWS, WILLIAM R. (S'53-M'56), Field Engr.,

 Bendix Radio Div., Baltimore, Md.

 ANDRIS, JAMES (M'54), Engr., Bureau of Ordnance,

 Navy Dept., Washington 25, D.C.

 ANDRICK, CARSON A. (A'56), Mfrs. Rep., Massey

 Associates, 111 Certerway, Greenbelt, Md.

 ANDROS, LAWRENCER. (S'53-A'55), Elec. Engr.,

 RCA, Moorestown, N. J.

 ANDRS, MILLIAM L. (S'55-M'56), Assoc. Engr., Genl.

 Mills, Inc., Mech. Div., 2003 E. Hennepin Ave.,

 Minneapolis 13, Minn.

 ANDRUS, A. M. GREG (M'56), Chief, Genl. Research

 Sect., Signal Research Office, Research & Development

 Div., Office of Chief Signal Officer, Washington 25, D.C.

 ANDRUS, O. F. NILS (M'59), Engr., Communication Prod.

 Dept., GE Co., Mountain View Rd., Lynchburg, Va.

 ANDZER, ABRAHAM (A'44), Pres., Rochester Electronics

 Corp., 590 Hudson Ave., Rochester 21, N.Y.

 ANDEEN, ARNOLD L. (M'56), Electronics Engr., Stromberg:

 Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 ANGEL, ARTHUR M. (M'57), Project Engr., Natl. Cash

 NGEL, ARTHUR M. (M'57), Project Engr., Natl. Cash

- ANGEL, ARTHUR M. (M'57), Project Engr., Natl. Cash Register Co., E.D., 1401 E. El Segundo Blvd., Haw-thome, Calif.
- ANGEL, FLORENCIO F. (A'58), USCG, Yeaton Hall, USCG Academy, New London, Conn. ANGEL, HENRY R. (S'5B-M'59), Sr. Engr., Dynamics Branch, Avionics Sect., Sikorsky Aircraft Div., Stratford, Conn.
- Conn.

 ANGEL, KARL W. (S'55-M'55), Applications Engr.,
 RCA, Harrison, N.J.

 ANGEL-FERNANDEZ, MANUEL (A'27-VA'39), Pres. &
 Mgr., Equipos Radio Cinematograficos S.A., Mississippi
 59, Mexico 5, D.F., Mexico.

 ANGELAKOS, DDDGE J. (A'45-S'4B-A'49-SM'52), Assoc.
 Prof., Elec. Engrg., Viniv. of California, Cory Hall,
 Berkeley 4, Calif.

 ANGELARI, RICHARD D. (A'57), Instr., Elec. Engra.
- Berkeley 4, Callf.

 ANGELARI, RICHARD D. (A'57), Instr., Elec. Engrg., Pratt Institute, 215 Ryerson St., Brooklyn 5, N.Y.

 ANGELASTRO, SALVATORE P. (S'51-A'52), Dir., Research, SPA Electronic Labs., 669 Hawthorne St., Brooklyn 3, N.Y.
- Brooklyn 3, N.Y.

 ANGELE, WILHELM (A'53), M/g. Chief, Redstone Arsenal, Guild & Contr. Lab. OML, Huntsville, Ala.

 ANGELL, JAMES B. (S'45-A'47-M'55-SM'57), Mgr., Circuit Research, Philoc Corn., C & Tiopa Sts., Philadelphia 34, Pa.

 ANGELLO, JOSEPH P. (S'5B-M'59), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 ANGELLO, STEPHEN J. (SM'52), Consulting Engr., Westinghouse Elec. Corp., Research Labs., Peulah Rd., Pittsburgh 35, Pa.

 ANGELO FRIEST I. ID. (S'42-A'4A-CMISA) Deaf

- Pittsburgh 35, Pa.

 ANGELO, ERNEST J., JR. (S'42-A'44-SM'54), Prof., Elec. Engro., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.

 ANGER, HAL O. (A'45-M'55), Engr., Donner Lab. & Lawrence Radiation Lab., Univ. of California, Berkeley 4, Calif.
- ANGER, LE ROY E. (M'57), Mfrs. Rep., Anger Associates, 13126 Michigan Ave., Dearborn, Mich. ANGEVINE, ALBERT R. (M'56), Assoc. Engr., IBM, Owego, N.Y.
- ANGEVINE, OLIVER L., JR. (S'36-A'37-SM'40), V.P. & Chlef Engr., Caledonia Electronics & Transformer Co., Drawer 9B, Caledonia, N.Y.

- Drawer 9B, Caledonia, N.Y.

 ANGEVINE, RICHARD A. (A'46-M'55), Microwave Consultant, Servionics, Inc., Shore Rd., Glenwood Landing, N.Y.

 ANGLE, EDWARD E. (S'54-M'56), Electronics Engr., Pacific Missile Range, Point Mugu, Calif.

 ANGLE, STACY L. (S'52-A'54), Dev. Engr., Minneapolis-Honeywell Regulator Co., 1915 Armacost Ave., West Los Angeles 25, Calif.

 ANGLIN, DELBERT (A'47-M'55), Chief, Test Facility Sect., Directorate of Flight & All-Weather Testing, Wright Air Development Center, Wright-Patterson AFB, Ohio.

 ANGLIN, FRANK M. (S'56-A'57), 283 Chapel St.,
- Wright Air Development Center, Wright-Patterson AFB, ANGLIN, FRANK M. (S'56-A'57), 2B3 Chapel St., Ottawa, Ont., Canada.
 ANGOT, ANDRE M. (SM'51), Dir. Technique, Telecommunications Radioelectriques et Telephoniques, 92 Rue Brillat-Savarin, Paris XIII, France.
 ANGST, DERRILL C. (A'41-M'55), Electronics Engr., U.S. Army Signal Corps, Box 205, Mountain View, Calif.
- ANGULO, CARLOS M. (S'50-A'52-M'52-SM'56), Prof., Engro., Brown Univ., Providence 12, R.I. ANGUS, ALEXANDER C. (M'55), Engr., GE Co., Syracuse,

- ANGUS, ROBERT B., JR. (SM'57), Sect. Head, Sylvania Elec. Prods., Inc., 189 "B" St., Needham 94, Mass. ANGWIN, BRUCE S. (4'4B-SM'52), Regional Mgr., GE Co., 11B40 W. Olympic Blvd., Los Angeles 64, Calif. ANICK, GEORGE (S'45-A'49), Electronics Scientist, New York Naval Shipyard, NML, Code 924, Brooklyn 1, N.Y.

- N.Y.
 ANIS, JACQUES (S'5B-A'59), Engr., Belock Instrument
 Com., College Poirt, L.I., N.Y.
 ANISSIMOV, BORIS A. (S'5B-M'59), Assoc. Engr.,
 Lockheed Aircraft Com., Sumnyvale, Calif.
 ANJOU, LARS A. (M'55), Degs. Head, Telefonaktiebolaget, L. M. Ericsson, Stockholm 32, Sweden.
 ANKELE, ERNEST T., JR. (A'50-M'51), TV Engr.,
 WFAA-TV, 3000 Harry Hines Blvd., Dallas, Tex.
 ANKENBRANDT, FRANCIS L. (SM'50-F'57), Mgr.,
 Defense Projects, Defense Electronics Prods., RCA,
 Camden 2, N.J.
- ANKENBROCK, CHARLES A. (A'56), Sr. Engr., Allen B. DuMont Labs., Inc., 35 Market St., East Paterson, N.J.
- N.J.

 ANKER, ERNEST R. (S'49-A'50-M'56), Engr., Hughes Aircraft Co., Culver City, Calif.

 ANKERS, ROBERT E., JR. (M'4B), Consulting Radio Engr., Developmental Engrg. Corps., 1000 Connecticut Ave., N.W., Washington, D.C.

 ANKERSTAR, ROBERT H. (S'50-A'52-M'57), Test Equipment Engr., Hughes Aircraft Co., Airport Site, Los Angeles 45, Calif.

- ment Engr., Hughes Aircraft Co., Airport Site, Los Angeles 45, Calif.

 ANKNEY, LOUIS J. (A'57), Field Engrg. District Service Supvr., ElectroData Div., Burroughs Corps., 1145 19 St., Washington, D.C.

 ANKNEY, SAMUEL M. (A'55-M'5B), Sr. Lab. Technician, Sperry Piedmont Co., Rte. 29, Charlottesville, Va.

 ANKRUM, PAUL D. (A'39-M'55), Assoc. Prof., Elec. Engrg., Phillios Hall, Cornell Iniv., Ithaca, N.Y.

 ANLAGE, JOSEPH J. (A'53), Mgr., RCA, Camden, N.J.

 ANMUTH, MARVIN (S'55-M'57), Radio-Elec. Engr., United Air Lines Maintenance Base, Internati. Airport, San Francisco 2B, Calif.

 ANNAS, PERRY D., JR. (M'52), Owner, Perry's Electronic Service, 930 Fairground Ave., Greensboro, N.C.

 ANNER, GEORGE E. (A'46-SM'54), Prof., Elec. Engrg., Univ. of Illinois, Urbana, Ill.

 ANNETT, JOHN C. (S'56-M'59), Sales Engr., Andrew Antenna Corp., Ltd., 606 Beech St., Whitby, Ont., Canada.

 ANNETT, MELVIN E. (A'51), Project Engr., Philco Corp.,

- Antenna Corp., Ltd., 606 Beech St., Whitby, Ont., Canada.

 ANNETT, MELVIN E. (A'51), Project Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 ANNUS, LEONHARD E. (A'56), Design Engr., RCA TV DIV., Camden, N.J.

 ANOLIK, BERNARD S. (M'54), Instr., RCA Institutes, Inc., 350 W. 4 St., New York 14, N.Y.

 ANOUCHI, ABRAHAM Y. (M'57), Circuit Design Engr., Sylvania Eiec. Prods., Inc., Woburn, Mass.

 ANSELMI, S. C. (A'15-M'46)(L), Consultant, Radio-Suisse S. A., Case postale 1549, Berne 2, Switzerland.

 ANSLEM, S. C. (A'15-M'46)(L), Consultant, Radio-Suisse S. A., Case postale 1549, Berne 2, Switzerland.

 ANSLEY, ARTHUR C. (A'30-VA'39), Pres., Arthur Ansley Mfg. Co., New Hone, Pa.

 ANSON, C. T. (A'29-VA'39), Engr., KMJ, 1515 Van Ness, Fresno 22, Calli.

 ANSON C. T. (A'29-VA'39), Engr., The Hartford Electric Light Co., 400 Sheldon St., Hartford, Corn.

 Michigan Beli Tel. Co., 1365 Cass Ave., Detroit 26, Mich. ANSPACHER, WILLIAM B. (M'46-SM-S3), Chief, Engr., Dept., Naval Ordnance Lab., White Oak, Silver Spring, Md.

 ANSTETT, FRANCIS D. (M'54-SM'5B), Asst. to V. P.
- Md.

 ANSTETT, FRANCIS D. (M'54-SM'5B), Asst. to V.P., Engrg. & Production Div., Alrborne Instruments Lab., 160 Old Country Rd., Mineola, L.I., N.Y.

 ANT, EUGENE B. (S'50-A'52-M'57), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 ANTELL, STANLEY (S'3B-A'40-M'55), Sr. Staff Mem., Ramo-Woodridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.

- ANTESBERGER, EDWARD A. (S'56-A'59), Instr., Capitol Radio Engrg. Institute, 3224 16 St., Washington 10, D.C.
- ANTHARVEDI, ANNE (A'57), Asst. Instr., Moore School of Elec. Engrg., Univ. of Pennsylvania, Philadelphia 4,
- ANTHES, JACOB (A'47), Prod. Engr. & Owner, American Scientific Development Co., 334-336 S. Main St., Ft. Atkinson, Wis.
- Atkinson, Wis.

 ANTHES, RAYMOND G. (S'37-A'3B-SM'46), Advisory Engr., Genl. Communications, Electronics Div., Canadian Westinghouse Co., Ltd., Hamilton, Ont., Canadian ANTHONY, AARON R. (M'57), Lt. Col., USAF, Communications & Electronics Staff Officer, Directorate of Maint. Engrg., Dep. Chief of Staff, Materiel, Hgrs., USAF, Washington 25, D.C.

 ANTHONY, DAVID J. (S'42-A'45-M'55), Project Engr., Ryan Aeronautical Corp., 2701 Harbor Dr., San Diego 12, Calif.
- ANTHONY, FREDERICK (A'57), Group Leader, Instrument Lab., Orenda Engines, Ltd., Test Est., Nobel, Ont., Canada.

- Canada
 ANTHONY, GEORGE E. (A'45-M'55), Staff Engr.,
 WBNS-TV, Dispatch Printing Co., 495 Olentangy
 Blvd., Columbus 15, Ohio.
 ANTHONY, IRVING B. (A'47-M'55), Assoc. Dir., Systems,
 Govt. Electronics Div., Emerson Radio & Phonograph Co.,
 14 & Cole Sts., Jersey City 2, N. 1
 ANTHONY, JAMES P., JR. (S'45-A'49-M'55-SM'5B),
 Mgr., Customer Services, Industrial Instrumentation Div.,
 Texas Instruments, Inc., 3609 Buffalo Speedway, Houston
- 6, Tex.
 ANTHONY, ROY L. (A'46-SM'54), V.P., Mid-Eastern Electronics, Inc., 32 Commerce St., Sprindfield, N.J. ANTIN, JOSEPH (S'4B-A'50-M'55), Research Engr., Fairchild Camera & Instrument Corp., 2 Aerial Way, Syosset, L.I., N.Y.
 ANTISTA, BART A. (S'49-A'53-M'57), Engrg. Supvr., Armament Control Group, No. Amer. Aviation, Downey, Calif.
- Calif.
 ANTMAN, HERBERT S. (S'50-A'53-M'5B), Elec. Engr.,
 Sylvania Elec. Prods., Inc., Bayside, L.I., N.Y.
 ANTMAN, MARTIN A. (A'41-M'45-SM'51), Electronics
 Engr., Datamatic Div., Minneapolis-Honeywell Regulator
 Co., 151 Needham St., Newton 61, Mass.

- ANTO, HUBERT (S'54-A'54), Aero Design Engr., Minneapolis-Honeywell Regulator Co., Leaside, Toronto, Ont., Canada.
 ANTON, AARON (M'52), Chief Engr., Deltron, Inc., 2905-17 N. Leithgow St., Philadelphia, Pa.
 ANTON, AMDREW J. (45'7), Antenna Design Engr., Admiral Corp., 3800 W. Cortland St., Chicago 47, III.
- ANTON, FRANK C. (A'55), Writing Group Head, Hallamore Electronics Co., Inc., 714 N. Brookhurst St., Anahelm, Calif.
- ANTON, NICHOLAS G. (M'44-SM'44-F'56), Pres. & Dir., Research, Anton Electronic Labs., Inc., 1226 Flushing Ave., Brooklyn 10, N.Y.

- Flushing Ave., Brooklyn 10, N.Y.

 ANTON, RICHARD F. (S'50-A'51-M'57), Elec. Engr., Pratt & Whitney Alteraft, East Hartford, Conn.

 ANTONEVICH, JOHN N. (S'49-A'50-M'56), Principal Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 ANTONIO, JOHN (A'57), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman, Rochester, N.Y.

 ANTONIOU, MAYROUDIS I. (M'56), Sr. Engr., Bendix Aviation Corp., Northwestern Hwy. & 10 1/2 Mile, Detrolt, Mich.
- MICh.
 ANTONOV, ALEKSEY F. (A'57), Asst. Air Attache,
 Embassy of the USSR, Washington, D.C.
 ANTONUCCI, PETER (S'50-A'51-M'57), Sect. Chief,
 Electronic Warfare Lab., Rome Air Oevelopment Center
 Griffiss AF8, N.Y.
- ANTONY, CHARLES (M'59), Sect. Head & Staff Scientist, Lockheed Missile & Space Div., Box 504, Sunnyvale,
- Calli:

 ANTOSY, STEPHEN J. (A'S1-M'53), Mgr., Far East Area, RCA Service Co., APO 323, San Francisco, Cailf.

 ANTRIM, GLENN H. (A'S1), Engr., Patent Agent, Collins Radio Co., Cedar Raplds, lowa.

 ANTUL, JOHN J. (SM'55), Sect. Head, Marquardt Pomona Div., 2709 N. Garey Ave., Pomona, Callif.

 ANTACK, THOMAS G. (M'58), Sales Engr., Electro-Mechanical Research, Fruitville Rd., Sarasota, Fla.

 ANWAY, HARTWELL E. (S'51-A'53-M'57), Engr., GE Co., Utica, N.Y.

 ANZALONE, ANTHONY T. (S'50-M'56), Engr., Sperry-Rand Corp., Carle Place, L.I., N.Y.

 ANZALONE, PHILIP J. (M'56), Elec. Engr., RCA, Camden, N.J.

- Camden, N.J.

 ANZEL, BERNARD M. (S'53-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 AOI, SABURO (A'57), Dir., Microwave Research Dept., OKI Electric Industry Co., Ltd., 4-1, Nishi-Shibaura, Minato-Ku, Tokyo, Japan.

 AOYAGI, KENJI (SM'58), c/o Prof. W.R. Le Page, Engrg. Dept., College of Engrg., Syracuse Univ., Syracuse 10, N.Y.

- N.Y.
 AOYAMA, HENRY T. (S'51-A'52-M'57), Electronics
 Engr., Raytheon Mfg. Co., Bedford, Mass.
 APA, FRANK E. (S'50-A'51), Sr. Electronics Engr.,
 Feedback Controls, Inc., 20300 Leadwell St., Canoga
 Park, Calif.
- APAYDIN, PERTEV (A'56), Giftehavuzlar Cezmior, Sok. 15-1 Goztepe, Istanbul, Turkey.

 APEL, CHARLES K. (S'50-A'51-M'56), Field Rep., Simmonds Aerocessories, Inc., 9124 Stoux Dr., St. Louis 23, Mo.
- APEL, WARREN C. (\$'56-M'58), Research Engr., Cal Tech Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena Calif
- APELBAUM, JOSEPH H. (A'55), Head, Process Engrg. Dept., Power Tube Div., Raytheon Mfg. Co., Waltham 54, Mass.
- APFEL, GEORGE J. (A'47), Pres., Piezo Electronic Research, Inc., Prospect & W. Madison Ave., Dumont, N.J.
- Research, Inc., Prospect & W. Madison Ave., Dumont, N.J.

 APFELBAUM, JEROME G. (S'57-M'58), Engr., Revere Camera Co., 320 E. 21 St., Chicago, III.

 APFELBECK, CHARLES A. (S'57-A'58), Lab. Technician, Aeronautical Radio, Inc., 1700 K St., Washington, D.C.
 APGAR, ROBERT R., JR. (A'50-M'55), Project Engr., Crosley Div., Avco Mig. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 APICELLA, LOUIS C. (M'58), Elec. Engr., Sperry Rand Corp., Great Neck, L.I., N.Y.

 APOLENIS, CHARLES J. (S'41-A'44-M'55), Asst. Chief, Industrial Div., Dept. of Army, Diamond Ordnance Fuze Lab., Washington, D.C.

 APOLITO, PETER L. (S'54-M'58), Elec. Engr., RCA Victor, Camden, N.J.

 APOSTOLAKIS, GEORGE C. (M'56), Field Engr., Philoo Corp., 22 & Lehigh Sts., Philadelphia, Pa.

 APOSTOLOS, TIMOTHY (M'51), Electronics Engr., FCC, 30th AD (SAGE), Truax Field, Madison, Wis.

 APPEL, HENRY W. (A'29-M'40-SM'43), 145 E. 82 St., New York 28, N.Y.

 APPEL, WILLIAM N. (A'57), Electronics Design Engr., Ouality Assurance, Terb. Anenor, U.S. Agroc'Dentical

- New York 28, N.Y.

 APPEL, WILLIAM N. (A'57), Electronics Design Engr.,
 Quality Assurance Tech. Agency, U.S. Army Chemical
 Center, Edgewood, Md.

- Center, Edgewood, Md.

 APPELBAUM, GERALD (A'53), Engr., Consumers Union of U.S., Inc., 256 Washington St., Mt. Vermon, N.Y.

 APPELGREN, JAMES W. (A'58), Engr., W.F. & John Barnes, Water St., Rockford, III.

 APPELMAN, JULES F. (A'54), Pres., Command Systems, Inc., 11342 Playa St., Culver City, Calif.

 APPERSON, DONALD D. (S'58-M'59), Jr. Engr., RCA Service Co., 838 N. Henry St., Washington 24, D.C.

 APPLE, HOMER L. (A'44-M'46), Sect. Chief, 843-2, Bell Tel. Labs., 204 Graham-Hopedale Rd., Burlington, N.C.; Owner & Engr. in Chg., Apple Frequency Measuring Scrvice, 409 Union Ave., Burlington, N.C.

 APPLE, JOSEPH S. (S'57-M'58), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 W. El Segundo, Los Angeles 45, Calif.

 APPLE, LEE S. (S'42-A'45-M'51), Engr., GE Co.,

- APPLE, LEE S. (S'42-A'45-M'51), Engr., GE Co., Syracuse 1, N.Y. APPLE, ROBERT C. U'33-A'34-VA'39-M'55), Engr., Dayton Avlation Radio & Equipment Corp., R.R. 3, Dixle Hwy., Troy, Ohio.
- APPLEBAUM, ALBERT (A'49-M'55), Physicist, Naval Ordnance Lab., White Oak, Md. APPLEBAUM, SIDNEY P. (A'51-SM'57), Consulting Engr., HMED, GE Co., Syracuse, N.Y.

- APPLEBAUM, STANLEY J. (M'56), Sr. Lab. Engr., New York State Psychiatric Institute, 722 W. 168 St., New York 32, N.Y.
- York 32, N.Y.

 APPLEBERRY, THOMAS K. (S'49-A'52-M'57), Sr. Engr.,
 ITT Labs., Box 146, Lexington Park, Md.

- ITT Labs., Box 146, Lexington Park, Md.
 APPLEFORD, LYLE R. (S'50-4'52-M'57), Research Engr.,
 Boeing Airplane Co., Seattle, Wash.
 APPLEGARTH, A. R., JR. (A'36-SM'47), V.P., Engrg.,
 Natl. Aeronautical Corp., Ft. Washington, Pa.
 APPLEGATE, C. J. (S'49-A'50-M'55), Pres., C. J.
 Applegate & Co., 1840 24 St., Boulder, Colo.
 APPLEGATE, CHARLES E. (A'51-SM'56), Sr. Engrg.
 Staff, Arthur O. Little, Inc., 20 Acom Park, Cambridge
 4.2, Mass.
 APPLEGATE, ELIGENE B. (M'57), Group Engr., Elec-
- APPLEGATE, EUGENE B. (M'57), Group Engr., Electronic Systems & Computations, GE Co., Box 7, Edwards, Calif.

- wards, Callt.
 APPLEGATE, HOMER E. (A'30-SM'47), Owner, Applegate Electric, Hicksville, Ohio.
 APPLEGATE, IVAN D. (SM'55), Western Electric Co., Winston-Salem, N.C.
 APPLEGATE, JAMES A. (SM'55), Electronics Engr.,
 Mason & Hanger-Silas Mason Co., Inc., Box 561, Burling-
- ton, Jowa.

 APPLEMAN, CARROLL G. (S'48-A'50-M'55), Sales Application Engr., Line Material Industries, McGraw Edison Co., 700 W. Michigan St., Milwaukee I, Wis.

 APPLEMAN, CHARLES B. (SM'58), District Sales Mgr., LMEO, GE
- APPLEMAN, CHARLES B. (SM'58), District Sales Mgr., LMEO, GE Co., 550 v. Idaho St., Seattle 4, Wash. APPLEMAN, LOUIS (S'56-M'57), Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I.N.Y. APPLEMAN, MELVIN A. (S'50-A'51-M'56), Design Engr., Oatamatic Corp., 151 Needham St., Newton, Mass. APPLEMAN, SIDNEY (M'58), Project Engr., Loral Electronics, 825 Bronx River Ave., Bronx 72, N.Y. APPLEQUIST, JAMES E. (A'53-M'58), Project Engr., IBM, 99 Notre Dame, San Jose 10, Calif. APPLETON, OAVID T. (M'57), Supvr., Electronics Service Dept., Westinghouse Elec. Corp., 600 St. Paul Ave., Los Angeles 17, Calif. APPLETON, ELIZABETH R. (A'55), Tech. Writer, Emerson Electric Co., 8100 W. Florissant, St. Louis, Mo. APPLETON, HARRY (A'56), Pres., Harry Appleton Co., Inc. & Natl. Wire & Cable Corp., 136 San Fernando Rd., Los Angeles 31, Calif. APPLEWHITE, THOMAS H., JR. (M'58), District Sales Mgr., Airpax Electronics, Inc., 2550 E. Foothill Blvd., Pasadena, Calif.

- APPLEWHITE, VIRGIL C. (A'55-M'58), V.P., Oficina Tecnica Armando Capriles C.A., Box 2530, Caracas, Venezuela.
- APPLIN, RICHARD H. (S'47-A'49-M'55), Sales Mgr., Electro Instruments, Inc., 3540 Aero Ct., San Diego 11, Calif.
- APPRILL, GILBERT P. (M'58), Sect. Leader, Instrumen Maint. Sect., Los Alamos Scientific Lab., Los Alamos,

- N.M.

 APRAMAMIAN, JOHN (S'55-A'56), Electronics Engr., The
 Martin Co., Baltimore 3, Md.

 AP RHYS, TOMOS L. (M'56), Engr., Applied Physics Lab.,
 The Johns Hopkins Univ., Silver Spring, Md.

 APRILETTI, CHARLES A. (S'49-A'51-M'58), Electronics
 Engr., RCA Service Co., Patrick AFB, Fla.

 APSOKARDOS, E. (S'57-A'58), 116 Pleasant St., Cambridge 39, Mass.

 APSTEIN, MAURICE (SM'51), Assoc. Dir., Research,
 Diamond Ordnance Fuze Labs. (Army Ordnance Corps),
 Washington 25, D.C.

 APULL, JOHN A. (SM'48), Systems Coordinator, Emercon
- Washington 25, D.C.
 APULI, JOHN A. (SM'48), Systems Coordinator, Emerson Research Lab., 701 Lamont St., N.W., Washington, D.C.
 ARABIAN, JACK H. (M'56), Electronics Sect. Leader,
 MIT instrumentation Lab., Cambridge 39, Mass.
 ARAGAO, SERGID A. P. (A'58), Av. Ruy Barboza 40, Flamengo, Rio De Janeiro, D. F., Brazil.
 ARAKAWA, WALLACE J. (S'55-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 ARAKELIAN, GEORGE P. (S'56-M'58), Launching & Handling Engr., Bendls Prods. Div., Missiles, 400 S.
 Beiger, Mishawaka, Ind.
 ARAM. NATHAN W. (S'39-A'41-M'45), Asst. V. P. &

- ARAM, NATHAN W. (S'39-A'41-M'45), Asst. V.P. & Chief Engr., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.
- Chicago 39, 111.
 ARAM, ROBERT A. (A'54), Plant Supvr., New York Telephone Co., 140 West St., New York 7, N. Y.
 ARAMS, FRANK R. (S'44-A'49-SM'55), Consultant, Applied Electronics Dept., Airborne Instrument Lab., Mineola,
- L.I., N.Y.
- L.I., N.Y.

 ARAND, EDWARD M. (A'45-M'48), Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.

 ARANY, DONALD M. (S'43-A'46-SM'52), Project Mgr.,
 Loral Electronics, 825 Bronx River Ave., Bronx 72, N.Y.

 ARAN, ROBERT M'58), Elec. Engr., Hughes Aircraft Co.,
 Culver City, Calif.

 ARAO, ROBERT S. (S'42-A'45-M'50-SM'54), Sr. Project
 Engr., Stromberg-Carlson Co., 1400 N. Goodman St.,
 Rochester 9, N.Y.

 ARASIM, JOHN, JR. (A'53), Asst. Chief Engr., Sparton
 Electronics, 2400 E. Ganson St., Jackson, Mich.

 ARBANEY, VERN A. (S'56-M'59), Project Engr., Sperry
 Utah Engrg. Labs., 322 N. 21, W., Salt Lake City 16,
 Utah.

- ARBO, ORESTES (A'58), Av. Martin Garcia 653, Buenos
- Argentina .

 ARBUCKLE, ROBERT D. (A'54), District Engrg. Mgr., Crossley Associates, Inc., 5420 N. College, Indianapolis 20, Ind.
- 20, Ind.
 ARBUCKLE, WILLIAM L. (M'57), Group Leader, Pershing Guldance Computer, The Martin Co., Orlando, Fla.
 ARBUTHNOTT, JOHN, JR. (A'54), Research Engr., PhelpsDodge Copper Prods. Corp., Point St., Yonkers, N. Y.
 ARCAND, ART T. (S'53-A'54-M'59), Elec. Engr., M. Ten
 Bosch Co., 80 Wheeler Ave., Pleasantville, N. Y.
 ARCAND, ROY T. (S'49-A'51-M'56), Purch. Agent, John
 Oster Mfg. Co., 1 Main St., Racine, Wis.
 ARCATE, IONN A. (S'49-A'51-M'56), Eurotypeopal Plane
- ARCATE, JOHN A. (S'49-A'50-M'56), Fundamental Plans Engr., New York Telephone Co., 140 West St., New York
- N. Y.
 ARCE, H. HUMBERTO (M'51), Sub-Dir. de la Radiodifusora y Televisora Nacionales de Colombia, Presidencia de la Re-publica (Informacion y Prensa, del Estado), Bogota, Colombia, South America.

- ARCE-BLANCO, RAFAEL (S'46-A'48-M'55), Prof. & Chmn., Physics Dept., Univ. of Puerto Rico, Rio Piedras, Puerto Rico.
- ARCHAMBAULT, GABRIEL (A'38-M'51), Pres., Institute of Electronics, 5938 St. Hubert St., Montreal, P.Q., Canada.
- Canada.
 ARCHAMBAULT, RAYMOND E. (S'56-M'58), Asst. Elec.
 Eigr., Raytheon Mfg. Co., Wayland, Mass.
 ARCHBALD. ROBERT W. (SM'56), Project Dir., New York
 Univ. Research Div., University Heiphts, Bronx 53, N.Y.
 ARCHER, CHARLES J. (A'43-M'46-SM'52), Mktg. Rep.,
 G.S.D., N. Central Region, RCA, 224 N. Wilkenson St.,
 Dayton, Ohio.
- ARCHER, GEORGE R. (A'54), Chief Engr., Electronic Controls, The Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.
- ARCHER, ROBERT F. (S'53-A'54), Elec. Engr., Natl. Cash Register Co., Malne & K Sts., Dayton, Ohio. ARCHER, WOODY L. (S'54-A'55), Lt., USAF, Communications & Electronics Officer, 775th ACW Sqdn., Cambria AFB, Calif.
- AFB, Calif. ARCHIBALD, W. ROBERT (M'55), Servomechanisms Engr., Bell Aircraft Corp., Buffalo 5, N.Y.
 ARCIDIACONO. JOSEPH (S'49-A'50-M'55), Project Engr., Eclipse Pioneer, Bendix Avlation Corp., Teterboro, N.J.
 ARCIUCH, JUSEPH P. (S'57-M'58), Flec. Engr., Hughes Aircraft Co., Culver City, Calif.
 ARDELIAN, THEODORE E. (A'48-M'53), Asst. Supt. of Radio Communications, Hudson's Bay Co., Hudson's Bay House, Winnipea, Man., Canada.
 ARDEN, DEAN N. (M'59), Asst. Prof., MIT, Cambridge 39, Mass.
 ARDITI, MAURICE (SM'46), Sr. Project Engr., ITT Labs., Nutley 10, N.J.
 ARDYS., JOSEPH J. (S'55-M'56), Design Engr., Low

- ARDYS, JOSEPH J. (S'55-M'56), Design Engr., Low Voltage Switchgear Dept., GE Co., 6901 Elmwood Ave., Philadelphia, Pa.
- Voltage Switchgear Dept., GE CO., byOl Elimwood Ave., Philadelphia, Pa.

 ARELLANO-MORENO, HECTOR (S'57-M'58), 132-27
 Antonio Caso, Col. SN. Rafael, Mexico 4 D.F., Mexico.

 ARENA, FRANK G. (A'57), Liaison Techniclan, Electronic Communications, Inc., Maritime Base, St. Petersburg, Fla.

 ARENA, G. (A'54), Lab. Engr., Trans-Canada Airlines, Montreal Airport, Dorval, P. Q., Canada,

 ARENBERG, DAVID L. (A'51-M'56), Pres., Arenberg Ultrasonic Lab., Inc., 94 Green St., Jamalca Plain 30, Mass.

 ARENDT, EOWARD J. (A'52), Pres., K. V. Transformer Coro., 20 E. Franklin St., Danbury, Conn.

 ARENS, RALPH P. (S'51-A'51-M'57), Project Engr., Collins Radio Co., Cedar Rapids, Iowa.

 ARENS, VIRGIL R. (S'56-M'58), Engr., American Bosch Arma Corp., Garden City, L.1., N.Y.

 ARENS, WAYNE E. (S'53-M'56), Research Engr., California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.

- dena 3, Calif.

 ARENSTEIN, GILBERT H. (SM'48), Custom Equipment Rep., RCA, 224 N. Wilkinson St., Dayton, Ohlo.

 ARES. MANUEL (M'56), Engr., GE Co., Ithaca, N.Y.

 ARFIN, ALBERT D. (M'57), Elec. Engr., Airborne Instrument Lab., 160 Old Country Rd., Mineola, L.I., N.Y.

 ARFIN, BERNARD (S'47-A'9-SM'55), Assoc. Physicist, Philips Labs., Irvington-on-Hudson, N.Y.

 ARFMAN, ROBERT W. (M'59), Sr. Engr., P. R. Mallory & Co., Inc., 3029 E. Washington St., Indianapolis, Ind.

 ARFORD, FRANCIS W. (A'53-M'58), Sr. Design Engr., Convair, San Diego, Calif.

 ARGALL, GORDON J. (A'49-M'55), Dir., Educational Re-
- ARGALL, GORDON J. (A'49-M'55), Dir., Educational Research, De Vry Tech. Institute, 4141 W. Belmont St., Chicago 41, III.
- ARGON, RAUF S. (S'50-A'51-M'56), Chief Electronics Engr., Neptun T.A.O., Selanikcaddesi 16, Yenisehir, Ankara, Turkey.
- Ankara, Turkey.

 ARGUE, THOMAS A. (S'48-A'49-M'55), Chief Engr., Natl. Sound Services, Ltd., 1785 Bois Franc Rd., Montreal 9, P.Q., Canada.

 ARGUELLO, ROGER J. (M'57), Mem. Tech. Staff, G. C. Dewey Co., 202 E. 44 St., New York 17, N.Y.

 ARGUIN, ROGER G. (S'57-M'58), Prod. Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 ARGY, THOMAS W. (M'57), Design Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III.

 ARGYLE, JOHN V. (A'54), Supt. of Requirements, Electronics, Govt. of Canada, Dept. of Natl. Defence, Ottawa, Ont., Canada.

- Ont., Canada.

 ARGYLE, LEROY C. (A'52), Sr. Automation Engr., Corning
 Glass Works, Corning, N. Y.

 ARIALL, HERRY E., JR. (S'56-M'57), Dev. Engr., Collins
 Radio Co., 1930 HILine Dr., Dallas, Tex.

 ARIEL, CARMI (A'56), Research Engr., Govt. of Israel,
 Ministry of Defense, Kiriat Motzaim, Box 1, Israel.

- ARIESSOHN, EDMOND R. (M'52), Sr. Engr., Research & Dev., Avion Div., ACF Industries, 11 Park Pl., Paramus, N.J.
- N.J.
 ARILDSEN, MAURICE J. (M'59), Tube Engr., Raytheon
 Mfg. Co., Waltham, Mass.
 ARISTEI, JEROME (S'43-A'45-M'49), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 ARISTOGENIS, GEORGE S. (A'57), Supvr., P.P.C. Radio
 Network, Public Power Corp., Chalkokondili 30, Athens,
 Greece
- Weever, GRAYDON W. (M'57), Instrument Dev. Technician, Canadian Chemical Co., Box 99, Edmonton, Alta, Canada. ARKWRIGHT, LYMAN P. (A'54), Head, Engrg. Data & Field Service, Goodyear Aircraft Corp., Massillon Rd., Akron, Ohio.
- Akron, Ohio,

 ARLAN, LIONEL (S'53-A-54), Class B Design & Dev. Engr., RCA, Camden 2, N.J.

 ARLIN, MARSHALL N. (M'47-SM'57), Chief, Instrumentation Sect., Pickard & Burns, Inc., 240 Highland Ave., Needham 94, Mass.

 ARLOWE, HERBERT H. (SM'55), Engr.-In-Chg., FCC, 806 Federal Office Bidg., Seattle 4, Wash.

 ARM, MOSES (S'56-M'57), Lab. Smovr., Columbia Univ., Electronics Research Labs., 632 W. 125 St., New York 25, N.Y.
- 25, N.Y.
 ARM, WILLIAM (M'59), Research Engr., Fairchild Camera & Instrument Corp., Syosset, L.I., N.Y.
 ARMAND, HAROLD A. (SM'59), Electronics Design Engr., Texas instruments, Inc., Houston, Tex.
 ARMANI, LOUIS J. (M'57), Electronics Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

ARM-ARZ - 77 -

- ARMANN, DEAN E. (S'56-M'59), Engr., Hewlett Packard Co., 275 Page MIII Rd., Palo Alto, Calif.
 ARMBRUSTER, GEORGE J. (S'49-A'50), Engrg. Group Leader, RCA, Moorestown, N.J.
 ARMBRUSTER, KENNETH L. (S'55-M'5B), Electronics Engr., Convair, Pomona, Calif.
 ARMENT, ZELMA R. (A'55), Electronics Engr., USAF, WAOC, Aero Medical Lab., Wright-Patterson AFB, Ohio.
 ARMER, PAUL (M'57), Head, Numerical Analysis Dept., Rand Corp., 1700 Main St., Santa Monica, Calif.
 ARMI, EDGAR L. (SM'5B), Chief, Research Staff, Autonetics Div., No. Amer. Aviation, Downey, Calif.
 ARMIL, EICHARD W. (S'52-M'53), Sales Engr., Hathaway Instrument Div., Hamilton Watch Co., 1960 E. Lincoln Rd., Birmingham, Mich.
 ARMISTEAD, WEST. H., JR. (S'57-M'59), Electronics
- Birmingham, Mich.

 ARMISTEAD, WEST H., JR. (S'57-M'59), Electronics Field Engr., TechRep. Div., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.; Diamond Ordnance Fuze Labs., Washington 25, D.C.

 ARMITAGE, GEORGE G. (A'40-M'51-SM'59), Sales Mgr., Rogers Electronic Tube & Components, 116 Vanderhoof Rd., Toronto 17, Ont., Canada.

 ARMITAGE, PERLEY E., JR. (S'54-A'57), Elec. Engr., Portsmouth Naval Shisyard, Portsmouth, N.H.

 ARMSTRONG, ALAN S. (M'5B), Fleld Service Engr., Marsland Engro., Ltd., 154 Victoria St., S., Kitchener, Ont., Canada.

- Ont., Canada. ARMSTRONG, ALBERT C. (S'50-A'51), Sr. Test Engr., Electronics, Hughes Aircraft Co., Box 11337, Tucson,
- Ariz.

 ARMSTRONG, CHARLES H. (S'56 M'50), Eles Engr.,
 Bendix Prods., Missiles, 400 S. Beiger, Mishawaka, Ind.

 ARMSTRONG, CHARLES W. (A'43-M'55), Sr. Group Engr.,
 Boeing Airolane Co., Seattle, Wash.

 ARMSTRONG, CHARLES W. (A'51-M'57), Supt.-Chief
 Engr., C. O. Jelliff Mfg. Corp., Pequot Rd., Southport,
 Conn.
- Conn.

 ARMSTRONG, COLE A. (A'43-SM'46), Equipment & Bldg.
 Engr., AT&T Co., 195 Broadway, New York 7, N.Y.

 ARMSTRONG, DAVID G. (A'50-M'55), Sr. Electronics
 Engr., Raytheon Mig. Co., Wayland, Mass.

 ARMSTRONG, DAVID T. (A'53), V.P., Electronics Research, 221 Angelique St., Weehawken, N.J.

 ARMSTRONG, FRANCIS L. (S'54-M'5B), Assoc. Staff
 Mem., Genl. Precision Lab., Inc., 63 Bedford Rd.,
 Pleasantville, N.Y.

- ARMSTRONG, FRANCIS L. (S'54-M'5B), Assoc. Staff Mem., Genl. Precision Lab., Inc., 63 Bedford Rd., Pleasanville, N.Y.

 ARMSTRONG, FRED O. (M'59), Mem. Tech. Staff, Bell Tel. Laba., Murray Hill, N.J.

 ARMSTRONG, GEORGE S. (M'56), Pres., George S. Armstrong, George S. 5, 15 Ave., New York 17, N.Y.

 ARMSTRONG, GORDON R. (M'56), Principal Research Engr., Bendix Radio Div., Towson 4, Md.

 ARMSTRONG, H. DONALD (A'36-VA'39-M'55), Sales Engr., 1BM, Ltd., Don Mills Rd., Toronto 6, Ont., Canada. ARMSTRONG, H. ROBERT (M'5B), Purch. Engr., Hughes Aircraft Co., Cuiver Gity, Calif.

 ARMSTRONG, HAROLD L. (S'50-A'51-M'55), Asst. Prof., Dept. of Physics, Queen's Univ., Kingston, Ont., Canada. ARMSTRONG, JAMES F. (S'54-A'5B), Elec. Engrg. Technician, Wisconsin Electric Power Co., Milwaukee, Wis. ARMSTRONG, JAMES F. (S'54-A'5B), Elec. Engrg. Technician, Wisconsin Electric Power Co., Milwaukee, Wis. ARMSTRONG, JAMES F. (S'55-M'5B), Research Engr., Defense Research Lab., 500 E. 24 St., Austin, Tex.

 ARMSTRONG, JOHN E. (S'55-M'59), Project Engr., Sundstrand Aviation, Rockford, Ill.

 ARMSTRONG, JOHN E. (S'55-M'59), Project Engr., Sundstrand Aviation, Rockford, Ill.

 ARMSTRONG, JOHN E. (S'55-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Fulleton, Calif.

 ARMSTRONG, JOHN E., JR. (S'56-M'57), Asst. Project Engr., Bendix Radio Corp., Towson 4, Md.

 ARMSTRONG, JOHN E., JR. (S'56-M'57), Asst. Project Engr., Bendix Radio Corp., Towson 4, Md.

 ARMSTRONG, JOHN E., G'55-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Fulleton, Calif.

 ARMSTRONG, CORNE D. (M'53), Research & Dev., RCA Semiconductor Div., Somerville, N.J.

 ARMSTRONG, CORNE D. (M'53), Research & Dev., RCA Semiconductor Div., Somerville, N.J.

 ARMSTRONG, PETER S. (S'54-A'55), Dev. Engr., Lenkut Electric Co., 1105 Old County Rd., San Carlos, Calif.

- ARMSTRONG, PETER S. (S'54-A'55), Dev. Engr., Len-kurt Electric Co., 1105 Old County Rd., San Carlos, Calif. ARMSTRONG, RALPH W. (A'29-VA'39-SM'54), Physicist, U. S. Army Signal Research & Development Lab., Ft.
- ARMSTRONG, RICHARD M. (S'55-M'57), Engr., IBM, Poughkeepsle, N.Y.

- Poughkeepsle, N.Y.

 ARMSTRONG, ROBERT A. (S'51-A'55), Computer Design Engr., IBM, Owego, N.Y.

 ARMSTRONG, ROBERT H. (A'53-M'5B), Sr. Components Engr., Burroughs Corp., Plymouth, Mich.

 ARMSTRONG, ROBERT S. (S'56-M'5B), Teacher, Radio-Elec. Shop, Mt. Diablo High School, Concord, Calif.

 ARMSTRONG, THOMAS D. (M'59), Engr., ITT Labs., Nutley, N.J.

 ARMSTRONG, THOMAS J. (A'58), Electronics System Tester, Hughes Aircraft Co., Highland Ave., Fullerton, Calif.

- Calif.

 ARMSTRONG, THOMAS R. (S'46-A'49-M'55), Project Administrator, Heavy Prods., ITT Labs., 100 Kingsland Rd., Clifton, N.J.

 ARN, SAM F. (SM'54), V. P., Pac Aero Engro. Corp., 3021 Airport Ave., Santa Monica, Calif.

 ARNALDO, ARTAGNAN F. (S'55-A'56), TV Service Technician, Sociedade Lousa Autovoc, Av. Infante Sants, Lote 1, Lisbon, Portugal.

 ARNALD, JOHN P. (A'35-M'40-SM'43-F'53), Systems Engr., RCA, Clarktownship, N.J.

 ARNDT, JOHN P. (SM'5B), Chief Engr., Brush Instruments Div., Clevite Corp., 37 St. at Perkins Ave., Cleveland, Ohio.

- Ohio.

 ARNDT, LEO A. (A'55-M'56-SM'5B), Quality Control Engr., Reliability Sect., Hoffman Lab., Inc., 3761 S. Hill, Los Angeles 7, Calif.

 ARNDT, RAYMOND J. (M'55). Research Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.

 ARNDT, ROLLAND B. (S'4B-A'50-M'56), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 ARNDT, WALTER R. (S'41-A'42-M'45-SM'52), Sr. Project Engr., Falrchild Astrionics Div., Wyandanch, L.I., N.Y.

- ARNDT, WILLIAM F. (SM'50), Mgr., Rellability & Quality Staff, Systems Dev. Labs., Hughes Aircraft Co., Culver City, Calif.

 ARNE, O, ROBERT (S'55-M'57), Sr. Project Engr., Mergenthaler Linotype Co., 43 Hall St., Brooklyn 5, N.Y.

 ARNE, ROBERT E. (A'41), Chief Engr., Sam Francisco-Oakland Television, Inc., Jack London Sq., Oakland, Calif.
- ARNELL , EDWARD B. (A'55), Owner, Arnell Radio & Television Service, 107-06 122 St., Richmond Hill 19, L.I., N.Y.
- ARNESEN, ROBERT F. (M'55), Engr., Raytheon Mfg. Co., Bedford, Mass.

- ARNESEN, ROBERT F. (M'55), Engr., Raytheon Mfg. Co., Bedford, Mass.

 ARNETH, A. PHILIP, JR., (S'47-A'49-M'54-SM'5B), Advisory Engr., IBM, Kingston, N.Y.

 ARNETT, HENRY D. (M'4B-SM'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 ARNETT, RICHARD A. (M'45-SM'50), Mgr., Industrial Prods. Dept., Texas Instruments, Inc., 3609 Buffalo Speedway, Houston 6, Tex.

 ARNETT, WILLIAM V. (A'47-SM'51), Electronics Engr., Kintel, Box 623, San Diego 12, Calif.

 ARNOLD, ADOLPH, JR. (A'49), Project Engr., ITT Labs., 100 Kingsland Rd., Cilifon, N.J.

 ARNOLD, CHARLES A. (A'53-M'57), Project Engr., Microwave Lab., GE Co., 601 California Ave., Palo Alto, Calif. ARNOLD, CHARLES E. (M'53), Mgr., Avionics Lab., Sylvania Elec. Prods., Inc., Waltham, Mass.

 ARNOLD, CHARLES G. (SM'56), Leader, Engro. System Projects, RCA, 75 Varick St., New York 13, N.Y.

 ARNOLD, CLIFFORD P. C. (A'44), Mgr., Royal Bank of Canada, Bloor & Bedford Branch, 246 Bloor St., W., Toronto 5, Ont., Landaut.

 ARNOLD, DALE T. (S'51-A'53-M'57), Engr., Lenkurt Flertife Co., 1105 Old County Rd. San Calif.
- Toronto 5, Ont., Lanada.
 ARNOLD, DALE T. (5:51-A'53-M'57), Engr., Lenkurt
 Electric Co., 1105 Old County Rd., San Carlos, Calif.
 ARNOLD, DAVID C. (A'47-SM'53), V.P., Mktg., Alpha
 Corp., Richardson, Tex.
 ARNOLD, DAVID E. (S'41-M'45), Mgr., Fixed Fire Control
 Systems Project, Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.
- ARNOLD, DONALD E. (M'56), Sales Engr., Engrg. Prods. Associates, 182 Griggs-Midway, St. Paul, Minn. ARNOLD, DORMAN W. (M'59), Elec. Engr., GE Co., Syracuse, N.Y.
- Syracuse, N.Y.
 ARNOLD, EUGENE N. (A'53-SM'57), Radio Engr., Timken Roller Bearing Co., Canton, Ohio.
 ARNOLD, FORREST M. (M'57), Pres., Arnold Magnetics Corp., 4613 W. Jefferson Bivd., Los Angeles 16, Calif.
 ARNOLD, HAROLD J. (A'52-M'57-SM'58), Sr., Group Engr., Electronic Engrg. Co. of California, 1601 E. Chestnut Ave., Santa Ana, Calif.
 ARNOLD. HORACE N. (A'54)
- ARNOLD, HORACE N. (A'56), Maint, Engrg. Branch, FAA,

- ARNOLD, HORACE N. (A'56), Maint, Engrg. Branch, FAA, Palacios, Tex.

 ARNOLD, HOWARD H. (A'42-M'4B-SM'52), Dept. Chief, Elec. Engrg., Western Electric Co., Winston-Salem, N. C.

 ARNOLD, J. ANTHONY (S'55-M'59), Staff Mem., Sandia Corp., Sandia Base, Albouveroue, N. M.

 ARNOLD, J. BARTO (A'44-SM'54), Owner, J. Barto Arnold Co., 220 Cheryl Dr., W., San Antonio 1, Tex.

 ARNOLD, JOHN B. (M'57), Genl. Mgr., Automatic Electric Satap., Via Bernina 12, Milan, Italy.

 ARNOLD, JOHN R. (S'57-M'5B), Project Engr., Granger Associates, 966 Commercial, Palo Alto, Calif.

 ARNOLD, JOHN W. (S'54-A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 ARNOLD, JOHN W. (X'29-M'3B-SM'43), Field Engr., 37 Washington So., New York 11, N.Y.

 ARNOLD, JOSEPH B. (S'4B-A'49-M'55), Advanced Dev. Engr., Sylvania Elec. Prods., Inc., Mountain View, Calif.

 ARNOLD, KENNETH F. (S'53-A'55), Group Leader, Reliability Engrg., Research & Advanced Development Div., AVCO Mfg. Corp., 20 S. Union St., Lawrence, Mass.

- AVCO Mfg. Corp., 20 S. Union St., Lawrence, Mass.
 ARNOLD, NORMAN E. (A'43), Instrumentation Supvr.,
 Lockheed Missile & Space Div., Air Force Missile Development Center, N. M.
 ARNOLD, NORMAN R. (A'56), Electronics Technician, RCA
 Service Co., Patrick AFB, Fia.
 ARNOLD, NORMAN W. (M'47), Physical Science Advisor,
 U. S. Army Ordnance Board, Aberdeen Proving Ground, Md.
 ARNOLD, ONLEY E. (S'56-M'59), 521 lvy PI., Johnson
 City, N. Y.

- City, N.Y.

 ARNOLD, PHLL G. (S'54-M'55), Electronics Engr., U. S.

 Naval Ordnance Test Sta., China Lake, Calif.

 ARNOLD, RALPH G. (M'57), Chief Engr., J&H Smith Mfg.

 Co., Little Britain Rd., Newburgh, N.Y.

 ARNOLD, RAYMOND D. (M'5B), Communications Operations

 Supvr., U. S. Army, 100th U. S. Army Security Agency,

 White Sands Missile Range, N.M.

 ARNOLD, ROBERT M. (A'31-VA'39), Pres., Arnold Engrg.

 Co., Marengo, III.

- Co., Marengo, III.
 ARNOLD, THOMAS G., JR. (A'4B-M'55), Instr., Biophysics in Medicine, Vanderbilt Univ., School of Medicine,
 Nashville 5, Tenn.
 ARNOLD, WARREN F. (M'50), Deputy Head, Field & Flight
 Test, U.S. Naval Missile Center, Point Mugu, Calif.
 ARNOLD, WAYNE L. (M'56), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.
- Aircraft Co., Culver City, Calif.
 ARNOLO, WILLIAM F. (M'53), District Sales Mgr., Sprague
 Electric Co., 313 Washington St., Newton 5B, Mass.
 ARNOLD, WILLIAM J., JR. (S'56-M'57), Rellability Engr.,
 GE Co., Syracuse, N.Y.
 ARNOLD, WILLIAM R. (M'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.
- plane Co., Seattle, Wash.
 ARNOLD, WOLFGANG O.J. (A'59), Assoc. Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.
 ARNOLT, A. KENNETH (A'51), Pres., Publishers' Authorized Bindery Service, Ltd., 5811 W. Division St., Chicago 51, III.
- 51, III.
 ARNOT, GEORGE A., JR. (A'4B-M'52), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
 ARNOW, CLARENCE L. (A'52-M'57), Microwave Engr., N.R.K. Mfg. & Engr., O., 4601 Addison, Chicago, III.
 ARNSTEIN, GERT P. (S'49-A'50-M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
 ARNSTEIN, PAUL B. (A'51-M'53), Project Engr.-Sect.
 Head, Sylvania Electronics Systems, 189 'B' St., Needham, Mass.
- ARNTS, FREDERICK D., JR. (S'51-A'52-M'57), Electronics Design Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.
- ARNTSEN, A. PETER (M'56), Design Engr., TV & Radio Div., Westinghouse Elec. Corp., Metuchen, N.J.

- ARNUM, MALVEN (S'55-M'57), Asst. Engr., Raytheon Mfg. Co., Waltham, Mass. ARON, MITCHELL (SM'53), Chief Engr., Industrial TV Dept., Curtiss-Wright Corp., 631 Central Ave., Carlstadt,
- N. I
- ARON, NATHAN (A'51-SM'56), Sr. Mem. Tech. Staff, RCA, Missile Electronics & Controls Dept., Box 5BB, Burlington, Mass.

- RUA, MISSIR Electronics & Controls Dept., Box 5BB, Burlington, Mass.

 ARON, S AMUEL (S'49-A'51-M'55), Design Engr., RCA, Moorestown, N.J.

 ARONOFF, MILTON (A'46-SM'53), Consultant Engr., M. Aronoff Associates, 12 Doughty Lane, Fair Haven, N.J.

 ARONOFF, MORTON (S'49-A'50-M'55), Color TV Maint. Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 ARONOW, SAUL (A'46-M'55), Asst. Physicist (Medicine), Massachusetts Gent. Hospital, Fruit St., Boston 14, Mass.

 ARONOWITZ, ALBERT M. (S'55-M'5B), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 ARONOWITZ, LEONARD (A'49-M'55), Research Engr., Scientific Research Staff, Republic Aviation Corp., Farmingdale, L.I., N.Y.

 ARONS, ERNEST L. (A'51), Tech. Writer & Editor, John F. Rider, Publisher, 116 W. 14 St., New York 11, N.Y.

 ARONS, LEO D. (S'53-M'57), Operations Analyst, Stavid Engrg., Inc., Hwy. 22, Plainfield, N.J.

 ARONSON, ALBERT I. (A'52-M'57), Engr., RCA, Princeton, N.J.

 ARONSON, CARL A. (SM'47), Mgr., Mingt, Information Control Professes.
- ton, N.J.

 ARONSON, CARL A. (SM'47), Mgr., Mngt. Information
 Center, Defense Systems Dept., GE Co., Syracuse, N.Y.

 ARONSON, HOWARD A. (S'50-A'51-M'54), Project Group
 Leader, Motorola, Inc., 1450 N. Cicero Ave., Chicago
 51

- Leader, Motorola, Inc., 1450 N. Cicero Ave., Chicago 51 III.

 ARONSON, MILTON H. (M'52), Editor, Instruments Publishing Co., B45 Ridge Ave., Pittsburgh 12, Pa.

 AROSENIUS, LARS T. H. (A'5B), Swedish Bd. for Comp. Mach., Box 6131, Stockholm 6, Sweden.

 AROYAN, GEORGE F. (S'55-M'57), Mem. Tech. Staff, Ramo-Woodridge Corp., 5500 W. El Sugundo Bivd., Hawthorne, Calif.

 ARP, RUDOLPH H. (A'50), Sales Engr., GULOW Transformer Co., Inc., Rie. 17 at Broad St., Carlstadt, N.J.

 ARPIN, ROBERT J. (S'57-M'5B), Jr. Engr., Sperry Electronic Tube Div., Gainesville, Fla.

 ARQUETTE, DONALD W. (M'57), Staff Engr., Sandla Corp., Sandla Base, Albuquerque, N.M.

 ARREAZA, RAUL G. (S'54-M'56), Production Engr., Electroidad de Caracas, San Bernardino, Caracas, Venezuela.

 ARRINGTON, ALDEN C. (S'49-A'51-M'56), Foreman, E Series Specialization Unit, USAF, MDFEB, HIII AFB, Utah.
- Utah,
 ARRINGTON, JAMES R. (S'5B-M'59), Project Engr.,
 U.S. Army Electronic Proving Ground, FT. Huachuca, Ariz.
 ARRINGTON, JOHN L., II (S'4B-A'50-SM'54), Capt.,
 USN, Navy Dept., Washington 25, D.C.
 ARRINGTON, ROBERT A. (S'51-A'54), Lt., 943 Stowall
 Circle, Honoibulu 1B, Hawali.
 ARRISON, CLEMENT R., JR. (S'51-A'53-M'59), Prod.
 Engr., American Machine & Foundry Co., Box 1B7, Sta.
 F, Buffalo 12, N.Y.
 APPOW ACTULE (S'56-M'59), Jr. Engr., IBM, Owego,
- ARROW, ARTHUR (S'56-M'59), Jr. Engr., IBM, Owego,
- ARROWOOD, WILLIAM E. (S'53-A'54-M'55), Elec. Engr.,
- ARROWODD, WILLIAM E. (3-5-X-34-W-M-37), Elect. Light.
 RCA, Camden, N.J.
 ARROWSMITH, ELDEN B. (4-57), Research Lab. Analyst,
 Douglas Aircraft, El Segundo, Calif.
 ARROWSMITH, ROBERT (M-56), Electronics Engr., Office
 of Civil & Defense Mobilization, Warning & Communications
 Office, Battle Creek, Mich.
- Office, Battle Creek, Mich.
 ARSEM, A., DONALD (SM'52), Mgr., Engrg., The Wurlitzer
 Co., North Tonawanda, N.Y.
 ARSEM, COLLINS (S'4B-A'50-M'54), Electronics Scientist, Diamond Ordnance Fuze Labs., Dept. of the Army,
 Washington 25, D.C.
 ARSENAULT, JOSEPH R. (S'52-A'53-M'58), Staff Elec.
 Engr., Concord Control, Inc., 12B2 Soldlers Field Rd.,
 Boston Mass
- Engr., Concord Boston, Mass.

- Engr., Concord Control, Inc., 12B2 Stoilers Field NC., Boston, Mass.

 ARSENAULT, LED (S'56-M'57), Jr. Engr., RCA Victor Co., Ltd., Montreal, P.Q., Canada, ARSENAULT, WILLIAM R. (A'52-M'57), V.P., Engrg., FMA, Inc., 504 E. Main St., El Segundo, Calif.

 ARSLAN, HILMI (M'5B), Engr.-In-Chgr., Medical, Sanborn Co., 175 Wyman St., Waltham, Mass.

 ARTERY, HARALAN D. (S'57-M'5B), Electronics Engr., Land Air, Inc., Box 394, Holloman, N.M.

 ARTHUR, ALLAN A. (S'57-M'5B), Engr., Missiles, Bendix Prods. Olv., Mishawaka, Ind.

 ARTHUR, GARFIELD M. (A'46-M'55), Chief Elec. Engr., Fitchburg Engrg. Corp., Oak Hill Rd., Fitchburg, Mass.

 ARTHUR, GEORGE R. (S'47-A'51-M'51-SM'5B), Mgr., Design Engrg., RCA Airborne Systems, Camden, N.J.

 ARTHUR, RICHARD J. (S'51-A'52-M'57), Project Engr., Inertial instrument Development, Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 ARTHUR, WALLAGE (S'55-M'5B), Research Physicist, Re-
- 1, Bullalo 5, N.Y.

 ARTHUR, WALLACE (5'55-M'5B), Research Physicist, Research Div., College of Engrg., New York Univ., University Hgts., New York 53, N.Y.

 ARTHURS, EDWARD (5'50-A'52-M'57), Systems Engr., Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge, Mass.

- ARTIS, PAUL T. (S'57-M'5B), Elec. Engr., Tennessee Valley Authority, Knoxville, Tenn.
 ARTMAN, ROBERT L. (M'54), Depreciation Engrg. Sect. Head, Genl. Telephone Co. of Indiana, 303 E. Berry St., Ft. Wayne, Ind.
- ARUSO, NICHOLAS F. 0M'57), Project Engr., American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn. ARUFFO, RIC (M'59), Sr. Logician, Prod. & Industrial Engrg., Box 3534, Georgetown Sta., Washington, D.C. ARVIDSON, PAUL G. (M'50), Chief Engr., Tri City Broadcasting Co., 805 Brady St., Davenport, Jowa. ARVIN, MARION J. (A'42-SM'53), Electronics Engr., FAA, Box 5767, Indianapolis 21, Ind.
 ARVISAIS, GEORGE J. (S'56-M'57), Lt., Royal Canadian Navy, Elec. Officer, Wardroom Mess, RCN Air Sta., Shearwater, N.S., Canada.
 ARWIME, ROBERT (A'57), Field Engr., Zenith Radio Corp., 6001 Dickens, Chicago 39, III.
 ARZENATI, MARCEL H. (S'55-A'59), Bendix Aviation Corp., Teterboro, N.J.

- ARZT, GEORGE D. (S'52-A'53), Test Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N.Y. ARZUAGA, JOSE A. (M'57), Chief Engr., WAPA, San
- Diggo, Calif.

 ASATO, CAIRLES K. (A'59), Assoc. Engr., Convair, San Diggo, Calif.
- ASATO, MINORU (A'56), Electronics Engr., Planning Dept., Electronics Div., Pearl Harbor Naval Shipyard, Pearl Harbor, Hawaii
- Hawaii.

 ASBURY, RALPH T. (M'50), Communication Sales Mgr.,
 Graybar Electric Co., Inc., Box 2157, Houston, Tex.

 ASCH, BERNARD (A'55), Technician, C85 Labs., Inc.,
 485 Madison Ave., New York, N.Y.

 ASCHBACHER, STANLEY J. (A'50-M'55), Electronics
 Engr., Photographic Engr., Westgate Lab., Inc., 506 S.
 High St., Yellow Springs, Ohio.

 ASCIONE, NEIL R. (S'55-M'56), Engr., ITT Labs.,
 Nutley 10, N.J.

- Noticey JO, N.J..

 ASCIONE, RAFFAELE (A'45), Project Engr., Western
 Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 ASELTINE, JOHN A. (S'50-A'52-M'57), Assoc. Dept.
 Mgr., Control & Simulation Dept., Space Technology Labs.,
 Inc., Box 95001, Los Angeles 45, Callf.
 ASEN, ROBERT (A'52), Pres., RMC Associates, 236 E.
 75 St., New York 21, N.Y.
- 75 St., New York 21, N.Y.

 ASENDORF, JOHN A. (A'50-M'57), Fleid Service Engr.,
 Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.

 ASENDORF, ROBERT H. (M'5B), Research Physicist, Westinghouse Research Labs., Pittsburgh 35, Pa.

 ASENIERO, WILLIAM L. (M'56), Advanced Design Engr.,
 GE Co., 3198 Chestnut St., Philadelphia, Pa.

 ASH, ERIC A. (A'53-M'55), Head, Tube Research Lab.,
 Standard Telecommunication Labs., Progressway, Gt. Cambridge Rd., Enfield, Middle, England.

 ASH, HERBERT Q. (A'56), Electronics Dev. Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz.

 ASH, ROBERT B. (M'58), Electronics Dev. Coumbbs.

- year Aircraft Corp., Litchfield Park, Ariz.
 ASH, ROBERT B. (M'58), Elec. Engrg. Dept., Columbia
 Univ., New York 27, N.Y.
 ASHAR. KANU G. (M'59). Endr., IBM. Pounhkeensie. N.Y.
 ASHABUGH, FRED E. (M'59), Research Engr., Boeing
 Airplane Co., Seattle, Wash.
 ASHBAUGH, RICHARD R. (S'56-M'58), Quality Control
 Engr., Eastman Kodak Co., Rochester 4, N.Y.
 ASHBRIDGE, SIR NOEL (F'38), Dir., Marconi Group of
 Companies, Marconi House, Strand, London, England.
 ASHBROOK, FRED M. (S'42-A'44-M'45-SM'49), Head,
 Instrument Dev. Olv., U. S. Naval Ordnance Test Sta.,
 Code 304, China Lake, Calif.
 ASHBROOK, JOHN M. (S'52-A'54-M'59), Sr. Engr., ITT
 Labs., Nutley 10, N.,
 ASHBROOK, STANLEY B., JR. (A'58), Sales Engr., Texas

- Lauss, Nutley IO, N.J. ASHBROOK, STANLEY B., JR. (A'58), Sales Engr., Texas Instruments, Inc., Box 312, Dallas 9, Tex. ASHBY, ALAN T. (S'51-A'52-M'57), Research Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.
- ASHBY, GRIFFIN L. (M'50), Mfrs. Agent, Griffin L. Ashby & Associates, 384 W. 1st St., Dayton, Ohio.
 ASHBY, ROBERT H. (S'42-A'45-M'52), Sr. Project Engr., FAA, Aeronautical Center, Box 1082, Okiahoma City, Okla.
 ASHBY, ROBERT M. (SM'51-F'55), Chief Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 ASHCRAFT, AUDIE E., JR. (S'50-A'51-M'56), Training Dir., Sales, Southern California Edison Co., 601 W. 5, Los Angeles 53, Calif.

- ASHCRAFT, CLYDE D. (S'57-A'5B), Electronics Technician, Litton Industries, Calvert St., College Park, Md. ASHCRAFT, WHLLIAM D. (S'55-M'55), Research Engr., No. Amer. Aviation, Downey, Calif. ASHCRAFT, DALE L. (L'54-M'59), Consulting Engr., GE Co., Syracuse, N.Y.
- ue Lo., Syracuse, N.Y.
 AShfe, HeRNY B. (M'59), District Engr., Southern Bell
 Tel. & Tel. Co., 620 Crockett St., Shreveport, La.
 ASHE, JAMES E. (M'5B), Control Engr., Boeing
 Airplane Co., Box 107, Seattle 14, Wash.
 ASHENDEN, GEORGE K., JR. (A'45-M'50), Electronics
 Engr., FCC, New P.O. Bildg., Pennsylvania Ave. & 12 St.,
 N.W., Washington, O.C.
- ASHENFELTER, THOMAS E. (M'5B), Engrg. Techniclan, Aero Research Instrumentation, Air Force Cambridge Research Center, CRZFN, Hanscom Field, Mass. ASHENHURST, ROBERT L. (M'57), Asst. Prof., Applied Mathematics, School of Business & Institute for Computer Research, Univ. of Chicago, Chicago 37, III.

- Research, Univ. of Chicago, Chicago 37, III.

 ASHER, RALPH L. (S'55-M'59), Elec. Engr., ITT Labs., Nutley 10, N.J.

 ASHER, ROBERT W. (S'57-M'59), Electronics Engr., Hughes Aircraft Co., Fullerton, Calif.

 ASHFIELO, JAMES C. (S'57-M'58), Federal Electric Corp., Garden State Pkwy., Paramus, N.J.

 ASHFORO, CHARLES R. (A'57), Project Engr., Singer M'g. Co., 915 Pembroke, Bridgeport, Conn.

 ASHFORD, FRANK L. (S'56-M'57), Feger., Sylvania Elec. Prods., Inc., Waltham, Mass.

 ASHINSKY, MORRIS (S'51-A'52-M'57), Electronics Engr., Sperry Gynoscope Co., Great Neck, L.I., N.Y.

 ASHLAND, ROBERT F. (S'57-M'58), Research Engr., Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.
- Wash.
 ASHLEY, ALFRED B. (M'53), Dev. Engr., Aerojet
 Genl. Coro., Box 1947, Sacramento, Calif.
 ASHLEY, ALLAN (S'50-A-53-M'58), Electronics Engr.,
 Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.
 ASHLEY, CECIL L. (M'52), Dayton Rep., Govt. Services
 Div., Raytheon Mig. Co., Waltham 54, Mass.
 ASHLEY, CHARLES E. (S'53-M'58), Prod. Engr.,
 Texas Instruments, Inc., 13500 N. Central Expressway,
 Dallas, Tex.
 ASHLEY, CLAUDE A. (A'58), Supply Engre, Maise.
- Dalias, lex.
 ASHLEY, CLAUDE A. (A'5B), Sumvr., Engrg. Llaison, Lockheed Missile Systems Div., Van Nuys, Calif.
 ASHLEY, DWIGHT S. (M'53), Div. Chief, Natl. Security Agency, Ft. Meade, Md.
 ASHLEY, GLEN W. JR. (A'51-M'55), Research Engr., Convair, Pomona, Calif.
- ASHLEY, HARRY R. (A'51), Pres. & Sales Mgr., Electronic Instrument Co., Inc., 3300 Northern Blvd., Long Island City 1, N.Y.
- ASHLEY, ROBERT B. (A'55), Dev. Engr., GE Co., Syracuse, N.Y.

- ASHLEY, WILLIAM H., JR. (S'50-A'51-M'57), Research Engr., Midwest Research Institute, 425 Volker Blvd., Kansas City 10, Mo.
- Engr., Miowest Research Institute, 425 Volker Blvd., Kansas City 1.0, Mo.
 ASHMAN, ARTHUR B. (A'45-M'55), Transmission Maint. Engr., The Cincinnati & Suburban Bell Tel. Co., 225 E. 4 St., Cincinnati 2, Ohio.
 ASHMAN, RICHARD R. (S'55-M'57), Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif. ASHMEAD, H. EUGENE (SM 54), Electronics Staff Engr., Martin Co., Baltimore 3, Md. USAF, High Velocity Sied Test Track, Holloman AFB, N.M.
 ASHOUR, GLADYS B. (A'59), Tech. Librarian, Emerson Research Labs., 1140 E. West Hwy., Silver Spring, Md. ASHTON, DONALD (S'43-A'49-M'55), Facilities Engr., GE Co., Somersworth, N.H.
 ASHTON, HARRY A. (S'54-M'56), Engr., Genl. Chemical Co., 1100 Line St., Camden, N.J.
 ASHUS, ALFRED (A'50), Techniclan, CBS, 485 Madison Ave., New York 22, N.Y.
 ASHWORTH, JAMES M. (M'58), Sr. Project Engr., FAA,

- ASHWORTH, JAMES M. (M'58), Sr. Project Engr., FAA, Aeronautical Center, Oklahoma City, Okla.
 ASKE, VERNON H. (M'47), Sr. Dev. Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.
- ASKEW, WILLIAM J., JR. (S'50-A'51-M'56), Lead Systems Design Engr., Chance-Vought Aircraft, Inc., Dallas, Tex.
- ASKINS, JOHN J., JR. (S'51-A'54-M'59), Oesign & Dev. Engr., RCA, 1560 N. Vine St., Hollywood, Callf. ASKREN, PAUL S. (S'52-A'53), Systems Engr., Con-solidated Systems Corp., 1500 S. Shamrock, Monrovia, Calif.

- solidated Systems Corp., 1500 S. Sharmock, Monrovia, Calif.
 ASLAN, EDWARD E. (S'50-A'51-M'56), Project Engr., FXR, Inc., 26-12 Borough PI., Woodside, L.I., N.Y.
 ASLANIAN, ASADOOR (S'51-A'52-M'57), Delsjn Engr., GE Co., 40 Federal St., Lynn, Mass.
 ASLUND, MILS R.D. (A'59), Elec. Engra. Dept., New York Univ., Juniversity Hgts., Bronx 53, N.Y.
 ASMUNDSSON, EINAR (S'49-A'53), Sr. Engr., Ford Instrument Co., Missile Dev. Div., 31-10 Thomson Ave., Long Island City 1, N.Y.
 ASMUTH, JOHN L. (S'43-A'44-M'55), Asst. Prof., Dept. Elec. Engre., Univ. of Wisconsin, Madison 6, Wis.
 ASNICAR, OONALD V. (S'52-A'54), Fleld Engr., GMC, 1925 E. Kenliworth PI., Milwaukee 1, Wis.
 ASNICAR, OONALD V. (S'56-M'58), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.
 ASSADOURIAN, FRED (SM'53), Sr. Engr., RCA, 75
 Varick St., New York, N.Y.
 ASSAF, EMILE J. (S'50-M'50-M'56), Proposal Engr., Peerless Pump Div., Food Machinery & Chemical Corp., 301 W. Avenue 26, tos Angeles 31, Calif.
 ASTEMBORSKI, THADOEUS J. (M'59), Engrg. Analyst,
- ASTEMBORSKI, THADDEUS J. (M'59), Engrg. Analyst, GE Co., Syracuse, N.Y. ASTER, ALVIN K. (A'48-M'55), 1 Woodcliff Dr., Madison, N.J.
- ASTER, ALVIN K. (A'48-M'55), 1 Woodcliff Dr., Madison, N.J.

 ASTHOLZ, PAUL T. (M'45-SM'58), Chlef, Navigation Alds Evaluation Oiv., Tech. Development & Evaluation Center, FAA, Box 5767, Indianapolis 21, Ind.

 ASTIN, ALLEN V. (SM'50-F'54), Dir., Natl. Bureau of Standards, Washington 25, D.C.

 ASTON, JAMES P. (SM'53), Communications Studies Engr., Northern Electric Co., Ltd., 1266 Shearer St., Montreal, P.Q., Canada.

 ASTRAHAN, MORTON M. (S'45-A'50-M'51-SM'57), Mgr., Smail Business Systems, IBM Research Lab., San Jose, Calif.

- San Jose, Calif.
 ASTROW, MARTIN (S'47-A'49-M'55), Engrg. Oept.
 Head, Digital System Dev., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.
 ASTULFI, STEPHEN O. (A'56), Production & Test Supvr.,
 Components Sect., Microwave Associates, Inc., South Ave.,
 Burlington, Mass.
- Burrington, Mass.
 ASTWOOD, EDGAR J. (A'59), Lab. Engr., IRCO Corp.,
 16 Hudson St., New York 13, N.Y.
 ASUNCION, JOSE F. (S'55-M'58), Assoc. Engr., Detroit
 Edison Co., Detroit, Mich.
 ATAMAN, ADNAN (A'9-M'55), Prof., Elec. Engrg.,
 Tech. Univ. of Istanbul, Gumussuyu Cad. B7, Istanbul,
 Turkey.

- Turkey.

 ATCHESON, STEWART E. (M'51), Partner, Atcheson & Adams, 601 N. Elm. St., Greensboro, N.C.

 ACHISON, F. STANLEY (A'53-SM'53), Tech. Dir., U.S. Naval Ordnance Lab., Corona, Calif.

 ATCHISON. ROBERT L. (M'57), Dev. Test Engr., Douglas Aircraft Co., 2000 N. Memorial, Tulsa, Okla.

 ATCHLEY, BLAKE K. (M'57), Sr. Systems Design Engr., Chance-Vought Aircraft, Inc., Dallas, Tex.

 ATCHLEY, DANA W., JR. (S'39-A'47-M'49), Pres., Microwave Associates, Inc., Northwest Industrial Park, Burlington, Mass.

 ATEMS. EDWARD (M'52), Electronics Engr. ECC.
- ATEMS, EDWARD M/52), Electronics Engr., FCC, 1029 Federal Bidg., Detrdit 26, Mich. ATEN, DWIGHT C. (M/50), Engr., Physicist, Consumers Research, Inc., Washington, N.J. ATHANAS, DEMETRIUS (M/58), Field Engr., Military Prods. Div., American Standard, 560 Providence Hwy., Norwood, Mass.
- ATHANS, MARION (A'57), Sales, The Branum Co., Box 10204, Dallas 7, Tex. ATHANS, MARVIN (A'57), 4B12 Lafayette, Ft. Worth 7,
- ATHAS , ALEXANDER P. (M'56), Field Service Rep., GE Co., Utica, N.Y.

 ATHENS, ARTHUR S. (M'57), Project Engr., IBM, San Jose, Calif.
- Jose, Calif.
 ATHERLY, DON H. (A'55), Group Engr., Boeing Airplane
 Co., Box 97, Melbourne, Fla.
 ATHERTON, CHARLES A. (S'49-A'50), Mfg. Mgr.,
 Electronic Engrg. Co. of California, 1601 Chestnut St.,
 Santa Ana, Calif.
- Santa Ana, Calif.
 ATHERTON DANIEL G. (S'56-M'5B), Elec. Design Engr.,
 RCA, Camden 2, N.J.
 ATHERTON, J. BALLARD (S'40-A'42-M'55), Pres.,
 Hawalian Telephone Co., Box 2200, Honolulu 5, Hawali.
 ATHERTON, JAMES R. (M'58), Research Engr., Army
 Ballistic Missile Agency, Hunstville, Ala.
 ATHERTON, TRACY L., JR. (S'56-M'59), 332 S.
 Oakland, Pasadena, Calif.

- ATHEY, SKIPMITH W. (S'41-A'45-SM'50), Assoc. Dir., Research, Production Research Corp., Claremont Ave., Thornwood, N.Y.
- ATKIN, JACK (S'54-M'55), Lab. Supvr., Columbia Univ., Electronics Research Lab., 632 W. 125 St., New York 27, N.Y.
- ATKINS, CARL E. (J'29-A'34-SM'44), Engrg. Mgr., Electron Tube Div., Tung-Sol Electric, Inc., 200 Bloomfield Ave., Bloomfield, N.J.
- ATKINS, ELDRED R. (A'59), Electronics Material Officer, USN, Home: 2 Westford St., Saugus, Mass. ATKINS, GUS T. (M'51-SM'55), Electronic Engr., Asst. Branch Chief, M.E.B., FAA, Box 1689, Ft. Worth, Tex.
 ATKINS, RAYMOND E. (A'54), Radio Officer, M/V Del Viento, Mississippl Shipping Co., Hibernia Bank Bldg., New Orleans, La.
- Viento, Mississip New Orleans, La.
- ATKINS, WLLIAM J. (M'58), Design Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y. ATKINSON, A. LA DELL (S'56-M'59), 213 S. 1st, E., Hyrum, Utah.
- ATKINSON, CLIFFORD, JR. (A'42-M'55), Partner, Port City Compress & Warehouse Co., Ltd., Box 2082, Houston, Tex.
- TEX.
 ATKINSON, EDWARD E. (S'49-A'50-M'55), Elec. Engr.,
 Natl. Security Agency, Washington 25, D.C.
 ATKINSON, JAMES E. (M'59), Quality Control Mgr.,
 Ambhenol-Borg Electronics Corp., 1830 S. 54 Ave.,
 Cicero 50, III.
- ATKINSON, JAMES R. (S'42-A'44-M'55), Radio Engr., Delco Radio Dlv., GMC, Kokomo, Ind. ATKINSON, JOHN H. (M'58), Asst. Communications Dir., Santa Clara County Communications Dept., 528 Tully Rd., San Jose 12, Calif.
- ATKINSON, JOHN M. (M'58), 525 N. Camden Or., Beverly Hills, Callf. ATKINSON, RAY L. (M'55), Electronics Engr. (Genl.), USAF, ARDC, Air Proving Ground Center, Eglin AFB,

- ATKINSON, ROBERT E. (S'55-M'56), Engr., U.S. Naval Ordnance Test Sta., China Lake, Calli.
 ATKINSON, WILLIAM H. (A'57), Asst. Supvr., Magnetic Components, Ryan Aeronautical Co., San Diego, Calif.
 ATKINSON, WILLIAM R. (M'56), Sr. Electronics Engr., Hoffman Labs. Div., 3740 S. Grand Ave., Los Angeles, Calif.
- Cailf.

 ATKISSON, EUGENE A. (A'51-S'54-A'55-M'58), Instrument Dev. Engr., Natl. Aeronautics & Space Agency, 21000 Brook Park, Cleveland 35, Ohio.

 ATLAS, ZENAS (A'50-M'58), Project Engr., Allen B. DuMont Labs., Inc., Clifton, N.J.

 ATLEE, RICHARD Y. (A'49-M'55), Genl. Mgr., Dominion Electric Protection Co., 92 Adelaide St., W., Toronto, Ont., Canada.
- ATTALI, GEORGES (M'55), Elec. Engrg. Sect. Head, Schlumberger Well Surveying Corp., Box 2175, Houston,
- ATTARD, ALFRED E. (S'50-A'54), Physics Instr., Physics Oept., Illinois Institute of Technology, 3300 Federal St., Chicago, III.
- ATTARIAN, RAYMONO V. (M'51), Engr., GE Co., 3198 Chestrut St., Philadelphia 4, Pa. ATTMORE, ROBERT G. (S'49-A'50-M'55), Electronics Engr., Bureau of Ships, Dept. of the Navy, Washington 25 D.C.
- D.C.
 ATTRIDGE, CURTIS C. (M'55), Camera Tube Engr., Westinghouse Elec. Corp., Box 2B4, Elmira, N.Y.
 ATTRIDGE, DOUGLAS M. (S'57-A'58), Tech. Asst., Northern Electric Co., Ltd., 250 Sydney St., Belleville, Ont., Canada.
 ATTURA, GEORGE M. (M'52), Pres., Industrial Control Co., 805 Albin Ave., Lindenhurst, L.I., N.Y.
 ATTWOOD, STANLEY W. (M'54), Elec. Engr., Motorola, inc., 56 St., Phoenix, Ariz.
 ATTWOOD, STEPHEN S. (SM'44), Dean, College of Engr., Prof., Elec. Engr., Univ. of Michigan, Ann Arbor, Mich.

- ATOOT, Mich.

 ATWELL, RALPH G. (A'40-M'55), Electronics Engr.,
 Navy Dept., Bureau of Ships, Washington 25, D.C.

 ATWILL, WILLIAM D. (M'5B), Sr. Research Engr., Crosley
 Div., Avco M/g. Co., Cincinnati, Ohio.

 ATWOOD, BYRON E. (A'34-VA'39-SM'50), Electronics
 Engr., Stromberg-Carlson Co., 1400 N. Goodman St.,
 Rochester, N.Y.
- Engr., Strömberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 ATWOOD, DONALD J., JR. (S'49-A'51-M'57), Treas. & Chief Engr., Dynatrol Corp., 59 Park St., Beverly, Mass. ATWOOD, JESSE R. (S'40-A'41-M'44), Pres., ITI Electronics, Inc., 369 Lexington Ave., Cilifon, N.J. ATWOOD, JESSE R. (S'57-M'5B), Research Engr., Jet Propulsion Lab., 4800 Oak Grove Ave., Pasadena, Callif. ATWOOD, JOHN B. (A'32-M'42-SM'43), Research Engr., RCA Labs., Riverhead, L.I., N.Y.

 ATWOOD, KENNETH W. (S'43-A'45-M'55), Asst. Prof., Elec. Engrg., Univ. of Utah, Salt Lake City, Utah.

 ATWOOD, KENNETH W. (S'43-A'45-M'55), Project Engr., NBC, 30 Rockfeller Plaza, New York 20, N.Y.

 ATWOOD, WILFRID L. (A'42-SM'52), Consulting & Mfg. Engr., 52 B Adelalde Ave., S. E., Warren, Ohio.

 AU, BENJAMIN O. (S'55-M'59), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 AU, GEORGE D. (S'53-A'54), 372 Water St., St. John's, Niid., Canada.

- Nfid., Canada.
 AUBREY, GERALD (S'54-A'55-M'58), Elec. Engr., ITT
 Labs., Nutley 10, N.J.
 AUBRY, JACQUES D. (S'57-A'5B), Test Evaluation
 Engr., Westinghouse Elec. Corp., Hendy Ave., Sunnyvale,
 Calif.

- Calif.

 AUGREMANN, ROBERT C. (M'56), Head, Electronics Dev. Group, Hamilton Standard Div., United Aircraft Corp., St. Petersburg, Fia.

 AUGREMANNE, MARCEL J. (S'46-A'49-M'51), Chief, Telemetering Branch, Underwater Evaluation Dept., Naval Ordnance Lab., Silver Spring, Md.

 AUDAIN, RENFORD B. (A'59), U.S. Naval Supply Depot, Box 33, Navy 115, FPO, New York, N.Y.

 AUDAY, WILLIAM S. (A'53-M'5B), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.

 AUDET, HENRI A. (M'46), Pres. & Genl. Mgr., Television St. Maurice, Inc., P.B. 277, Trois Rivieres, P.Q., Canada.

- AUDICK, GEORGE C. (S'55-A'57), Inspector, Autonetics Div., No. Amer. Aviation, Downey, Calif. AUDITORE, CARMEN J. (A'43-M'48-SM'52), Chief Electronics Engr., Adler Electronics, Inc., 1 LeFevre Lane, New Rochelle, N.Y.
- AUER, JOHN H., JR. (A'52-M'57), Engr., Genl. Railway Signal Co., 801 West Ave., Rochester, N.Y. AUERBACH, ABRAHAM (M'56), Educational Dir., Emerson Radio & Phonograph Corp., 14 & Coles Sts., Jersey City,

- N.J.
 AUERBACH, ALBERT A. (A'48-M'55), Pres., Digitronics
 Corp., Albertson, L.I.. N.Y.
 AUERBACH, BENJAMIN (A'48-M'54), Quality Control
 Engr., RCA, Camden, N.J.
 AUERBACH, ISAAC, L. (S'46-M'49-SM'52-F'58),
 Pres., Auerbach E AUERBACH, ISAAC, L. (S'46-M'49-SM'52-F'58),
 Pres., Auerbach Electronics Corp., 109 N. Essex Ave.,
 Narberth, Pa.
 AUERBACH, JERZY E. (A'57), Branch Dir., Z.P.E.,
 Krucza 36, Warsaw, Poland.
 AUERBACH, LOUIS (A'53-M'58), Electronics Engr.,
 Material Lab., New York Naval Shipyard, Brooklym 1, N.Y.
 AUERBACH, LUIS F. (S'55-A'55-M'56), Electronics
 & Comm. Engr., Instituto De Fisica, Universidad Nacional,
 Cludad Universitaria, D.F., Mexico.
 AUERBACH, MARTIN (SM'52), Mgr., Electronic Sect.,
 Maxson Instruments, 47-37 Austell Pl., Long Island
 City, N.Y.
 AUERBACH, MILTON (A'42), Electronics Engr., Electronics
 Office, 11th Naval District, Long Beach Naval Shipyard,
 Long Beach, Calif.
 AUERBACH, VICTOR (S'57-M'58), Mem. Tech. Staff,

- Office, 11th Naval District, Long Beach Naval Simyaro', Long Beach, Calif.

 AUERBACH, VICTOR (5'57-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 AUERBACHER, WERNER F. (A'40-SM'49), V.P., Govt. Engrg. & Mfg., Emerson Radio & Phonograph Corp., 16 & Coles Sts., Jersey City, N.J.

 AUFDERHEIDE, JAMES H. (A'53-M'59), Sr. Sales Engr., Toledo Scale Co., Toledo 1, Ohlo.

 AUFLEGER, ALBERT R. (A'56), Techniclan, CKEY, 1262 Don Mills Rds., Toronto, Ont., Canada.

 AUGENBLICK, HARRY A. (A'48-M'55), Pres., Microlab, 570 W. M. Pleasant Ave., Livingston, N.J.

 AUGENSTENE, MILTON G. (M'58), Asst. Chief Engr., WIIC-TV, 341 Rising Main, Pittsburgh 14, Pa.

 AUGER, ERNEST P. (M'58), Engr., Sylvania Elec.

 Prods., Inc., Waltham 54, Mass.

 AUGUSTINE, ALBERT F. (A'48-SM'58), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 AUGERI, JOSEPH J. (M'57), Sr. Application Engr.,

- Packard Co., 275 Page MIII Rd., Palo Álto, Calif.
 AUGERI, JOSEPH J. (M'577, Sr. Application Engr.,
 CBS-Hytron, Endicot St., Danvers, Mass.
 AUGUST, GERALD (S'54-M'58), 2299 Peldmont,
 Berkley 4, Calif.
 AUGUSTADT, HERBERT W. (SM'49), Sub-dept. Head,
 Beil Tel. Labs., Whilppany, N. J.
 AUGUSTIN, OSWALD E. (S'55-M'57), Electronics Engr.,
 Wright Air Development Center, Wright-Patterson AF8,
 Ohio.
- WITHIN ANY DEVELOPMENT CENTER, WITHIN-THER STATE OF APB, Ohlo.

 AUGUSTINE, ALBERT F. (A'48-SM'58), Engrg., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 AUGUSTINE, ERNEST F. (A'58), Lab., Technician, Electronic Communications, Inc., St. Petersburg, Fla. AUGUSTINE, JOHN A. (S'51-A'52-M'57), Electronics Engr., HMED, GE Co., Ulica, N.Y.

 AUGUSTINE, RICHARD J. (A'53-M'58), Dev. Engr., Emerson Electric Mfg. Co., 8100 Florissant, St. Louis 21, Mo.

 AUGUSTINE, ROBERT O. (M'54), Chief Packaging Engr., Panoramic Radio Prods., Inc., 10 S. 2nd Ave., Mt. Vernon, N.Y.

 AUGUSTUS, LEE M. (A'29-VA'39-M'55), Radio Engr., Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 26, MICh.

- Mich.
 AUKSTIKALNIS, THOMAS J. (S'57-A'59), Technician,
 Raytheon Mig. Co., Waltham 54, Mass.
 AULBACH, CHARLES E. (A'53), Capt., USAF, Electronics
 Engr., Atl Directorate DCS-I, Hqrs., USAFE, APO 633,
 New York, N.Y.
- New York, N.Y.
 AULD, 8.ERT A. (S'49-A'53-M'58), Research Assoc.,
 Microwave Lab., Stanford Univ., Stanford, Calif.
 AULD, JOHN S. (A'54), Mgr., Reconnaissance Lab., Allen
 8. DuMont Labs., Inc., 35 Market St., East Paterson,
- O. DUMONIX LAUSS., INC., 23 MARKET St., CAST FARETSON, N.J.

 AULD, STANLEY D. (S'56-M'59), Design Engr., McDonnell Aircraft Corp., Lambert Field, St. Louis, Mo.

 AULETTI, RONALD L. (M'56), Electronics Engr., Convair, Pomona, Callf.

 AULL, WILSON (A'17-M'27-SM'43), 4014 149 St., Flushing, L.I., N.Y.

 AULT, CHARLES E. (M'54), Pres., Ault Associates, 906 Willow Rd., Menlo Park, Calif.

 AULT, CYRUS F. (M'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 AULT, JAMES F. (M'56), Head, Elec. Sect., Tech. Evaluation Div., USN Mine Defense Labs., Panama City, Fla.

 AUNGST, JACK D. (S'55-M'56), Fnor.. Northrop Aircraft

- Evaluation Div., USN Mine Defense Labs., Panama City, Fla.

 AUNGST, JACK D. (S'55-M'56), Engr., Northrop Aircraft Co., Hawthorne, Calif.

 AURAND, JAMES A. (S'50-A'51-M'57), Engr., RCA Victor Co., Camden, N. J.

 AURELIUS, KENNETH P. (S'55-A'56), Field Engr., Burroughs Corp., 250 N. Broad St., Philadelphia, Pa. AURELL, CARL-GEORG P. (M'46), Prof., Chalmers Univ. of Technology, Gothenburg S., Sweden.

 AURICH, WALTER G. (S'50-M'56), Electronics Research Engr., Lockheed Missile System Div., Van Nuys, Calif.

 AURIEMA, AD. (A'58), Pres., Owner, Ad. Auriema, Inc., 85 Broad St., New York 4, N.Y.

 AURIEMA, ROBERT C. (S'44-A'47-M'55), Exec. V.P., Ad. Auriema, Inc., 85-89 Broad St., New York 4, N.Y.

 AURIN, RICHARD N. (S'55-M'57), Staff Asst., Southwestern Beil Tel. Co., 1010 Pine, St. Louis 1, Mo. AUSBOURNE, RICHARD K. (S'48-A'51-M'56-SM'58), Mem., Tech. Staff, Systems Dev. Lab., Hughes Aircraft Co., CUIVEr City, Calif.

 AUSEC, ROBERT C. (A'55), Research Engr., 80eling

- AUSEC, ROBERT C. (A'55), Research Engr., 80eing Airplane Co., 7755 E. Marginal Way, Seattle 14,
- AUSFRESSER, HAROLD D. (A'53-M'58), Engr., Westing-house Elec. Corp., Friendship Internati. Airport, Baltimore, Md.
- AUSIN, HERMAN A. (A'43-M'46), Engr., Geni. Kadio Co., 22 Baker Ave., West Concord, Mass.

- AUSTAD, HELGE (M'57), Engr., Litton industries, Home: 6638 Dandridge Dr., San Jose 29, Calif. AUSTAD, R., WILLIAM (S'54-M'56), Engr., GF Co., Van Ness at Orange, Tempe, Arlz. AUSTEIN, ELLIOT E. (A'53-M'58), 209 Phillips Hall, Ithaca, N.Y.

- Van Ness at Orange, Tempe, Ariz.

 AUSTEIN, ELLIOT E. (A'53-M'58), 209 Phillips Hali, Ithaca, N.Y.

 AUSTEN, BURTON G. (S'56-M'58), Electronics Engr. (Instrumentation), Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 AUSTIN, ARTHURO. (G'30), Owner, A.O. Austin Co., Box 109, Barberton, Ohio.

 AUSTIN, ARTHURO. (G'30), Owner, A.O. Austin Co., Box 109, Barberton, Ohio.

 AUSTIN, CHARLES S. (S'48-A'49-M'55), Research Engr., Boeing Airplane Co. of Seattle, Wash., Boston Engrg. Office, Wood St., Lexington, Mass.

 AUSTIN, F. ARNOLD (S'57-M'58), Lt., USN, U.S. Naval Shio Repair Facility, Yokosuka, Joann, Navy 3923, Box 8, FPO, San Francisco, Calif.

 AUSTIN, FRANK M. (A'42-SM'45), V.P., Houston Lighting & Power Co., Box 1700, Houston 2, Tex. AUSTIN, FREDERICK H. (A'48-M'56), Electronics Dev. Engr., Western Milliary Electronics Center, Motorola, Inc., 8201'E. MacDowell Rd., Phoenix, Ariz.

 AUSTIN, GEORGE A. (S'57-M'58), Box 29, Cary Hall, West Lafayette, Ind.

 AUSTIN, GREGORY E. (M'57), Dev. Engr., Electronic Defense Lab., Sylvania Electronic Systems, Box 205, Mountain View, Calif.

 AUSTIN, HOWARD B. (S'48-M'48), Elec. Engr., Sandia Corp., U.S. Salton Sea Base, Westmorland, Calif.

 AUSTIN, HOWARD B. (S'48-M'48), Elec. Engr., Soeing Alralane Co., Renton, Wash.

 AUSTIN, JAMES D. (S'58-M'59), Assoc. Engr., Soeing Alralane Co., Renton, Wash.

 AUSTIN, JAMES D. (S'58-M'59), Assoc. Engr., Soeing Alralane Co., Renton, Wash.

 AUSTIN, JAMES E. (M'58), Supvr., Electronic Training, Bendix Aviation Co., 95 & Troost Sts., Kansas City, Mo. AUSTIN, JOSEPH B., JR. (A'46-M'52-SM'58), Tech. Advisor, Hars. North Atlantic AACS Region, Westover AF8, Mass.

 AUSTIN, KIRRY 8. (A'25-VA'39-M'55), Dir., Research, Albed Control Co., Inc., 2 a 5 at England Mass.
- Advisor, Hors AF8, Mass.
- AUSTIN, KIR8Y 8. (A'25-VA'39-M'55), Dir., Research, Allied Control Co., Inc., 2 East End Ave., New York 21, N.Y.
- AUSTIN, LEN S. (S'56-M'58), 3329 Harvard Pl., Collinsville, III.
- Collinsellle, III.
 AUSTIN, LESLIE C. (A'56), Electronics Consultant,
 9404 N.E. Prescott St., Portland 20, Ore.
 AUSTIN, NORMAN A. (M'57), Project Engr., Varlan
 Associates, 611 Hansen Way, Palo Alto, Calif.
 AUSTIN, RAYMOND A. (A'51-M'57), Electronics Installation
 & Maintenance, Southwestern Bell Tel. Co., 220 S. Owosso,
 Tulsa, Okla. & Maintena... Tulsa, Okia.
- Tuisa, UKIa.

 AUSTIN, RICHARD C. (S'52-A'54), Engr., 8ell Tel. Co. of Pennsylvania, 210 Pine St., Harrisburg, Pa.

 AUSTIN, ROSWELL W. (S'42-A'43-M'48), Assoc. Research Engr., Visibility Lab., Scripps Institution of Oceanography, San Diego 52, Calif.
- AUSTIN, WAYNE M. (S'57-M'58), Engr., RCA, Harrison,
- N.J. AUSTRIAN, RALPH 8. (SM'48), Sales Mgr., Ling Electronics, Inc., 9937 W. Jefferson St., Culver City, Calif. AUTERMAN, JAMES L. (S'56-M'59), Elec. Engr., AC Spark Plug Div., 7929 S. Howell, South Milwaukee,
- AUSTRY, RALPHM. (A'53-M'58), Sr. Engr., Research, No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio. AUTH, LEO V., JR. (S'52-A'54-M'59), Instr., Elec. Engr., Inliv. of Illinois, Urbana, Ill. AUTREY, SAMUEL W. (A'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. AUTRY, ARVILLE T. (A'57), Field Engr., RCA Service Co., Camden 8, N.J. AUTRY, ARVILLE T. (A'57), Field Engr., RCA Service Co., Camden 8, N.J. AUTUORI, VINCENT A. (M'48), Consulting Engr. & Financial Advisor, 108 Alpine St., Bridgeport, Conn. AVAKIAN, EMIK A. (M'56), Sr. Systems Engr., Telerepister Corp., 445 Fairfield Ave., Stamford, Conn. AVALIONE, ALFONSO (S'47-A'49-M'57), Project Engr., Radio Engrg. Labs., Inc., 29-01 Borden Ave., Long Island City, N.Y.

- Radio Engrg. Labs., Inc., 29-01 Borden Ave., Long Island City, N.Y.

 AVELLA, NATHANIEL R. (S'51-A'52), Engr., RCA, Camden 2, N.J.

 AVELLA, NATHANIEL R. (S'51-A'52), Engr., RCA, Camden 2, N.J.

 AVELLINO, WILLIAM R. (S'55-M'58), Engr., Philoc Coro., 4700 Wissahlckon Ave., Philadelphla, Pa.

 AVENEY, RUSSELL J. (M'46), Field Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 AVERETT, SUMNER S. (A'52-M'58), Chief Engr., Dynamic Techniques, Inc., 13-06 43 Ave., Long Island City 1, N.Y.

 AVERET, CHARLES W. (S'57-A'58), Instr., Basic Electronics, Philoc Technep Div., El Paso, Tex.

 AVERY, HAROLD T. (A'53), Consultant, Marchant Calculators Div., Smith-Corona Marchant, Inc., 6701 San Pablo Ave., Oakland 8, Calif AVERY, JOHN D. (S'56-M'57), Elec. Engr., Army Bailistic Missile Agency, Redstone Arsenal, Ala.

 AVERY, ROGER E. (SM'57), Group Leader, Airborne Instrument Lab., Mineola, L.I., N.Y.

 AVIGNONE, ANGELO J. (S'55-A'57), Electronics Technician, New York Testing Labs., 47 West St., New York, N.Y.

 AVILES, HARVEY N. (A'55), Test Egulpment Design & Dev. Engr., Western Electric Co., Baltimore 24, Md.

 AVINS, JACK (A'39-SM'49-F'57), Mgr., Research Applications Lab., RCA Labs., Princeton, N.J.

 AVIS, ALEXANDER J. A. (S'42-A'44-SM'55), Advisory Engr., Westinghouse Elec. Coro., Sunnyvale, Calif.

 AVIV, DAVID G. (S'47-A'53-S'55-M'57), Sr. Project Engr., Eclipse Pioner Div., Industrial Blvd., Teterboro, N.J.

- AVIZIENIS, ALGIRDAS A. (S'55-M'56), Sr. Project Engr., Barnes & Reinecke, Inc., 230 E. Ohia \$t., Chicago 11,
- AVNET, ROBERT H. (A'57), Avnet Corp., 8966 National Blvd., Los Angeles, Calif. AVRECH, NORMAN (A'52-M'57), Mem. Tech. Staff, Ramo-Woolridge Corp., 5740 Arbor Vitae, Los Angeles
- 45 , Calif.
- AVRIN, JACK S. (A'55), Design Specialist, Convair, Pomona, Calif.

- AVRUTIK, ROBERT F. (S'48-A'50-M'55), Project Engr., Philips Electronics Inc., 750 S. Fulton Ave Mt. Vernon, N.Y.
- AWRAMIK, JOSEPH, JR. (S'47-M'52-SM'59), Electronics Scientist, Naval Research Lab. (Code 5412), Washington 25, D.C.
- 25, D.C.
 AWSCHALOM, MIGUEL (S'49-M'56), Research Staff
 Physicist, Princeton-Penn Accelerator, Princeton Univ.,
 Princeton, N.J.
 AX, LELAND S. (A'37-M'47-SM'58), Assoc. Prof.,
 Engro., Arizona State Univ., Tempe, Ariz.
 AXEL, ALLAN J. (S'55-M'57), Design Engr., Hazeltine Electronics Div., 31-33 Stewart St., Floral Park,
 L.I., N.Y.

- AXEL, STANFORD J. (S'56-M'57), Electronic Research Engr., Lockheed Missiles & Space Div., 7701 Woodley Ave., Van Nuys, Calif.

- Ave., van Nuys, Calif.

 AXEL8AND, ELLIOT I. (S'56-M'59), Elec. Engr., Hughes
 Aircraft Co., Culver City, Calif.

 AXEL8ANK, MARTIN (M'59), Staff Mem., MIT, Lincoln
 Lab., Lexington 73, Mass.

 AXEL8Y, GEORGE S. (S'50-A'51-M'54-SM'57),
 Engr., Westinghouse Elec. Corp., 8ox 746, Baitimore
 3, Md. 3. Md.
- 3, Md.
 AXELING, GUNNARS. (A'51-M'56), E. E. Telefonak-tiebolaget L. M. Ericsson, Stockholm 32, Sweden.
 AXELROD, ALBERT (S'49-A'50-M'57), Sr. Engr., Surface Communications Systems Labs., RCA, 75 Varick St., New York 13, N.Y.

- Varick St., New York 13, N.Y.

 AXELROD, LESLIE R. (S'55-M'57), Project Engr.,
 Powers Regulator Co., 3400 Oakton, Skokle, Ill.

 AXMANN, GEORGE F. (S'57-M'58), Pipe Line Engr.,
 Shell Oil Co., 8500 N. Michigan Rd., Indianapolis, Ind.

 AXTELLE, GEORGE E. (M'57), Mem. Tech. Staff, ITT

 Labs., 15151 Bledsoe St., San Fernando, Callí.

 AYER, DONALD R. (A'50-M'55), Prod. Mgr., Microwaves,
 Sanders Associates, Inc., 95 Canal St., Nashua, N.H.,

 AYER, RAYMOND B. (A'26-M'40-SM'43), Head, Vacuum
 Group, C Stellarator Project, RCA, New Holland Pike,
 Lancaster, Pa.

 AYER, WALTON T. (AIS2-MISO), Sch. E. T.
- Lancaster, Pa.
 AYER, WALTON T. (A'53-M'58), Sales Engr., Gates
 Radio Co., 123 Hampshire St., Quincy, III.
 AYER, WILLIAM E. (S'42-A'47-M'50-SM'53), Pres.,
 Applied Technology, Inc., 930 Industrial Ave., Palo
 Alto, Calif.
 AYER, WILLIAM H. (M'59), Project Engr., Francis
 ASSociates, Marion, Mass.
 AYERS, DAVID C. (S'54-A'54), Engr., Collins Radio
 Co., Cedar Rapids, Inwo.

- AYERS, JAMES L. (M'52), Asst. Chief Engr., Electronics, Astronics Div., Lear, Inc., 3171 S. Bundy Dr., Santa Monica, Calif.

- Monica, Calif.
 AYERS, JOHN 8. (A'55-M'55), Regional Engr., Louis
 Allis, 2099 N. 63, Philadelphia 31, Pa.
 AYERS, JOSEPH G., JR. (S'49-A'50-M'56), Staff
 Engr., IBM, Endicott, N.Y.
 AYERS, NORSERT E. (M'57), Field Service Rep., Bendix
 Computer Div., Bendix Avilation Corp., 5630 Arbor Vitae,
 Los Angeles 45, Calif.

- Los Angeles 45, Calif.

 AYERS, RICHARD D. (S'54-A'55-M'58), Engr., Hughes Aircraft Co., Culver City, Calif.

 AYERS, WALTER R. (S'55-M'58), Research Asst., Stanford Univ., Stanford, Calif.

 AYKANIAN, ARA A. (S'55-M'57), Electronics Engr., Research & Advanced Dev. Div., Avco Corp., 201

 Lowell St., Wilmington, Mass.

 AYLESWORTH, ARTHUR 8. (M'56), Electronics Engr., Avro Aircraft, Ltd., Box 4004, Terminal "A," Toronto, Ont., Canada.

 AYLOR, RAYMOND P. ...IR. (A'37-VA'20), 5-cc.
- AYLOR, RAYMOND P...JR. (A'37-VA'39), Engr., Consulting Communications Engrs., 80x 121, Garrett Park, Md.
- Onisonating Communications Engrs., OOX 121, Garrett Park, Md.

 AYLOTT, ARTHUR J. (\$'57-M'59), Assoc. Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.

 AYMAR, ERWIN (A'26-VA'39), Cmdr., USNR, U.S., Naval Shipyard, Brooklyn 1, N.Y., AYMOND, EDWARD F., JR. (A'49), Pres., Edward F. Aymond Co., 4312 Maple Ave., Dalias 19, Tex., AYOO8, ABBUL S. (\$M'55), Dir., Telephones, Karachi, Post & Telegraph Dept., Karachi 2, Pakistan.

 AYOU8, MICHAEL A. (M'59), Sr., Project Engr., Waters Mg., Inc., 8ox 368, South Sudbury, Mass.

 AYRE. THEODORE P. (M'57), Sr. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 AYRES, DWIGHT T. (A'58), Engro., Aide, Ordnance, Research Lab., The Pennsylvania State Univ., University Park, Pa.

 AYRE, JAY J. (M'44), Engro., Mgr., RCA, Camden, N.J.

- Park, Pa.

 AYRES, JAY J. (M'44), Engrg. Mgr., RCA, Camden, N.J.

 AYRES, RALPH C. (A'30-M'41-SM'43), Asst. Dir.,

 Engrg., Kansas City Div., Bendix Aviation Corp., 80x

 1159, Kansas City 41, Mo.

 AYRES, WESLEY P. (M'56), V.P., Microwave Engrg.

 Labs., Inc., 943 Industrial Ave., Palo Alto, Calif.

 AYRES, WILLIAM R. (M'52-SM'53), Bombing & Armament

 Systems Unit Chief, Boeing Airplane Co., Wichita 1, Kan.

 AYUKAWA, KARL (M'57), Asst. Research Officer,

 Natl. Research Council, Montreal Rd., Ottawa, Ont.,

 Canada.

 AZAMA, JAMES T. (S'55-M'56), Research Engr., Auto-
- Canada.

 AZAMA, JAMES T. (S'55-M'56), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 AZAREN, DAVID. (S'50-A'51-M'56), Sr. Systems Engr., RCA, Moorestown, N.J.

 AZARI, ERIC. M'57), Sr. Staff Engr., AC Electronics

 Div., GMC, 5670 E. Washington Blvd., Los Angeles
 22. Calif.
- AZGAPETIAN, VICTOR (SM'55), Chief Systems Engr., Servomechanisms, Inc., Santa Barbara Airport, Goleta, Calif.
- AZIZ, RAHMAT A. (\$'57-M'59), Electronics Engr., ElectroData Corp., 460 Slema Madre Villa, Pasadena, Callf.
- AZOFF, IRVING (M'56), Electronics Engr., U.S. Army Signal Supply Agency, Philadelphia, Pa.

8AADE, EUGENE C. (\$'54-A'56), Dev. Engr., Control Instrument Co., 67 35 St., Brooklyn 32, N.Y. 8AAKE, DONALD W. (A'55-M'58), Kineniex Prod. Line Mgr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif.

- BAARS, REINHARD D. (S'58-M'59), Design Engr., Frequency Standards, Inc., Box 504, Asbury Park, N.J. BAART, JOSEPH G. (A'54), Communications Systems Engr., Philico Tech. Rep. Div., RCAF Hurs., Ottawa, Philico Corp. of Canada, Don Mills, Ont., Canada. BAASCH, HERBERT C. (M'46), Sr. Project Engr., ITTLabs., Nutley 10, N.J. BAASCH, THOMAS L. (S'47-A'51-M'58), Physicist, Servo Corp. of America, 20-20 Jericho Tpke., New Hyde Park, L.I., N.Y.

- L.I., N.Y.

 BAATZ, ALFRED C. (S'55-M'57), Elec. Engr., Link
 Aviation, Binghamton, N.Y.

 BABAKIAN, JACOB (M'45), Pres., Research Technology
 Associates, Inc., 19 Jones Rd., Waltham, Mass.

 BABB, DAVID D. (S'49-A'50-M'55), Sr. Nuclear Engr.,
 Convair, Ft. Worth, Tex.

 BABB, ERNEST L. (A'56), Technician, RCA Service Co.,
 3189 Summer Ave., Memphis 12, Tenn.

 RARRE FYRETT L. (S'56-M'58). Instrementation Engr.
- BABBE, EVERETT L. (S'56-M'58), Instrumentation Engr., Marquardt Aircraft Co., 16555 Saticoy, Van Nuys, Calif.
- BABBIT, ELLIS B. (A'47-M'55), Radio & Science Instr., Northeast Senior High School, 415 S. Van Brunt St., Kansas City 3, Mo.

- Rallsas City 3, Mo.

 BABBIT Z, HARLEY B. (M'56), Sr. Electronics Engr.,
 Convair, San Diego, Calif.
 BABCOCK, DAYTON W. (S'57-M'58), Elec. Engr.,
 Bocing Airplane Co., Seattle, Wash.
 BABCOCK, DEAN F. (S'43-A'47-M'55-SM'56), Head,
 Navigation Group, Stanford Research Institute, Menlo
 Park, Calif.
- Park, Calif.

 BABCOCK, LAWRENCE F. (S'49-A'51-M'56), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 BABCOCK, LEONARD V. (M'55), 5r. Project Engr., Warwick Mfg. Corp., 7300 N. Lehigh, Chicago, III.

 BABCOCK, MURRAY L. (S'47-M'58), Research Assoc., Univ. of Illinois, Urbana, III.

 BABCOCK, ROBERT A., III. (A'55-M'57), Research Engr., Matl. Aeronautics & Space Administration, Hampton, Va. ABRCOCK ROBERT I. (S'51-A'53), Sr. Technisia.
- BABCOCK, ROBERT L. (S'51-A'53), Sr. Tecinician, Litton Industries, 336 N. Foothill Rds., Beverly Hills, Calif.
- BABCOCK, THEODORE R. (S'49-A'50-M'55), Sect. Head, Electronic Systems, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y.

- 1400 N. Goodman St., Rochester 3, N.Y.

 BABCOCK, WALLAGE C. (A'45-M'45), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.

 BABCOCK, WILLIAM E. (S'43-A'45-M'53-SM'57),
 Mgrs., Entertainment Receiving Tube Application Engrg.
 Lab., RCA, Harrison, N.J.,
 BABEAUX, ALBERT G. (A'45), V.P., Birtcher Corp.,
 4371 Vailey Blvd., Los Angeles 32, Calif.

 BABIAK, JOHN (S'47-M'58), Inside Sales Engr., GE
 Supply Co., 401 E. Hunting Park, Philadelphia 42, Pa.
 BABICA, BONALD J. (S'58-A'59), 1623 Wesley Ave.,
 Utica 4, N.Y.

 BABILLUS, JOHN (M'45-SM'50) Free, V.P. Natl
- BABILLUS, JOHN (M'45-SM'50), Exec. V.P., Natl. Data Processing Corp., 816 1st Ave., N.E., Cedar Rapids, Iowa.
- Data Processing Corp., 816 1st Ave., N.E., Cedar Rapids, Iowa.
 BABIN, ROBERT S. (A'48-SM'55), Mem. Tech. Staff, The Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.

 "A Company of the Company of
- BABITS, VICTOR A. (A'33-M'35-SM'49-F'59), Prof., Elec. Engrg., Rensselaer Polytechnic Institute, Troy, N.Y. 3ABKA, FRANCIS J. (M'56), Regional Mgr., Sequoia Wire & Cable Div., Mandrel Industries, Inc., 111 S. Bemiston, St. Louis 5, Mo.
- St. Louis 5, Mo. BABROS, RONALD E. (S'57-M'58), Communications Officer, U.S. Army, Ft. Campbell, Ky. BABY, JEAN (S'55-M'56), Montreal Dist. Engrg. Rep., Electromechanical Prods., 11819 Michel Sarrazih, Montreal 9, P.Q., Canada.
- Westinghouse Elec. Corp., Air Arm Div., Box 746, Baltimore 3, Md.
- BACCHINI, CESARE (A'51), Mgr., Soc. R. L. Radio Allocchio Bacchini, Piazza S. M., Beltrad N. 1, Milano, Italy.

- Milano, Italy.

 BACCUS, IRA B. (SM'56), Elec. Engrg. Dept., Michigan State Univ., East Lansing, Mich.

 BACH, HENRY M. (A'41-M'55), RCA Patent Engr., RCA Labs., Princeton, N. J.

 BACH, JAMES R. (A'44-SM'45), Pres., Bach-Simpson, Ltd., 1255 Brydges St., London, Ont., Canada.

 BACH, RALPH E., JR. (M'57), Asst. Prof., Northeastern Univ., Boston, Mass.

 BACH, ROY O. (A'19-SM'45), Toll Service, Transmission Engr., The Pacific Telephone & Telegraph Co., B21 2nd Ave., Seattle 1, Wash.

 BACHAND, GORDON R. (S'41-445-SM'52), Div.
- AVE., Seattle 1, Wash.

 BACHAND, GORDON R. (S'41-A'45-SM'52), Div.

 Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 BACHER, JOE R. (M'58), Factory Field Engr., Allen

 i. Williams Co., 3221 Silver, S.E., Albuquerque,

 N.M.

- N.M.

 BACHHUBER, RICHARD A. (A'41-M'55), Sect. Head, Sylvania Elec. Prods., Inc., 2001 N. Cornell Ave., Melrose Park, III.

 BACHMAN, BRUCE E. (S'57-M'58), Engr., Martin Co., Baltimore 3, Md.

 BACHMAN, CHARLES H. (S'32-A'35-VA'39-SM-54-F'55), Prof., Physics, Syracuse Univ., Syracuse, N.Y.
- BACHMAN, CHRISTIAN G. (S'51-A'54-M'55), Electronics Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N.Y.

- Buffalo 21, N.Y.

 BACHMAN, CURTIS R. (S'56-M'57), Electronics Engr., Ryan Aeronautical Co., Kearny Mesa, Calif.

 BACHMAN, DALE F. (S'55-M'57), Jr. Engr., IBM, Owego, N.Y.

 BACHMAN, HENRY L. (S'51-A'52-M'57-SM'58), Sr. Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.

 BACHMAN, MELVIN N. E. (M'58), Project Engr., Frederick Research Corp., 4630 Montgomery Ave., Bethesda 14, Md.

 BACHMAN, WALTER S., JR. (M'56), Elec. Engr., United-Carr Fastener Corp., 31 Ames St., Cambridge 39, Mass. United-Carr 39, Mass.
- BACHMAN, WILLIAM J. (M'51-SM'53), Engr., Leader, RCA, Harrison, N.J.

- BACHMAN, WILLIAM S. (S'32-A'36-M'45-SM'54-F'56), Dir., Engrg. & Dev., Columbia Records, Inc., 799 7 Ave., New York 19, N.Y.

- 799 7 Ave., New York 19, N.Y.

 PACHMANN, ANDREAS E. (4'56), Project Engr., PTT Research Lab., Speichergasse 6, Berne, Switzerland.

 BACHMANN, JOHN F. (SM'5B), Principal Engr., Bendix Radio Div., Towson 4, Md.

 BACHOFER, HENRY L. (4'53), Asst. Electronics Engr., Sun Oil Co., Newton Square, Pa.

 BACHRACH, HERBERT E. (4'55), System Engr., RCA Internatl. Div., Clark, N.J.

 BACHTELL, RICHARD S. (M'55), Electronics Engr., Good-year Aircraft Copp., 1210 Massillon Rd., Akron 15, Ohlo.

 BACHYSKI, MORREL P. (5'54-M'56'-SM'58), Assoc. Labs. Dir., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.

 BACK, GEORGE I. (SM'53-F'55), Maj. Gen., U.S. Army, Retired; Asst. to Pres., Internatl. Resistance Co., 401

 N. Broad St., Philadelphia, Pa.

 BACKARD, ETHEL M. (4'59), Tech. Editing Clerk, Bell
- BACKARD, ETHEL M. (A'59), Tech. Editing Clerk, Bell Tel. Labs., 1600 Dsgood St., North Andover, Mass. BACKARD, M. JOSEPH (M'56), Sect. Chief, Western Electric Co., Lawrence, Mass.
- SACKER, CARL M. (M'44-SM'54), Project Mgr., Internatl. Standard Electric Corp., 67 Broad St., New York 4, N.Y. BACKER, LYLE A. (A'34-VA'39-SM'54), Tech. Adviser to Pres., North American Phillips, 100 E. 42 St., New York, N.Y.
- BACKINOFF, BERTRAM (A'47-M'55), Engrg. Writer, Emerson Radio & Phonograph Corp., 14 & Coles Sts., Jersey City, N.J.
- BACKMAN, FRANK F. (S'52-A'53-M'58), IBM, Pough-keepsie, N.Y.
- keepsie, N.Y.

 BACKMAN, JOHN A. (A'43), Chief Transmissionman, Pa-cific Telephone & Telegraph Co., 757 Fawcett Ave., Tacoma, Wash.
- BACKMAN, KENNETH E. H. (A'52-SM'57), Asst. Chief Engr., Two-Way Mobile Prods. Engrg. Dept., Communica-tions & Industrial Electronics Div., Motorola, Inc., 4501
- W. Augusta Blvd., Chicago 51, III.

 BACKMARK, NILS (A'47-M'55), Skonstaholmsvagen 61, Stockholm, Sweden.
- BACKSTROM, EMIL F. C., JR. (S'54-A'57), Service Mgr., Nuclear-Chicago Corp., 223 W. Erie, Chicago 10, III.
- NILClear-Unicago Corp., 223 W. Erie, Unicago 10, 111.
 BACKUS, CLYDE H. (4/56), Sr. Design Engr., RCA, 66
 Broad St., New York 4, N.Y.
 BACKUS, JOHN W. (M'55), Mgr., Programming Research
 Dept., 18M, Box 218, Yorktown Heights, N.Y.
 BACKUS, ROBERT A. (5'50-A'50), S. Calif, Regional
 Sales Mgr., Wiancko Engrg. Co., 255 N. Halstead St.,
 Pasadena 8, Calif.
- Pasagena 6, Call.

 BACKUS, WILLIAM A. (M'59), Engr., Jansky & Balley,
 1339 Wisconsin Ave., Washington 7, D.C.

 BACON, DONALD R. (S'48-4'50-M'55), Mktg. Rep.,
 Communications Systems, IBM, 112 East Post Rd., White
 Plains, N.Y.
- BACON, EDWARD J. (M'53), Sect. Chief, Emerson Research Labs., 701 Lamont St., N.W., Washington, D.C. BACON, FRANCIS W., JR. (S'54-M'56), Planning & Inspection Officer, Resident Supvr., Shipbuilding, USN, Box 596, Sturgeon Bay, Wis.
- BACON, FREDERIC S., JR. (M'59), Owner, Frederic S. Bacon, Jr., 881 Main St., Winchester, Mass. BACON, JAMES R. (M'55), Asst. Dev. Engr., Burroughs Research Center, Paoli, Pa.

- Research Center, Paoli, Pa.

 BACON, JOHN (A'46-M'55), Research & Teaching, Elec.
 Engrg. Dept., Ohio State Univ., Columbus 10., Ohio.

 BACON, JOHN K. (S'57-M'59), Electronics Engr., U. S.
 Army Scientific Liaison & Advisory Group, Pentagon, Washington 25., D.C.

 BACON, LYLE C. (S'54-M'58), Mem. Tech. Staff, GE
 Microwave Lab., 601 California Ave., Palo Alto, Calif.
 BACON, RCHARD N. (4'53-M'58), Engr., Research, No.
 Amer. Aviation, Downey, Calif.
 BACON, ROBERT A. (A'57-M'59), Field Engr., Philoc
 Cop., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 BACON, WALTER L. (A'44), Supvy. Engr. A, Central Office Equipment & Dial Traffic Measurement, Genl. Telephone
 Co. of California, 323 N. Elizabeth Ave., Monterey Park,
 Calif.
- Canadian Arsenals, Ltd., Box 256, Postal Sta. H., To-ronto 13, Ont., Canada.
- BACONNET, JAMES (M'57), Digital Computer Application Analyst, Royal-McBee Corp., 3913 Chestnut St., Phila-delphia 44, Pa. BADEMIAN, LEO (M'59), Elec. Engr., Bendix Prod. Div., 400 S. Beiger St., Mishawaka, Ind. BADER, 8ENEDICT (M'57), Sr. Engr., ITT Labs., Nutley 10, N.J.

- BADER, JOSEPH M. (M'57), Sr. Engrg. Technician, Airborne Instrument Lab., Mineola, L.I., N.Y.
 BADGER, ALGERNON S. (SM'57), Project Engr., Southwestern Industrial Electronics Co., Box 13058, Houston 19, Tex.
- 19, Tex.
 BADGER, ARTHUR H. (A'55), Engr., Motorola, Inc., 4501
 W. Augusta Bivd., Chicago 51, III.
 BADGER, GEORGE M. W. (S'50-A'52-M'56), Mktg., Research & Dev., Eitel McCullough, San Bruno, Calif.
 BADGETT, ALVIN F. (A'45-M'54), Engr., AT&T Co., 917
 Hurt Bidg., Atlanta 5, Ga.
 BADGLEY, ROBERT H. (SM'57), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.
 BADING, CHARLES E. (S'54-M'55), Staff Engr., IBM,
 Kinston. N.Y.

- Kingston, N.Y.

 BADDYANNIS, GEDRGE M. (S'50-A'51-M'57), Dir., Research, Micropitase Corp., Box 1166, Greenwich, Conn.

 BADT, MILTON B. (M'57), Field Engr., Western Electric
 Co., Winston-Salem, N.C.

 BADY, ISIDORE (A'42-M'54-SM'56), Physicist, U.S. Army
 Signal Research & Development Lab., Ft. Monmouth, N.J.

 BAECHTEL, A. ROBERT (S'43-A'47-M'55), V.P.,
 Andromeda, Inc., 3742 Howard Ave., Kensington, Md.

 BAER, CLARENCE E. (M'47-SM'52), Tech. Advisor,
 Physical Defense Branch, Weapons Guidance Lab., WrightPatterson AFB, Ohio.

 BAER, ELIGERFY W. (A'53-M'59), Head Esselbillin Branch

- BAER, EUGENE W. (A'53-M'59), Head, Feasibility Branch Systems Engr., USN Underwater Ordnance Sta., Newport, R.I.

- BAER, JAMES A. (S'50-A'51-SM'56), Research Engr., Stanford Research Institute, 333 Ravenswood Ave., Menlo Park, Calif.
- Park, Calif.
 BACR, JOSEPH (A'44-M'48-SM'57), Staff Mem., Hycon
 Eastern Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.
 BACR, MAURICE T. (M'58), Field Engr., Philco Corp., 22
 St. & Lehigh Ave., Philadelphia 32, Pa.
 BACR, RALPH H. (A'47-M'56), V.P., Engrg., Electronics
 Div., Van Norman Industries, Inc., 186 Granite St.,
 Manchester, N.H.
- BAER, THEODORE M. (S'47-A'49-M'55), Baer Trading Co., 60B 5 Ave., New York 20, N.Y.
 BAER, WAYNE E. (S'57-M'58), 331 Meyers Ave., Meyers-dale, Pa
- BAERST, LOUIS R. (A'56), 395 Riverside Dr., New York 25, N.Y.
- BAERWALD, HANS G. (A'38-M'46-SM'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M. BAEUCHLER, EDWARD W. (S'55-A'58), Letter Carrier, U.S. Post Office, Phoenix, Ariz.
- BAEUMLER, HOWARD W. (M'56), Research Assoc., Antenna Lab., Dept. Elec. Engrg., Ohio State Univ., Columbus 10, Ohio.

- BAGG, THOMAS C. (A'41-M'48), Physicist, Natl. Bureau of Standards, Washington 25, D.C. BAGGO, JASME J. (A'54), Computer Research Engr., No. Amer. Aviation, Downey, Calif. BAGGER, PREBEN V. (S'56-M'59), Abbetved, KR, Saby, Denmark.
- Denmark.

 BAGGERMAN, GARRETT L. (SM'59), Electronics Engr., USN Bureau of Aeronautics Rep., Akron 4, Ohio.

 BAGGIA, MARIO E. J. (S'54-M'56), Elec. Engr., ITT Labs., Nutley 10), N.J.

 BAGGIA, ROCCO J. (S'53-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BAGHDADY, ELIE J. (A'52-M'57), Asst. Prof., Elec. Engr., MIT, Cambridge 39, Mass.

 BAGI, ROGER R. (S'56-M'59), Electronics Engr., Hughes Aircraft Co., Cuiver City, Calif.

 BAGLEY, ALAN S. (S'48-A'50-SM'56), Mgr., Engrg. Div., Hewlett-Packard Co., Palo Alto, Calif.

 BAGLEY, DAVID S. (S'56-M'58), Elec. Engr., ITT Labs. BAGLEY, DAVID S. (S'56-M'58), Elec. Engr., ITT Labs.

- BAGLEY, DAVID S. (S'56-M'58), Elec. Engr., ITT Labs., Nutley 10, N.J.
- Nutley 10, N.J.

 BAGLEY, GEORGE D. (SM'53), Assoc. Dir., Telecommunications Lab., Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.

 BAGLEY, PHILIP R. (S'48-A'51-M'56), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 BAGLIONE, DANIEL F. (A'59), Test Engr., Convair, Ft. Worth, Tex.

- MGRALL, JAMES J., JR. (S'49-A'50-M'55-SM'57), Mgr., Tech. Staff, National Co., 61 Sherman St., Mal-den, Mass.
- BAGNO, SAMUEL M. (A'37-VA'39-SM'54), Chief Engr., Walter Kidde Ultrasonic Div., 717 Broadway, Newark, N.J.
- BAGSHAW, GEORGE W. (A'58-SM'58), Dir., Wireles Telephone Co., Ltd., Hallamgate Works, Sheffleld 10
- BAGWELL, CHARLES E. (SM'55), V.P., Equipment Div., Hanson-VanWinkle-Munning Co., Church St., Matawan, N.J.
- BAHLAY, ANDREW (A'44-M'50-SM'55), Engr.-in-Chg., FCC, 521 New Custom House, Denver 2, Colo.
 BA'HLI, FREDDY (A'48-M'55), Dir., Research, Unio.. of Burma Applied Research Institute, Kanbe, Yankin P.O., Rangoon, Burma.
- RAINGOON, BURMA.

 BAHLS, WALTER E. (SM'55), Mgr., Automation Systems
 Dev., RCA, Harrison, N.J.

 BAHM, DONALD H. (S'56-M'57), Electronics Engr., Bendix Aviation Corp., 95 & Troost St., Kansas City, Mo.

 BAHNSEN, RALPH J. (S'54-A'55-M'59), Staff Engr.,
 IBM, Poughkeepsie, N.Y.

- IBM, Poughkeepsie, N.Y.
 BAHR, ALLAN C. (S'56-M'59), Elec. Engr., AC Spark
 Plug Co., 7929 S. Howell Ave., South Milwaukee, Wis.
 BAHR, WILFRED B. (A'53-M'5B), Engr., RCA, 1300 S.
 Rogers St., Bloomington, Ind.
 BAHRET, ROBERT W. (A'54-M'57), Instr. & Tech. Writer,
 IBM, Poughkeepsie, N.Y.
 BAHRET, WILLIAM F. (A'51-M'56), Electronics Scientist,
 Wright Air Development Center, Wright-Patterson AFB, Ohio.
 BAHRS, GEORGE S. (S'54-M'56), Research Assoc. Electronics Research Lab., Stanford, Calif.
 BAIAMONTE, FRANK L. (A'54), 1424 12 St., Greeley,
 Colo.
- Colo.

 BAIDA, SEYMOUR (M'57), Engr., Westinghouse Elec.
 Corp., Friendship Internatl. Airport, Baltimore 3, Md.
 BAIDYA, NABA R. (A'54-M'56), Engr.-in-Chg. & Head of
 Wireless Dept., Ministry of Public Warks & Communication
 Govt. of Nepal, Wireless Head Office, Kathmandu, Nepal,

- Govt. of Nepal, Wireless Head Office, Kathmandu, Nepal, India.

 BAIERBACH, ROBERT I. (S'55-M'57), 6 Grant Ave., Pittsburgh 2, Pa.

 BAIL, JOHN W. (M'55), Leader, Aviation C & N Engrg., RCA, Camden 2, N.J.

 BAILEY, ALAN D. (M'58), Asst. Prof., Research in Communications Northeastern Univ., 360 Huntington Ave., Boston 15, Mass.

 BAILEY, ALBRAT D. (A'53-SM'55), Prof., Elec. Engrg. Dept., Univ of Illinois, Ubana, III.

 BAILEY, ALDEN B. (S'49-A'50-M'56), Field Engr., c/o Electronics Officer, Commavairiant N.A.S.. Norfolk, Va.

 BAILEY, ARNOLD B. (A'27-M'42-SM'43), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 BAILEY, ARTHUR W. (A'59), Sect. Head, Naval Research Lab., Washington, D. C.

 BAILEY, AUSTIN (A'25-M'25-F'36), Consulting Engr., 193 Sagamore Rd., Millburn, N.J.

 BAILEY, B. HILLMAN, JR. (A'51-M'52), Pres. & Genl. Mgr., Natchitoches Broadcasting Co., Inc., 5 & Sirod, Natchitoches, La.

 BAILEY, BERTRAM G. (S'56-A'57), Electronics Mechanic, Hunbes diversit Co.

- Natchitoches, La.

 BAILEY, BERTRAM G. (S'56-A'57), Electronics Mechanic, Hughes Aircraft Co., Fullerton, Calif.

 BAILEY, CALVIN E. (S'57-A'58), Graduate Asst., Syracuse Univ., Syracuse 10, N.Y.

 BAILEY, CHARLES C. (A'53-M'59), Electronics Engr., Librascope, Inc., 808 Western, Glendale, Calif.

 BAILEY, CHARLES W., JR. (A'55), Engr., GE Co., M.O.S.D., Box 666, Cocoa, Fla.

- BAILEY, CLAUDE O.C. (M'56), Chief Communications Technician, N.B., Provincial Govt., Dept. Lands & Mines, Fredericton, N.B., Canada.
- BAILEY, CLOVIS L. (A'51), Owner, Pres., Chief Engr., Jennings Broadcasting Co., Inc., 1521 Lake Arthur Ave., Jennings, La.

- Jennings Broadcasting Co., Inc., 1921 Lake Arduir Ave., Jennings, La.

 BAILEY, DAVID G. (A'52-M'56), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif.

 BAILEY, DAVID L. (M'53), Tech. Staff, The Mitre Corp., Box 208, Lexington 73, Mass.

 BAILEY, DEAN C. (S'53-A'53), Sr., Electronics Dev. Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 BAILEY, DEWITT C. (M'56), Pres., Radio Service, Inc., 106 East St., Tampa 2, Fla.

 BAILEY, EDWIN L. (S'57-M'59), 13331 Pepperwood Ave., Bell Flower, Calif.

 BAILEY, EDWIN M. (A'49), Dir., Research, Industrial Gauges Corp., 1500 The Plaza, West Englewood, N.J.

 BAILEY, EMERA S. (S'55-M'57), Lt. Cmdr., USN, Engrobuty Officer, Navy Dest., Washington, D.C.

 BAILEY, F. MERADE (A'41-M'45-SM'52), Mgr., Advance Engr., Industry Control Dept., GE Co., Box 2488, Roanoke, Va.
- BAILEY, F., MEADE (A'4]-M'45-SM'52), Mgr., Advance Engrg., Industry Control Dept., GE Co., Box 2488, Roanoke, Va.

 BAILEY, FREDERICK C. (M'58), Radar Engr., Canadlan Marconi Co., 3594 Main St., Vancouver, B.C., Canada.

 BAILEY, FREDERICK W. (M'56), Pres., Ling Systems, Inc., 11949 Vose St., North Hollywood, Calif.

 BAILEY, GEORGE E. (S'52-A'54-M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BAILEY, GEORGE J. (M'58), Dev. Engr., Electronics Canadair, Ltd., Box 6087, Montreal, P.Q., Canada.

 BAILEY, GEORGE W. (A'38-SM'46-F'56), Exec. Secy., The Institute of Radio Engineers, Inc., 1 E. 79 St., New York 21. N.Y.

- York Z.J. N.Y.

 BAILEY, HOLMES (M'56), Engrg. & Sales, Aircraft Radio Corp., Boonton, N.J.

 BAILEY, HOWARD J., JR. (M'55), Engrg. Specialist, Hoffman Labs., 3761 S. HIII St., Los Angeles 7, Calif. BAILEY, JABE E. (M'53), Mem. USAF, Tinker AFB, Okla.
- BAILEY, JAMES T. (M'59), Engr., FAA, Oklahoma City,
- BAILEY, JAMES T. (M'59), Engr., FAA, Oklahoma City, BAILEY, JEP H. (A'37-VA'39-M'55), Asst. Prof., Physics, The Citadel, Charleston, S.C.
 BAILEY, JOE E. (S'56-M'57), Design Engr., Cutler-Hammer, Inc., 315 N. 12 St., Milwaukee 1, Wis.
 BAILEY, JOHN C. (M'53), Asst. to Dept. Mgr., Systems Dev. Labs., Hughes Aircraft Co., Culver City, Calif.
 BAILEY, JOHN W. (M'55), Sr. Dev. Engr., Servo Corp. of America, 20-20 Jericho Tpke., New Hyde Park, L.I., N.Y.
 BAILEY, JOHN W. (A'57), Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 BAILEY, KENNETH D. (SM'54), Research Specialist, Lockheed Aircraft Co., Burbank, Calif.
 BAILEY, KNIGHT V. (SM'56), Computer Dev., Bendix Aviation Corp., Research Div., Box 5115, Detroit 35, Mich.
 BAILEY, LESTER W. (A'45-SM'48), R.D. 2, Salan, M. I.

- MICH.

 BAILEY, LESTER W. (A'45-SM'48), R.D. 2, Salem, N.J.
 BAILEY, LEWIS E. (S'49-A'50-M'55), Industrial Service
 Engr., Blackstone Valley Gas & Electric Co., 55 High St.,
 Pawtucket, R.J.
- Pawtucket, R.J.

 BAILEY, NORMAN A. (M'56), Electronics Specification Engr., Convair, Pomona, Calif.

 BAILEY, PETER H. G. (M'56), Contracts Administrator, 1T&T Electronics Service Co. of Canada, Ltd., 2055 Peel St., Montreal, P.Q., Canada.

 BAILEY, R.COOPER (A'41-M'44-SM'47), Owner, Engrg. Service Co., Box 112, Richmond 1, Va.

 BAILEY, RALPH E. (A'39-M'45), Communications Engr., RCA, Camden, N.J.

- RCA, Camden, N.J.
 BAILEY, RAY W. (M'56), Servomechanisms, Component &
 Systems Engr., Chance-Vought Aircraft, Jefferson Bivd.,
 Dallas, Tex.
 BAILEY, RICHARD 8. (A'55), Industry Specialist, Keystone
 Custodian Funds, 50 Congress St., Boston, Mass.
 BAILEY, RICHARD E. (S'55-M'58), Electronics Test Engr.,
 Convair-Astronautics, Box 1128, San Diego 12, Calif.
- BAILEY, RICHARD J. (A'55), Electronics Engr., No. Amer. Aviation, Columbus, Ohio. BAILEY, ROBERT L. (A'54-M'58), Engr., The Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland
- BAILEY, ROBERT L. (S'4B-A'50-M'55), Mgr., Electronics Systems Engrg., GE Co., Bryan Dairy Rd., St. Petersburg, Fla.

- Fia.

 BAILEY, ROBERTS. (A'47-SM'50), Assoc. Lab. Dir., ITT Labs., Nutley 10, N. J.

 BAILEY, ROBERT T. (M'53), Project Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 BAILEY, RUSSELLE M. (A'52), Deputy Chief, Anti-Missile Officer, Research & Dev. Div., Army Rocket & Guided Missile Agency, Redstone Arsenal, Ala.

 BAILEY, SHADY O. (A'52-M'57), Physicist (Electronics), Naval Research Lab., Washinoton, D.C.

 BAILEY, SHIRL H. (A'53), Tech. Asst. to Mgr., Qualtly Control, IBM, San Jose, Calli.

 BAILEY, STUART L. (A'28-M'36-SM'43-F'43), Pres.,
- CONUOI, IBM, DAN JOSE, CAIII.

 BAILEY, STUART L. (A'2B-M'36-SM'43-F'43), Pres.,
 Jansky & Bailey, Inc., 1339 Wisconsin Ave., N.W.,
 Washington 7, D.C.

 BAILEY TROUBES L. (AIAS), Summer Podio Communication
- BAILEY, THOMAS J. (A'45), Supvr., Radio Communication
 Wisconsin Electric Power Co., 231 W. Michigan St., Milwaukee . Wis .
- waukee, Wis.

 BAILEY, VIRGIL A. (A'59), Test Equipment Technician, Sandia Corp., Sandia Base, Albuquerque, N.M.

 8AILEY, W.R. (A'48-M'53), Mgr., Surveillance & Accessory Equipment Dept., Texas Instruments, Inc., 6000
 Lemmon Ave., Dallas 9, Tex.
- Lemmon Ave., Jailas y, Iex.

 BAILEY, WARD E., JR. (M'59), Design Engr., Power Tube
 Dept., GE Co., Schenectady, N.Y.

 BAILEY WILLIAM F. (S'33-A'36-VA'39-SM'51-F'54),
 Asst. Dir., Research, Hazeltine Research Corp., Little Neck
 62, L.I., N.Y.
- BAILEY, WILLIAM M., (M:23-3M'43), V.P. & Chief Engr., Cornell-Dubliler Electric Corp., 1605 Rodney French Bivd., New Bedford, Mass.
- BAILIN, LOUIS L. (SM'53), Prof., Elec. Engrg., Univ. of Southern California, 351B University Park, Los Angeles,
- Calif.

 BAILIN, RICHARD C. (A'49-M'55), Sales Engr., Thermatron Co., 214 W. 39 St., New York 14, N.Y.

 BAILY, F. A. A. (A'30-M'45), Sr. Engr., Canadlan Marconi Co., Trenton RJ., Mourin Royal, P.Q., Canada.

- BAIN, JAMES D. (M'54-SM'54), Tech. Mgr., Instrument & Radar Div., Canadian Arsenals, Ltd., Box 256, Postal Sta. "H," foronto 13, Ont., Canada. BAIN, JOHN R. (A'29-SM'46), Pres., Engr., Sound Systems, Ltd., 169 Kipling Ave., S., Toronto 18, Ont., Canada.

- tems, Ltd., 169 Kipling Ave., S., Toronto 18, Ont., Canada.

 BAIN, MITCHELL B. (S'51-A'52-M'57), Engrg. Group Supvr., California Institute of Technology, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena 3, Calif.

 BAIN, ROBERT A. (S'54-A'55), Engr., Famsworth Electronic Co., Ft. Wayne, Ind.

 BAIN, ST., JOHN (M'58), Sales Tech. Service Engr., Formica Corp., 4614 Spring Grove Ave., Cincinnati, Ohio. BAIN, THOMAS D., JR. (S'53-A'55), Design Engr., Automatic Controls, No. Amer. Avlation, Columbus, Ohio. BAIN, WALTER F. (M'56), Research & Dev. Engr., Page Communications Engrg., Inc., 710 14 St., N.W., Washington S. D.C.

 BAINBRIDGE, BARTON O. (S'58-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BAINES, ERNEST L. (S'48-A'50-M'56), Mem. Tech. Staff, Space Technology Labs., Inc., 5500 El Segundo Bivd., Los Angeles 45, Calif.

 BAINS, ROBERT W. (M'54), Engr., United Gas Corp., Box 1407, Shrevpoort, La.

 BAIRO, CLYDE W. (A'48), Supvr., Electric Components, Control.
- BAIRD, CLYDE W. (A'48), Suprvr., Electric Components, GE Co., Controls Sect., FPLD, AGT Div., Evandale (Cin-cinnati 15), Ohio.
- cinnati 15), Ohio.

 BAIRD, OONALD R. (A'55), Genl. Mgr., Radio Development.

 & Research Corp., 56 California Ave., Paterson, N. J.

 BAIRD, GEORGE A. (S'47-A'48-M'55), Mgr., Engrg.,

 Burroughs Corp., 41100 Plymouth Rd., Plymouth, Mich.

 BAIRD, HARLEY S. (S'50-A'51-M'56), Sr. Field Engr.,

 Electronics Defense Lab., Sylvania Elec. Prods., Inc.,

 Box 205, Mountain View, Calif.

 BAIRD HOILIS S. (A'58), Physics Dept., Northeastern DAIRU, MAKLEY S. (S'50-A'51-M'56), Sr. Field Engr., Electronics Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.
 BAIRD, HOLLIS S. (A'58), Physics Dept., Northeastern Univ., 360 Hunkington Ave., Boston 15, Mass.
 BAIRO, J. TRAVIS. (A'43-M'55), Secy.-Treas., Graphic Enterprises of Milwaukee, Inc., 612 S. 2nd St., Milwaukee 4, Wis.
 BAIRD, JACK A. (A'49-M'55-SM'57), Dir., Military Systems Dev., Bell Tel. Labs., Whilpamy, N.J.
 8AIRD, JAMES E. (S'54-A'55), Systems Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I..N.Y.
 BAIRD, JOHN K. (M'58), Sr. Prod. Planner, IBM, Pough-keepsig. N.Y.
 BAIRD, JOHN K. (M'56), Electronics Engr., U. S. Dept. Army, RID-TB, White Sands Missile Range, N.M.
 BAIRD, JOHN W. (A'44), Radio Engr., North Carolina Hwy. Patrol Radio Sta. KI8 897, Elizabethkown, N.C.
 BAIRD, LAWRENCEI. (M'56), Box 278, RFD 2, Spring-field, Va.
 BAIRD, WILLIAM H. (M'55), Tech. & Administrative Asst., Quality Control & Inspection Div., Gifffilian Bros., Inc., 1815 Venice Bild d., Los Angeles, Calif.
 BAIRNSFATHER, ROBERT R. (S'51-A'53-M'5B), Sect. Head (Analog Devices Group), Instrumentation Lab., MIT, Cambridge, Mass.
 BAIROS, CYRIL A. (A'43-M'55), Chief, Inspection Office Sacramento Signal Depot, Sacramento 1, Calif.
 BAISHIKI, SADAO (M'59), Elec. Engr., Sylvania Elec. Prods., Inc., 70 Ellicot St., Batavia, N.Y.
 BAITY, ALONZO C., JR. (S'51-A'52-M'55), Test Set Oesigner, Nect.

- Salem, N.C.
 BAITZ, CALVIN K. (M'59), Staff Engr., Philto Corp., 22
 St. & Lehigh Ave., Philtadelphia 32, Pa.
 BAJARS, ERIC (A'57), Project Engr., SImpson Electric
 Co., 5200 W. Kinzle St., Chicago 44, Ill.
 BAJUS, JOHN C. (S'54-M'57), Lt., Electronics Anti-Submarine Warfare Dev. Officer, Surface Anti-Submarine Development Detachment, USN Operational Development
- velopment Detachment, USN Operational Development Forces, Key West, Fla.

 BAKAJ, EDWIN A. (A'5B), Instr., Burroughs Corp., Burroughs Dr., Radnor, Pa.

 BAKALAR, DAVID (4'52-M'57), Pres., Transitron Electronic Corp., 168-182 Albion St., Wakefleld, Mass.

 BAKEMAN, DELBERT C. (S'48-A'51-M'56), Mem. Tech Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.

 BAKEMAN OPVILLER (4'53-M'57), Fron. GF Co.
- Angeles 45, Calil.

 BAKEMAN, ORVILLE R. (A'53-M'57), Engr., GE Co.,
 X-Ray, 4855 Electric Ave., Milwaukee, Wis.

 BAKER, ADOLPH A., JR. (M'56), Apparatus Design Engr.,
 Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3,
- BAKER, ALAN B. (S'56-M'57), Elec. Engr., RCA, Camden
- BAKER, ANTHONY L. (A'48-M'55), Systems Engr., Air Defense Systems Integration Div., Hanscom Field, Bedford, Mass.
- BAKER, BENNY R. (M'5B), Test Engr., Convair, Ft. Worth,
- Tex.

 BAKER, BERKLEY J. (A'56), Advertising & Public Relations Mgr., Eitel-McCullough, Inc., 301 industrial Way, San Carlos, Calif.

 BAKER, BERYL A. (M'57), Sr. Engr., Philico Corp., 4700 Wissahickon Ave., Philadelphia, Pa.

 BAKER, BONNER Z. (A'56), Chief Engr., KGLN, Glenwood Springs Colo.

- BAKER, BONNER Z. (A'56), Chief Engr., KGLN, Glenwood Springs, Colo.

 BAKER, BRUCE W. (A'53-M'5B), Engr., RCA, 11819 W. Olympic Bivd., Los Angeles 64, Callf.

 BAKER, BUFORD M. (SM'59), Mig. Mgr., Industrial Instrument Div. Texas Instruments, Inc., 3609 Buffalo Speedway, Houston, Tex.

 BAKER, CARL I. (M'31-SM'43), Patent License Mgr., Western Electric Co., 195 Broadway, New York 7. N.V.

 BAKER, CHARLES A. (M'59), 1629 Ruth PI., Honolulu 16, Hawail.

 BAKER, CHARLES E. (A'56), Asst. Engr., Westinghouse

- 11. Hawail.

 12. Hawail.

 13. Hawail.

 14. Hawail.

 15. Hawail.

 16. Corp., Box 746, Baltimore 3, Md.

 16. BAKER, CHARLES E. (M'58), Electronics Engr., McDonnell Aircraft Corp., Box 516, St. 1 ouls 3, Mo.

 17. BAKER, CHARLES E. (M'58), Electronics Engr., McDonnell Aircraft Corp., Box 516, St. 1 ouls 3, Mo.

 18. BAKER, CHARLES E. (M'53-M'59), 11512 1/2 National Bibd., Los Angeles 64, Calif.

 18. BAKER, CHARLES R. (S'57-M'57), Systems Analyst, Bendix Aviation Corp., 14617 Keswick, Van Nuys, Calif.

 18. BAKER, OAN L. (M'54), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 18. BAKER, OON A. (S'52-A'54-M'56), Staff Mem., Los Alamos Scientific Lab., Univ. of California, Los Alamos, N.M.

- BAKER, DONALD A. (M¹53), Principal Engr., Bendix Radio Div., Towson 4, Md.
 BAKER, DONALD F. (S¹57-M¹59), Instrumentation Test Engr., Douglas Aircaft Corp., Sacramento, Calif.
 BAKER, DONALD W. (A¹54), Dev. Engr., GE Co., Syran

- DAKEN, DONALD W. (A'54), Dev. Engr., GE Co., Syracuse, N.Y.
 BAKER, DONN. (S'53-A'54), Mem. Tech. Staff, Bell Tel.
 Labs., Murray HIII, N.J.
 BAKER, EDMUND W. 6M'59), Chief Engr., Natl. Presto
 Industries, Eau Claire, Wis.
 BAKER, EMMET E., JR. (M'49), Mgr., Electronics Div.,
 Chamberlain Avilation, Inc., Municipal Airport, Akron 6,
 Ohio.
- Ohio.

 BAKER, ERNEST E. (M'58), Project Engr., Standard Coll Prods., Inc., 2100 N. Soto St., Los Angeles 48, Calif. BAKER, FLOYD A. (S'50-A'51-M'56), Mem. Tech. Staff, Hughes Alicraft Co., Culver City, Calif. BAKER, FRANKLIN E. (A'57), MySqt., USAF, Instr., Navigation Radar Systems, Hunter AFB, Savannah, Ga. BAKER, FRED C. (A'57), Engrg. Techniclan, Motorola, Inc., 2710 Clybourn Ave., Chicago, III.

 BAKER, FREDERICK J. (A'47), Production Mgr., Electronics Div., Sparton Corp., 2400 E. Ganson, Jackson, Mich.

 BAKER, GEORGE, IR. (A'50), S. Lecundroll.

- Canal Marker, A. (A. 17). Production Mgr., Electronics Div., Sparton Corp., 2400 E. Ganson, Jackson, Mich.

 BAKER, GEORGE, JR. (A'50), Sr. Instrumentation Engr., Minneapolis-Honeywell Regulator Co., Aero Div., 2600 Ridgeway Rd., Minneapolis 13, Minn.

 BAKER, GEORGE H. (A'45-M'55), Dir., Military Program Planning, Bell Tel. Labs., Whipparly, N. J.

 BAKER, GEORGE R. (S'50-A'52-M'57), Missionary Church of Jesus Christ of Latter Day Saints, Ave. Du Commandant Chesse, Papeete, Tahiti.

 BAKER, GEORGE T. (S'54-M'55), Research Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Oallas 9, Tex.

 BAKER, GEORGE W. (A'41-M'55), Pres., Kip Electronics Corp., 29 Holly Pl., Stamford, Conn.

 BAKER, H. CHARLES (S'55-M'56), Instr., Elec. Engr., Dept., Southern Methodist Univ., Dallas 5, Tex.

 BAKER, HAROLD E. (S'57-M'58), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 BAKER, HAROLD L. (S'51-A'5B), Engr., Dept. of Defense, Washington 25, D.C.

 BAKER, HARRY F. (S'40-A'42-M'55), Mgr., Missile Systems, RCA, Moorestown, N. J.

 BAKER, HENRY O., JR. (A'56), Depot Supvr., Bendix Aviation Corp., Box 92, Keliavik Airport, Keflavik, Iceland.

 BAKER, HOWARD D. (M'59), Electronics Instrument Supvr.

- iand.

 BAKER, HOWARD D. (M'59), Electronics Instrument Supvr., Cornell Univ. New York Agricultural Experiment Sta., Geneva, N.Y.

 BAKER, JACK C. (S'46-A'53-M'58), Research Engr., Boeling Airplane Co., Seattle 14, Wash.

- Boelng Airplane Co., Seattle 14, Wash.
 BAKER, JACK D. (5'53-M'56), Engr., Western Electric
 Co., Chatham Rd., Winston-Salem, N.C.
 8AKER, JACK N. (A'57), Research Analyst, Natl. Cash
 Register Co., 1401 E. El Segundo Blvd., Hawthorne,
 Calif.

- Calif.

 BAKER, JACK R. (A'4B-M'55), Supvr., Lab. Techniclans, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BAKER, JAMES J. (S'50-A'52-M'57), Research & Design Electronics Engr., Hughes Altcraft Co., Culver City, Calif.

 BAKER, JOHN H., JR. (S'46-A'50-M'55), Sr. Engr., Schlumberger Well Surveying Corp., Gulf Freeway, Houston, Tex.
- IEX.

 BAKER, JOHN T. (S¹5B-A¹59), Site Technician, Burroughs
 Corp., Radhor, Pa.

 BAKER, KEITH D. (A¹56-M¹57), Mgr. & Dir., Engrg., Soo
 Line Broadcasting Co., CFSL, P.O. *1330, Weyburn,
 Sask., Canada.
- Sask., Canada.

 BAKER, LAMAR T. (S'56-M'59), Instr., Tarleton State
 College, Tarleton Sta., Tex.

 BAKER, LEE E. (A'53-M'58), Instr., Elec. Engrg., The
 Rice Institute, Houston, Tex.

 BAKER, LEE S. (A'52), 40 Schley Ave., New Rochelle,
- BAKER, LEONARD (S'53-M'57), Elec. Engr., RCA, Camden, N.J.
- Camden, N.J. BAKER, LESTER, C. (A'55), Sr. Engr., ITT Labs., Nutley 10, N.J.
- BAKER, LEWIN T. (S'49-A'52-M'57), Supvr., GE Co.,
- BAKER, LEWIN T. (S'49-A'52-M'57), Supvr., GE Co., Syracuse, N.Y.

 BAKER, LORNE R. (S'55-M'57), Engr., Canadian Natl. Telegraphs, 151 Front St., W., Toronto, Ont., Canada. BAKER, BELVIN L. (4'53-M'58), Mem. Tech. Staff, Ramo-Wooldridge, 5500 W. El Segundo Blvd., Hawthorne, Calif. BAKER, MILTON F. (M'57), Electronics Engr., FAA, Box 1689, Ft. Worth, Tex.

 BAKER, MITCHELL (M'59), Components Engr., Stromberg-Carlson Co., 1465 N. Goodman St., Rochester, N.Y.

 BAKER, NORMAN C. (S'49-A'51-M'57), Fleid Engr., Stavid Engrg., Inc., Hwy. 22, Plainfield. N.J.

 BAKER, PAUL A. (A'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BAKER, RALPH G. (M'56), Sr. Electronics Engr., Guided Missiles Div., Firestone Tire & Rubber Co., 2525 Firestone Blv., Los Angeles S4, Calif.

 BAKER, RAYMOND G. (S'57-M'59), 1376 S. 279, Kent,

- BAKER, RAYMOND G. (S'57-M'59), 1376 S. 279, Kent,
- Wash.

 BAKER, RAYMOND L. (SM'57), Project Engr., Systems
 Engrg. Sect., Natl. Aviation Facilities Experimental Center,
 Atlantic City, N.J.

- Engrg. Sect., Natl. Avlation Facilities Experimental Center, Atlantic City, N.J.

 BAKER, RICHARD A. (S'54-A'57), Elec. Engr., Dept. of Defense, Washington 25, D.C.

 BAKER, RICHARD A. (S'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whilppany, N.J.

 BAKER, RICHARD C. (M'5B), Asst. Project Engr., Radiation, Inc., Melbourne, Fla.

 BAKER, RICHARD H. (M'50), Consultant, Electronic Systems, 25700 Deerfield Dr., Los Altos Hills, Calif.

 BAKER, RICHARD H. (S'53-A'54-M'58), Research Engr., MIT, Lincoln Lab., Lexington 73, Mass.

 BAKER, RICHARD H. (A'54-SM'56), Mgr., Subcontracted Projects, RCA, Mourestonn, N.J.

 BAKER, ROBERT D. (A'57), Group Engr., Dev. Labs., Philoc Corp., 3875 Fabian Way, Palo Alto, Calif.

 BAKER, ROBERT E. (S'55-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BAKER, ROBERT G. (S'52-A'54), Project Engr., American Bosch Arma Corp., 3644 Main St., Springfield, Mass.

- BAKER, ROBERT H. (M'47), Mfg. Supvr., Industrial Elec-tronics Dept., Westinghouse Elec. Corp., 2519 Wilkens Ave., Baltimore, Md.

- Ave., Baltimore, Md.
 BAKER, ROBERT L. (A'54), Owner, Baker's Radio & Television Service, League City, Tex.
 BAKER, ROBERT P. (S'51-A'54-M'57), Elec. Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
 BAKER, ROBERT R. (A'53), Dist. Splicing Supt., Southern New England Telephone Co., 227 Church St., New Haven 6, Conn.

- BAKER, ROY 0. (S'57-M'58), Aerophysics Engr., Convair, Ft. Worth, Tex.
 BAKER, THAD J. (M'56), Engr., Temco Aircraft Corp., Box 6191, Dallas 22, Tex.
 BAKER, THOMAS E. JR. (M'56), Engr., Sylvania Elec.
 Prods., Inc., Waltham, Mass.

- Prods., Inc., Waltham, Mass.
 BAKER, VERNON H. (M'55), Pres. & Dir., Engrg., WESR,
 Box 1330, Tosley, Va.: WVNN, Florence, S.C.
 BAKER, VIRGIL L., JR. (A'51-M'57), Supvr., Communications Engrg., HMED, GE Co., Syracuse, N.Y.
 BAKER, W.R. G. (A'19-F'28)(L), Pres., Syracuse Univ.
 Research Corp., Box 26, University Sta., Syracuse, N.Y.
 BAKER, WALLACE L. (S'55-M'57), Electronics Research
 Engr., Motorola Research, Inc., 8330 Indiana St., Riverside, Calif.

- side, Calif.
 BAKER, WALTER L. (A'49-SM'55), Asst. Prof., Pennsylvania State Univ., State College, Pa.
 BAKER, WILLIAM F. (M'56), Pres., Instrument Dynamics, Inc., 11 Albion St., Wakefleld, Mass.
 BAKER, WILLIAM G. (S'56-M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BAKER, WILLIAM H. (A'43-M'52), Design Engr., Westinghouse Elec. Corp., 700 Braddock Ave., East Piltsburgh, Pa.
- BAKER, WILLIAM W. (S'55-M'55), Airborne System Eval-uation Engr., RCA, Camden, N.J. BAKER, WILLIAM W. (SM'57), Chlef, Research & Dev., Programs Branch, Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Patterson AFB, Ohio.

 BAKKEN, EARL E. (S'48-A'50-M'58), Elec. Engr.,

 Medizonic, 818 19 Ave., N.E., Minneapolis 18, Minn.

 BAKKEN, OLAV (S'56-M'57), Research Engr., Nera Bergen
 A/S, Torgalmenningen 8, Bergen, Norway.

 BALABAN, PHILIP (A'52-M'55), Dir., Research, MidCentury Instrumatic Corp., 611 Broadway, New York 12,

 N.Y.

- N.Y.

 BALABANIAN, NORMAN (S'48-A'52-SM'57), Assoc.
 Prol., Syracuse Univ., Syracuse, N.Y.

 BALACKI, STANLEY J. (A'55), Area Supvr., Army Signal Supply Agency, Quality Asswrance Operations Div., 225 S. 18 St., Philadelphia, Pa.

 BALAKIAN, GEORGE (S'49-A'50), Dev. Engr., Burroughs Corp., Research Center, Paoli, Pa.

 BALAKIAN, GEORGE (S'49-A'50), Dev. Engr., Burroughs Corp., Research Center, Paoli, Pa.

 BALAKISHNAN, A.V. (S'43-A'55-M'56), Asst. Prof., Univ. of City of Los Angeles, Los Angeles 24, Calif.

 BALAMUTH, LEWIS (A'54-M'55), V.P.-In-Chg. of Research & Dev., Cavitron Equipment Corp., 42-26 28 St., Long Island City 1, N.Y.

 BALAN, JOHN C. (S'56-M'58), Engr., RCA, 75 Varick St.

- Long Island City 1, N.Y.

 BALAN, JOHN C. (S'56-M'58), Engr., RCA, 75 Varick St., New York 13, N.Y.

 BALAS, PETER, JR. (S'51-A'54), Test Engr., Western Electric Co., 30 Church St., New York 7, N.Y.

 BALASH, FRANCIS J. (S'52-A'53-M'59), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 BALASUNDARAM, N. (SM'46), Chlef Engr. & Proprietor, Eastern Electronics, Township, Faridabad (C.Ry.), India. BALCHAITIS, ALBERT V. (A'56-M'57), Measurements Engr., RCA, Camden, N.J.

 BALDAUF, DAVID R. (A'52-M'57), Advisory Engr., 1BM, Owego, N.Y.

 BALDEN, JAMES M. (A'52-M'58), Field Fnor, Western

- BALDAUF, DAVID R. (A'52-M'57), Advisory Engr., IBM, Owego, N.Y.

 BALDEN, JAMES M. (A'52-M'58), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 BALDEN, SAMUEL B. (M'57), 8032 Agnew Ave., Los Angeles 45, Calif.

 BALDINI, BRUNO P. (S'49-A'51), Electronics Scientist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 BALDINI, BRUNO P. (S'49-A'51), Esperimental Officer, Engr., Convair-Astronautics, Cape Canaveral, Fla.

 BALDOK, RAMIN R. (A'58), Experimental Officer, Electronics, Weapons Research Est., Salisbury, South Australia.

 BALDOCK, RONALD (M'58), Supvr., Electronics Support, Canadian Aviation Electronics, Lid., Box 2030, Sta.

 "O", Montreal 9, P.Q., Canada.

 BALDRIDGE, BERNARD H. (A'48-M'48-SM'54), Consulting Engr., GE Co., Utica, N.Y.

 BALDWIN, ARTHUR L. JR. (S'46-A'48-M'55), Elec. Engr., Eastern Electric Construction Co., 445 Grant St., Bridgeport 10, Conn.

 BALDWIN, ARTHUR LY. (A'26-M'32-SM'43), Sr. Engr.,

- BALDWIN, ARTHUR V. (A'26-M'32-SM'43), Sr. Engr., Sylvania Elec. Prods., inc., Emporium, Pa.
 BALDWIN, CHARLES O. (A'31-M'53), Mgr., Parts & Service Div., Philoc Corp. of Canada, Ltd., Don Mills Rd., Don Mills, Ont., Canada.
- BALDWIN, CLARENCE H. (S'49-A'50-M'56-SM'56) Supvg. Engr., Semiconductor Dept., Westinghouse Ele Corp., Youngwood, Pa.
- Corp., Youngwood, Pa.
 BALDWIN, CLAUDE M., JR. (S'51-A'52-M'57), instrumentation Supvr., North Carolina State College Nuclear Reactor, Raleigh, N.C.
 BALDWIN, EDGAR V. (A'41-M'55), Special Rep., Mackay Radio & Telegraph Co., 350 Mission St., San Francisco

- BALDWIN, EDWIN G. (S'46-A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 BALDWIN, EWART M. (M'54), V.P. & Genl. Mgr., Rheem Semiconductor Corp., 327 Moffett Blvd., Mountain View, Calif.
- Call.

 BALDWIN, GEORGE F. (S'49-A'51-SM'57), Supvr., Communication Engra., LMED, GE Co., Utica, N.Y.

 BALDWIN, GEORGE L. (S'45-A'51-M'56-SM'57), Mem.
 Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BALDWIN, HOWARD A. (M'56), OIr., Applied Research
 Lab., Univ. of Arizona, Tucson 25, Ariz.
- BALOWIN, JACK M. (M'56), Staff Engr., ISM, Pough-
- Reepste, N.Y.

 BALDWIN, JOHN H. (S'47-A'49-M'50-SM'56), Genl.

 Mgr., Aeronautical Div., Honeywell Controls, Ltd., Vanderhoof Ave., Leaside, Tronto, Oht., Canada,

 BALDWIN, JOHN M. (A'26-M'37-SM'43), Operations

 Mgr., Radio & TV, WTCN, WTCN-TV, Calhoun Beach

 Hotel, Minneapolis, Minn.

- BALDWIN, JOHN O. (M'57), Prod. Engr., Canadian GE
 Co., Royce Works, Toronto, Ont., Canada.
 BALDWIN, L. DAVID (A'56), Sr. Engr., Stromberg-Carlson
 Co., 140D N. Goodman St., Rochester, N.Y.
 BALDWIN, LAWRENCE W. (M'46-SM'49), Mem. Tech.
 Staff, Hughes Alroraft Co., Culver City, Calif.
 BALDWIN, LEROY G. (S'54-M'56), Engr., Collins Radio
 Co., Cedar Rapids, Jowa.
 BALDWIN MILLARD W. JR. (A'40-SM/46-E1/49), M.B.
 BALDWIN MILLARD W. JR. (A'40-SM/46-E1/49), M.B.
 BALDWIN MILLARD W. JR. (A'40-SM/46-E1/49), M.B.
 BALDWIN MILLARD W. JR. (A'40-SM/46-E1/49), M.B.

- 82 -

- Staff, Hughes Aircraft Co., Culver City, Callif.

 BALDWIN, LEROY G. (S'54-M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 BALDWIN, MILLARD W., JR. (A'40-SM'45-F'48), Mem. Tech. Staff, Beil Tel Labs., Murray Hill, N. J.

 BALDWIN, PHILIP K. (SM'50), Chief Engr., WHDH, Inc., 6 St., James Ave., Boston 16, Mass.

 BALDWIN, ROBERT S. (A'31-VA'39-M'55), Engr., KFRC, 415 Bush St., San Francisco, Calif.

 BALDWIN, RUSSELL C. (S'57-M'58), Electronics Design Engr., Hughes Aircraft Co., Culver City, Calif.

 BALDWIN, THOMAS W. (A'43-M'55), Physicist, U. S. Army Signal Engr., Labs., Evans Sipnal Lab., Belmar, N. J.

 BALDWIN, WILLIAM A. (A'57), Chief Engr., Radio Div., KCRA, Inc., 310 10 St., Sacramento, Calif.

 BALDWIN, WILLIAM A. (A'57), Chief Engr., Radio Div., KCRA, Inc., 310 10 St., Sacramento, Calif.

 BALDY, GEORGE A. (M'56), Communications Engr., Great Northern Railway Co., St. Paul, Minn.

 BALEKDJIAN, KEVORK (S'54-M'58), Design Engr., Raytheon Mfg. Co., Wayland, Mass.

 BALES, C. WILLIAM (S'49-A'52-M'57), Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

 BALGENORTH, GEORGE V. (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BALHORN, DEAN W. (A'58), Sales Engr., Bierhaus Balhorn Sales, Inc., 9967 W. Madison, Chicago 44, Ill.

 BALIKOV, MELVIN H. (S'48-A'53-M'59) Design & Dev. Engr., Sclaky Bros., Inc., 4915 W. 67 St., Chicago, Ill.

 BALIKOV, MELVIN H. (S'48-A'53-M'59) Design & Dev. Engr., Sclaky Bros., Inc., 4915 W. 67 St., Chicago, Ill.

 BALIKOV, MELVIN H. (S'48-A'53-M'59) Design & Dev. Engr., Sclaky Bros., Inc., 4915 W. 67 St., Chicago, Ill.

 BALIKOV, MELVIN H. (S'48-A'53-M'59) Design & Dev. Engr., Sclaky Bros., Inc., 4915 W. 67 St., Chicago, Ill.

 BALINT, ANTHONY T. (SM'54), P. & Genl. Mgr., Controls & Communications Co., 1695 W. 1st Ave., Eugene, Ore.

 BALK, SHELDON (M'58), Engr., Melpar, Inc., 1002 S. Plumer, Tucson, Ariz.

 BALKARLIH, HAYATI (S'46-A'50-M'53), Asst. Prof., Elec. Engr., Texas College of Arts & Industries, Kingsville,
- BALKANLI, HAYATI (S'46-A'50-M'53), Asst. Prof., Elec. Ergrg., Texas College of Arts & Industries, Kingsville, Tex.
- Tex.

 BALL, BILLIE J. (S'54-M'56), Instr., Elec. Engrg., Mississippi State College, State College, Miss.

 BALL, DOUGLAS F. (M'51-SM'57), Regional Mgr., Motorola Communications & Electronics, Inc., 3230 Louisiana,
- mouston 6, 1ex.

 BALL, EDWARD T. (A'56-M'59), Systems Engr., Electronic Research & Development Co., Ltd., 210 9 Ave., E., Calgary, Alta., Canada.

 BALL, GEORGE F. (S'52-A'55-M'59), Lt. Cmdr., USN, Electronics Supt., Boston Naval Shipyard, Boston 29, Mass.
- BALL, IRL D. (A'19-SM'44), Retired, 419 Marshall St.,
- Allegan, Mich.
 BALL, IRVING R. (A'57), Treas., Precise Metal Prods.
 Corp., 262 44 St., Brooklyn, N.Y.
 BALL, JAMES H. (S'56-M'58), Aerophysics Engrg., Convair, Ft. Worth, Tex.

- vair, Ft. Worth, Tex.

 BALL, JAY H. (S'55-M'57), Acoustical Engr., Bolt Beranek & Newman, Inc., 50 Moulton St., Cambridge, Mass.

 BALL, JOHN A. (S'56-M'58), 2nd Lt., USAF, Communications Officer, 633 Ac&W Sgdn., APD 231, New York, N.Y.

 BALL, JOHN D. (S'51-A'53-M'54), Research Geophysicist, Humble Oil & Refining Co., Box 2180, Houston 1, Tex.

 BALL, JOHN K. (S'54-M'55), Engr., Research & Dev., Collins, Radio Co., Cedar Rapids, Iowa.

 BALL, KARL E. (SM'55), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5730 Arbor Vitac St., Los Angeles 45, Calif.

 BALL, LAWRENCE F. (M'56), Maj., Regular Army Officer, Royal Corps of Signals, War Office, London, England, BALL, LIONEL G. (4'52), 13447 Iroquois Rd., Apple Valley, Calif.

- BALL, LIONEL G. (A'52), 13447 iroquois Rd., Apple Valley, Calif.
 BALL, LLOYD D. (M'59), Sect. Dir., Gilfillan Bros., Inc., 1815 Venice Bivd., Los Angeles 6, Calif.
 BALL, LLOYD D. (M'59), Sect. Dir., Gilfillan Bros., Inc., 1815 Venice Bivd., Los Angeles 6, Calif.
 BALL, LOUIS X. (S'57-M'58), Eiec. Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.
 BALL, MARSHALL T. (M'57), Pres. Ball Associates, Inc., 38 S. Main St., Canandaigua, N.Y.
 BALL, MICHAEL (A'55), Engr., IBM, M.P. D.. Owego, N.Y.
 BALL, MCHAEL (A'55), Engr., IBM, M.P. D.. Owego, N.Y.
 BALL, MEWTON E. (S'54-M'57), Project Engr., Electron Instruments, Inc., 3540 Aero Ct., San Diego, Calif.
 BALL, NORMAN T. (SM'53), Consultant, Patent Atty., 3850 Tunlaw Rd., N.W. Washington 7, D.C.
 BALL, ROBERT H. (S'55-A'55), Lt.Jg., USNR, Electronics Div., Bureau of Ships, Washington, D.C.
 BALL, RUSSELL M. (A'54-M'57), Reactor Physicist, The Babocok & Wilcox Co., 1201 Kemper St., Lynchburg, VA.
 BALLANTINE, JACK H. (M'56), Electronics Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo, N., Canalda, Chilawa 2. Ont., Canada,

- Engr., MeiDar, Inc., 2000 Arlington Divo., Pairs Unirch, Va.

 BALLARD, B., GUY (SM'47-F'55), V.P. (Scientific), Natl. Research Council, Montreal Rd., Ottawa 2, Ont., Canada. BALLARD, BENJAMIN J. (S'44-A'46-M'55), Asst. Engr. & Transmitter Supvr., KOAC-AM & KOAC-TV. Oregon State College, Corvallis, O're.

 BALLARD, BENNY J. (S'53-A'55-M'59), Communications Engr., Sun Pipe Line Co., Box 5292, Beaumont, Tex. BALLARD, DAVID C. (A'51-M'53-SM'53), Engr., RCA. 3301 S. Adams Ave., Marion, Ind.

 BALLARD, EDWARD J. (M'58), Bittersweet Lane, R.R. 1, Fayetteville, N.Y.

 BALLARD, FRANK (A'53), Sr. Project Engr., Sperry Utah Engrg. Labs., 322 N. 2100, W., Salt Lake City, Utah. BALLARD, J. LINCOLIN (A'53), Electronics Engr., Hgrs., U. S. Army Signal Communications Agency, Japan, APO 343, San Francisco, Calif.

 BALLARD, JAMES W. (SM'56), Staff Scientist, Systems
- BALLARD, JAMES W. (SM'56), Staff Scientist, Systems Research Labs., 300 Woods Dr., Dayton 32, Ohio. BALLARD, KEITH C. (Si56-M'57), Elec. Engr., Hughes Tool Co., Culver City, Calif.
- Co., Culver City, Calif.

 BALLARD, LUTHER L. (A'53-M'58), Project Engr.,
 Sperry Piedmont Co., Charlottesville, Va.

 BALLARD, RALPH L. (A'58), Chief Electrician, White Sulohur Springs Co., White Sulphur Springs, W.Va.

 BALLARD, RANDALL C. (A'41-SM'46), Research Engr.,
 RCA Labs., Princeton, N.J.

- BALLARD, RAY B. (S'56-M'58), 3017 Lerwick Rd., Sacramento 21, Calif.
- BALLARD, NAY B. 15 30-m 30,, Seramento 21, Calif.

 BALLARD, ROY C. (M'57), Contractor Technician, Giffillan Bros., Inc., 1815 Venice Bivd., Los Angeles, Calif.

 BALLATA, ROBERT J. (S'56-M'59), Assoc. Engr., Electro-Dynamics Staff, Boeing Airplane Co., Renton, Wash, BALLATO, ARTHUR D. (S'55-M'59), Electronics Engr., U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.
- BALLENTINE, EDWIN C. (A'25-M'29-SM'43), Project Engr., USAF, GEEIA, RCA Internati. Service Co., Camden 8, N.J.
- Engr., USAF, GEEIA, RCA Internati. Service Co., Canden B, N.J.

 BALLENTINE, ROBERT (A'56), Assoc. Prof., McCollum-Pratt institute, The John Hopkins Univ., Baltimore 18, Md.
 BALLER, HOWARD S. (SM'54), Dir., Engra, Gent. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn.
 BALLETTA, ANTHONY G. (A'50–M'58), Electronics Engr., Genl. Precision Lab., Pleasantville, N.Y.
 BALLING, HOWARD L. (S'48–A'59–M'55), Sr., Engr., Philo Corp., 3875 Fabian Way, Palo Alto, Calif.
 BALLING, ALFRED W. (A'26–VA'39), Transmitter Supv., WROC-TV, 201 Humbolid St., Rochester 10, N.Y.
 BALLING, ROGER A. (S'54–M'57), Mem. Tech. Staff, Aeronutronic Systems, Inc., Ford Rd., Newport Beach, Calif.
 BALLINGER, LOWELL H. (M'55), Instrument Group Head, Esso Research & Engr. Co., Box 121, Linden, N.J.
 BALLINGER, RICHARD F. (A'55–M'55), Systems Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.
 BALLOU, FRANK M. (M'57), Pres., Ballou, Inc., 51 N. Broad St., Ridgewood, N.J.
 BALLUFF, RICHARD L. (S'58–M'59), 816 S. Walnut Ave., Brae, Calif.
 BALLUFF, RICHARD F. (A'44–A'47–SM'52), Design Engr., Electronic Equipment & Tube Dept., Canadian GE Co., Ltd., 830 Landsowne Ave., Toronto 4, Ont. Canada.
 BALMUTH, NORMAN (S'50–A'51–M'56), Dev. Engr., Raythen Ming. Co., Waltham 54

- BALMUTH, NORMAN (S'50-A'51-M'56), Dev. Engr., Ray-theon Mfg. Co., Waltham 54, Mass. BALOGA, JOSEPH J. (A'46-M'56), Engr., Western Electric Co., % Bell Tel. Labs., Marion & Vine Sts., Laureldale, Pa.
- Pa.

 BALOGH, JOHN J., JR. (S'53-A'54-M'59), Staff Engr., Reflectone Corp., Stamford, Conn.

 BALOGH, JULIUS (S'48-A'49-M'55), Patent Agent, Marks & Clerk, 220 Broadway, New York, N.Y.

 BALSAMELLO, JAMES (A'46), Sr. Project Engr., Wells-Gardner & Co., 2701 N. Kildare Ave., Chicago 39, III.

 BALSAMELLO, JOSEPH (M'56), Electronics Engr., Motorola, Inc., 4501 W. Augusta Blyd., Chicago 51, III.

 BALSLEY, BEN B. (S'56-M'58), Casilla 98, Trujillo, Peru, South America.
- BALSLEY, LELAND L. (M'59), Engrg. Writer, Convair,
- Pomona, Calif.

 BALTER, IRVING (A'57), Chief, VHF-UHF Communications
 Sect., Rome Air Development Center, Rome N.Y.

 BALTER, LESLIE (S'41-A'43-M'45), Dir., Jersey City
 Tech. Institute, BBO Bergen Ave., Jersey City 6, N.J.

 BALTER, STANLEY A. (A'47-M'58), Unit Head, Electronics
 Lab., Kearfott Co., Inc., 1500 Main Ave., Cliffon, N.J.

 BALTEZORE, ROBERT C. (S'49-A'51-M'58), Project Engr.,
 Hallicrafters Co., 4401 W. 5, Chicago, Ill.

 BALTHIS, DAVID L. (M'45), Sect. Mgr., Missile Ground
 Control Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 3, Md.

 BALTON, ISODORE A. (M'55) Chief Tech Congrides Est.)
- ternatl. Airport, Baltimore J., Mol. BALTON, ISODORE A. (M'55), Chief, Tech. Operations Sect., Exploratory Research Div. S., USASRDL, Ft. Mommouth, N.J. BALTZ, LOYLE E. (S'48-A'50-M'55-SM'59), Staff Field Engr., Aeronutronics Systems, Inc., 203 Alameda Padre Serra, Santa Barbara, Calif
- Serra, Sarka Barbara, Calif.

 BALTZER, OTTO J. (A'46-SM'52), Pres., Textran Corp., Box 9207, Austin 17, Tex.

 BALUGO, JAIME J. (A'58), Chief Engr., Continental Electronics Corp., 2724 Leoms Blvd., Los Angeles 58, Calif.

 BALUSEK, ALBERT J. (S'53-M'58), Electronics Engr., USAF, Kelly AFB, Tex.

 BALUTA, ROBERT E. (A'46-M'55), Staff Engr., Page Communications Engrs., 710 14 St., N.W., Washington 5, D.C.

 BALWANZ, WILLIAM W. (A'42-SM'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 BAMBARA, JOSEPH E. (A'47-M'50-SM'54), V.P., Electronic Systems, CBS Labs., 485 Maison Ave., New York

- BAMBERGER, JOSEPH E. (A'58), Chief, Electronics Branch, U. S. Army Intelligence Center, Ft. Holabird, Baltimore 19, Md.
- MO.

 School, Milford, Neb.

 BAMFORD, ALLAN J. (M'59), Instr., Nebraska State Trade
 School, Milford, Neb.

 BAMFORD, ALLAN J. (M'59), Engr., Westinghouse Elec.
 Corp., Elmira, N.Y.

 BAMFORD, HARRY S. (A'40-SM'51), Genl. Mgr., CurtissWright Corp., Box 110, Princeton, N.J.
- BANCROFT, CHARLES (A'54), Ferris Hill Rd., New Canaan,

- Conn.

 BANCROFT, HARTLEY S. (M'58), Pres., H.S. Bancroft & Co., 209 Cooper St., Westmont, Collingswood 7, N.J.

 BAND, HANS E. (SM'58), Staff Physicist, Pickard & Burns, Inc., 240 Highland Ave., Needham 94, Mass.

 BANDES, HERBERT (SM'55), Sr. Staff Assoc., Arthur D. Little, Inc., Acom Park, Cambridge, Mass.

 BANDOIAN, PETER (S'50-A'51), Administrative Engr., Berdix Aviation Corp., Controls Sect., 21820 Wyoming, Detroit 17, Mich.

 BANDOIEL, KENNETH C. (S'49-A'49-M'55), Physicist, Univ. of California Lawrence Radiation Lab., Livermore, Calif.
- Calif.

 BANERJEE, AMALENDU (M'56), Mng. Dir., Precision Inddistries Pte., Ltd., 20/5 Aswini Outt Rd., Calcutta 29,
 India, Tech. Dir., Southend Engrg. Co., Pte., Ltd., 22',
 Strand Rd., Calcutta 1, India.

 BANES, OONALD E. (S'55-A'57), Barnes Plumbing & Heating & Genl. Contracting, Rte. 5, Monticello, Ind.

 BANETH, MICHAEL (A'54), Research Engr., Ministry of
 Defence, Scientific Dept., Box 7063, Hakirya, Tel-Aviv,
 Israel.

- Israel.

 BANG, BERNHARD A. (M'57), Friez Instrument Div., Bendix Aviation Corp., Towson, Md.

 BANG, MOGENS W. (SM'51), Dir., Research & Dev., Liberty Mfg. Corp., 2747 Belmont Ave., Youngstown 4, Ohio.

 BANG, ROBERT L. (S'56-M'57), Planning Engr., Western Electric Co., Marion & Vine Sts., Laureldale, Pa.

 BANGE, DONALD A. (S'53-A'54-M'59), Elec. Engr., Natl. Cash Register Co., Main & K Sts., Dayton, Ohio.

- BANGE , EUGENE E. (S'51-A'51-M'57), Electronics Engr., Convair-Astronautics, San Diego, Calif.
 BANGERT, JOHN T. (S'42-A'44-SM'52), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.
 BANGLEY, JAMES H., JR. (A'55), TV Transmitter Engr.,
 WTAR-TV, Norlolk, VA.
 RANGS, CEDREE A. (S'52, AIES, MES, AIES)

- WTAR-TV, Norfolk, VA.
 BANGS, GEORGE A., JR. (S'51-A'52-M'57), Engr., Bendix
 Aviation, 11600 Sherman Way, North Hollywood. Calif.
 BANGS, PHILIP C. (A'18-M'92), Owner & Chief Engr.,
 Acoustic Equipment Co., 1279 Spring St., N.W., Atlanta
 9, Ga.
- BANGS, RICHARD G. (S'57-M'58), Acoustical Engrg. Asst., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

- N.Y.

 BANHAGEL, EDWIN W. (A'55), Supvr., Computation Lab., Cordinental Aviation & Engrg. Corp., 12700 Kercheval, Detroit 15, Mich.

 BANHAM, JOHN (M'57), Engr. "A" Canadair, Ltd., P.O. Box 6087, Montreal, P.Q., Canada.

 BANK, WALTER J. (A'51-M'56), Tech., Coordinator, Govt. Relations Dept., Sylvania Elec. Prods., Inc., 734 15 St., N.W., Washington 5, D.C.

 BANKER, JAMES A. (M'59), Chief Engr., Granite State Machine Co., Inc., 124 Joliette St., Manchester, N.H.

 BANKS, CHARLES R. (A'31-V4/39-SM'52), Pres., Applied Electro Mechanics, Inc., 304 E. Monroe Ave., Alexandria, Va.
- BANKS, DONALD B. (A'57), Radio Communications Technician, State of California, Communications Div., 1000 Cypress St., Redding, Calif.
- State of California, Communications Div., 1000 Cypress St., Redding, Calif.

 BANKS, DONALO S. (5'47-A'49-M'55), Mor., Radar Systems Dept., Raytheon Mfg. Co., Bedford, Mass.

 BANKS, F. A. O. (A'44-M'47), Mgr., Tech. Prods. Div., Dominion Electrohome Industries, Ltd., 39 Edward St., Kitchener, Ort., Canada.

 BANKS, JOSEPH (A'44-M'58), 7551 Brookhaven Rd., Philadelphia 31, Pa.

 BANKS, KEITH M. (S'55-M'58), Schlumberger of Canada, Oxbow, Sask., Canada.

 BANKS, KEITH M. (S'55-M'58), Schlumberger of Canada, Oxbow, Sask., Canada.

 BANKS, RESTER (M'54), Research Physicist, Semiconductors, Hughes Research & Development Labs., Culver City, Calif.

 BANKS, RAYMOND E. (A'57), Mng. Editor, Los Angeles IRE Bulletin, Institute of Radio Engineers, 1435 S. La Cinenega Bivd., Los Angeles 35, Calif.

 BANKS, ROBERT B. (S'48-A'50-M'55), Research Specialist, Boeing Airolanc Co., Seattle 24, Wash.

 BANKS, THDMAS G., JR. (A'30-SU'55), Professional Engr., 4412 S. 1st St., Afrington 4, VA.

 BANKSON, HAROLD D. (A'46-M'55), Professional Engr., 4412 S. 1st St., Afrington 4, VA.

 BANKER, LEONARD (S'56-M'59), Asst. Principal, Lubautcher High School, 19 Grant Sd., Brooklyn 16, N.Y.

 BANNER, WILLIAM G. (S'56-M'58), Demonstrator, Univ. of Teneda

- avitcher High School, 19 Grant Sq., Brooklyn 16, N.Y.
 BANNER, WILLIAM G. (S'56-M'58), Demonstrator, Univ. of
 Toronto, Toronto, Ont., Canada.
 BANNICK, ROBERT E. (S'57-M'58), Elec. Engr., Lenkurt
 Electric Co., 1105 County Rd., San Carlos, Calif.
 BANNING, WILLIAM C. (M'59), Electronics Engr., Natl.
 Security Agency, Washington 25, D.C.
 BANNISTER, LAWRENCE H. (M'58), Leader, Tech. Staff,
 RCA Missile Electronics & Controls Dept., Burlington, Mass.
 SANNON, DOUGLAS W. (S'56-M'59), Engr., Norden Lab.,
 United Aircraft Corp., 58 Commerce Rd., Stamford. Conn.
 BANSHAK, WALTER G. (S'50-A'51), Engr., Sylvania Electronic Systems, 1100 Wehle Dr., Buffalo 21, N.Y.
- tronic Systems, 1100 Wehrle Dr., Buffalo 21, N.Y.

 BANTA, FRANK D. (A'55), Chief, Navigation Branch, Weapons
 Guidance Lab., USAF, Wright Laft Development Center,
 Wright-Patterson AFB, Ohio

 BANTA, H. E. (A'46-M'47-SM'54), Physicist, Union Carbide, Oak Ridge Natl. Lab., Oak Ridge, Tenn.

 BANTA, RICHARD P. (S'57-M'59), Elec. Engrg. Asst.,
 Los Angeles County Flood Control District, 2250 Alcozor
 St., Los Angeles 33, Calif.

 BANTIN, WALTER F. (A'49-M'55), Lab. Supvr., Canadian
 Broadcasting Corp., 1425 Argyle Ave., Montreal, P.Q.,
 Canada.

 RANTIF, DAVID W. (A'57). Unit Mgr., RCA. Moorestown.

- BANTLE, DAVID W. (A'57), Unit Mgr., RCA, Moorestown,
- N.J.
 BANTON, WILLIAM E. (A'55-SM'59), Dept. Chief, Filters, Capacitors & N & O Carrier, Western Electric Co., 1600 O Sgood St., North Andover, Mass.
 BANZIGER, WALTER T. (M'57), Electronics Field Engr., Federal Electric Corp., Rte. 17, Paramus, N.J.
 BAR, MEYER (M'57), Engr., Northrop Aircraft, Inc., Hawthorne, Calif.

- BAK, MEYEK (M'57), Engr., Northing Aircrait, Inc., Inarthorne, Calif.

 BARA, STANLEY (M'59), Sr. Tech. Aide, Bell Tel. Labs., Whippany, N. J.

 BARABUSH, ARTHUR (S'50-A'51-M'56), Sr. Electronics Engr., Raytheon Mg. Co., Maynard, Mass.

 BARABUTES, THEODDRE (S'51-A'54-M'58), Sr. Design Engr. (Telemetering Equipment) Westinghouse Elec. Corp., 95 Orange St., Neward 1, N.J.

 BARALE, JOHN J. (A'43-SM'57), Elec. Engr., Univ. of California Radiation Lab., Berkeley, Calif.

 BARAN, ALEXANDER S. (M'56), Design Engr., GE Co., Utica, N.Y.

- Utica, N.Y.

 BARAN, ANTHONY S. (5'57-M'58), Experimental Test Engr., Pratt & Whitney Aircraft, United, Fla.

 BARAN, MONROE (A'46-M'51-SM'53), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 BARAN, PAUL (5'49-A'50), Mem. Tech. Staff, Hughes Aircraft Co., Fulleton, Calif.

 BARANCYK, VICTOR (A'56), Technician, ITT Labs., 3702 E. Pontiac St., Ft. Wayne 1, Ind.

 BARANOFF, ALBERT J. (SM'54), Chief Engr., Labs., BJ Electronics Div., Borg-Warner Corp., 3300 Newport Blvd., Sarka Ana, Calif.

 BARANOYSKY, CYRIL (M'55), V.P., Engrg., Avtek Systems

- BIVI., Santa Ana, Calif.

 BARANOVSKY, CYRIL (M'55), V.P., Engrg., Avtek Systems Engrg., Ltd., 1930 Sargert Ave., Winninege, Man., Canada. BARASCH, HANS P. (M'55) Electronics Engr., Allen B. DuMont Labs., East Paterson, N.J.

 BARASCH, MYLES V. (A'44-M'46 SM'51), Rep., Autonetics Div., No. Amer. Aviation, Downey, Calif. BARASH, LEE F. (A'50-M'55), 106 E. 85 St., New York 28, N. Y.

 BARASH, MEYER (S'54-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BARASH, SAMUEL A. (S'49-A'52-M'58), Sr. Project Engr., Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N.J.

- BARATH, FRANK T. (S'56-M'58), Electronics Engr., Toll Area, Bell Tel Co., 1060 University St., Montreal, P.Q., Canada.

- Area, Bell Tel Co., 1060 University St., Montreal, P.Q., Canada.

 BARAVELLA, JOSEPH G. (S'57-A'59), Systems Engr., Raytheon Mfg. Co., Wayland, Mass.

 BARBANO, NORMAND (S'56-M'58). 1491 Palou Ave., San Francisco 24, Calif.

 BARBASO, SALVATORE (M'58), Asst. Engr., Sperry Gyroscope Co., Greal Neck, L.I., N.Y.

 BARBE, EDWIN C. (S'56-M'57), Instr., Elec. Engrg., West Virginia Univ., Morgantown, W. Va.

 BARBEAU ANDRE R. (M'55), Engr., Diglal Computer, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BARBER, GORDON S., JR. (M'57), Engr., Radiation, Inc., Melbourne, Fla.

 BARBELLA, ANTHONY M. (S'48-A'51-M'56), Project Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 BARBER, ALFRED W. (A'31-VA'39-SM'54), Owner Instant Circuits & Alired W. Barber Labs., 32-44

 Francis Lewis Blvd., Flushing 58, L.I., N.Y.

 BARBER, ARNOLD E. (A'55), Project Engr., Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles 7, Calif.

 BARBER, DAN (S'58-M'58), Electronics Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.

 BARBER, DAN (S'58-M'58), Electronics Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.

- BARBER, EDWARD (A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. BARBER, FRANK H. (M'57), Design & Dev. Engr., RCA,

- BARBER, FRANK H. (M'57), Design & Dev. Engr., RCA, Camddn, N.J.

 BARBER, GENE O. (A'56), Sr. Engr., Daystrom Systems, La Jolla, Calif.

 BARBER, KENNETH F. (A'57), Sr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 BARBER, LEROY E. (S'47-A'51-M'56), Sr. Dev. Engr., Missile Operations, Chrysler Corp., Box 2628, Detroil 31.

 BARBER, MARVIN W. (A'58), Electronics Specialist, Tech. Asst. Br., Liaison, Decatur Signal Depot, Decatur, III.

 BARBER, PETER F. (M'59), Sr. Engr., Standard Telephones & Cables, Ltd., Oakleigh Rd., New Southgate, London N.11, England.

 BARBER, RALPH G. (A'53-AMEO).
- England.

 BARBER, RALPH G. (A'53-M'58), Construction Engr.,
 Corps of Engrs., U. S. Army, Home: 244 Forest Ave.,
 Locust Valley, L.I., N.Y.
- Locust Valley, L.I., N.Y.
 BARBER, WILLIAM D. (5'56-M'59), Dev. Engr., GE Co.,
 Schenectady, N.Y.
 BARBER, WILLIAM S. (4'54-M'59), Sr. Elec. Engr.,
 Motorola, Inc., 8201 E. McOowell Rd., Phoenix, Ariz.
 BARBIERI, GREGORY (4'58), Assoc. Engr., IBM,
 Owego, N.Y.
- Owego, N.Y.

 BARBIERI, MARCELO (A'53-M'55), Commandante Gen.
 de Com. (R), Consulting Engr., Teodoro Garcia 2278,
 Buenos Aires, Argentina.

 BARBOUR, CHARLES W., JR. (S'41-A'42-M'48-SM'51),
 Engr., Towson Labs., 419 Georgia Ct., Towson 4, Md.

 BARBOUR, LEON D. (S'58-M'59), Flight Test Engr.,
 Doyglas Aircraft Comp., 3000 Ocean Park Blvd.,
 Santa Monica, Calif.
- Sanka Monica, call.

 BARBOUR, ROBERT E. (A'52), Project Engr., Pako Corp.,
 1010 N. Lyndale, Minneapolis 11, Minn.

 BARBOUR, THEODORE M. (S'51-M'57), Engr., RCA,
 Camden, N.J.
- Camden, N.J.

 BARCALA, JUAN M. (S'42-A'45-SM'54), Jefe Tecnico
 Laboratorios V.E., Transradio Internacional, San Martin
 379, Buenos Aires, Argentina.

 BARCELO, PIERRE O. (A'58), Electronics Techniclan,
 Canadian Marconi Co., 2442 Trenton Ave., Montreal,
 P.Q., Canada
- P.Q., Canada
 BARCHENGER, BRUNO W. (A'54), Flight Test Engr.,
 Lockheed Missiles Systems Div., Sunnyvale, Calif.
 BARCLAY, ALEXANDER P. H. (SM'46), Genl. Mgr., Engrg.
 & Mfrg., Professional Equipment Div., Philips Electrinics Industries, Ltd., 116 Vanderhoof Ave., Toronto 17, Ont.,
- Canada.

 BARCLAY, ANDREW S. (S'55-M'57), Sr. Engr., Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

 BARCLAY, CATHERINE (A'52), Physicist, Natl. Bureau of Standards, Boulder Labs., Boulder Leder, Colo.

 BARCLAY, FRANK T. (M'57), Design Project Engr., I-T-E Circuit Breaker Co., 601 E. Erie Ave., Philadelphia, Pa.

 BARCLAY, JAMES C. (M'55), Defense Communications Mgr., AT&T Co., 811 Main St., Kansas City 5, Mo.
- ARCLAY, JAMES N. (S'43-A'45-SM'49), Sales Engr., RCA, 7901 Empire Freeway, Dallas 35, Tex.
- BARCLAY, JOHN A. (SM'59), Army Ballistic Missile Agency,

- BARCLAY, JOHN A. (SM'59), Army Ballistic Missile Agency BARCLAY, WILLIAM F. (A'58), Transmitter Engr., CBS Television KNXT, Mt. Wilson, Calif. BARCLAY, WILLIAM J. (S'38-A'44-SM'47), Prof., Elec. Engrg., North Carolina State College, Raleigh, N.C. BARCLAY DE TOLLLY, GEDRGE E. (A'54), Logic Designer, GE Co., Computer Lab., Commercial St., Palo Alto, Calif. BARCO, ALLEN A. (A'40-SM'45-F'57), Dir., Systems Research Lab., RCA, Princeton, N.J. BARCROFT, JOHN R. (S'49-A'51-M'56), Physical Science Administrator, U.S. Atomic Energy Commission, Box 550, Richland, Wash.
 BARCROFT, RALPH W. (S'52-M'55), Computer Engr., Avco Mfg. Corp., 20 S. Union St., Lawrence, Mass. BARCUS, E. DALE (SM'58), Toll Service Transmission Engr., Pacific Telephone & Telegraph Co., 747 S. Hill St., Los Angeles 55, Calif. BARCUS, RONALD (S'46-M'56), Sr. Engr., Systems Div., Bendix Aviation Corp., 3300 Plymouth Rd., Ann Arbor, Mich.
 BARCZYS, DANIEL A. (A'54), Cornell Aeronautical Lab.,

- Mich.

 BARCZYS, DANIEL A. (A'54), Cornell Aeronautical Lab., 4255 Genesee St., Buffalo 21, N.Y.

 BARD, ROBERT E. (S'44-M'47'SM'52), Engr., Genl.
 Radio Co., 6605 W. North Ave., Oak Park, Ill.

 BARD, WENDELLE. (A'54), Mem. Tech. Staff, Hughes Alrcraft Co., Box 11337, Emery Pk. Sta., Tucson. Ariz.

 BAR-DAVID, ISRAEL (A'56), Research Engr., Ministry of Defence, Scientific Dept., Box 7063, Hakirya, Tel-Aviv, Israel.
- BARDELL, PAUL H. (S'53-M'57), Engr., IBM, Poughkeepsie, N.Y.
- Poughkeepsie, N.Y.
 BARDFIELD, MORTON L. (A'51-M'55), Chief Engr.,
 WMEX, Richmond Bros., Inc., Boston 15, Mass.
 BARDON, DONALD G. (M'58), Instr., Elec. Engrg., School
 of Mines & Metaliuryy, Rolla, Mu.

- BARDONNER, WILMER J., JR. (S'52-A'53-M'58), Asst. Engr., ITT Federal Div., 3101 Wayne Trace, Ft. Wayne, Ind.
- Ind.

 BARE, CLAUDE C. (S'55-M'58), Engr., Minneapolis-Honeywell Regulator Co., Aero Div., St. Petersburg, Fla.

 BARFIELD, CHARLES F. (S'55-M'57), District Trans-mission Suovr., Southern Bell Tel. & Telegraph Co. 823 N. 26 St., Birmingham 5, Ala.
- BAREISS, MAX (M'31-5M'43), Chief Engr., Tube Dev., Tung-Sol Electric, Inc., 200 Bloomfield Ave., Bloomfield, N.J.
- N.J.

 BARFUSS, JOHN D. (S'49-A'50-M'55), Prod. Engr., Lear, Inc., 110 Ionia, N.W., Grand Rapids 2, Mich.

 BARGELLINI, PIER L. (S'36-A'39-S'49-A'49-SM'53), Assoc. Prof., Elec. Engrg., Moore School of Elec. Engrg., Univ. of Pennsylvania, 200 S. 33 St., Philadelphia 4, Pa. Assoc. Prof., Elec. Engrg., Moore School of Elec. Engrg., Univ. of Pennsylvania, 200 S. 33 St., Philadelphia 4, Pa. BARGER, JAMES R. (5'51-A'53-M'58), Elec. Engr., RCA, Camden, N.J. BARGER, STEWART D. (5'49-A'50), Project Engr., Tally Register Corp., 5300 14, N.W., Seattle 7, Wash. BARGER, STEWART D. (5'49-A'50), Project Engr., Tally Gyroscope Co., Great Neck, L.I., N.Y. BARGH, PICKARD F. (S'52-A'53-M'56), Chief Design Engr., Intelligent Machines Research Corp., 7019 Edsall Rd., Alexandria, Va. BARGHAUSEN, ALFRED F. JR. (A'52), Electronics Engr. (Radio), Natl. Bureau of Standards, Boulder, Colo. BARGHOUT, JAD M. (S'57-M'59), 320 W. 105 St., New York 25, N.Y. BARGMAN, MAX (A'46), Field Engr., Elec. Components, Sylvania Elec. Prods., Inc., 175 Great Arrow Ave., Buffalo 7, N.Y. BARHAN. Rov. N. (4'57), Prog. Portle Partic Components, Barthan. Rov. N. (4'57), Prog. Partic Partic Components, Partic Partic Components, Partic Partic Components, Partic Partic Partic Partic Partic Partic Partic Partic Partic Partic

- 7, N.Y.

 BARHAN, Roy N. (A'57), Prop., Roy: Radio Shop, 1413 11 St., W., Calgary, Alta, Canada.
 BARHYDT, HAMILTON (S'54-A'55), Sr. Mem. Tech. Staff. Hughes Aircraft Co., Culver City, Calif.
 BARICH, THOMAS J. (S'55-M'57), Research Engr., Hughes Aircraft Co., Culver City, Calif.
 BARIKMO, HOWARD O. (S'53-M'57), Jr. Engr., Motorola, Inc., 3102 N. 56 St. Phoenix, Ariz.
 BARIL, JEAN C. (S'54-A'54), Defence Research Scientific Officer 2, Defence Research Board, CARDE, Valcarrier, P. Q., Canada.
 BARILE, TONY M. (S'55-M'57). Mam. Air Warshan Communication of the Communication of
- P.Q., Canada.

 BARILE, TONY M. (S'55-M'57), Mem. Air Weather Service, USAF, Det. 29, 26 Wearon, Lincoln AFB, Nebr.

 BARINA, EDWARD J. (S'55-M'57), Electronics Engr., Test., Hughes Aircraft Co., Culver City, Calif.

 RARIS, ANTHONY J. (S'55-M'56), Elec. Engr., GE Co.,

- Utica, N.Y.

 BARJIAN, HAROLD (S'51-A'53-M'57), Equipment & Systems Evaluation, Federal Electric Corp., Paramus, N.J.

 BARK, ANDREW (M'47), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 BARK, DURWARD A. (M'57), Asst. Foreman, Electronics Lab., The Geotechnical Corp., 3401 Shiloh Rd.,

 Garland, Tex.
- Lau, , ine Leotechnical Corp., 3401 Shiloh Rd., Garland, Tex.

 BARK, RAYMOND S. (J'40-A 43-M'50), Research Engr., Boeing Airolane Co., Box 3707, Seattle 24, Wash.

 BARKER, CHARLES B., JR. (SM'53), Sr. Staff Physicist, Research Labs., Hughes Aircraft Co., Culver City, Calif. BARKER, D. BOYD (M'56), Staff, Lincoln Lab., MIT, Lexington 73, Mass.

 BARKER, DALE W. (S'56-M'57), Design & Dev. Engr., RCA, Camden, N.J.

 BARKER, DAN E. (S'56-M'56), Asst. Communication Engr., Southern Railway Co., 15 & K Sts., N.W., Washington, D.C.

 BARKER, DEAN R. (A'37-VA'39-M'51), Staff Engr., American Machine & Foundry Co., 261 Madison Ave., New York 16, N.Y.

 BARKER, ESTILL E. (S'49-A'50-M'55), Sr. Engr., Philco

- BARKER, ESTILL E. (S'49-A'50-M'55), Sr. Engr., Philco-Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. BARKER, HARLOW J. (M'58), Staff Engr., Raytheon Mfg. Co., Maynard, Mass. BARKER, HARRY R., JR. (M'54), Microwave Engr., Raytheon Mfg. Co., Maynard, Mass. BARKER, JABUS (A'47-SM'54), Engr., GE Co., Utica,
- N.Y.
 BARKER, JACK R. (A'57), Jr. Engr., Stromber-Carlson
 Co., 1400 N. Goodman St., Rochester 9, N.Y.
 BARKER, JAMES I. (S'57-M'58), Electronics Engr.,
 Wright Air Development Center, Wright-Patterson AFB,
 Ohio.
- Dhio.

 BARKER, LAVAR H. (SM'56), Ramo-Wooldridge Corp., Box 45534, Alrord Sta., Los Angeles 45, Calif.
 BARKER, MAX W. (M'57), Electronics Engr., USAF, Tinker AFB, Oklahoma City, Okla.
 BARKER, NORMAN G. (S'56-M'57), Engr. DeHavilland Aircraft, Guided Missile Div. Downsview, Ont., Canada.
 BARKER, RICHARD A. (M'56), Sr. Elec. Engr., Stavid Engrg., Inc., U.S. Rte. 22, Plainfield, N.J.
 BARKER, RICHARD C. (S'50-A'51-M'56), Asst. Prof. Elec. Engrg., Vale Univ., New Haven, Conn.
 BARKER, ROBERT D. (S'41-A'45-M'51), Head, ASG-18 Sect., Radar Dept., Hughes Aircraft Co., Culver City, Calif.

- Calif.

 BARKER, VINCENT S. (M'56-SM'57), Genl. Mgr. & Chief Engr., Freeport Broadcasting Co., Inc., WFRL, 9 N. Chicago Ave., Freeport, III.

 BARKER, WILLIAM J. (M'48), Radio Engr., Dept. of Defense, SAF, Wright-Patterson AFB, Ohio.

 BARKES, RALPH L. (S'57-M'58), Elec. Engr., Radiation, Inc., Melbourne, Fla.

 BARKEY, ROBERT J. (J'41-A'43-M'55), TV Engr., RKO Teleradio Pictures, Inc., 1440 Broadway, New York 18, N.Y.
- Teleradio Pictures, Inc., 1440 broadway, New York To, N.Y.

 BARKLEY, HENRY B., JR. (S'54-M'56), Lt. Cmdr., USN, Commissioning Detall, Engrg. Dept., Nuclear Powered Cruiser, USS Long Beach (CGN-9), % Sup. Ships, Bethlehem Steel, Quincy, Yand, Quincy, Mass.

 BARKLEY, HOWARD F. (A'25-VA'39-M'55), Tech. Writer, ITT Labs., 343 Cortlandt St., Belleville, N.J.

 BARKLEY, JOSEPH W., JR. (S'48-A'50), Sr. Engr., Ampex Corp., 934 Charter St., Redwood City, Calif., BARKLEY, MERRIL M. (A'48-B'M'52), Supyg. Electronics Scientist, Weapon Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 BARKMAN, ROBERT N. (A'47), Security Officer, Tech., U. S. Dent. of State, Washington, D.C.

 BARKOW, WILLIAM H. (A'54-M'59), Elec. Design Engr., TV Div., RCA, Camden 8, N.J.

- BARKSON, JOSEPH A. (SM'49), Prof., Engrg., Arizona State Univ.. Tempe, Ariz.
- State Univ., Tempe, Ariz.

 BARLAM, THOMAS (S'50-A'51-M'5B), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 BARLAS, JAMES P. (M'5B), Elec. Engr., Socony Mobil Oil Co. de Venezuela, Apartado 246, Caracas, Venezuela.

 BARLETT, FRANCIS R. (A'54), Project Engr., Ling Electronics, Inc., 9937 W. Jefferson Bivd., Culver City, Calif.

 BAR-LEY, ADIR (A'55), Lecturer, Israel Institute of Technology, Haifa, Israel.

 BARLEY, CECIL E. (A'55), Maint. Officer, U. S. Fleet Air Defense Training Center, San Diego 47, Calif.

 BARLEY, CHALMER D. (S'5B-M'59), Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Olio.

 BARLIN, FREDERICK E. (M'58), Chief. Fenr., V.P.
- BARLINE, FREDERICK E. (M'5B), Chief Engr., V.P., Engrg., Cooke Engrg. Co., 50B N. Pitt St., Alexandria,
- Va.

 BARLOS, BRUCE R. (S'56-M'5B), Engr., Microwave Engrg.
 Labs., Inc., 943 Industrial Ave., Palo Alto, Calif.

 BARLOW, ANDREW D. (S'46-A'50-M'56), Engr.,
 WestInghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 BARLOW, DANIEL P. (S'47-A'50-M'55), Engr., Value
 Research, GE Co., Schenectady 5, N.Y.

 BARLOW, DEREK H. (M'57), European Editor, Control
 Engrg., McGraw-Hill Publishing Co., 95 Farringdon St.,
 London, E.C. 4, England.

 BARLOW, DICK S. (A'40-SM'49), Mgr., Electron Tube
 & Industrial Systems DIv., Hughes Aircraft Co., Culver
 City, Calif.

- & Industrial City, Calif. BARLOW, GEORGE E. (A'58), Rep., Defence Research & Dev., Australian Joint Service Staff, 2001 Connecticut Ave., Washington 8, D.C.
- BARLOW, HAROLD M. (SM'54-F'56), Pender Prof., Ele-Engrg., University College, Univ. of London, Gower St., London W. C.1, England.
- BARLOW, HERBERT B., JR. (A'47-M'55), Patent Atty., Barlow & Barlow, 2005 Industrial Bank Bldg., Providence
- 3, R.I.

 BARLOW, HOWARD C. (A'58-SM'59), Deputy Dir. for Operations, Natl. Security Agency, Ft. Meade, Md.

 BARLOW, J. EDWARD (S'51-A'53-SM'5B), Dev. Engr.,
 Bell Tel. Labs., Burlington, N.C.

 BARLOW, JAMES T. (A'55), Western Regional Supvr.
 Federal Electric Corp., Box 881, Long Beach 1, Calif.

 BARLOW, JOHN P. (S'56-M'5B), Engr., IBM,
 Owego, N.Y.
- BARLOW, LESTER C. (A'47), Specialist, Engrg., GE Co., Syracuse. N.Y.
- Syracuse, N. Y.

 BARLOW, ORAN M., JR. (M'58), Electronics Engr., Univ. of California Radiation Lab., Box BOB, Livermore, Calif.
 BARLOW, WILLIAM J. (S'54-M'57), Staff Mem., Sandia Corn., Sandia Base, Albuguerque, N. M.

 BARLOWE, MURRAY (A'54), Owner, Barlowe Electronics Co., 392 N. Wantagh Ave., Bethoape, L. I., N.Y.

 BARMAN, JOHN E. JR. (S'53-A'55), Univ. of Missouri, Columbia, Mo.
- Columbia, Mo.

 BARMORE, JOHN L. (M'5B), Assoc. Prof., Surgery, Univ. of Nebraska, College of Medicine, 42 & Dewey, Omaha 5, Nebr.

- Nebr.

 BARNA, GEORGE, JR. (M'57), Project Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 BARNABIC, EDWARD V. (M'57), Communications Systems Engr., RCA, 75 Varick St., New York 13, N.Y.

 BARNABY, ROBERT H. (S'47-A'49-M'55), Capital Budget Mgr., NBC, 30 Rockefeller Plaza, New York, N.Y.

 BARNARD, DOUGLAS F., JR. (M'56), Mgr., Rating Lab., RCA, Semiconductor Div., Rte. 2D2, Somerville, N.J.

 BARNARD, EUGENE H. (A'47-M'55), U. S. Govt., 2430 E. St., N.W., Washington, D.C.

 BARNARD, GENE E. (S'50-A'51-M'56), Chief, Reliability & Components Div., The Emerson Electric Mfu. Co., 8100 W. Florissant Ave., St. Louis, Mo.
- BARNARD, GEORGE A., III (S'43-A'45-M'51-SM'56), Sr. Prod. Planning Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.
- BARNARD, GEORGE L. (S'53-A'54), Sr. Engr., Emerson Research Labs., 701 Lamont St., N.W., Washington, D.C. BARNARD, JOHN C. (M'5B), Assoc. Engr., Convair, San Diego, Calif.
- Diego, Calif.

 BARNCASTLE, LEROY (S'57-M'59), Electronics Engr.,
 Pacific Missile Range, Point Mugu, Calif.

 BARNECK, CHARLES A. (S'52-A'54), Project Engr.,
 Sperry Utah Engrg. Lab., 322 N. 21, W., Salt Lake
 City 16, Utah
- BARNELL, EDWARD J. (S'54-A'54), Lab. Technician, Airborne Instrument Lab., Mineola, L.I., N.Y. BARNES, ALBERT E. (A'51-M'56), Project Engr., Westinghouse Elec. Com., Friendship Internati. Airport, Baltimore
- BARNES, BENNY B. (S'55-M'57), Instrument Engr., E. I. Du Pont de Nemours & Co., Inc., Savannah River Plant, S.C.
- BARNES, BERTRAM B. (A'43), Chief Engr., Mountain City Television, Inc., WRGP-TV, 1214 McCallie Ave., Chattanooga 3, Tenn.
- BARNES, CASPER W., JR. (S'49-A'54-SM'56), Sr. Research Engr., Stanford Research Institute, Menio Park, Calif.
- BARNES, DONALD B. (M'55), Sr. Project Engr., Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N.J. BARNES, DONALD E. (M'56), Assoc. Engr., IBM,
- Poughkeepsie, N.Y.
 BARNES, DOUGLAS J. (M'57), Sr. Engr., National Co.,
 Inc., 61 Sherman St., Malden, Mass.
 BARNES, EDWARD M., JR. (S'54-A'54-M'59), Assoc.
 Engr., Douglas Aircraft Co., Inc., 2000 N. Memorial,
 Tulsa, Okla.
- BARNES, ELDON M. (S'53-A'54), Elec. Design Engr., Chrysler Corp., Missile Operations, Box 2628, Detroit 31, Mich.
- BARNES, FRANK S. (S'54-M'58), 1335 Marshall St.,
- Boulder, Colo.

 BARNES, GEORGE H. (A'54), Engr., Burroughs Corp.,
 Paoli, Pa.
- BARNES, HARRY R. (A'58), 4912 73 St., San Diego 15,
- Cair.

 BARNES, HUGH R. (\$'56-M'57), Elec. Engr., RCA Service Co., B38 N. Henry St., Alexandria, Va.

 BARNES, JACK A. (A'52-M'55), Radio Communications Engr., Motorola Communications & Electronics, Inc., 1400 N. Cicero Ave., Chicago, III.

- BARNES, JAMES A. (S'51-A'51-M'57), Electronics Engr., Bell Aircraft Com., Niagara Falls, N.Y. BARNES, JAMES C. (436-4V439-SM'52), Engr., Northwestern Bell Tel. Co., 224 S. 5 St., Minneapolis
- Northwest 2, Minn.

- Northwestern Bell Tef. Co., 224 S. 5 St., Minneapolis 2, Minn.

 BARNES, JOHN G. (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BARNES, JOHN L. (A'27-SM'44-F'52), Prof., Engrg., Univ. of California; Pres., Systems Corp. of America, 1007 Broxton Ave., Los Angeles 24, Calif.

 BARNES, JOHN W. (S'50-A'51-M'57), Electronics Engr., Lockheed Aircraft Corp., Sunnyvale, Calif.

 BARNES, JOHN W. (S'50-A'51-M'57), Electronics Engr., Lockheed Aircraft Corp., Sunnyvale, Calif.

 BARNES, LAWRENCE (A'49-M'57), Electronics Engr., Arabian American Oil Co., Dhahran, Saudi Arabia.

 BARNES, LEONARD L. (A'57), Maint. Supvr., 2045th AACS Group Hgrs., Andrews AFB, Washington 25, D. C. BARNES, LYNWOOD S. (S'56-M'58), Radio Engr., 9310 31 Pl., S.W., Seattle 6, Wash.

 BARNES, OWEN C. (A'49-M'55), Chief Elec. Engr., Libby Welding Co., 2700 Tomman Rd., Kansas City, Mo.

 BARNES, ROWEN C. (A'49-M'55), Chief Elec. Engr., Libby Welding Co., 2700 Tomman Rd., Kansas City, Mo.

 BARNES, ROBERT B. (S'32-A'39-VA'39-M'55), Asst. Sta. Engr., Kerch., NBC, Mt. Wilson, Calif.

 BARNES, ROBERT B. (S'32-A'39-VA'39-M'55), Asst. Sta. Engr., Kerch., NBC, Mt. Wilson, Calif.

 BARNES, ROBERT S. (A'46-M'55), Engrg. Dept. Head, Sperry Gyroscope Co., Grant Neck, L.I., N.Y.

 BARNES, ROBERT S. (A'46-M'55), Engrg. Dept. Head, Sperry Gyroscope Co., Grant Neck, L.I., N.Y.

 BARNES, ROSWELL P., JR. (M'57), Project Coordinator, Melbar, Inc., 43 Leon St., Boston 15, Mass.

 BARNES, SAMFORD H. (M'54), Physicist, Pacific Seml-conductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.

- Calif.

 BARNES, THOMAS G. (SM'54), Chmn., Schellenger Research Lab., Texas Western College, El Paso, Tex.

 BARNES, WILLIAM C. (S'56-M'59), Electronics Engr.,
 U. S. Naval Proving Ground, Dahlgren, Va.

 BARNES, WILLIAM L. (S'50-A'52-M'57), Project Engr.,
 Philico Coro., Tioga & C Sts., Philadelphia 34, Pa.

 BARNETT, BERNARD E. (A'52-M'58), Electronics Engr.,
 Hathaway Instrument Div., Hamilton Watch Co., 5800 E.

 Jewell, Denver 22, Colo.
- BARNETT, CHARLES B. (A'52-M'57), Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

- Cair.

 BARNETT, ROBERT M. (SM'59), Aeronautical Research Engr., Natl. Aeronautics Space Administration, Ames Research Center, Moffett Field, Calif.

 BARNETT, ROY1., JR. (M'5B), Asst. Prof., Elec. Engrg. Dept., Univ. of Southern California, Los Angeles, Calif.
- Dept., Univ. of Southern California, Los Angeles, Calif. BARNETT, WILLIAM C. (S'55-M'57), Elec. Engr., GE
- Co., Schenectady, N.Y.
 BARNETT, WILLIAM T. (S'57-M'5B), Bell Tel. Labs.,
 Murray Hill, N.J.
 BARNETTE, L.A. M. (M'53-SM'53), In Chg. Radio
 Communication Sect., Humble Oil & Refining Co., Box
 2180, Houston 1, Tex.
 BARNETTE, WILLIAM E. (S'52-A'54). Research Engr.,
 RCA Labs., Princeton, N.J.
- BARNEY, GEORGE M. (M'59), 13515 Emeline, Dallas 34, Tex.
- 34, lex.
 BARNEY, HAROLD L. (M'45-SM'46), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 BARNEY, JOHN M. (SM'56), Design Engr., Martin Co.,
 Orlando, Fla.
- OHAMON, PIA.

 BARNEY, KAY H. (S'4B-A'50-M'55-SM'57), Engrg. Dept. Head, Sperry Guroscope Co., Great Neck, L.I., N.Y.
 BARNEY, LYLE W. (S'55-M'59), Flight Test Engr., RCA Flight Lab., Box 1507, Wilmington, Del.
 BARNEY, WILLIS H. (A'54-M'56), Physicist, Corning Glass Works, Corning, N.Y.

- Glass Works, Corning, N.Y.

 BARNHART, HERBERT D. (M'56), Mgr., Instrumentation M & P. Lab., GE Co., Syracuse, N.Y.

 BARNHART, ROBERT W. (S'55-M'59), USN PG School, Box 2094, Monterey, Calif.

 BANHART, ROBERT B. (M'51), Electronics Engr., Cico Corporation, 9615 Glenoaks Bivd., Sun Valley, Calif.

 BARNHILL, JAMES H. (M'59), Apolied Science Rep., IBM, 1111 Connecticut Ave., N.W., Washington, D.C.

 BARNHILL, ROBERT B. (M'51), Mfrs. Rep., R. B. Bamhill & Associates, 19 W. Penn Ave., Towson 4, Md.

 BARNSTABLE, FRANK H. (M'55), Braodcast & Carrier Inspector, Canadian Pacific Communications, Winnipeg, Man., Canada.
- BARNUM, JAMES F. (M'58), Assoc. Engr., Douglas Aircraft Co., El Segundo, Calif. BARNUM, THOMAS G. (S'54-A'55), Instrumentation Engr., AC Spark Plug Div., 1925 E. Kenilworth PI., Milwaukee 1, Wis.
- BAROCH, GEORGE F. (A'51-M'57), Chief Prod. Engr., Motorola, Inc. Western Military Electronics Center, 8201 E. McDowell, Phoenix, Ariz.
- BARON, ALAN S. (M'56), Mgr., BMEWS Computers, RCA Service Co., 190B Bannard St., Riverton, N.J.

- BARON, ALBERT A. (S'56-M'57), Engr., CGS Labs., Inc., 391 Ludlow St., Stamford, Conn. BARON, ALLAN R. (S'55-M'56), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
- Lab., Mineola, L.I., N.Y.
 BARON, EDMUND A. (M'56), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y.
 BARON, HARRY D. (A'56), Pres., Columbia Electrocentre, Ltd., 954 Eldorado St., Trail, B.C. Canada.
 BARON, HERBERT M. (S'57-M'59), Test Engr., ITT Federal Div., Clifton, N.J.
 BARON, JEAN (M'55), Chief Engr. S.E.R.E.L., 26 Rue de Londres, Paris, France.

- Londres, Paris, France.

 BARON, RAYMOND N. (S'55-M'59), Electronics Tube Engr.,
 CBS Hytron, Kent & Warren St., Newburyport, Mass.

 BARON, ROBERT C. (M'57), Dev. Engr., Epsco, Inc., 5B8
 Commonwealth Ave., Boston 15, Mass.
- BARON, ROBERT G. (S'50-A'53-M'5B), Staff Engr., IBM, Airborne Computer Lab., Owego, N.Y. Airborne Computer Lab., Owego, N.Y.
 BARONE, SALVATORE A. (J'16-A'19-SM'46), Pres.
 Northern Radio Co., Inc., 134-5 W. 22 St., New York
 II, N.Y.
- BAROSIN, SIDNEY (A'49-M'55), Dev Engr., ITT Labs., Nutley 10, N.J.
- BARQUIST, WILLIAM S., JR. (S'55-M'55), Ground Electronics Officer, USAF, 11th RBS, Det. 2, Cheli AFS, Maywood, Calif.
- BARR, ELLIOTT M. (M'4B), Div. Mgr., Application Engrg. Dept., Taylor Instruments Co., 95 Ames St., Rochester 1, N.Y.
- BARR, ELY E. (S'57-M'5B), Elec. Engr., ITT Labs., Nutley 10, N.J.
- Nutley 10, N.J.
 BARR, ERNEST W. (A'43), Electronics Engr., FAA, Box
 1689 Ft. Worth, Tex.
 BARR, FRED M. (A'53-M'58), Project Engr., Stelma, Inc.,
 200 Henry St., Stamford, Conn.
 BARR, GARY L. (S'55-M'57), Dev. Engr., Sperry Gyroscope
 Co., Sumnyvale, Calli

- Co., Sunnyvale, Calif.

 BARR, HARRY (A's)1-M'57), Asst. Chief, Wire Div., U.S.

 Army Signal Publications Agency, Ft. Monmouth, N.J.

 BARR, HERBERT J. (4'53-SM'57), Project Office Staff

 Engr., Convair, Pomona, Calif.

 BARR, IRWIN (S'56-M'58), Assoc. Engr., Douglas Aircraft

 Co., Santa Monica, Calif.
- BARR, JAMES C. (\$'55-M'56), Transmission Inspector, Southwestern Bell Tel. Co., 900 W. Capitol, Little Rock,
- Ark.

 BARR, LEON V. (S'51-A'52-M'57), Lt. Comdr., USN.
 Radar Branch, Electronics Div., Bureau of Ships, Main
 Navy, Constitution Ave., Washington, D.C.
- BARR, MICHAEL P. (S'57-M'58), Quality Control Engr., Airborne Instrument Lab., Mineola, L.I., N.Y. BARR, PAUL (S'52-A'53-M'58), Tech. Sales Mgr., Elec-tronics Div., Van Norman Industries, Inc., 186 Granite St., Manchester, N.H.
- BARR, SAMUEL M. (SM'54), V.P. Planning, Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y. BARR, THOMAS A. (A'53), Asst. to Chief, RF Systems Sect., Army Ballistic Missile Agency, Redstone Arsenal,
- BARR, WILLIAM W. (A'5B), Pres. & Chief Engr., Arlot Electronics Mfg. Div., Barr Electric Co., Inc., 4606-B Travis St., Dallas 5, Tex.
- BARRACK, CARROLL M. (S'49-A'50-M'56), Research Engr., Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

- Timonium, Md.

 BARRADAS, OVIDIO C.M. (S'55-M'58), Inst. Technol. de
 Aero., Sao Jose Dos Campos, Sao Paulo, Brazil.

 BARRANCO, ANGEL A. (M'56), Tech. Dir., CMBF, Natl.
 Network, Mazon y San Miguel, Habana, Cuba.

 BARRANCER, BERNARD J. (S'57-A'5B), Staff Asst.,
 Sandia Coro., Sandia Base, Albuquerque, N.M.

 BARRANGER, JOHN P. (S'56-M'58), Design Electronics
 Engr., ITT Federal Div., 3702 E. Pontiac St., Ft. Wayne, Ind.
- BARRAR, RICHARD B. (M'57), Mathematician, System Development Corp., 2500 Colorado, Santa Monica, Calif. BARRATT, NORMAN T. (M'57), Mgr., Quality Control, Radio Valve Co., Ltd., 189 Dufferin St., Toronto, Ont., Canada.

- Canada.

 BARRE, WADE E. (M'55), Dev, Engr., Sylvania Elec.
 Prods., Inc., 12 2nd Ave., Warren, Pa

 BARELLE, ROLAND J. (S'53-A'54-M'59), Project Engr.,
 Allison Div., GMC, Indianapolis 6, Ind.

 BARRENTINE, WILLIAM M. (S'55-M'56), Electronics
 Design, GE Co., Johnson City, N.Y.

 BARRET, JEAN P. (S'57-M'57), Electronics Research Engr.,
 Institut Francais Du Petrole, 4 Pt. Bir-Hacheim, Rueil-Malmaison, S.D., France.
- maison, S.O., France.

 BARRETO, JOHN M. (A'45-SM'56), Electronics Engr., Dept. of the Navy. CMO, Pentagon, Washington, D.C.

 BARRETT, ARTHUR E. (SM'44), Consulting Engr., Internat!. Atomic Energy Agency, Kaerntnerning, Vienna 1, Austria.

 BARRETT, ARTHUR J. (A'5B), Engr., Sanders Associates, 95 Canal St., Nashua, N.H.

 BARRETT, ARTHUR M., JR. (S'49-A'49-M'55), Pres., Barrett-Cravens Co. & Barrett Electronics Corp., 630 Dundee Rd., Ncrthbrook, III.

 BARRETT, BRUCE W. (M'59), Staff Engr., Mitre Corp., Lexington 73, Mass.

 BARRETT, CHRISTOPHER S. (A'50-M'55), Flectronics

- Lexington 73, Mass.

 BARRETT, CHRISTOPHER S. (A'50-M'55), Electronics Engr., USCG, Electronic Engrg, Sta., Wildwood, N. J.

 BARRETT, CURTIS W. (S'55-M'59), 9241 Crenshaw Blvd., Inglewood, Calif.

 BARRETT, ELTON T. (A'42-M'45), Pres., CGS Labs., Inc., Ridgefield, Conn.
- BARRETT, JOHN (A'51-M'56), Lecturer, Brunel College of Technology, Acton, London W3, England.

 BARRETT, JOHN C. (S'57-M'59), 4165 Baker St., Palo Alto, Calif.

- Alto, Calif.

 BARRETT, JOHN W. (SM'5B), Chief Engr., Johnson Electronics, Inc., Box 1675, Casselberry, Fla.

 BARRETT, LEE C., JR. (A'47), Production Mgr., Frequency
 Standards, Box 190, Red Bank, N.J.

 BARRETT, LELAND S. (S'51-A'53-M'58), Research Engr.,
 Lockheed Aircraft Corp., Palo Alto, Calif.

 BARRETT, MELVIN J. (M'55), Research Engr., Hughes
 Aircraft Co., Culver City, Calif.

 BARRETT, RICHARD 0. (S'55-M'56), Research Engr.,
 Steams Electric Corp., 120 N. Broadway, Milwaukee 1,
 Wis.

- BARRETT, ROBERT M. (S'41-A'43-M'51), Physicist, Air Force Cambridge Research Center, 224 Albany St., Cambridge, Mass.

 BARRETT, THEDORE B. (M'56), Electronics Engr., USAF, Engrg. Div., Alaska, Hors. Sacramento GEEIA Region (AMC), APO 942, Seattle, Wash.

 BARRETT, TWYLLE, A. C. (M'5B), Telecommunications Staff Officer, RCAF, Dept., Natl. Defence, Air Force Hors., Ottawa, Ont., Canada.

 BARRICK, WILLIAM E. (A'50-M'55), Systems Engr., GE Co., Utica, N.Y.

 BARRICK, WILLIAM E. (A'50-M'56), Lt., USAF, Communications Officer, 60Bth Communications Sadon., APO 239, San Francisco, Calif.

 BARRICK, WILLIAM H. (A'55-M'58), Lab. Supvr., Solid State Physics Debt., Northern Electric Co., Shearer St., Montreal, P. Q., Canada

 BARRINGER, ANTHONY R. (A'5B), Mgr., Alrborne Operations & Tech. Services Div., Selco Exploration Co., Ltd., 77 York St., Toronto, Ont., Canada.

 BARRINGER, ABTHONY R. (A'59-A'50-M'55), Flight Test. Conn. Engr., Calif., extraordic Arg., Valif., Altron.

- Ltd., 77 York St., Toronto, Ont., Canada.
 BARRINGER, ELMER E. (S'49-A'50-M'55), Flight Test
 Group Engr., Convair-Astronautics, Vandenberg AFB, Calif.
 BARRIO, F. DE LAS PENAS (S'53-A'54), Audio Engr.,
 Radio Programes de Mexico S.A., Bucareli *109-4. Piso
 Mexico, D.F., Mexico.

- Mexico, D. F., Mexico.

 BARRIOS, ARTHUR A. (A'53), Sr. Engr., RCA, 75 Varick
 St., New York, N. Y.

 BARRIS, H. ALLEN (A'55), Teacher, Elec. & Radio Shop,
 Industrial High School, Dunkirk, N. Y.

 BARRON, FRED E. (A'44-M'48-SM'53), Assoc. Chief
 Engr., E. A. Myers & Sons, Inc., Valley Brook Rd.,
 Canonsburg, Pa.

- BARRON, FRED E. (A'44-M'4B-SM'93), ASSOC. Chief Engr., E. A. Myers & Sons, Inc., Valley Brook Rd., Canonsburg, Pa.
 BARRON, JAMES L. (A'5B), Engrg. Alde, Prod. Design, GE Co., Owensboro, Ky.
 BARRON, JOHN I. (M'56), Radio Transmission Engr., Southern Bell Tel. & Tel. Co., 970 Jefferson Standard Bidg., Box 240, Charlotte, N.C.
 BARRON, KENNETH F. (S'55-M'56), Jr. Engr., Sperry Gyroscope Corp., Great Neck, L.I., N.Y.
 BARRON, TRAYIS C. (S'58-M'59), Asst. Control Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala.
 BARROS BARRETO, LUIS A. (A'53-M'58), Chief Engr. & Dir., Indec-Industria Nacional De Electronica, E., Comunicacoes, Ltda., Praca Francisco Ferreira Lopes, Rua Missionarios, 44, Santo Amaro, Sao Paulo, Brazil.
 BARROW, BRUCE B. (S'52-M'56), Engr., SHAPE Air Defense Tech. Center, Box 174, The Hague, Netherlands.
 BARROW, DAVID M. (S'52-A'54-M'59), Sr. Electronics Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.
 BARROW, FRED A. (A'23-VA'39), Mgr., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P. Q., Canada.
 BARROW, WILMER L. (A'28-M'40-F'41), V.P., Research & Dev., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BARROWCLIFF, THOMAS A. (A'53), Elec. Engr., Sylvania Elec. Prods., Inc., Wehrle Dr., Buffalo 21, N.Y.
 BARROWS, JAMES H. (A'5B), Coordinating Engr., CONELRAD, FCC, Geiger Field, Spokane, Wash.
 BARRY, ANDRE (A'53), 6254-B Cartier, Montreal 55, P.Q., Canada.
 BARRY, CHARLES J. (A'52-M'56), Supvy. Electronics Engr., USN Mine Defense Lab., Panama City, Fla.
 BARRY, FREDERIC N. (4'38-VA'39), Sect. Mgr., Western Dev. Labs., Govt. & Industrial Div., Phileo Corp., 3875

- List, U.S. Navai Underwater fornance Sail, Nempor, N.I. BARRY, FREDERIC N. (4/38-VA/39), Sect. Mgr., Western Dev. Labs., Govt. & Industrial Div., Philoc Corp., 3875 Fabian Way, Palo Alto, Calif. BARRY, GARY D. (S'58-M'59), Ensign USN, Radio Maint. Officer, USS Los Angeles (CA-135), FPO, San Francisco, Calif.

- Univer, USS Los Angeles (UA-135), FPO, San Francisco, Calif.

 BARRY, HOWARD P., JR. (M'54), Specialist, Human Engrg., Republic Aviation Corp., 223 Jericho Tpke., Mineola, L.I.N.Y.

 BARRY, J. GRIFFITHS (A'41-SM'45), Group Leader, Lincoin Lab., MIT, Lexington 73, Mass.

 BARRY, JAMES C. (M'56), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BARRY, RAYMOND W. (M'57), Field Engr., Motorola, Inc., CMEC, 1450 N. Cicero Ave., Chicago 51, III.

 BARRY, ROBERT N. (S'56-M'58), Mathematician, FTFSD-K, AFFTC. Edwards AFB, Calif.

 BARRY, SID (A'52), Pres., Filtron Co., Inc., 131-15

 Fowler Ave., Fiushing 55, L.I., N.Y.

 BARRY, THOMAS S. (S'57-M'58), Test Engr., Hughes Aircraft Co., Box 90426, Airport Sta., Los Angeles 45, Calif.

 BARSANTI, DANIEL H. (A'58), Electronics Technician.

- BARSANTI, DANIEL H. (A'58), Electronics Technician, Narda Ultrasonics, 122 Herricks Rd., Mineola, L.I., N.Y. BARSCHEL, ERIC (A'53), Elec. Services Foreman, Bristol Aircraft (Western), Ltd., Berry St., Winnipeg, Man.,
- BARSE, GEORGE R. (S'43-A'45), 137 Fleetwood Ter., Silver Spring, Md.

- DARSE, GEUNGE R. (S'43-A'45), 137 Fleetwood Ter., Silver Spring, Md.
 BARSIS, ALBRECHT P. (S'48-A'49-M'53), Electronics Scientist, Central Radio Propagation Lab., Natl. Bureau of Standards, Boulder, Colo.
 BARSKY, HARRY S. (A'46-M'52-SM'56), Dev. Engr., American Electronic Labs., Colmar, Pa.
 BARSONY, CHARLES L. (S'55-M'57), Elec. Engr., Dominion Electrohome Industries, 809 Wellington St., Kitchener, Ont., Canada,
 BARSTOW, JOHN M. (SM'47), TV Systems Engr., Bell Tel. Labs., Murray Hill, N.J.
 BARSTOW, JOHN M., JR. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Whiippany, N.J.
 BART, GEORGE P. (S'57-M'58), Assoc. Dev. Engr., Norden Div., United Aircraft Corp., 121 Westmoreland Ave. White Plains, N.Y.
 BART, STANLEY (S'55-M'58), Elec. Engr., Advance TV.

- BART, STANLEY (S'55-M'5B), Elec. Engr., Advance TV Dev., Zenith Radio Corp., 6001 W. Dickens St., Chicago, III.

- III.

 BARTCH, HERBERT (A'56), Electronics Installation Technician, FAA, U.S. Govt., Seattle-Tacoma Airport, Wash.

 BARTEE, THOMAS C. (M'57), Logical Design, MIT,
 Lincoln Lab., Lexington 73, Mass.

 BARTEK, RICHARD J. (M'58), Design Systems Engr.,
 Burroughs Corp., Plymouth, Mich.

 BARTEL, WILBERT B. (A'53), Research Engr., Jet Propulsion Lab., California Institute of Technology, 4800 Oak

 Grove Dr., Pasadena, Calif.
- BARTELINK, DIRK J. (M'56), 3455 Alameda, Menlo Park, Calif.

- BARTELL, VINCENT T. (M'56), TV Technician, WWJ-TV, The Detroit News, 622 W. Lafayette, Detroit 31, Mich. BARTELL, WILLIAM W. (M'59), Cenl. Sales Myr., Waters Mfg., Inc., Boston Post Rd., Wayland, Mass. BARTELME, RICHARD R. (S'51-A'52-M'57), Automation Engr., Creole Petroleum Corp., Caracas, Venezuela. BARTELS, HARRY C., JR. (A'54), Engr., Lansdale Tube Co., Main St., Spring City, Pa. BARTELS, WILSON S. (A'48-M'53-SM'55), Antenna Evaluation Sect. Head, Electronics Test, Naval Air Test Center, Patuxent River, Md. BARTELT, CHARLES H. (S'52-A'53-M'58), Field Engr., RCA Service Co., Govt. Service Dept., Camden B, N. J. BARTELT, JOHN E. (S'47-A'48), Sr. Engr., JBM, 182 N. Hamilton St., Pouphkeepsie, N.Y. BARTELT, JOHN E. (S'54-A'54), Engr., JBM, 182 N. Hamilton St., Pouphkeepsie, N.Y. BARTER, LERDY D. (A'53), Systems Engr., Beckman Instruments, Inc., 325 N. Muller, Anahelm, Callf. BARTELD, ROBERT A. (M'56), Instr., Univ. of Pennsylvania, Philadelphia 4, Pa. BARTH, ALFRED M. (S'54-A'54), Electronics Technician, Mergenhaler Lincivyce Co., 43 Hall St., Brooklyn 5, N.Y. BARTH, JOSEPH A. (M'56), Chief Engr., Consumer Enterprise, 4128 E. Windsor Ave., Phoenix, Ariz. BARTH, RICHARD A. (S'55-M'58), Elec. Engr., Natl. Aeronautical Corp., Ft. Washington Industrial Park, Ft. Washington, Pa.
 BARTHA, STEPHAN J. (A'42), Staff Engr., Automatic Electric Co., 1033 W. Van Buren St., Chicago 7, III.
- Washington, Pa.
 BARTHA, STEPHAN J. (A'42), Staff Engr., Automatic Electric Co., 1033 W. Van Buren St., Chicago 7, III.
 BARTHEL, DONALD R. (S'4Be-4'50-M'58), Electronics
 Engr., Martin Co., Middle River, Md.
 BARTHOLOME, PIERRE J. (A'5B), Radlo Engr., Shape Air
 Defense Technical Center, Box 174, The Hague, Nether-
- BARTHOLOMEW, CHARLES Y., JR. (A'51-M'56), Mem. Tech. Staff, Bell Tel. Labs., 555 Union Blvd., Allentown, Pa.
- BARTHOLOMEW, CHESTER S. (M'54), Mgr., Reliability Engrg., Lockheed Missile & Space Div., Box 504, Sunny-vale, Calif.
- vale, Calit.
 BARTHOLOMEW, DAVIS (S'38-A'40-M'55), Prof., Elec.
 Engrg., Brigham Young Univ., Provo, Utah.
 BARTHOLOMEW, HARVEY C., JR. (S'49-A'50-M'55), Sr.
 Electronics Engr., Insui-8-Com., 1369 Industrial Rd., San

- Carlos, Calif.

 BARTHOLOMEW, HOWARD R. (S'56-M'5B), Engr., Wyle Mfg. Corp., 121 Center St., El Segundo, Callif.

 BARTHOLOMEW, RICHARD R. (S'56-A'52-M'56), Engr., Wyle Mfg. Corp., 121 Center St., El Segundo, Callif.

 BARTHOLOMEW, RICHARD R. (S'50-A'52-M'56), Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa.

 BARTHOLY, FREDERICK E. (A'32-VA'39-M'55), Div. Patent Atty., Ansco Co., 40 Charles, Binghamton, N.Y.

 BARTIK, WILLIAM J. (A'47-M'55), Project Engr., Sperry-Rand, Box 5616, Philadelphia 29, Pa.

 BARTIMES, GEORGE F. (S'56-A'57-M'57), Research Engr., Mechanics Dept., American Machine & Foundry, Co., 1104 S. Wabash Ave., Chicago S, Ill

 BARTLES, ELMER K. (A'5B), Electronics Technician, U. S. Government, Picatinny Arsenal, Dover, N. J.

 BARTLETT, EUGENE R. (S'54-M'58), 2B Pond, Sharon, Mass.

- Mass.
 BARTLETT, FREDERICK F., JR. (M'57), Partner, Fred F.
 Bartlett & Co., 153 Morlyn Ave., Bryn Mawr, Pa.
 BARTLETT, GEORGE W. (A'53-M'55-SM'59), Asst. Dir.,
 Engro., Natl. Association of Broadcasters, 1771 N St.,
 N.W., Washington 6, D.C.
- BARTLETT, JACK E. (A'57), Capt., USAF, Communica-tions Officer, Hgrs. 3rd Air Div., APO 334, San Fran-cisco, Calif.
- Cisco, Calif. Nas. Jos Ali Dev., Arabay Sashi, Sash

- BARTLETT, THEODORE L. (M'52), Mgr., Special Aviation Projects, Defense Electronics Prods. Dept., RCA, Camden,

- N.J.

 BARTLETT, VERNELL W. (S'53-A'54), Sr. Research Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.

 BARTLETT, WILLIAM F. (A'55). Electronics Switching Systems Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 BARTLEY, GEORGE A. (A'55-SM'55), Pres. & Mng. Dir., CHCA Television, Ltd., Box 668, Red Deer, Alta., Canada.

- Canada.

 BARTLEY, LEO S. (S'56-M'58), Electronics Engr., USAF, Rome Air Development Center, Griffits AFB, N.Y.

 BARTLEY, WILLIAM P. (S'4B-A'49-M'55), Sub-Sect. Mgr., GE Co., Syracuse, N.Y.

 BARTLING, MAX H. (A'54), Research Engr., Lockheed Missiles & Space Div., Sunnyvale, Calif.

 BARTLOME, ROY D. (S'52-A'54), Project Mgr., Librascope, Inc., 808 Western, Glendale 1, Calif.

 BARTLUM, GEORGE C., JR. (A'58), Tech. Witer, Elec-BARTLUM, GEORGE C., JR. (A'58), Research Engr., Research Institute, Univ. of Michigan, Ann Arbor, Mich.

 BARTMAN, HERBERT M. (S'48-A'51-M'58), Electronics Scientist, Interference Control, Wright Air Development Center, Wright-Patterson AFB, Ohio.

 BARTMAN, RAYMOND, JR. (SM'59), Mem. Tech. Staff,
- Lenuer, wright-ratters on An B, Unito.
 BARTMAN, RAYMOND, JR. (SM'59), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 BARTNIK, JOHN C. (S'53-A'54), Sr. Engr., Sylvania
 Elec. Prods., Inc., 175 Great Arrow, Buffalo 7, N.Y.
 BARTNIKAS, RAY (S'56-M'58), Elec. Engr., Northern
 Electric Co., 150 Metropolitan Blvd., Lachine, P.Q.,
 Canada.
- Canada.
 BARTO, ROBERT C. (M'58), Chief, Telemetry Systems
 Branch, Range Instrumentation Development Div., White
 Sands Missile Range, N.M.
 BARTOL, THOMAS J. (A'54), Design Engr., Globe-Union,
 Inc., 900 E. Keefe Ave., Milwaukee 1, Wis.

- BARTOLE, GEORGE C. (A'56), Proprietor, Gull Lake Radio, Gull Lake, Sask., Canada.
- Gull Lake, Sask., Canada.

 BARTOLINI, ENRIQUE (SM'57), Service Engr., H. T.
 Bennett Music Co., 827 State St., Santa Barbara, Calif.
 BARTOLOMEI, GEORGE G. (A'46-M'55), Sr., Instrumentation Engr., Associated Nucleonics, Inc., 975 Stewart
 Ave., Garden City, L.1., N.Y.

 BARTON, BEN F. (M'55), Research Engr., Univ. of Michigan Research Institute, Cooley Bidg., Ann Arbor, Michigan Research Institute, Cooley Bidg., Ann

- Owings Mills, Md.
 BARTON, DAVID K. (S'49-A'50-M'55-SM'59), Electronics
 Engr., RCA, Moorestown, N.J.
 BARTON, DON C. (S'56-M'58), Engr., Aeronutronics Computer Div., 1234 Air Way, Glendale, Callf.
 BARTON, FREDERICK S. (F'35), Chief Scientific Officer,
 Ministry of Supply, Defense Supplies Adviser, United Kingdom High Commissioner, Ottawa, 16 Roxborough Apts.,
- Laurier Ave.. W., Ottawa, Ont., Canada, BARTON, GEORGE R. (5/51-A/53-M/54-SM/58), Engrg. Sect. Head, Sperry Microwave Electronics Co., Clearwater, Fla.
- Fla.

 BARTON, JAMES R. (A'59), Service Engr., Earl Lipscomb Associates, 3605 Inwood Rd., Dallas, Tex.

 BARTON, JOHN, JR. (A'53-M'56), Electronics Scientist, Flight Simulation Lab., White Sands Proving Groumds, N.M.

 BARTON, JOHN H. (M'59), Tech. Staff, Natl. Security Agency, Washington 25, D.C.

 BARTON, LEON M. (S'41-A'44-M'47-SM'51), Electronics Engr., GE Co., Syracuse, N.Y.

 BARTON, LOY E. (M'29-SM'43-F'56), Research Engr., RCA Labs., Princeton, N.J.

 BARTON, LYNR R. (S'54-M'58), Research Engr., Jet Pro-

- RCA Labs., Princeton, N.J.

 BARTON, LYNN R. (S'54-M'58), Research Engr., Jet Propulsion Lab., 4B00 Oak Grove Dr., Pasadena, Calli.

 BARTON MORRIS C., JR. (A'57), Chief Engr., KSLA-TV, Shreveport Television Co., Box 92, Shreveport, La.

 BARTON, RICHARD (A'51-M'57), Elec. Engr., Naval Ordnance Lab., White Oak, Md.

 BARTON, RICHARD (M'58), Dev. & Design Engr., RCA, Camden, N.J.

- BARTOW, MCHARD (w 36), Dev. a Desgir Ling., Not., Canden, N.J.

 BARTON, ROBERT H. (S'47-A'51-M'56), Dev. Engr., Boeling Alpralane Co., Melbourne, Fla.

 BARTON, ROBERT L. (A'57), Design Engr., Bendix Aviation, 11600 Sherman Way, North Hollywood, Calif.

 BARTON, ROBERT W. (SM'55), Asst. Genl. Mgr., Systems Research Lab., Motorola, Inc., 8330 Indiana Ave., Riverside, Calif.

 BARTOW, JAMES E. (S'51-A'53-M'57), Electronics Engr., U.S. Amy Signal Research & Development Labs., Ft. Monmouth, N.J.

 BARTEAM JAMES F. (S'50-A'52-M'56), Sr. Assoc., G.
- BARTRAM, JAMES F. (S'50-A'52-M'56), Sr. Assoc., G. C. Dewey & Co., Inc., 202 E. 44 St., New York 17, N.Y.
- BARTRAM, RALPH H. (A'54), Research Engr., Sylvania Elec. Prods., Inc., 208-20 Willets Point Blvd., Bayside,

- L.I., N.Y.

 BARTSCH, ROBERT T. (M'57), Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.

 BARUCH, JORDAN J. (S'48-M'50), V.P., Bolt, Beranek &
 Newman, Inc., 50 Moulton St., Cambridge 38, Mass.

 BARUCH, SIDNEY N. (4'44-M'55), Consulting Engr., S.
 N. Baruch, United Broadcast System, 1476 Broadway, New
 York 36, N.Y.
- BAR-URIAN, MOSHE (S'53-A'54-M'59), Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q., Canada.
- Canada,

 BARUS, CARL (A'48-M'55-SM'55), Asst. Prof., Elec.
 Engry.. Swarthmore College, Swarthmore, Pa

 BARWICZ, WIESLAW (A'57), Prof., Technical High School
 in Wroclawy, Head Dir., Institute industrial of Electronics,
 Diuga 44/50, Warsaw, Poland.

 BARYLSKI, MARTIN W. (S'53-A'54) Engr., Sperry Electronic Tube Div., Galnesville, Fla.
 BARZILAI, GlORGIO (SM'50), Prof. of Electronics, Scuola
 D'Ingegneria, Universita di Roma, Via Eudossiana 18,
 Roma, Italy.

- Roma, Italy.

 BASARAB, JOHN, JR. (S'50-A'52-M'57), Sr. Engr.,
 Stavid Engrg., Inc., U.S. Rte. 22, PlaInfield, N.J.

 BASBAS, LEANDRE T. (A'55-M'58), Chief Design Engr.,
 Elec. Dept., Salamis N. Shipyard, Greek Navy, Ministry of
 Navy, Athens, Greece.
- BASCH, ALAN L. (S'56-M'58), Research, Martin Co., Orlando, Fla.

- BASCH, ALAN L. (S'56-M'58), Research, Martin Co., Orlando, Fla.

 BASCH, MARTIN W. (S'54-M'59), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 BASCOME, PHILIP L. (A'58), Radio Technician, City of Tampa, Tampa Police Dept., 1 Hillsbourgh, Tampa, Fla.

 BASH, IGMATIUS F. (S'49-A'50-M'55), Chief Engr., Dubrow Development Co., 235 Penn St., Burlington, N.J.

 BASHAM, JOSEPH L. (A'58), Electronics Lab. Technician, GE Co., Owensboro, Ky.

 BASHAM, RAY (A'41-M'55), Electronics Engr., Supvr., FAA, 4825 Troost Ave., Kansas City, Mo.

 BASHARA, NICHOLAS M. (A'47-M'52), Instr., Dept. of Elec. Engrg., Univ. of Nebraska, Lincoln, Neb.

 BASHE, CHARLES J. (A'50-M'55), Sr. Engr., IBM, Poughkeepsie, N.Y.

 BASHFORD. HAROLD L. (A'53-M'58), Engr., Sect. Head, Test Equipment, Research & Electronics Lab., Sprague Electric Co., North Adams, Mass.

 BASHKOW, THEDDORE R. (S'50-A'51-M'56), Assoc. Prof., Elec. Engrg., Dept., Columbia Univ., New York 27, N.Y.

 BASHORE, CLINTON E. (A'57), 14917 E. Fairacres Dr., Wilbitite Colif

- BASHORE, CLINTON E. (A'57), 14917 E. Fairacres Dr., Whittier, Calif.
- Whittier, Calif.

 BASIL, ALEXANDER (A'52-M'57), Research Engr., Airborne Instruments Lab., Inc., Mineola. L.I. N.Y.

 BASIL, IRVING T. (A'50-M'55), Supvy. Engr., Westinghouse Electronics Div., Box 746. Baltimore 3. Md.

 BASILE, GEORGE I. (M'59), Dir., Reliability, IBM, 112 E. Post Rd., White Plains, N.Y.

 BASILICO, CARMELO (S'56-A'57), 1813 W. 9 St., Brooklyn 23, N.Y.

 BASIM, DONALD S. (SM'51), Head, Radar Dept., Genl. Precision Lab., Pleasantville, N.Y.

- 8ASINGER, EARNEST G. (M'57), Automation Equipment Design, Ben Pearson, Inc., Pine Bluff, Ark. 8ASISTA, JOHN, JR. (M'59), Westinghouse Elec. Corp. Aviation Sales, Braddock Ave., East Pittsburgh, Pa.
- BASISIA, JOHN, JR. (M*59), Westinghouse Elec. Corp. Aviation Sales, Braddock Ave., East Pittsburgh, Pa.
 8ASKIN, EDWARD 8. (A*54), Electronics Scientist, U. S.
 Naval Air Development Center, AEEL-C&G. Johnsville. Pa.
 8ASKIN, HERBERT B. (S*56-M*57), Instr., Syracuse,
 Univ., Syracuse, N. Y.
 8ASKIN, ROBERT F. (M*56), Tech. Specialist, Electronics
 Controls, Thompson Prods., Tapco, Cleveland, Ohio.
 BASORE, 8ENNETT L. (A*52-SM*55), Sr. Engr., Dikewood Corp., 4805 Menaul, N. E., Albuquerque, N. M.
 BASS, CHARLES A. (M*57), Electronics Scientist, Naval
 Research Lab., Washington 25, D.C.
 SASS, DONALD C. (M*57), Instrumentation Planning Engr.,
 RCA Missile Test Project, Patrick AFB, Fla.
 BASS, GORDON A. (S*54-M*57), Engr., Stromberg-Carlson
 Co., 1400 N. Goodman St., Rochester 9, N. Y.
 BASS, HARLAND A. (M*44-SM*52), Dir., Engrg., Plans &
 Programs, Crosley Div., AVCO Mfs. Corp., 1329 Arlington,
 Clincinnati 25, Ohlo.
 8ASS, HARRY H. (S'57-M*58), 276 Genesee Park Dr.,

- 8ASS, HARRY H. (S'57-M'58), 276 Genesee Park Dr., Syracuse 10, N.Y. 8ASS, HERBERT W. (M'55), Applications Engr., Scientific Sales Engrg. Co., 2162 Piedmont Rd., N.E., Atlanta 9,
- BASS, J. E. (S'55-M'57), Dev. Engr., Link Aviation, Inc., Box 1318, Palo Alto, Calif. 8ASS, JAMES G. (M'58), Electronic Warfare Egulpment Re-pair Man, U. S. Army Signal Corps., D Co., Ft. Monmouth, N.J.
- 8ASS, JAMES W. (M'55), Sr. Electronics Engr., Radia-phone Co., 600 E. Evergreen Ave., Monrovia, Calif. 8ASS, LARRY F. (S'55-M'57), 9720 Valjean Ave., Sepulveda, Calif.

- Sepulveda, Calif. Som. Sty., Quality Control, GE Co., Jet Engine Dept., Cincinnati 15, Ohio.

 BASS, LEON (SM'51), Mgr., Quality Control, GE Co., Jet Engine Dept., Cincinnati 15, Ohio.

 BASS, LEON J. (S'49-A'52-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BASS, SAUL D. (A'54), Sr. Engr., Devenco, Inc., 150 Broadway, New York, N. Y.

 BASS, SIDNEY (S'55-M'58), Asst. Engr., Armour Research Foundation, 10 W. 35 St., Chicago 45, Ill.

 BASSENDOWSKI, ETHAN A. (A'58), Radio Technician 1, Dept. of Natl. Defence, 127 St. & 133 Ave., Edmonton, Alta., Canada.

 BASSETT AL EXANDER, JR. (S'57-M'59), Administrative.
- ANSETT, ALEXANDER, JR. (S'57-M'59), Administrative ASSL., City of New York, 8 Board of Elections, 80 Varick St., New York 13, N., Y. BASSETT, DALE M. (S'48-A'51-M'56), Production Engr., John Fluke Mig. Co., 1111 W. Nickerson, Seattle 99, Wash.

- Wash.

 8ASSETT, ETHAN D. (A'40-M'55), Chief Engr., Electronic Colls, Inc., 33 Lyman St., Springfield, Mass.

 8ASSETT, JOHN D. (SM'55), Sr. Systems Engr., Technical Operations, Inc., South Ave., Burlington, Mass.

 8ASSETT, ORMON E. (SM'58), Asst. Mgr., Electronics & Electronechanics Dept., Avco. Research & Advanced Dev. Div., 201 Lowell St., Wilmington, Mass.

 8ASSETT, RALPH S. (S'48-A'53-M'56), Engr., Vitro. Corp. of America, 14000 Georgia Ave., Silver Spring, Md.

 8ASSETT, REX E., JR. (A'38-VA'39), Pres. & Genl. Mgr., Rex. Bassett, Inc., 1314 N.E. 17 Ct., Ft. Lauderdale, Fla.
- 8ASSETT, WILLIAM H., JR. (A'55), 60 Wishing Lane, Hicksville, L.I., N.Y.
 8ASSLER, SHEKMAN G. (A'45-M'53), Electronics Engr., U.S. Army Research & Development Labs., Ft. Monmouth, N.J.
- N.J.

 BASTEDO, GEORGE R. (SM'49), Electronics Engr., Naval Ordnance Lab., Corona, Calif.

 BASTIAN, ARTHUR L. (A'53-M'58), Chief Project Engr., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.

 BASTIAN, DONALD W. (S'57-M'59), Dev. Engr., Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, III.

 BASTIAN, ELMER (S'50-A'51-M'58), Project Engr., Admiral Corp., 3800 W. Courtland, Chicago, III.

 BASTIAN, LYLE R. (M'55), Equipment Specialist (Electronics), Tinker AF 8, Midwest City, Okla.

 BASTIAN, WIDTSOE M. (S'56-M'59), Electronics Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SASTIN, QUINCY S. (S'55-M'58), Engr., Raytheon Mfg.

- 8ASTIN, QUINCY S. (S'55-M'58), Engr., Raytheon Mfg. Co., Bristol, Tenn.
- Co., Bristol, Tenn.

 8ASTINGS, RAYMOND L. (S'57-A'58), Customer Engr., I8M, 51 Eglinton, E., Toronto 7, Ont., Canada.

 BASTIOCK, DONALD W. (A'55), Foreman of Signals, NWT & Y Radio System, Dept. of Natl. Defence, Hgrs., Western Cmd., Edmonton, Alta., Canada.
- SASTON, WHITNEY M. (M'45), TV Tech. Supvr., N8C, 30 Rockefeller Plaza, New York 20, N.Y. 8ASTOW, JOSEPH G., JR. (A'50-M'56), USCGC Mackinac "WAVP 371', PM, Staten Island 1, N.Y. 8ASTOW, WENDELL R. (M'49), Statif Electronics Engr., Lockheed Alrcraft Co., Sunnyvale, Calif.

- ASTUS-CHECK, CLIFFORD P. (A'22-SM'55), Staff Engr., Haller, Raymond & Brown, Inc., State College, Pa. 8ASWELL, AVERY C., JR. (S'55-M'56), Sr. Aerophysics Engr., Convair, Ft. Worth, Tex. 8ATCH, WILLIM J. (M'58), Engr., Natl. Security Agency, Washington 25, D. (A'54), Security Agency,
- 8ATCHELOER, DALE D. (S'56-M'58), Electronics Scientist, Missile Systems, Naval Ordance Lab., Corona, Calif.
- Call.

 BATCHELDER, LAURENCE (A'29-SM'47-F'57), Staff Engr., Raytheon Mfg. Co., Wayland, Mass.

 BATCHELDOR, WILLET E. (A'46), Engr., Radio Broadcasting, WCUE, 41 S. Main St., Akron B, Ohio.

 BATCHELLER, ARTHUR (A'14-M'20-SM'43)(L), Engr.-in-Chg., U. S. FCC, 641 WashIngton St., New York 14 N.Y.
- 8ATCHELOR, JOHN C. (A'32-VA'39-SM'48), Principal, Cresap, McCormick & Paget, 342 Madison Ave., New York 17, N.Y.
- 8ATCHER, KENNETH E. (S'55-M'58), Jr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15,
- SATCHER, RALPH R. (J'16-A'18-M'22-SM'43-F'50), Consulting Engr., 240-02 42 Ave., Douglaston, L.I., N.Y.
- 8ATDORF, SAMUEL 8. (SM'57), Advanced Research Project Agency, Pentagon, Washington 25, D.C.

- 86 -

- BATEMAN, CHARLES D. (M'56), Project Engr., Boeing Airplane Co., Renton, Wash.

 BATEMAN, FRANK F. (M'55), Tech. Operations Mgr., Jefferson Standard Broadcastling Co., 1 Jefferson Pl., Charlotte, N.C.

 BATEMAN, GEORGE H. (A'47-SM-51), Electronics Design Specialist, Martin Co., Orlando, Fla.

 BATEMAN, JOSEPH W. (S'50-A'51-M'57), Project Test Engr., Convair, Ft. Worth 1, Tex.

 BATEMAN, LEE J. (M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BATEMAN, LEONARD A. (A'49), Transmission Engr., Illinois Bell Tel. Co., 309 W. Washington St., Chicago, III.

 BATEMAN, ROSS (A'42-M'55-F'59), 5720 El Nido Rd., Falls Church, Va.
- BAI LEMANY, NO. 1. Falls Church, Va. BATES, ALBERT G. (A'48-M'53), Studio Supvr., Engrg., KFAB Broadcasting Co., 5010 Underwood, Omaha 32,
- RATES, DAVID J. (S'55-M'57), Mem. Tech. Staff, Electron Tube Lab., Hughes Aircraft Co., Culver City, Calif. 8ATES, EDWIN L. (A'54), 6610 Alleghany Ave., Takoma Park 12, Md.
- Takoma Park 12, Md.

 8ATES, FRANK E. (M'57), Sr. Engr., Crosley Div., Avco Mfg. Co., 1329 Arlington St., Cincinnati 25, Ohio.

 BATES, FRANKLIN E. (S'54-A'54-M'59), Engrg. Dept., Southern Bell Tel. & Tel. Co., 8ox 811, Jackson, Miss.

 8ATES, JOHN F. (A'54), 3857 Nathan Way, Palo Alto, Calif.

 8ATES, JOHN K., JR. (A'51), Dev. Engr., (TT Labs., Nutley 10, N.J.

- Nutley 10, N.J.
 BATES, LYNDON D. (A'52-M'56), Engr., Collins Radio
 Co., Cedar Rapids, Iowa.
 BATES, RICHARD D. (A'55), Electronics Engr., Bell Aircraft Corp., Niagara Falls, N.Y.
 BATES, WAYNE J. (M'56), Microwave Dev. Engr., Motorola, Inc., 1400 N. Cicro Ave., Chicago 51, Ill.
 BATES, WILEY R. (M'55), Chief Engr., WCHN, 14 S.
 Broad St., Norwich, N.Y.
 BATES, WILLIAM H., JR., (A'39-VA'39), Pres., Chief Engr., KTR8 Broadcasting Co., Inc., Box 593, Morlesto, Calif.
- BATES, WILLIAM J. (M'57), Maj., U. S. Army Signal Corps. Camp Zama, Japan, USA Stit 2, APO 343, San Francisco, Calif.
- San Francisco, Calif.

 8ATEY, RICHARD W. (A'57), Tech. Writer, Remington Rand Univac, 19 St. & Allegheny Ave., Philadelphia 29, Pa. 8ATH, CARL C. (A'46-SM'56), Chief Engr., Special Aviation Prods., Bendix Radio Div., Towson 4, Md. 8ATH, HUBERT M. (M'59), Mem. Tech. Staff, Hughes Prods. Co., Internatl, Airport Sta., Los Angeles 45, Calif. 8ATH, JAMES P. (S'57-M'59), Engr., Western Electric Co., Winston-Salem, N.C.
- Co., Winston-Salem, N.C. Salem, N.C. BATISTA, WILLIAM C. (A'54), Field Engr., Dept. of the Army, Office of the Chief of Information, Troop Radio-TV Branch, TID, Washington 25, J.C.

- Branch, ITD, Washington 25, D.C.
 BATIUK, RICHARD A. (S'57-M'58), Assoc. Engr., Brown Instrument, Minneapolis-Honeywell Regulator Co., 707 Grange St., Philadelphia 20, Pa.
 BATSEL, CECIL N., JR. (M'57), Electronics Engr., RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.
 BATSEL, MAX C. (A'21-F'27), Chief Tech. Administrator, Defense Electronic Prods., RCA, Camden 2, N.J.
 8ATSON, DONALD D. (M'57), Antenna Engr., "I'P Electronic Spec.ulties Co., 5121 San Fernando Rd., Los Angeles 39, Calif.
- BATSON, JAMES A. (A'54), 280th, A.S.A. Co., APO 742, New York, N.Y.

- BAT JON, JAMES A. (A'54), 280th, A.S.A. Co., APO 742, New York, N.Y.

 ARTTAGLIA, CARL V. (S'52-A'54-M'59), Sr. Engr., Hazeltine Electronics Corn., Little Neck 62, L.I., N.Y.

 BATTEGE, R. 80LLING (M'56), Chesapeaks & Potomac Telephone Co., 703 East Grace, Richmond 19, Va.

 BATTEL, FREDERICK A. (S'49-A'50), Project Engr., Bendix Aviation Corn., Teterboro, N.J.

 8ATTELLE, R. BARD (S'48-A'50), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 BATTEN, HUGH W. (A'53-M'58), Research Scientist, Lockheed Aircraft Corn., Pallo Alto, Calif.

 8ATTEN, JOHN C., JR. (S'41-A'42-M'55), 3120 Homewood Pkwy., Kensington, Md.

 8ATTENBURG, NICHOLAS (A'51-M'56), Electronics Technician, FAA, Box 1082, Oklahoma City 1, Okla.

 8ATTERMAN, SHELDON (A'55), Project Engr., RCA, Moorestown, N.J.

 8ATTEY, H, BRUCE (S'42-A'44-SM'51), Assoc., Planning Research Corp., 1333 Westwood Blvd., Los Angeles 24, Calif.

 BATTIGLELLI, LAWRENCE M. (A'58), Tach. Meiter.
- BATTIGELLI, LAWRENCE M. (A'58), Tech. Writer, Rosern Publications & Procedures, 7070 N. Clark St., Chicago 26, III.
- 8ATTISON, ALVIN H. (M'58), Assoc. Engr., Patent Engrg. Sercices, I8M, Endicott, N.Y. 8ATTISON, JOHN H. (M'47-SM'49), Tech. Controller, Associated-Rediffusion, Ltd., Television House, London, W.C.2, England.
- W.C.2, England.

 8ATTISTELLI, JOSEPH J. (S'56-M'59), Test Equipment Engr., Hughes Aircraft Co., Box 11337, Tucson, Ariz.

 BATTJES, CARL R. (S'57-M'58), Engr., Sylvania Recomaissance Systems Lab., Box 188, Mountain View, Calif.

 8ATTLE, FREDERICK H., JR. (S'48-A'52-M'57), Engr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.

 8ATTLE, RICHARD P. (A'47-M'55-SM'59), Deputy Chief, Facilities, Div., FAA, Federal Bildg., New York Internall. Airport, Jamaica, L.I., N.Y.

- ATTLES, MILLARD T. JR. (S'53-M'59), Research Engr. B', Boeing Airplane Co., Renton, Wash.

 8ATTOCLETT, FRANK E. (S'57-M'58), Research Asst., Electron Device Lab., Ohio State Univ., 2024 Neil Ave., Columbus 10, Ohio.
- 8ATTOCLETTI, JOSEPH H. (S'48-A'50-M'55-SM'58) Assoc. Prof., Loyola Univ. of Los Angeles, 7101 W. 80 St., Los Angeles 45, Calif.
- 80 St., Los Angeles 45, Lailr.

 8ATTS, 8ASCOM F. (M/58), Sect. Mgr., Southwest Research Institute, 8500 Culebra Rd., San Antonio 6, Tex.

 8ATTS, ROBERT L. (A/52-SM/52), Dir. of Prod. Services, Motorola, Inc., Communications & Industrial Electronics Div., 4501 W. Augusta Blvd., Chicago 51, III.
- 4501 W. Augusta 8Ivd., Chicago 51, III. BATTY, ROBERT A. (M'58), Assoc. Engr., I8M, Endicott,
- N.Y. 8ATTY, WILLIAM E., JR. (M'58), Tech. Specialist, I8M, 590 Madison Ave., New York, N.Y.

- BATY, DANIEL L. (S'57-M'59), Engr., Sylvania Elec. Prods., Inc., 8ox 188, Mountain View, Calif. BATZ, JOSEPH C. (S'57-M'59), Systems Analyst, GE Co.,

- Syracuse, N.Y.

 8AUCUM, PERRY G. (M'45), Pres., Nelson Radio & Supply Co., Inc., 451 St. Louis St., Mobile, Ala.

 8AUDER, GEORGE E. (A'51), Western Div. Mgr., Tektronix, Inc., 701 Welch Rd., Palo Alto, Calif.

 8AUDIN, JEAN A. (A'56), Engr., Le Mat_riel Telephonique, 46 quari de Boulogne, Boulogne-Billancourt, Seine, France.

 8AUDOT, JOHN A. (M'56), TechRep, Electro Data Div.

 Burroughs Corp., 585 University St., Montreal 2, P.Q., Canada.

 8AUER, BENJAMIN 8. (S'37-A'39-SM'44-F'53), V.P., Acoustics & Magnetics, C8S Labs., 227 High Ridge Rd., Stamford, Conn.

- Stamford, Conn.

 BAUER, BERNARD F. (S'56-M'58), Elec. Engr., Duquesne Light Co., 435 6 Ave., Pittsburgh 19, Pa.

 BAUER, BRUNTON (S'29-VA'39-5M'53), Consultart, HewJett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 BAUER, EDWIN W. (S'48-A'49-S'50-A'52-M'58), Dev. Engr., 18M, Poughkeepsie, N. Y.

 BAUER, FREMONT W. (A'57), Electronics Technician, McDonnell Aircraft Corp., Lambert Field, St., Louis, Mo. BAUER, FRITZ (A'28-M'47), Owner, Bauer Electronic Mfg., Co., Box 1101, San Mateo, Calif.

 BAUER, H. ALAN (M'56), Design Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 BAUER, JOHN A. (A'41-SM'53), Mgr., Electronic Design & Dev., RCA, Missile & Surface Radar, Moorestown, N.J.

 BAUER, JOHN A. (A'52-M'57), Assoc Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

- Aviation Corp., 11000 sierman way, north Hollywood, Calif.

 BAUER, JOHN A. (S'54-M'57), Assoc. Engr. (Computer Programmer), Convair, San Diego, Calif.

 BAUER, LOUIS H. (S'52-A'54), Staff Mem., Radiation, Inc., 1030 Herman Ave., Orlando, Fla.

 BAUER, PAUL S. (J'20-A'26-VA'39), Consulting Engr., Urdahl Professional Engr. Associates, Washineton. D. C.

 BAUER, PAUL S., JR, (S'50-A'51-M'55), Branch Mgr., The I.E. Robinson Co., 905 Main St., Asbury Park, N.J.

 BAUER, RALPH L. (A'54), Supvy. Electronics Scientist, U.S. Naval Ordnance Lab., Corona, Calif.

 BAUER, RICHARD J. (S'58-M'59), Engr., Aircraft Armaments, Inc., Cockeysville, Md.

 BAUER, ROBERT E. (S'47-A'50-M'53), Mgr., Military & Industrial Electronics Dept., ACF Electronics., 1321

 Leslie Ave., Alexandria, Val.

 BAUER, SIEGFRIED J. (A'54), Physicist, U.S. Army Signal

- Research & Development Lab., Ft. Monmouth, N.J.

 8AUER, SIEGFRIED J. (A'54), Physicist, U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 8AUER, WALTER F. (A'53), Head, Information Systems Dept., Ramo-Wooldridge Corp., Airport Sta., Box 90534 Los Angeles 45, Calif.
- 8AUER, WARREN (A'44-M'45), Electronics Engr., Research Dept., Denison Engrg. Div., American Brake Shoe Co., 1160 Dublin Rd., Columbus 8, Ohio.
- Dublin Rd., Columbus 8, Ohio.

 8AUER, WILLIAM C. (A'52-M'57), Chief Engr., C.W. Schuiter Microwave Corp., 80 Montauk Hwy., Lindenhurst, L.I., N.Y.

 8AUER, WILLIAM D. (A'58), Electronics Maint. Specialist, Dept. of Commerce, FAA, Marine Dr., Portland, Ore.

 8AUER, WILLIAM M. (M'44), Prof., Electronics Engrg., U.S. Naval Postgraduate School, Monterey, Calif.

 8AUER, WILLIAM R. (S'55-M'56), Engr., RCA, Camden, N.J.
- N.J.

 BAUERSCHMIDT, DONALD K. (S'52-A'55-M'58), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 BAUGH, CHARLES W., JR. (S'43-A'49-M'52), Advisory
 Engr., Westinghouse Elec. Corp., 5050 W. State St.,
 Drexel Hill, Pa.
- Drexel Hill, Pa.

 8AUGH, HAROLD W. (A'52-M'58), Sr. Engr., Computer Control Corp., 81dg. 50, USNAMTC, Point Mugu., Calif.

 8AUGHMAN, DONALD L. (S'56-M'58), Plant Elec. Engr., O'Sullivan Rubber Corp., Valley Ave., Winchester, Va.

 8AUGHMAN, GEORGE W. (SM'45), V.P., Union Switch & Signal Div. of Westlinghouse Air Brake Co., Swisswale, Pittsburgh 18, Pa.

 8AUGHN, CLARENCE E. (S'56-M'57), Elec. Engr., Training Program, Naval Ordnance Lab., Silver Spring, Md.

 8AULCH, ERNEST L. (A'45-M'55), Mem. Tech. Staff, Bell Tel. Labs. 463 West St., New York 14, N.Y.

 BAUM, ELMER (S'40-A'42-M'55), Sr. Project Engr., ITT Labs., Nutley 10, N.J.

 8AUM, JOHN W. (A'56), Chief Health Physicist, Armour

- Labs., Nutley 10, N.J.

 8AUM, JOHN W. (A'56), Chief Health Physicist, Armour Research Foundation, 3440 S. State St., Chicage 16, III.

 8AUM, LEON (A'54-M'56), Electronics Engr., Columbia Univ. Electronics Research Lab., 632 W. 125 St., New York, N.Y.
- BAUM, MATTHEW C. (S'50-A'53-M'57), Transistor Circuits Consultant, Farrand Optical Co., 4401 Bronx Blvd. Bronx 70, N.Y.
- Styd. Sronx /O, N.Y.

 SAUM, RAYMOND H. (M/58), Design Specialist, ConvairAstronautics, Box 1128, San Diego 12, Calif.

 SAUM, RICHARD F. (A'42-M'55-SM'57), Staff Engr., The
 W.L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

 SAUM, RICHARD V. (A'50-M'55), Engrg. Specialist,
 Goodyear Aircraft Corp., Litchfield Park, Ariz.

 SAUM SYDNEY H. (A'24-VA'39-SM'54), Owner, Sydney
 H. 8aum Co., 70-15 Fleet St., Forest Hills 75, L.I.,
 N.Y.

- N.Y.

 8AUMAN, EDWARD J. (S'53-M'56), Lt., USAF, Asst.
 Project Officer, Holloman AF8, N.M.

 8AUMAN, HARDLD W. (A'42-M'47), Chief Engr., Transco
 Prods., Inc., 12210 Nebraska, Los Angeles 25, Calif.

 8AUMAN, MATHEW C. (M'57), 100 S. DuPont St.,
 Wilmingdon, Del.

- Wilmington, Del.

 8AUMAN, MORTON (S'55-M'57), Engr., Airborne Instruments Lab., Mineola, L.I., N.Y.

 8AUMAN, NORMAN C. (M'57), Plant Supvr., New York Telephone Co., 323 Main St., Buffalo 3, N.Y.

 8AUMAN, PHILIP A. (S'46-A'48-M'55), Asst. Prof., Univ. of Illinois, Urbana, Ill.

 8AUMAN, RALPH E. (A'55), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 8AUMAN, RICHARD D. (S'56-M'59), Engr., Sylvania Electronic Defense Labs., Box 205, Mountain View, Calif.

 8AUMAN, VERNE R. (A'55), Research Engr., Rocketdyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.
- BAUMANN, ADOLPH (A'52-M'57), Research Engr., 107 Oak St., Wellesley 81, Mass.

BALI-BEA - 87 -

- BAUMANN, CARLOS (A'32-SM'55), Chief Engr., RCA Victor Argentina S.A.I.C., Bartolome Mitre 1961, Bulnos Aires, Argentina.
- Aires, Argentina.

 BAUMANN, DONALD A. (S'49-A'51-M'5B), Sr. Electronics Engr., Electronic Associates, Inc., Long Branch Ave., Long Branch, N.J.

 BAUMANN, ERNST (SM'51), Prof. E.T.H., Head, Sect. of Industrial Research Swiss Federal Institute of Technology, Institute fur technische Physik und der E.T.H., Cloriastrasse 35 . Zurich . Switzerland
- BAUMANN, GERALD M. (M'5B), 117B Ryan Ave., St. Paul 13, Minn.
- 13, Minn.

 BAUMANN, JOHN A. (A'47), Mgr., Special Systems & Dev.
 Mkto., Defense Electronic Prods., RCA, Camden 2, N.J.

 BAUMANN, ROGER H. (S'52-A'53-M'59), Engr., Compagnie Generale, de Telegraphne Sans Fil, rue du Maroc,
 Paris 19, France.

 BAUMANS HANS W. (M'57), Intermediate Engr., Canadian
 Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q.,

- Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q., Canada.

 BAUMEISTER, ERNST A. (S'49-A'49-M'55), 2350 N. 16 St., Milwaukee 6, Wis.

 BAUMEI, IRWIN D. (A'52-M'57), Research Assoc., Crosby Labs., Inc., Robbins Lanc, Hicksville, L.I., N.Y.

 BAUMER, HERBERT S. (M'56), Mgr., H. Baumer, Elektro-Apparatebau, Frauenfeld. Switzerland.

 BAUMGARDNER, PAUL E. (A'54-M'56), Electronics Engr., RCA. Moorestown, N.J.

 BAUMGARTE, PAUL H. (A'53-M'56), Assoc. Engr., IBM, Poughkeepsie, N.Y.

 BAUMGARTNER, D. LEON (M'55), Design Engr., Boeing Airplane Co., 7755 E. Marginial Way, Seattle 24, Wash. BAUMGARTNER, HANS E. (M'5B), Elec. Engr., Standard Telephones & Cables Mfg. Co., Montreal, P.Q., Canada. BAUMGARTNER, JOHN G. (A'577), Design Engr., Manson Labs., 207 Greenwich Ave., Stamford, Conn.

 BAUMGARTNER, OLF H. (A'58), Mgr., Administrative Services, IBM Research Lab., Zurichstr. 10B, Adliswil-Zurich, Switzerland.
- BUMGARTNER, WALTER S. (M'51-SM'53), Chief Engr., American Electronics, Inc., 2112 Chico Blvd., El Monte,

- Calif.

 BAUMGARTNER, WILLIAM H. (A'47-M'55), Sr. Dev. Engr., Burroughs Corp., Plymouth, Mich.

 BAUMLER, FRANCIS R. (A'52-M'57), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 BAUMGEL, DAVID (S'47-A'52-M'58), Head, Test Engra., Lab., Olympic Radio & Television Co., Inc., 24-01 3B. Ave., Long Islamd City 1, N.Y.

 BAUMUNK, JON F. (S'54-M'55), Research Engr., RCA Labs., Princeton, N.J.

 BAUMUNK, FDWARDI. (1'26-A'29-VA'39) Photographer
- BAUNACH, EDWARD L. (J'26-A'29-VA'39), Photographer, News Syndicate Co., Inc., 220 E. 42 St., New York 17, N.Y.

- NY.

 BAURLE, HERBERT F. (S'56-M'5B), Mem. Tech. Staff. Bell Tel Labs., Whilpoany, N.J.

 BAUSS, H. HERBERT (A'47, Plastics Dev. Engr., The Dow Chemical Co., Midland, Mich.

 BAWDEN, HERNEY G. (A'47-M'4B), Instr., Tech. Div., USASCS, Officers Dept. Signal Corps Center, Dept. of the Army, Ft. Monmouth, N.J.

 BAURLE, HERBERT F. (S'56-M'58), Mem. Tech. Staff, Bell Tel Labs., Whilpoany, N.J.

 BAWDEN, HERNY G. (A'47-M'4B), Instr., Tech. Div., USASCS, Officers Dept. Signal Corps Center, Dept. of the Army, Ft. Monmouth, N.J.

 BAWBER, LEON I. (A'47-M'50-SM'55), Sales & Mkto., Avion Div., ACF Industries, Inc., 11 Park Pl., Paramus, N.J.

 BAWER, ROBERT (S'47-A'50), Lab. Div. A.G.A. Corp.

- N.J.

 BAWER, ROBERT (S'47-A'50), Lab. Dir., A.G.A. Corp.,
 1914 Duke St., Alexandria, Va.

 BAWOROUSKI, JOHN, JR. (A'56), Jr. Electronics Engr.,
 Litton industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 BAXLEY, WALTER E. (A'54), TV Studio Supvr., KFJZ-TV,
 Ft. Worth, Tex.
- Ft. Worth, Tex.

 BAXTER, CHARLES L. (A'44), Project Mgr., 1TT
 Components Div., 100 Kingsland Rd., Clifton, N.J.

 BAXTER, CLYDE W. (S'56-M'57), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 BAXTER, DEMMER D. (M'59), 4521 Tower Grove Pl.,
 St. Louis 10, Mo.
- BAXTER, DUANE W. (A'57), Staff Engr., IBM,

- Kingston, N.Y.

 BAXTER, ERIC G. (M'53), Sr. Telecommunications Officer, RCAF, RCAF Sta., Edgar, Ont., Canada.

 BAXTER, FRANK C., JR. (S'5D-A'54-M'58), Electronics Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 BAXTER, GLENN I. (A'59), Tech. Asst., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.

 BAXTER, HARRY R. (M'58), Engr., Quality Assurance, Western Electric Co., 195 Broadway, New York, N.Y.

 BAXTER, JACK L. (S'54-A'57), Electronics Engr., U. S. Govt., Washington, D. C., Home: 6011 Cairn Ter.,

 Bethesday, Md.

 BAXTER, KENNETH W. (MISO) Service State State
- BAXTER, KENNETH W. (M'59), Specialist, Magnetic Tape Conversion, GE Co., 319B Chestnut St., Philadelphia 4,
- Pa.

 BAXTER, LEDYARD M. (A'51-M'57), Washington District Mgr., Electronic Engra. Co. of California, 1101 Vermont Ave., N. W., Washington 5, D.C.

 BAXTER, WILLIAM D. (A'51-M'56), Capt., USAF, Evaluation Officer, Test Requirements Div., Plans & Programs, Air Proving Ground Center, Eglin AFB, Fla.

 BAY, FLOYD H. (M'57), Exchange Plant Ext. Engr., The Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland 4, Ore.

 BAY, ROBERT J. (A'4B), V.P., Warren Radio Co., 1002 Adams, Toledo 1, Ohio.

- Adams, Toledo 1, Ohio.
 BAY, THOMAS H. (M¹5B), Sales Mgr., Fairchild Semiconductor Corp., B44 Charleston Rd., Palo Alto, Calif.
 BAY, ZOLTAN L. (SM¹57), Physicist, Natl. Bureau of
 Standards, Washington 25, D.C.
 BAYER, IRVING (A¹52-M¹56), Project Engr., Skiatron
 Electronics & Television Corp., 1BO Varick St., New York
 14 N.V.
- BAYER, JOHN A. (A'58), Instrumentation Technician, U.S. Army Civil Service, White Sands Missile Range, N.M. BAYER, WILLIAM L. (SM'56), Mgr., Mktg. Military Prods., Electronics Div., Stromberg-Carlson Co., 1400 N. Goodman Electronics Div., Stro St., Rochester, N.Y.

- BAYLESS, CHARLES R. (S'55-A'56-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Box 5555, Tucson, Ariz. BAYLESS, HARVEY A. (M'56), Subvy. Electronics Engr. Ground Electronic Engrg. Installation Agnecy, USAF, Rom
- BAYLESS, HUGH (S'55-A'57), Engr., George Washington Univ., Human Research Unit, Box 7B7, Presidio of Monterey, BAYLEY, LLOYD B., JR. (A'56), Dynamics Engr., Convair, San Diego, Calif.
- San Diego, Calif.

 BAYLEY, RUPERT M. (S'4B-A'49-M'5B), Elec. Engr.,
 Debt. of Water & Power, City of Los Angeles, 2D7 S.
 Broadway, Los Angeles, Calif.

 BAYLIS, GREGORY F. (A'43-M'55), Mgr., Radio Relay,
 Engrs. Div., RCA Victor Co., Ltd., 10D1 Lenoir St.,
 Montreal, P.Q., Canada.
- Montreal, P.Q., Canada.
 BAYLISS, BERNARD F. (S'57-M'5B), Electronics Scientist,
 NADC, Johnsville, Pa.
 BAYLISS, ROBERT E. (M'55), Dev. Engr., Sylvania Elec.
 Prods., Inc., Woburn, Mass.

- Prods., Inc., Woburn, Mass.

 BAYLOR, ARTHUR D. (SM*56), Mgr., Engrg. Services, Avco Mfg. Corp., Crosley Div., 1329 Arlington St., Cincinnati 25, Ohio.

 BAYLOR WALTER R. (A'56), Patent Atty., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va.

 BAYLY BENJAMIN DEF. (M'34–SM*43–F'47), Pres., Bayly Engrg., Ltd., Hunt St., Ajax, Ont., Canada.

 BAYNARD, JOSEPH S., JR. (S'55–M'57), Engr., Western Electric Co., Burlington, N.C.

 BAYSTON, THOMAS E. (A'52–M'57), Asst. Project Engr., Martin Co., Orlando, Fia.

 BAZAN, STEVEN J. (S'53–A'55), Antenna Engr., RCA, Camden 2, N.J.

- Camden 2, N.J.

 BAZARD, RICHARD J. (M'5B), Sr. Project Engr., Datex
 Corp., 13D7 S. Myrtle, Monrovia, Calif.

 BAZYLEYSKY, GRORGE (S'57-M'5B), Engr., ITT Labs.,
 Nutley 10, N.J.

 BAZZY, WILLIAM (M'5B), Publisher, Microwave Journal,
 Roston, Mass.
- Boston, Mass.
 BEABOUT, EDGAR G. (S'56-M'59), Maint. & Supply
 Officer, 2004 AACS Sqdn., APO 121, New York, N.Y.
 BEACH, ARTHUR R. (A'42-SM'45), Tech. Adviser,
 Radiation, Inc., Melboume, Fla.: Electronics Consultant,
 Beach & Associates, 1315 Indian River Dr., Eau Gallie,
- Fla.
 BEACH, EUGENE H. (M'46), Physicist, Naval Ordnance
 Lab., White Oak, Silver Spring, Md.
 BEACH, HAROLD W. (A'41-M'53), Research Engr., ITT
 Labs., 3700 E. Pontiac St., Ft. Wayne, Ind.
 BEACH, JOHN B. (S'49-A'50-M'55), Assoc. Electronics
 Engr., Cornell Aeronautical Lab., Inc., 4455 Genesee St.,
 Buffalo, N.Y.
- Buffalo, N.Y.

 BEACH, OLEN R. (M'5B), Sect. Chief, Engrg., Western Electric Co., Lexington Rd., Winston-Salem, N.C.

 BEACH, ROBIN (SM'51), Robin Beach Engrs, Associated, 32 Court St., Brooklyn 1, N.Y.

 BEACHLER, ROBERT R., JR. (SM'54), Dir., Engrg., Leach Corp., 18435 Susana Rd., Compton, Calif.

 BEADLES, ROBERT V. (M'59), Asst. Genl. Mgr., Engr., Dir., KGEM, IMN Productions, Box 415B, Boise, Idahon.
- Dir., KGEM, IMN Productions, Box 4175, Boise, Idario.

 BEAGLES, ROBERT (S'41-A'42-SM'48), Mgr., Systems Engrg., RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.
- Calif.

 BEAHR, ARTHUR W. (A'54), Head Engr., Electronics Office, U.S. Naval Ship Repair Facility, SRF Box B, Navy 3923, FPO, San Francisco, Calif.
- 10c, U.S., Naval Ship Repair Facility, 2023, FPD, San Francisco, Calif.

 BEAIRSTO, ROBERT J. (S'5B-M'59), 17410 Maple Valley Hwy., Renton, Wash.

 BEAL, EDWARD W. (M'50), Sr. Project Engr., Roth Lab. for Physical Research, 1240 Main St., Hartford 3, Conn.

 BEALEY, CHARLES F. (A'59), Engr., Western Electric Co., 220 Church St., New York, N.Y.

 BEALL, ANSLEY (S'54-M'57), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 BEALL, LUTHER S. (A'57), Owney, Calif. Service, 510 E.B ST., Texarkana, Ark.

 BEALL, EICHARD B. (S'54-A'55), Prod. Service, HMED, GE Co., Syracuse, N.Y.

 BEALLE, DONALD F. (S'54-A'56), Communications Design Engr., B. C. Engrg. Co., Ltd., 570 Dunsmuir St., Vancouver 2, B.C., Canada.

 BEALS, ERNEST H. (M'57), Elec. Engr., Raytheon Mfg.

- couver c, p.C., vanada.

 BEALS, ERNEST H. (M'57), Elec. Engr., Raytheon Mfg.
 Co., Wayland, Mass.

 BEALS, ETHAN L. (S'50-A'51), Designer "B," Pilotless
 Aircraft Div., Boeing Airplane Co., Box 3925, Seattle 24,
 Wash.
- BEAM, LLOYD W. (A'54), Sr. Research Engr., Crosley Div., AVCO Mfg. Co., 1329 Arlington St., Cincinnati 39, Ohio
- 39, Ohio.

 BEAM, ROBERT E. (S'37-A'41-SM'44-F'56), Prof., Elec. Engrg., Northwestern Univ., Evanston, III.

 BEAM, WALTER R. (A'50-M'55-SM'5B), Dept. Head, Elec. Engrg., Rensselaer Polytechnic Institute, Troy, N.Y.

 BEAMAN, LARRY W. (S'57-M'59), Electronics Engr., USAF, GEEIA, Griffiss AFB, N.Y.

 BEAMAN, WILLIAM G. (A'45), Mng. Partner, Industria Electronica Noyik, Ltda., Caixa Postal 74B3, Sao Paulo, Razili.
- BEAMER, CLIFFORD M. (M'5B), Engr., Collins Radio Co.,
- Cedar Rapids, lowa. (M'DB), Engr., Collins Radio Co.
 BEAMER, FRED E. (A'54), Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.
 BEAMICH, A.M. (A'54)

- Great Neck, L.1.N., Y. Sperry Gyroscope Cd., Great Neck, L.1.N., Y. BEAMISH, JOHN G. (A'57-M'5B), Materiel Mgr., Research & Dev., Hughes Altract Co., Culver City, Calif. BEAMS, CHARLES E. (M'57), Supvr., Prod. Analysis, GE Co., Utica, N.Y.
 BEAMSLEY, GEORGE V. (S'52-A'53), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif. BEAN, BRADFORD R. (A'56), Chief, Radio Meteorology Sect., Natl. Bureau of Standards, Boulder, Colo. BEAN, DAVID A. (S'56-M'5B), Lt.1g., USNR, USN, Bremerton Group, Pacific Reserve Fleet, PSNS, Bremerton, Wash).
- Wash

 8EAN, EDWARD W., JR. (S'51-A'54), Standards Engr.,
 Sperry Electronic Tube Div., Gainesville, Fla.

 BEAN, FRANKLIN E. (S'50-A'51-M'56), Sr. Engr.,
 Sanders Associates, Inc., 95 Canal St., Nashua, N.H.
 BEAN, HAROLD T. (M'57), Mgr., Engre, Services Div.,
 Telecomputing Corp., Box 447, Holloman AFB, N.M.

- BEAN, HARRY C., JR. (A'56-M'57), Engrg. Supvr. for Germany, American Forces Network, Europe, Burggraben 1, Frankfort a/m, Hoechst, Germany.
- BEAN, JAMES A. (A'56), 7941 S. Yale Ave., Chicago 20,
- BEAN, JAMES D.C. (M'5B), Training Officer, Guided Mis-sile Courses, Naval Air Technical Training Center, Jack-sonville 13, Fla.
- SONVIIE 13, Fia.

 BEAN, LAWRENCE M. (S'57-M'59), Asst. Engr., Westinghouse Electronics Div., Baltimore, Md.

 BEAN, LESLIE P. R. (M'36-SM'43), Governing Dir.,

 Stromberg-Carlson Australasia Proprietary, Ltd., 11B-124

 Bourke Rd., Alexandria, Sydney, Australia.
- BOUNCE KO., Alexandria, Sydney, Australia.
 BEAN, ORVILLE E. (4'50-M'55), Project Mgr., National
 Co., 111 Washington St., Meirose 76, Mass.
 BEAN, REX C. (S'4B-A'52-M'57), Asst. Chief Engr.,
 Tamar Electronics, Inc., 2239 Cotner Ave., Los Angeles
 64, Calif.

- 64, Calif.
 BEAN, RICHARD C. (S'51-A'52-M'57), Test Engr.,
 Convair, Ft. Worth, Tex.
 BEAN, ROBERT N. (A'47-M'55), Electronics Engr., Convair, Daingerfield, Tex.
 BEAN, RUSSEL H. (S'46-A'49-M'57), Design Group Head,
 Raytheon Mg. Co., Wayland, Mass.
 BEAN, THOMAS C. (M'156), Sr. Dev. Engr., Lenkurt Electric Co., 1105 DId County Rd., San Carlos, Calif.
- tric Co., 1105 Did County Rd., San Carlos, Calif.
 BEAN, WENDELL C. (5:55-A'56-M'58), Engr., Westing-house Elec. Corp., Bettis Field, Pittsburgh, Pa.
 BEANE, EDWIN A. (M'56), Principal Supvr., Program Dev. Branch, USN, 2
- BEANE, JAMES M. (SM'58), Project Fngr., Electronics, U.S. Army Signal Supply Agency, 225 S. 18 St., Phila-delphia 3, Pa.
- ocipina 3, 74.

 BEANE, MERRICK I. (S'57-A'5B), Field Service Rep., GE
 Co., Syracuse, N.Y.
 BEANE, THEODORE E. (S'4B-A'50-M'55), Project Engr.,
 Philco Corp., 4700 Wissahickon Ave., Philadelphia 44.,
- Pa.

 BEANS, JAMES B. (S'50-A'53-M'59), Engr., Collins
 Radio Co., 2700 W. Olive, Burbank, Callf.

 BEAR, DALE R. (S'52-A'54), Engr., GE Co., Syracuse,

- N.Y.
 BEAR, NEAL (A'47), Pres., Neal Bear Corp., 3435 Streets-boro Rd., West Richfield, Ohio.
 BEARCE, EASTON J. (S'57-A'5B), Transmitter Engr., WMT-TV, Old Marion Rd., Cedar Rapids, Iowa.
 BEARCE, LOREN S. (A'51), Electronics Scientist, Naval Research Lab., Washington 25, D.C.
 BEARD, ARTHUR D. (S'46-A'50-M'5B), Mfg., Digital Systems Engrg., RCA, Camden, N.J.
 BEARD, CHARLES E. (A'35-VA'39-M'55), Project Engr., Dept. Chief, Western Electric Co., Chatham Rd., Winston-Salem, N.C.
 BEARD, CHARLES E. (S'5D-A'51-SM'57), Mgr., Air
- Salem, N.C.

 BEARD, CHARLES E. (S'5D-A'51-SM'57), Mgr., Air Force Equipment, HMED, GE Co., Syracuse, N.Y.

 BEARD, CHARLES I. (SM'56), Engrg. Specialist, Electronics Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 BEARD, EUGENE M. (A'54), Capt., USAF, Staff Communications & Electronics Officer, Communications Div., Hgrs. 2nd. Air Force, Barksdale AFB, La.
- Zno. Air Force, Barksquie AFD, La.
 BEARD, GEORGE W. (4F5-M*158), Engr., Hallamore Electronics Co., B352 Brookhurst Ave., Anaheim, Calif.
 BEARD, MASTON (A'4D-M*55), Principal Research Officer, Commonwealth Scientifice & Industrial Research Organization, Radio-physics Lab., Univ. Grounds, Sydney,
- N.S.W., Australia.
 BEARD, MORRIS R. (SM'56), Genl. Mgr., West Coast Div.,
 Magnetic Ampliflers, Inc., 136 Washington St., El Segundo, Calif.
- BEARDSLEY, RAYMOND R. (M'52-SM'57), Staff Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- BEARDSWORTH, RICHARD (S'47-A'49), Sr. Project Engr., Reeves Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y.

- L.I., N.Y.
 BEARDWOOD, JOSEPH T., III (A'52-M'57), Staff Engr., Genl. Attronics, 1 Bala Ave., Bala Cymwyd, Pa.
 BEARER, PAUL J. (SM'57), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N. J.
 BEARINGER, VAN W. (A'54), Assoc. Dir., Research,
 Minneapolis-Honeywell Regulator Co., 500 Washington
 Ave., S., Hookins, Minn.
 BEARMAN ALFXANDEP I. (C'55-A'54), Franz. Allan B.
- Ave., S., Hopkins, Minn.

 BEARMAN, ALEXANDER L. (S'55-A'56), Engr., Allen B.

 DuMont Labs., Inc., 750 Bloomfield Ave., Clifton, N.J.

 BEARSCOVE, KARL O. (M'57), Engr., Philoc Corp., C &

 Tioga Sts., Philadelphia, Pa.

 BEARUP, THOMAS W. (M'27-SM'43), Overseas Rep.,

 Australian Broadcasting Commission, 54 Portland Pl., London W. 1, England.

 BEASLEY RABMES (CIST. MEG).

- don W. 1, England.
 BEASLEY, BARNES (S'57-M'59), Flight Test Engr., Convair, Ft. Worth, Tex.
 BEASLEY, BERTRAM C. (M'56), Electronics Systems Engr., Avro Aircraft, Ltd., Malton, Ont., Canada.
 BEASLEY, WILLIAM A. (A'44-SM'49), Col., Signal Corps., Office Defense Mobilization (Telecommunications), 17 & Pennsylvania Ave., N.W., Washington 25, D.C.
- BEATIE, ROBERT N. (M'56), 2859 Ramona, Palo Alto,
- BEATON, HARRY F. (M'58), Sr. Elec. Engr., ITT Labs., Nutley 10, N.J.
- BEATON, RAYMOND J. (A'5B), Salesman, Wholesale Appliances, Ltd., B401 Fraser St., Vancouver, B.C., Canada.
- BEATREZ ROBERT A. (S'51-A'54), Electronics Engr., San Francisco Naval Shipyard, San Francisco 24, Calif. BEATRICE, ROBERT W. (A'5B), Radio-Electronics Instr., USAF, Scott AFB, III.

- USAF, Scott AFB, III.
 BEATTIE, CLARE L. (A'55), Dev. Engrg., GE Co.,
 Schenectady, N.Y.
 BEATTIE, DAVID (M'57), 1606 Chippendale Rd., Box 5B5,
 Ciarkson, Ont., Cumada.
 BEATTIE, HORACE S. (A'52-SM'57), Mgr., Engrg., Elec.
 Typewriter DIv., IBM, Northern Beltline Hwy., Lexington,
 Ky.
- RY.

 BEATTIE, JOHN M. (M'57), Systems Engr., Remington
 Rand Univac, Wilson Ave., South Norwalk, Conn.
 BEATTIE, JOHN W. (M'5B), Research Assoc., Sloan-Kettering Institute, 410 E. 6B St., New York 21, N.Y.

- BEATTIE, LYNN A. (A'53-M'5B), Assoc. Prof., Univ. of Idaho, Moscow, Idaho.
 BEATTY, CHARLES G. (S'41-A'45-M'55), Head, Torpedo Development Div., U. S. Naval Ordnance Test Sta., 3202 E. Foothill Blvd., Pasadena 8, Calif.
 BEATTY, HARRY J., JR. (A'54), Project Engr., Semi-conductor Research, IBM, Poughkeepsle, N.Y.
 BEATTY, PHILIP H. (M'59), Physicist, Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.
 FEATTY, POREPT W. (S'42, AUG. MIGO. CHICA), Chick

- Tioga Sts., Philadelphia 34, Pa.
 BEATTY, ROBERT W. (S'43-A'45-M'50-SM'53), Chief,
 Microwave Circuit Standards Sect., Natl. Bureau of Standards,
 Boulder, Colo.
 BEAU, JOHN F. (A'52-M'57), Supvr., Autonetics Div.,
 No. Amer. Aviation, Downey, Calif.
 BEAUBIEN, WILLIAM H. (M'58), Mgr., Advance Engrg.,
 Radio Receiver Dept., GE Co., Ulica, N.Y.
 BEAUCHAMP, ALFRED J. (M'52-SM'59), Electronics
 Scientist, Control Lab., Rome Air Development Center,
 Griffiss AFB, N.Y.
 REAUCHAMP, ERANCIS A. (S'49-A'50), Ergs., Paging

- BEAUCHAMP, FRANCIS A. (S'49-A'50), Engr., Boeing Airplane Co., Seattle, Wash.

- Aimlane Co., Seattle, Wash.

 BEAUCHEMIN, ARNOLD K. (A'42-M'49), Electronics
 Engr., 314 Lees Ave., Collingswood 7, N.J.

 BEAUCHESNE, LOUIS-ALFRED (S'44-A'47-M'55), Prof.,
 Univ. of Ottawa, Laurier Ave., E., Ottawa 2, Ont., Canada.

 BEAUDETTE, CHARLES G. (S'50-A'53-M'56), Pres.,
 Dychro Corp., 125 Mt. Auburn St., Watertown 72, Mass.

 BEAUDINE, DONALD M. (A'47-M'56), Electronics Engr.,
 Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- BEAUDOIN, DONALD W. (S'49-A'50-M'56), TV Engr., Philoo Corp. of Canada, Don Mills Rd., Toronto, Ont.,
- BEAUDOIN, LEONARD W. (A'54-M'59), Research Engr., Allen Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
- BEAUMONT, WARREN H. (M'57), Planning Engr., Bell Tel. Co. of Pennsylvania, 1835 Arch St., Philadelphia 3, Pa. BEAULIEU, ANDREW J. (A'53), Traffic Engr., Chesapeake & Potomoc Telephone Co., 725 13 St., N.W., Washington 5, D.C.
- BEAULIEU, BERNARD A. (A'56), Systems Design Engr., ITT Federal Div., 3702 E. Pontiac St., Ft. Wayne,
- Ind.
 BEAULIEU, DONAT E. (A'54), Design Engr., RCA,
 Camden, N.J.
 BEAULIEU, J. W. R. (A'44-M'45), Tech. Supvr., CBFFMCBMFM-CBFT-CBMT Transmitters, Canadian Broadcasting
 Corp., 11751 St. Evariste St., Montreal, P.O., Canada.

- CSMF M-CBFT-CBMT Transmitters, Canadian Broadcasting Corp., 11751 St. Evariste St., Montreal, P.O., Canada. BEAULIEU, JACQUES A. (M'56), Scientific Service Officer, C.A.R.D.E., Defence Research Board, Quebec, P.Q., Canada. BEAULIEU, JOSEPH P. (A'56), METU-5, Box 109, U.S. Naval Sta. San Diego 36, Calif. BEAUMARIAGE, DONALD C. (S'46-M'50), Mgr., Systems Projects, Missiles, Electronics & Controls Dept., RCA, Burlington, Mass. BEAUMONT, GEDRGE F. (A'48-M'51-SM'58), Tube Application Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ort., Canada. BEAUMONT, WARREN H. (M'57), Planning Engr., Bell Tel. Co. of Pennsylvania, 1835 Arch St., Philadelphia 3, Pa. BEAUREGARD, LEO P. (A'5B), Lab. Technician, IBM, Burlington, Vt. BEAUREGARD, WILFRED G. (S'51-A'53-M'58), Electronics Engr., Raytheon Mfg. Co., Wayland, Mass. BEAUSOLEIL, WILLIAM F. (S'55-M'57), Assoc. Engr., IBM, Owego, N.Y. BEAVER, ARNOLD R. (A'56-M'5B), Mgr., Electronics Mkt.

- IBM, Owego, N.Y.

 BEAVER, ARNOLD R. (A'56-M'5B), Mgr., Electronics Mkt.
 Dev., Addressograph-Multigraph Corp., 1200 Babbitt Rd.,
 Cleveland 17, Ohio.

 BEAVER, HAROLD E. (A'52-M'57), Sr. Engr., Martin
 Co., Box 179, Denver 1, Colo.

 BEAVER, HAROLD E. (M'51), Group Engr., Philoc
 Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 BEAVER, MURRAY W. (A'53-M'57), Sr. Engr., The
 Kybernetes Corp., 263 Classon Ave., Brooklyn, N.Y.

 BEAVER, VICTOR H. (A'58), Maint. Officer, Transmitter
 Plant, USAF, Home: Box 158, Waimanalo, Oabu, Hawaii.

 BEAVER, WILLIAM L. (S'47-A'4B-M'55), Mgr., Tube
 Ressearch, Varian Associates, 611 Hansen Way, Palo
 Alto, Calif.
- AICO, CAIII.

 BEAVERSON, WAYNE A. (S'46-A'49-M'55), Chief Engr.,
 Electro-Voice, Inc., Buchanan, Mich.

 BEAZELL, HARRY L., JR. (S'48-A'50-M'54), Sr.
 Systems Engr., Bendix Aviation, Prod. Div., 400 S.
 Beiger St., Mishawaka, Ind.

- Beiger St., Mishawaka, Ind.

 BEBAK, VINCENT F. (A'56), Design Engr., ConvairAstronautics, San Diego 7, Calif.

 BEBEE, MELVIN G. (M'57), Engr., Collins Radio Co.,
 Cedar Rapids, Iowa.

 BEBOW, ROBERT W. (M'56), Elec. Project Engr.,
 Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.
 BECCHETTI, FRANK J. (A'47), Quality Control Analyst,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BECCHINA, JOSEPHA. (M'58), Assoc. Engr., Prod.
 Dev., RCA, 415 S. 5 St., Harrison, N.J.

 BECHER, WILLIAM D. (A'52-M'56), Staff Engr., Bendix
 Aviation Systems Div., 3300 Plymouth Rd., Ann Arbor,
 Mich.

 BECHER, WILLIAM E. (M'57), 39 Osk Hill Rd., Chapter

- BECHER, WILLIAM E. (M'S7), 39 Oak Hill Rd., Chappaqua,

- N.Y.

 BECHLER, WILLIAM C., JR. (A'28-VA'39), Retired,
 Box 1925, Ft. Myers, Fla.

 BECHMANN, RUDOLF (SM'54), Consultant Physicist,
 U.S. Army Signal Research & Development Labs., Frequency
 Control Div., Electronic Components Research Dept., Ft.
 Monmouth, N. J.

 BECHTEL, BARTOW (S'42-A'46), Sr. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 BECHTEL, MARLEY E., JR. (S'54-M'56), Asst. Electronics Engr., Cornell Aeronautical Lab., 4455 Genesee
 St., Buffalo 25, N.Y.

 BECHTEL CHRISTIAN G. (M'57). Chief Transmission Man.
- BECHTLE, CHRISTIAN G. (M'57), Chief Transmission Man, Pacific Telephone & Telegraph Co., 1629 Market St., Red-
- BECHTOL, HAROLD D. (SM'57), 2707 Smith Dr., Endwell,
- BECHTOLD, GEORGE W. (M'57), Engr., RCA, Moorestown,

- 88 ~

- BECHTOLD, IRA C. (A'41-SM'51), Consultant, 19B7 Skyline Vista Dr., La Habra, Calif BECK, ALFRED. C. (A'30-SM'46-F'5B), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. BECK, ALOIS T. (S'49-A'51-M'56), Project Engr., CBS, 485 Madison Ave., New York, N.Y. BECK, ARNOLD H. W. (S'36-A'39-M'55), Lecturer, Engrg. Dept., Cambridge Univ., Trumpington St., Cambridge, England.
- BECK, AUGUST J. (S'47-A'50-M'58), 80-14 1B9 St., Jamaica, L.I., N.Y.
- Jamaica, L.I., N.Y.
 BECK, CHARLES, JR. (M'59), Sales Mgr., Electronics Div.,
 Moeller Instrument Co., Inc., 132 St. & B9 Ave., Richmond
 Hill, L.I., N.Y.
 BECK, CHARLES H. (M'59), Instr., Elec. Engrg., Univ. of
- Kansas, Lawrence, Kan.
- Kansas, Lawrence, Kan.
 BECK, CHARLES L. (A'54), Sales, McNicol, Inc., 3012
 Yandell, El Paso, Tex.
 BECK, CYRUS (A'53), Head, Automatic Controls Branch,
 Aeronautical Instruments Lab., Naval Air Development Center,
 Johnsville, Pa.

- BECK, DAVIS H. (A'46-M'50-SM'52), Design Supvr., Hazeltine Electronics Div., Little Neck, L.I., N.Y.
 BECK, EARL R., JR. (S'49-A'52), Engr., Bendix Aviation Com., Box 5115, Detroit 35, Mich.
 BECK, EMANUEL A. (S'47-A'49-M'55), Project Supvr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

- Spring, Md.

 BECK, FRANCIS X., JR. (M'56), Elec. Engr., RCA Moorestown, N.J.

 BECK, FREDERIC E., JR. (S'56-M'59), Lt., USN, USS Valley Forge (CVS-45), FPO, New York, N.Y.

 BECK, FREDERICK F. (S'55-M'56), Electronics Material Officer, USS Rich (DDE 820), FPO, New York, N.Y.

 BECK, GEORGE A. (S'56-M'58), Mem. Tech. Staff, RCA Labs., Princeton, N.J.

 BECK, GEORGE R. (SM'55), Staff Engr., Radioplane Co., 8000 Woodley Ave., Van Nuys, Calif.

 BECK, GEORGE S. (451-M'56), Owner, George Stephen

- 8000 Woodley Ave., Van Nuys, Calif.
 BECK, GEORGE S. (A'51-M'56), Owner, George Stephen
 Beck, 55 E Bedell St., Freeport, L.I., N.Y.
 BECK, HARRY M. (A'56), Motion Picture Projectionist, Hoyts
 Theatres, Ltd., Rundle St., Adelaide, South Australia.
 BECK, HUGO M. (A'37-M'48), Mathematician, Naval Research
 Lab., Washington 25, D.C.
 BECK, JACK H. (M'58), Sr. Sales Engr., Corning Glass
 Works, Electronic Components Dept., 1470 Merchandise
 Mart, Chicago 54, Ill.
- Man, Chicago 54, III.

 BECK, JOHN J. (SM'55), Exec. V.P. Avionics Corp. of America, Maple Ave. & Horsham Rd., Horsham, Pa. BECK, JOHN W. (S'50-A'51-M'56), Staff Engr., IBM, San Jose, Calif.

 BE CK, KENNETH H., JR. (A'44-M'55), Research Engr., Minneapolis-Honeywell Regulator Co., Wayne & Windrim Aves., Philadelphia 44, Pa.
- BECK, LEONARD (\$'47-4'51-M'55), Head, Digital Systems Sect., Ground Systems Group, Hughes Aircraft Co., Fullerton,
- BECK, MERVIN R. (M'57), Principal Engr., Bendix Aviation Corp., York, Pa.

- BECK, MERVIN R. (M'57), Principal Engr., Bendix Aviation Corp., York, Pa.
 BECK, RENOLD R. (S'57-M'59), Design Engr., Sun Electric Corp., 6323 N. Avondale, Chicago, III.
 BECK, ROBERT J. (A'46-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 BECK, ROBERT M. (M'59), Design Engr., Tektronix, Inc., Box 831, Portland 7, Ore.
 BECK, VICTOR W. (S'46-A'5D-M'58), Sr. Research Engr., Minneapolis-Honeywell Regulator Co., Aero Div., 2600
 Ridgeway Rd., Minneapolis, Minn.
 BECK, VIRGIL R. (SM'49), Engr.-in-Chg., Home Receiver Div., Zenith Radio Corp., 6001 Dickens Ave., Chicago, III.
 BECK, WILLIAM L. (S'57-M'57), Elec. Engr., Research & Dev., USAF, Natl. Security Agency, Ft. Meade, Md.
 BECKEN, EUGENE D. (S'32-A'35-M'46), V.P., Operations Engrg., RCA Communications, Inc., 66 Broad St., New York 4, N.Y.

- BECKENSTEIN, MURRAY (S'51-A'52-M'57), Engr., PAD, Boeing Airolane Co., Seattle, Wash.
 BECKER, CARL H. (M'57), Dir., Radiation Physics, Trionics Corp., Box 548, Madison, Wis.
 BECKER, CARL L. (A'55), Leader, Engrg. Systems Projects, RCA, Surface Communications Systems, 2720 E. Broadway, Turson. Air
- BECKER, CHARLES H. (S'55-M'57), Elec. Engr., Missile Ground Control, Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore 27, Md.

- Ground Corrol, Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore 27, Md.

 BECKER, CHARLES M. (S'57-A'59), Sr. Test Specialist, ERCO, Riverdale, Md.

 BECKER, DON R. (S'50-A'53-M'58), Sr. Test Engr., Hoffman Labs., Inc. 3761 S. Grand., Los Angeles 7. Calif.

 BECKER, DONALD A. (S'57-M'59), Sr. Prod. Service Rep., GE Co., Syracuse, N.Y.

 BECKER, DONALD E. (S'56-M'58), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 BECKER, FLOYD K. (A'53-SM'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BECKER, FREDERICK C. (S'57-M'58), Test Equipment Engr., Reliability Group, Military Electronic Computer Div., Burrough's Corp., 14300 Tireman, Detroit 28, Mich.

 BECKER, GORDON E. (SM'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BECKER, HALC S. (S'43-A'44-M'56), V.P., Engrg., Precon Process & Equipment Corp., 6855 Milne St., New Orleans, La.

 BECKER, HANS A. (M'56), Research Engr., Electronics,

- Orleans, La.

 BECKER, HANS A. (M'56), Research Engr., Electronics, Lockheed Aircraft Corp., Palo Alto, Calif.

 BECKER, HAROLD D. (A'55), Research Elec. Engr., Cornell Aeronautical Lab., Buffalo 21, N. Y.

 BECKER, HAROLD W. (A'43-M'46-SM'57), Consultant, 1214 N. 34 St., Omaha 3, Neb.

 BECKER, HARRY W. (A'43-M'46-SM'57), Consultant, 1214 N. 34 St., Omaha 3, Neb.

 BECKER, HARRY W. (A'40-M'46), Chief Engr., Harry W. Becker & Associates, 1103 N. Pulaski Rd., Chicago 51, III.

 BECKER, HENRY R. (A'53), Sales Engr., All Craft Metals Corp., 72-14 48 Ave., Woodside 77, L.1., N.Y.

 BECKER, HERBERT (M'53), Owner, Herb Becker Co., 1140 Crenshaw Blvd., Los Angeles 19, Calif.

 BECKER, JEAN P. (S'57-M'58), Assoc. Engr., Remington Rand Univac, South Norwalk, Conn.,

 BECKER, JOEL E. (S'53-M'56), Dev. Engr., Wheeler Labs., Inc., Great Neck, L.1., N.Y.

- BECKER, JOHN A. (SM'57), Supvy, Engr., Carrier Apparatus Design, Westinghouse Elec. Corp., Box 7425, Halethorpe

- Design, Westinghouse Elec. Corp., Box 7425, Halethorne 27, Md.

 BECKER, LAZAR (A'53-M'59), Sr. Microwave Engr., Polytechnic Research & Development Co., 202 Tillary St., Brooklyn I, N.Y.

 BECKER, LEWIS E. (S'56-M'58), Assoc. Engr., Automatic Controls Sect., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.

 BECKER, NATHAN (S'49-A'55-M'57), Design Engr., American Bosch Arma Corp., Arma Div., Garden City, L.I., N.Y.

 BECKER, RALPH H. (S'49-A'50), Electronics Scientist, Navigation Branch, Weapons Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 BECKER, RICHARD C. (S'53-M'57), Asst. Prof., Elec. Engrg., Univ. of Illinois, Jurbana, 118.

 BECKER, STANLEY (A'50-M'55), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 BECKER, STEWART (SM'58), Prof., Elec. Engrg. Dept., Univ. of Airzona, Tucson, Ariz.

 BECKER, W. RUSSELL (M'58), Supt, & Engr., City of

- BECKER, W. RUSSELL (M'58), Supt, & Engr., City of Chicago, Dept. of Streets & Sanitaton, Bureau of Electricity, 2322 S. Ashland Ave., Chicago 8, III.
- 2322 S. Ashland Ave., Chicago 8, III.

 BECKER, WALTER C. (M'58), Engr., Nonthrop Aircraft, Inc., Hawthorne, Calif.

 BECKER, WILLIAM E. JR. (S'49-A'50-M'55), Electronics Engr., Bureau of Ships, Debt. of the Navy, Constitution Ave., Washington 25, D.C.

 BECKER, WILLIAM J. (A'58), Operational Requirements Officer, USAF, Hgrs., Pentagon, Washington 25, D.C.

 BECKER, MAN, LEO M. (M'58), Sr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 BECKER, AL BERT E. (M'50.) Die. Engr., Research & Doy.
- BECKERS, ALBERT E. (M'50), Dir., Engr. Research & Dev., Allen B. DuMont Labs., Inc., 750 Bloomfield Ave., Clifton, N.J.

- N.J.

 BECKETT, HENRY F. (M'57), Systems Engr., Raytheon Mfg.
 Co., Wayland, Mass.

 BECKHAM, CLAUD L. (S'47-A'50-SM'56), Engr., AT&T
 Co., 195 Broadway, New York 7, N.Y.

 BECKHAM, JOHN M. (S'57-M'59), Control Engr., U.S.
 Naval Ordnance Lab., White Oak, Silver Spring 19, Md.

 BECKHAM, RICHARD H. (S'56-M'57), Aeronautical Research
 Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala.

 BECKHARDT, THEODORE G. (A'44-M'48), Publications
 Engr., Sperry Gyroscope Co., Garden City, L.I., N.Y.

 BECKHART, GORDON H. (M'59), 1019 Syranger St.
- Engr., Sperry Gyroscope Co., Garden City, L.I., N.Y. BECKHART, GORDON H. (M'59), 1019 Sycamore St., Haddon Heights, N.J. BECKHOFF, GERHARD (A'57), Dev. Engr., Continental Electronics Mfg. Co., 4212 S. Buckner Blvd., Dallas 27, Tex.
- BECKLER, HOWARD E. (M'54), Project Engr., Remington Rand Univac, St. Paul 16, Minn. BECKLEY, THEODORE L. (4.51-M'57), Design Specialist, Martin Co., Denver, Colo.
- BECKLUND, ORVILLE A. (A'41-M'45-SM'51), Sr. Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas

- timore 3, Md.
 BECKMAN, WILLIAM R. (S'55-M'57), Sr. Design Engr.,
 Convair, Ft. Worth, Tex.
 BECKMANN, UWEL. (A'59), Engr., Ballantine Labs.,
 Boonton, N.J.
 BECK YON PECCOZ, STEPHEN G. W. (S'55-M'57), Electronics Engr., Stromberg-Carlson Co., 1895 Hancock St.,
 San Diego 12, Calif.

- BECK VON PECCOZ, STEPHEN G. W. (S'55-M'57), Electronics Engr., Stromberg-Carlson Co., 1895 Hancock St., San Diego 12, Calif.

 BECKWITH, JACK E. (S'49-M'53), Asst. Mgr., Southwest Radio & Sound Equipment Co., 1518 N. St. Mary's St., San Artonio, Tex.

 BECKWITH, PAUL B. (S'57-M'59), Ensign, USN, USS Taussig (DE-1030), FPD, New York, N.Y.

 BECKWITH, ROBERT W. (M'51), Mgr., Computer Component, Electronics Lab., GE Co., Syracuse 2, N.Y.

 BECKWITH, ROBERT W. (M'51), Mgr., Computer Component, Electronics Lab., GE Co., Syracuse 2, N.Y.

 BECRAFT, CLARENCE E. (A'58), Sr. Tech. Aide, Bell Tel. Labs., Whippany, N.J.

 BEDELL, EUAL H. (M'56), Dir., Military Design Engrg., Bell Tel. Labs., Whippany, N.J.

 BEDERKA, STEPHEN E. (A'55), Sr. Scientist, Lockheed Missile & Space Div., 3251 Hanover St., Palo Alto, Calif. BEDERKA, STEPHEN E. (A'55), Systems Engr., Internatl. Electric Corp., Rtc. 117, Paramy, N.J.

 BEDFORD, ALDA V. (A'31-SM'46-F'55), TV Research Engr., CA Labs., Princeton, N.J.

 BEDFORD, JOHN S. (M'56), Chief Engr., Wells Electronic Co., 1701 S. Main St., South Bend 23, Ind.

 BEDFORD, LESLIE H. (M'34-SM'43-F'48), Chief Engr., G.W. Div., The English Electric Co., Ltd., The Aimort, Luton, Bedford, England.

 BEDINGFIELD, JAMES F. (A'59), Chain Cmdr., Decca Navigator Co., 23 Six Points Rd., Toronto, Ont., Canada.

 BEDINGFIELD, SAMUEL G. (S'57-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., NY, BEDINGHAM, GEOFFREY M. (M'56), Project Engr., Phillips Electronic Integraph Co., 60 Hudson St., New York 13. N.Y.

 BEDOIAN, BEDROS (A'57), Electronics Technician, Arma Div., American Bosch Arma Corn., Garden City, I.I., N.Y.

 BEDROSIAN, EDWARD (S'51-A'53-M'54-SM'56), Electronics Engr., The Rand Corn., 1700 Main St., Santa Monica, Calif.
- Cailf.

 BEDROSIAN, PETER G. (S'51-A'53), Prod. Dev. Engr., RCA, New Holland Pike, Lancaster, Pa.

 BEDROSIAN, SAMWEL D. (S'44-A'45-SM'54), Systems Engr., Burroughs Research Center, Paoli, Pa.

 BEDWELL, THOMAS H. (A'42-M'49), Assoc. Prof., Physics, State Univ. of South Dakota, Vermillion, S.D.

 BEBEB, CHARLES W. (S'53-A'55), Field Project Engr., Motorola, Inc., 1400 N. Cicero, Chicago 51, III.

 BEEBE, JOSEPH A. (A'52-M'57), Flectronics Engr., FAA, 4825 Troost Ave., Kansas City 10, Mo.

 BEEBY, ATRICK A. (A'53-M'59), Asst. Mgr., Engrg. Prods. Div., IBM, Poughkeepsie, N.Y.

BEE-BEL - 89 -

- BEECHER, ALFRED E. (S'52-A'53-M'59), Teaching Asst., MIT. Cambridge 39, Mass.

 BEECHER, DAVID W. (A'46-M'55), Chief Engr., Aerojet-Genl. Corp., Ordnance Engrg. Div., Box 460, Frederick, Md. BEECHER, DUANE E. (S'51-A'55-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. BEECHER, GORDON L. (S'52-A'56), Tobin Rd., Rte. 3, Box 380Z, Annandale, Va.

 BEECHER, WILLIS C. (A'46-M'56), Consulting Engr., Page, Creutz, Steel & Waldschmit, 1413 K St., N.W., Washington 5, D.C.

- BEECHEY, DONALD F. (M'55), Owner, Beechey Enterprises, 1162 Main St., N., Weston, Ont., Canada.
 BEEDLE, ROBERT H. (A'54), Chief Engr. Potentiometer
 Div., The Gamewell Co., 123B Chestnut St., Newton 64,
- Mass.
 BEEDY, RICHARD M. (S'50-A'52-M'5B), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
 BEEGLE, DAVID H. (S'35-A'3B-SM'47), Chief, Systems Engre, Div., Naval Ordnance Lab., White Oak, Md.
 BEEHLER, JAMES E. (S'47-A'48-M'55), Asst. Switchgear Engr., American Electric Power Service Corp., 30 Church St., New York, N.Y.
- New York, N.Y.

 BEEHLER, LARRY A. (A'54-M'59), Elec. Enor., Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind.
 BEEKAMN, RICHARD E. (M'56-SM'57), Mem. Tech. Staff, Hughes Research & Development Labs., Culver City, Calif. BEELER, THE DODRE L. (S'51-A'53-M'58), Mem. Tech. Staff, Beil Tel. Labs., Whippany, N.J.
 BEEM, RAYMOND M. (SM'52), Engr., Mgr., David White Radio Supply Co., 1222 Main St., Little Ruck, Aik.
 BEEMAN, JAMES L. (S'54-M'57), Supvr., Data Services, Aerojet Genl. Corp., Nimbus Rd. & Hwy. 50, Sacramento, Calif.

- Calif.
 BEEMAN, KEITH R. (M'4B), Pres., Southwestern Industrial
 Electronics Co., 10201 Westheimer, Houston, Tex.
 BEENEY, DONALD W. (S'55-M'57), Elec. Engr., Sylvania
 Elec. Prods., Inc., Emporium, Pa.
 BEENKEN, HAROLD G. (M'56), Dir., C.V. Research Lab.,
 Instr., Internal Medicinc Dept., Univ. of Nebraska, College
 of Medicine, 42 & Dewey Ave., Omaha, Neb.
- BEENY, LESLIE S. (A/52-SM/58), Field Project Supvr., RCA Internat., Central & Terminal Aves., Clark, N.J.
 BEER, ALBERT C. (A/44-M/55), Asst. Tech, Dir., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio
- BEER, ANDREW E. (S'54-A'55), Richardson Ave., Sea Cliff,
- BEER, WILLIAM J. (S'57-A'57), Engrg. Technician, Canadair, Laurentien Blvd., Montreal, P.Q., Canada.
 BEERMAN, STANFORD D. (A'57), Avionic Systems Buyer, McDonnell Aircraft Corp., St. Louis-Lambert Municipal Airport, St. Louis, Mo.
- port, St. Louis, Mo.
 BEERS, GEORGE L. (A'27-M'29-SM'43-F'47), RCA, Camden, N.J.
 BEERS, MAX L. (SM'57), Dir., Drone & Missile Éngrg., Sperry Cyroscope Co., Great Neck, L.I., N.Y.
 BEERS, REX H. (M'56), Dir., Engrg., Hqrs. GEEIA, Griffiss
- BEERS, ROBERT B. (A'4B-M'55), Asst., Prof., Elec. Technology, Broome Tech. Community College, Upper Front St., Binghamton, N.Y.
- BEERS, ROLAND F. (A'41-SM'57), Pres., Roland F. Beers, Inc., 447 Pinewoods Ave., Troy, N.Y.
 BEERS, ROY A., JR. (M'53-SM'53), Engr., Design-Dev.
 Leader, RCA, Camden, N.J.
- BEERS, WILLIAM T. (A'53), Engr., Martin Co., Orlando,

- Fla.

 BEERS, WILLIS D. (S'57-A'57), Engr., Martin Lo., Urlando, Fla.

 BEERS, WILLIS D. (S'57-A'57), Technician, Dynac, Inc., 359 Page Mill Rd., Palo Alto, Calif.

 BEERS, YARDLEY (A'44-M'46), Prof., New York Univ., Dept. of Physics, University Hqts., New York 53, N.Y.

 BEESLEY, JAMES P. (S'49-A'52-M'57), Advisory Engr., IBM, Kingston, N.Y.

 BEESON, ROBERT H. (S'52-A'53-M'5B), Applications Engr., Fairchild Semiconductor Corp., B44 Charleston Rd., Palo Alto, Calif.

 BEESON, WILLIAM E. (A'44), Engr., Admiral Corp., 3B00 Cortland, Chicago 47, III.

 BEETHAM, JAMES P. (S'56-M'5B), Jr. Engr., IBM, Pough-keepsie, N.Y.

 BEETHAM, ROBERT B. (S'34-A'36-M'55), Mgr., Electron-

- REETHAM, JAMES F. (3'30-M 3D), Jr. Engr., IDM, Fough-keepsie, N.Y.

 BEETHAM, ROBERT B. (S'34-A'36-M'55), Mgr., Electronics Div., The James Knights Co., Sandwich, III.

 BEETZ, HENRY J. S'51-A'53-M'57), Staff Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 BEZER, JOSEPH E. (A'51-M'5B), 65 Strawbridge Ave., Westmort, N.J.

 BEGEMAN, ROBERT H. (S'48-A'49-M'95), Supvy, Electronics Scientist, U.S. Naval Avionics Facility, Div. B30, 6000 E. 21 St., Indianapolis, 1B, Ind.

 BEGGS, GEORGE E., JR. (A'42-M'45-SM'4B), Asst. to Pres., Leeds & Morthurp Co., 4901 Sterkon Ave., Philiadelphia 44, Pa.

 BECGS, JAMES E. (SM'52-F'56), Electronics Engr., GE

- adelphia 44, Pa.
 BEGGS, JAMES E. (SM'52-F'56), Electronics Engr., GE
 Research Lab., Schenectady, N.Y.
 BEGGS, WILLIAM C. (A'57), Electronics Technician, Motorola, Inc., 4545 W. Augusta Blvd., Chicago, III.
 BEGLEY, CEORGE R. (S'56-M'56), Elec. Engr., Govt. of
 Canada, Air Material Command, Hqrs., RCAF Sta., Rockliffe,
 Ottawa, Ont., Canada.
 BEGLEY, WARREN W. (A'42-M'46), Mam. Tach, Staff
- BEGLEY, WARREN W. (A'42-M'46), Mem. Tech. Staff, Systems Labs. Corp., 14B52 Ventura Blvd., Sherman Oaks, Calif.

- Systems Laus. Corp., 14B52 Ventura Blvd., Sherman Óaks, Calif.

 BEGOVICH, NICHOLAS A. (S'41-A'4B-M'5B), Dir., Engrg., Ground Systems Group, Hughes Aircraft Co., Fullerton, Calif. BEGUE, EMILIO (M'55), Dir., Training, Tampa Technical Institute, Davis Islands, Tampa, Fla.

 BEGUE, CEORGE P. (M'55), Engr., Jansky & Bailey, Inc., 1735 De Sales St., N.W., Washington, D.C.

 BEGUIN, FRED P. (SM'51), Audio Consultant, Audio Components Mkg., Radio Receiver Dept., GE Co., Adburn, N.Y.

 BEGUN, SEMI J. (SM'46-F'52), Dir., Mktg., Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio.

 BEHANE, DAVID (S'55-A'57), Apprentice Electronics Engr., Systems Developmer. Corp., 7500 Xenia Pike, Dayton, Ohio.

 BEHLER, ROBERT J. (SM'54), Supvy. Engr., Westinghouse Elec. Corp., Box 4B6, Baltimore 3, Md.

 BEHM, CEDRGE T. (S'55-M'5B), Asst., Project Engr., Bendix Radio Div., Joppa Rd., Baltimore 4, Md.

 BEHM, LUDWIG F. (A'15XL), Sr., Engr., Le Material Telephonique, 46 Quai De Boulogne, Boulogne-Billancourt, Seine, France.

- BEHME, ARNOLD E. (S'50-A'52-M'57), Electronics Engr., U.S. Govt., Washington, D.C. Home: 5904 Lemon Rd., McLean, Va.

- U.S. Govi., Washington, D.C. Home: 5904 Lemon Rd., McLean, Va.
 BEHN, ERIC R. (SM'55), Head, Naval Projects, Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.
 BEHNK, E.A. LBERT O. (M'46-SM'52), Engr., USAF, Ent AFB, Colorado Sorinos, Colo.
 BEHR, JOSEPH (A'44), V.P. Radio Engrg. Laboratories, Inc., 29-01 Borden Ave., Long Island City 1, N.Y.
 BEHR, KLAS, E. (A'56), Leader, Grup of Engrs., Svenska Radio AB, 12 Alstromergatan, Stockholm 12, Sweden.
 BEHR, LAWRENCE V. (A'59), Chief Engr., WWWS-FM-AM, Joyner Library, E.C.C., Greenville, N.C.
 BEHREND, WILLIAM L. (M'48-SM'53), Research Engr., RCA Labs., Princeton, N.J.
 BEHRENDS, PAUL O. (S'53-A'54), Lt. Genl., USN, USS Yorktown (CVS-10), FPO, San Francisco, Calif.
 BEHRENDT, RICHARD T. (S'52-A'55), Electenories Engr., Home Music Systems, 431 Steves Ave., San Antonio 10, Tex.
 BEHRENDT, RICHARD T. (S'52-A'55), Elect. Engr. USDI Bureau of Reclamation, Box 2553, Billings, Mont.
 BEHRENS, REDERICK A. (S'55-M'5B), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.
 BEHRENS, REDERICK A. (S'55-M'5B), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 BEHRENS, RICHARD G. (M'56), Project Engr., Electro Development Corp., 3939 University Way, Seattle 5, Wash.
 BEHRENS, WARREN V. (M'56), Electronics Scientist, Diamond Offigure Fize Labs. Washington 25, D. C.
- velopment Corp., 3939 University Way, Seattle 5, Wash.
 BEHRENS, WARREN V. (M'56), Electronics Scientist, Diamond Ordnarce Fuze Labs., Washington 25, D.C.
 BEHRENT, LEWIS F. (M'5B), Supvg. Electronics Scientist,
 Natl, Bureau of Standards, Boulder, Colo.
 BEHRINGER, DORSEY S. (S'36–A'38–M'46), 70 Sycamore
 Ave., Mill Valley, Calif.
 BEHRINGER, NORMAN C. (A'53–M'5B), Sr. Engr., Sperry
 Phoenix Co., 19 Ave., Phoenix, Ariz.
 BEHYMER, DONALD E. (M'56), Electronics Engr., Hazelline
 Technical Development Center, Inc., Weir Cook Airport, Indianapolis, Ind.

- anapolis, Ind.
 BEICH, FREDERICK R. (S'55-M'57), 7014 54, N.E.
 Seattle 15, Wash.
 BEIDLER, ROBERT T. (M'55), Assoc. Mfg. Engr., RCA,
 New Holland Ave., Lancaster, Pa.
 BEIDLER, SHEPPARD (A'47-M'51), Pres., Metropolitan Telephone Supply Corp., 964 Dean St., Brooklyj 3B, N.Y.
- ephone Supply Corp., 964 Dean St., proporty 37, 17.
 BEIDNER, GUSTAVE M. (S'58-M'59), Engr., GE Co.,
 Syracuse, N.Y.
 BEIER, LERGY W. (M'4B), Owner & Mgr., Leroy W. Beier
 Co., 651B North Ave., Chicago 35, III.
 BEIER, MAX C. (S'40-A'41-M'45-SM'55), TV Tuner
 Engr., Zenith Radio Corp., 6001 Dickens Ave., Chicago
- Engr., 39, 111
- 39, III.

 BEIHL, PAUL A. (S'57-M'59), Design Engr., No. Amer.
 Aviation. Internatl. Airport, Los Angeles 45, Calif.
 BEIN, HARRIET F. (M'5B), Project Engr., Philoc Corp.,
 4700 Wissahickon Ave., Philadelphia 44, Pa.
 BEIN, WALTER (S'46-A'4B-M'54-5M'57), Dir., Engrg.,
 Burnell & Co., Inc., 10 Pelham Pkwy., Pelham Manor, N.Y.
 BEINS, JOHN K. (A'41-M'4B), Transmission Man, Long Lines
 Dept., AT&T Co., 121 Huron St., Toledo 4, Ohio.
 BEINTEMA, CHESTER D. (M'56), Staff Engr., Hughes Aircraft Co., Cuiver City, Calif.
 BEISCHEL, JOSEPH R. (A'55), Sr. Elec. Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, III.
- search Labs., b4UL W. Qakton, Morton trove, III.
 BEISEL, FREDERICK A. (A'55), Project Engr., ITT Labs.,
 Nutley 10, N.J.
 BEISER, LEO (A'54), Group Leader, Missile Equipment,
 Polarad Electronics Corp., 43–20 34 St., Long Island
 City 1, N.V.
- City 1, N.Y.

 BEITZ, RUBEN E. (S'42-A'44-M'55-SM'57), Sr. Engr.,
 Admiral Corp., 3B00 Cortland St., Chicago 47, III.

 BEIZER, HAROLD H. (SM'5B), Pres., Bellaire Electronics,
 Inc., 62 White St., Red Bank, N.J.

 BEKEY, GEORGE A. (M'56), Mem Tech, Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.

 BEKEY, IVAN (S'54-4'55-M'59), Design Engr., RCA,
 11B19 W. Olympic Blvd., Los Angeles 64, Calif.
- BEKINS, DONALD M. (A'59), Military Sales Engr., Kentron Hawaii, Ltd., 1140 Waimanu St., Honolulu 14, Hawaii.
- BEKKER, DAVID (A'55-M'56), Research Officer, Ministry of Defence, Scientific Dept., Box 7063, Hakirya, Tel-Aviv, Israel.
- BELAK, MYRON J. (S'57-M'5B), Scientific Officer, Canadian Armament Research & Development Est., Valcartier, P.Q., Canada.
- Canada.

 BELAMARICH, JOSEPH P. (S'51-A'52-M'5B), Sr. Engr., Emerson Television & Tadio Co., Jersey City, N.J.

 BELANGER, DONALD S. (A'57), Lab. Technician, Emerson Electric Mig. Co., B400 W. Florissant, St. Louis. Mo.

 BELANGER, E. DONALD (A'57), Mgr., Prod. Dev. Div., New York Transformer Co., Inc., Alpha, N.J.

 BELANGER, FERNAND (M'54), Electro Mech. Sect. Head, Goodyear Aircraft Corp., Litchfield Blvd., Litchfield Park, Ariz.

- Ariz.

 BELANGER, J. PAUL. (M'5B), Dev. Engr., Components Div., RCA Victor Co., Ltd., Renfrew, Ont., Canada.

 BELANGER, JEAN P. (A'55), Dir., Tele-Technic Institute, 4005 A. Wellington St., Verdun, P.Q. Canada.

 BELBY. MICHAEL (A'54), Elec. Engr., GE Co., Utica, N.Y. BELCHER, ARNOLD C. (M'59), Asst. Chief, Data Systems Branch, Directorate of Missile Captive Text, AFFTC, Edwards AFB, Calif.
- BELCHER, HAROLD P. (A'54), Mgr., Quick Reaction Lab Avion Div., ACF Industries, Inc., BOO N. Pitt St., Alex-andria, Va.
- andria, Va.

 BELCHER, RICHMOND D. (A'53-M'5B), Systems Engr., Teleregister Corp., 445 Fairfield Ave., Stamford. Conn.

 BELCHIS, SAMUEL (A'51-M'57), Staff Mem., Genl. Precision Labs., Inc., Pleasantville; N.Y.

 BELCK, HANS B. (M'53), Project Engr., Philoc Corp., Caixa Postal 4753, Sao Paulo, E.S.P., Brazil.

 BELDEROK, HERMAN C. (A'51), Sr. Systems Engr., Republic Aviation Corp., Famingdale, L.I., N.Y.

 BELENSKI, JOHN D. (S'54-M'57), Assoc. Elec. Engr., Boeing Airplane Co., Box 107, Seattle 14, Wash.

 BELENSKY, MICHAEL J., JR. (A'58), Field Service Tech-

- Boeing Airplane Co., Box 107, Seattle 17, Wash.
 BELENSKY, MICHAEL J., JR. (A'58), Field Service Technician, GE Co., HMED, Syracuse, N.Y.
 BELESKAS, STANLEY M. (A'40), Mem. Tech. Staff, Hughes Communications Div., Box 90902, Los Angeles 45, Calif.
 BELEVITCH, VITOLD (SM'54), Dir., Comite d'Etude et d'Exploitation des Calculateurs Electroniques, 67 rue de la Craix de Fer, Brussels, Belgium.

- BELEY, ERNEST G., JR. (A'57), Flight Dispatcher, United Air Lines, Idlewild Airport, Jamaica, L.I., N.Y.
 BELFI, JOHN L. (S'43-A'49-M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.
 BELFORD, JOHN F. (S'52-A'54-M'59), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 BELFORD, KENNETH R. (A'54), Page Communications Engrs., Inc., Box B24, Agana, Guam, M.I.
 BELGAMVALA, M. K. (A'45), Anateur Experimenter & Author, 2 Wheatcroft Rd., Nungumbaukum Madras 6, South India.
 BELING, THOMAS E. (A'56), Engr., Raythean Mfg. Co., Wayland, Mass.
 BELINSKI, ADAM M. (A'45), Sr. Technician Electronic Research Lab., MIT, Cambridge 39, Mass.
 BELINSKY, OLIVER A. (A'56), Engr., Philoc Corp., 22
 St. & Lehigh Ave., Philadelphia 32, Pa.
 BELITZ, HANS G. (A'55), Sales Mgr., G. H. Leland, Inc., 123 Webster St., Dayton 2, Ohio.
 BELIVEAU, JOSEPH H. (A'58), Teacher, Univ. of Sherbrooke, 137 Gillespie St., Sherbrooke, P.Q., Canada.
 BELK, JOB H. (A'57), Engr., Well Instrument Developing Co., 1220 N. Rice, Bellaire, Tex.
 BELKEN, MICHON, 104 Maringen AFB, Tex.
 BELKIN, ARNOLD (S'53-A'55). Systems Engr., Raytheon

- Maint. Sqdn., 361Uth Navigator in American AFB. Tex.

 BELKIN, ARNOLD (S¹53-A¹55), Systems Engr., Raytheon Mfg. Co., Wayland, Mass.

 BELKIN, MARTIN (S¹56-M¹5B), Elec. Engr., Electro-Mechanical Research, Inc., Box 3041, Sarasota, Fla.

 BELL, A. EVAN (S¹55-M¹57), Western Electric Co., 1300 Connecticul Ave., N. W., Washington 6, D. C.

 BELL, A. LEROY (A¹34-SM¹47), Cenl. Engr., Operations Staff, Directorate of Labs., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 RFIL. ALAN C. (M¹5B), Project Officer, Canadian Military
- BELL, ALAN C. (M'5B), Project Officer, Canadian Military Electronics Standards Agency, DND, 72 Queen St., Ottawa, Ont., Canada.
- BELL, ALLAN F. (M'55), Chief Engr., Paxton Prods. Div., McCulioch Motors, Inc., 929 Olympic Bivd., Santa Monica, Calif.
- BELL, ALLEN N. (A'47-M'55), Engr., Corning Glass Works, Corning, N.Y. BELL, ANNE R. (A'55-M'5B), Microwave Engr., de Havil-land Aircraft Co. of Canada, Ltd., Downsview, Ont., Can-
- BELL, BENJAMIN D. (S'53-M'57), Assoc. Engr., The Johns Hopkins Univ., Silver Spring, Md.
- Jonns Hopkins Univ., Silver Spring, Md.
 BELL, BLAIR A. (S'56-M'5B), Field Engr., Western Electric Co., Sage Bidg., Duluth, Minn.
 BELL, BOOTS (RALPH R. BELLITTO), (A'57), Chief Engr.,
 Dunkirk-Fredonia Broadcasting Co., 13 E. Main, Fredonia,
 N.Y.
- BELL, BRUCE G. (S'56-M'57), Elec. Engr., Convair,
- BELL, CLAUDE V. (A'57-M'5B), Engr., RCA, Camden, N.J.
- DELL, CLAUDE V. (A'57-M'5B), Engr., RCA, Camden, N.J.
 BELL, DALTDN A. (S'54-M'56), Sr. Electronics Engr., Convair, 3165 Pacific Hwy., San Diego 2, Calif. BELL, DANIEL J. (S'58-M'59), Sales Engr., Red Bank Div., Bendix Aviation Corn., Eatontown, N.J.
 BELL, DAVID L. (A'43), Covt. Sales Deot., P. R. Mallory & Co., Inc., 3029 E. Washington, Indianapolis 6, Ind. BELL, DE LAMAR T., JR. (S'56-M'59), 457 Glenwood Ave., Menlo Park, Calif.
 BELL, DURWARD E. (M'53), Head, Capability Analysis Div., Missile Evaluation Deot., Naval Ordnance Lab., Corona, Calif. BELL, ELLIOT (M'5B), Electronics Engr., Convair-Astronautics, San Diego 12, Calif.
 BELL, ERNEST W., JR. (A'56), Engr., WTVT, WKY Television System, Inc., 3213 Grand Central Ave., Tampa 11, Fla.
 BELL, GRAEME L. (S'56-M'58), Flac. Engr., M.J.

- Fla.

 BELL, GRAEME L. (S'56-M'5B), Elec. Engr., Northern Electric Co., Ltd., Sidney St., Belleville, Ont., Canada.

 BELL, HAROLD, JR. (S'52-A'54), Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 BELL, HENRY P. (S'53-A'5B), Electronics Technician, Naval Ordnance Lab., Silver Spring, Md.

 BELL, HERBERT C. (A'45), Prod. Mgr., Electronics, Philico Corp. of Canada, Don Mills Rd., Toronto, Ont., Canada.
- Canada
- BELL , J. ZORA I. (S'5B-M'59), Technician, Univ. of Chi-cago, 5B01 Ellis, Chicago 37, III. BELL , J. STEVEN (S'33-A'35-M'55), Planning & Dev. Engr., Western Electric Co., BBB Newark Ave., Jersey

- City, N.J.

 BELL, JAMES E. (A'54-M'5B), Mem. Tech. Staff, Hughes Research & Development Labs., Culver City, Callf.

 BELL, JAMES E. (M'59), Sr. Project Engr., Westinghouse Elec. Corp., Box 1797, Baltimore 3, Md.

 BELL, JAMES W. (SM'57), Project Coordinator, Sr. Engr., Genl. Communication Co., 677 Beacon St., Boston, Mass.

 BELL, JOE S., JR. (SM'55), Electronics Engr., Norfolk Naval Shipyard, Portsmouth, Va.

 BELL, JOHN F. (S'37-A'41-SM'55), Sect. Head, Adv. Dev. Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.

 BELL, JOHN L. JR. (A'5R), Sales Engr., Internal Pa-
- cago 39, III.
 BELL, JOHN L., JR. (A'5B), Sales Engr., Internati. Resistance Co., 401 N. Broad St., Philadelphia B, Pa.
 BELL, JOHN W. (M'46-F'53), V.P., Engrg., Canadian Aviation Electronics, Ltd., Box 915, Sta. O, Montreal 9, P.Q., Canada.
 BELL, JOSEPH (A'54), Chief, Closed Circuit TV, Post Signal Office, Electronics Branch, Ft. Monmouth, N.J.

- Signal Office, Electronics Branch, Ft. Monmouth, N.J.

 BELL, JOSEPH H. (S'54-A'56), Sr. Dynamics Engr.,

 McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

 BELL, JOSEPH W. (A'55), Maj., USAF, Electronics Staff
 Officer, 7420th Support Flight, APO 12, New York, N.Y.

 BELL, KENNETH R. (M'5B), Production Supvr., Electronics,

 Magnaflux Corp., 7300 W. Lawrence, Chicago 31, III.

 BELL, LAWRENCE W., SR. (S'57)-A'51-M'54), Electronics Engr., Air Proving Ground Center, APGC-Attn:

 PGEEE, Eglin AFB, Fla.

 BELL, LEONAR® H., JR. (A'57), Engr., Western Electric

 Co., Chatham Rd., Winston-Salem, N.C.

 BELL, NGRMAN R. (SM'59), Assoc. Prof., Elec. Engrg.,

 North Carolina State College, Raleigh, N.C.

 BELL, NGRTON W. (S'46-A'49-M'54), Sr. Research Engr.,

 Consolidated Electrodynamics Corp., 360 N. Slerra Madre

 Villa Ave., Pasadena, Calif.

- BELL, OWEN K. (SM'5B), Pres., Spacetronics, Inc., 1109
 16 St., Washington, D.C.
 BELL, P. FRANKLIN (M'5B), Pres., P. F. Bell Co., Anro
 Bldg., Devon, Pa.

 BELL, RENWICK W. (A'53-M'5B), Engrg. Sect. Head,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BELL, RICHARD E. (M'57), Asst. Base Mgr., Lockheed
 Missile & Space Div., Box 3890, Honolulu, Hawali
 BELL, ROBERT E. (A'48-M'55), Mgr., Research & Dev.,
 Toledo Scale Div., 5000 Telegraph Rd., Toledo 1, Ohio.
 BELL, ROBERICK W. (A'53), Mgr., Western Engrg. Div.,
 Tung-Sol Electric, Inc., 1975 N. Hawthorne Ave., Melrose
 Park, Ili.
 BELL, ROGER D. (S'58-M'59), TachPen. GE Co.
- BELL, ROGER D. (S'5B-M'59), TechRep., GE Co., Syracuse, N.Y.

- Park, III.

 BELL, ROGER D. (S'5B-M'59), TechRep., GE Co., Syracuse, N.Y.

 BELL, RONALD J. (M'56), Telecommunications Engr., Trinidad Consolidated Telephones, Ltd., 10 St. James St., San Fernando, Trinidad, British West Indies.

 BELL, RONALD L. (M'57), Sr. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 BELL, RONALD R. (M'57), Sr. Engr., Philico Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 BELL, ROSS L. (S'57-M'5B), Elec. Engr., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 BELL, ROSS L. (S'57-M'5B), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., MY.

 BELL, WALTER C. (A'54), Radar Officer, Marine Corps. Guided Missile Test Unit, N.O.T. S., China Lake, Calif.

 BELL, WALTER C. (A'54), Radar Officer, Marine Corps. Guided Missile Test Unit, N.O.T. S., China Lake, Calif.

 BELL, WAYNE D. (S'55-M'57), 1st. Lt., USAF, Radar Maint. Officer, 740th AC & W Sdon., Elisworth AFB, S.D.

 BELL, WILLIAM E. (M'59), Electronics Engr., FAA, Washington 25, D.C.

 BELL, WILLIAM H. (SM'5B), Weapon Systems Engr., Hughes Aircraft Co., Culver City, Calif.

 BELL, WILLIAM W., III (M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BELL, WILLIAM W., III (M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BELLAMD, JERLING N. (M'57), Sr. Microwave Design Engr., Dalmo Victor Co., Bellmont, Calif.

 BELLAMD, FRIING N. (M'57), Fr. Microwave Design Engr., Dalmo Victor Co., Bellmont, Calif.

 BELLANDONI, JUAN F. (M'57), Sr. Engr., ITT Labs., Nutley 10, N.J.

 BELLANDONI, JUAN F. (M'57), Fr. Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BELLANDONI, JUAN F. (M'57), Figr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BELLANDONI, JUAN F. (M'57), Sr. Engr., ITT Labs., Mutley 10, N.J.

 BELLANDONI, JUAN F. (M'57), Figr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BELLANDONI, JUAN F. (M'57), Sr. Engr., ITT Labs., Mutley 10, N.J.

 BELLANDONI, JUAN F. (M'57), Sr. Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BELLANDONI, JUAN F. (M'57), Sperry, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BELLANDONI,

- P.Q., Canada.
 BELLAVIA, LOUIS J. (A'55)., Engr., Morning Tribune,
 WFLA-TV, Tampa, Fla.
 BELLEE, ERNEST C. (S'56-M'5B), Instr., Elec. Engrg.,
 Univ. of Arizona, Tucson, Ariz.
 BELLENKES, WILLIAM A. (A'5B), Sales Engr., J.F.D.
 Electronics Corp., 1462 62 St., Brooklyn 4, N.Y.
 BELLER, EUGENE H. (A'47), Engr., KSD-TV, 12 & Olive,
 St. Louis 1, Mo.
- BELLLER, EUGENE H. (A'47), Engr., KSD-TV, 12 & OII St. Louis 1, Mo. BELLER, WILLIAM C. (A'52-M'57), Chief Engr., Tele-visor Co., 515 Madison Ave., New York, N. Y. BELLEVILLE, LOGAN M. (J'29-A'30-M'46-SM'52), Pres., Belleville-Hexem Corp., 63B University Ave., Los Gatos, Calif.
- Los Gatos, Calif.
 BELLEW, FRANCIS N. (S'47-A'49-M'54), Engrg. Consultant, Stavid Engrg., Inc., Plainfield, N.J.
 BELLEW, RICHARD W. (A'46), Owner, Dick Bellew Sales
 Co., Mirs. Rep., 314 Meirose St., El Dorado, Ark.
 BELLINGHAM, LOWELL C. (A'53), Asst. Sales Mgr.,
 Natvar Corp., 211 Randolph Ave., Woodbridge, N.J.
- BELLIS, HOWARD M. (S'53-A'55), Sr, Engr., ITT Labs., Nutley 10, N.J.

 BELLIS, HOWARD M. (S'53-A'55), Sr, Engr., ITT Labs., Nutley 10, N.J.

 BELLIS, RICHARD P. (A'49-M'56), Electro-Mech. Engr., S.S. White Dental Mfg. Co., Prince Bay, Staten Island

- 12, N.Y.

 BELLIS, VICTOR L. (S'54-A'55), Field Technician, Federal Electric Corp., Box 347, Lodi, N.J.

 BELLMAN, BRIAN M. (M'56), Sr. Engr., Westinghouse Electronics Div., Box 1897, Baltimore 3, Md.

 BELLMAN, HOWARD C. (A'53-M'59), Tech. Assoc., ITT Labs., 1515 Bledsoe St., San Fernando, Call.,

 BELLMAR, CHARLES L. (S'4B-A'49-M'55), Sales Rep., Sperny Gyoscope Co., Great Neck, L.I., N.Y.

 BELLMER, WILLIAM A. (S'56-A'59), Sr. Research Asst., Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y.
- BELLMORE, MANDELL (S'56-M'5B), USAF, 506 A&E Maint. Sqdn., Tinker AFB, Okla. BELLO, PHILLIP A. (S'52-A'55), 53 Wayne Rd., Needham,
- BELLOR . WILLIAM F. (A'35-VA'39-M'53), Radio Engr., Rochester Gas & Electric Corp., B9 East Ave., Rochester

- Mass.
 BELLOR. WILLIAM F. (A'35-VA 37-III.
 Rochester Gas & Electric Corp., B9 East Ave., Rochester 4, N.Y.
 Rochester Gas & Electric Corp., B9 East Ave., Rochester 4, N.Y.
 BELLOWS, ROBERT K. (S'55-M'57), Engr., Bendix Aviation, 400 S. Belger, Mishawaka, Ind.
 BELLRINGER, CLIFFORD C. E. (M'50), Communications First Officer, Internati. Civil Aviation Organization, Internati. Aviation Bidg., Montreal, P. Q., Canada.
 BELLUCCI, FRANK A. (S'55-M'5B), Engr., Sanders Associates, 95 Canal St., Nashua, N.H.
 BELLUCK, RAYMONDE L. (A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BELLVILLE, WILLIAM H. (S'4B-A'50-M'55), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 BELMONT, EMANUEL (M'55), Sr. Engr., Bendix Aviation Corp., Westwood Ave., Long Branch, N.J.
 BELMONTE, ANTHONY P. (S'56-M'57), Elec. Engr., GE Co., Schenectady 5, N.Y.
 BELOCK, HARRY D. (SM'4B), Pres., Belock Instrument BELMONTE, AN IMONY F. 13 John St., 12 John St., 20 John S

- BELOVE CHARLES (S'46-A'51), W. C. Belove Co., 515-525 Classon Ave., Brooklyn 16, N.Y.
 BELPREZ, GEORGE R. (M'49), Purch. Agent, Bendix Aviation Corp., 20B00 10 1/2 Mile Rd., Detroit 35, Mich.
 BELROSE, JOHN S. (S'49-A'52-M'57), Research Scientist, Defense Research Telecommunications Est., Defence Research Board, Shirley Bay, Ottawa, Ort., Canada.
 BELSHE, RAMON D. (S'55-M'5B), Electronics Engr., FAA, 4B25 Troost, Kansas City 10, Mo.
 BELTRAMI, AURELIO (SM'56), Dr., Ing., Pres.-Dir., Prop., Instituto Radiotecnico, Via Circo, 4, Milano, Italy.

- Italy.

 BELTRAMO, JOSEPH R. (S'52-A'53), Sr. Engr., Philoc Corp., 4700 Wissahickon, Philadelphia 44, Pa.

 BELTZ, CHARLES A. (S'5B-M'59), 2nd. Lt., U. S. Army, Artillery & Gulded Missile School, Ft. Sill, Okla.

 BELTZ, GEORGE E. (A'49-M'55), Electronics Engr., Teleregister Co., 445 Fairlield Ave., Stamford, Conn.

 BELTZ, WILLIS F. (A'53-SM'56), Mgr., Microwave Quality Control, RCA, Harrison, N. J.

 BELUSKO, JOSEPH V. (A'54), Pres., Dave M. Lee Co., 3527 N.E. Union Ave., Portland 12, Ore.

 BELVILLE, J. RICHARD (S'50-A'52-M'57), Chief, Tube Apolication Engr., Motorola, Inc., 9401 W. Grand Ave., Franklin Park, III.

 BELVIN, FRANK (S'55-M'56), 372 Marlboro St., Boston

- BELVIN, FRANK (S'55-M'56), 372 Mariboro St., Boston

- 15, Mass.

 BELZ, RICHARD A. (S'54-A'55), Customer Engr., 1BM, 99 Park Ave., New York 16, N.Y.

 BELZ, ROBERT L. (S'57-M'59), Electronics Engr., U. S. Naval Air Development Center, Johnsville, Pa.

 BEMENT, WILLIAM A. (M'56), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 BEMIS, A. RUSSELL (S'56-M'57), Mem. Tech. Staff, Labs., Whippany, N. J.

 BEMIS, EDWIN W. (M'46-SM'53), Engr., Radio Sect., AT&T Co., 195 Broadway, New York 7, N.Y.

 BEMIS, PHILO S. (S'48-A'49-M'55), Mgr., Operations Research Dept., Telecomputing Corp., 1283B Saticoy, North Hollywood, Calif.

 BEMIS, CRICHARD C. B. (A'54), Dey. Engr. Consolidated
- BEMIS, RICHARD C. B. (A'54), Dev. Engr., Consolidated Electrodynamics Corp., 620 N. Lake Ave., Pasadena, Calif.
- BEMA, JOSEF J. (S'46-M'55), Designer Specialist, Spojprojekt, 42 Engelsovo, Prague II. Czechoslovakia. BENAFEL, ROBERT C. (M'55), 2305 Captain Cook Blvd., Turnagain By The Sea, Anchorage, Alaska. BENAGLIO, R. VICTOR (S'45-A'49-M'55), Chief Engr., Industrial Controls Sect., Bendix Aviation Corp., 21B20 Wyoming, Detroil 37, Mich.
- BENAMY, DANIEL A. (A!54), Sr. Engr., Curtiss-Wright Electronics Div., 631 Central Ave., Carlstadt, N.J. BENANTI, MICHAEL A. (A!50), Electronics Engr., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- BENASSAI, BRUNO D. (A'5B), Electronics Technician, Nat-tional Schools, 4000 S. Figueroa St., Los Angeles, Calif. BENASSI, DOMINC A. (S'45-A'48-M'54), Physicist, Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6. Minn
- BENBROOKS, LEE A. (A'51-M'57), Douglas Aircraft Co., Missiles Engrg., 3000 Ocean Park Blvd., Santa Monica, Calif
- Calif.

 BENCHIMOL, AUGUSTO (S'48-A'50-M'55), Asst. Prof., Electronics Div., Instituto Technologico Da' Aereonautica, C.T.A., Sao Jose Dos Campos, Sao Pauli, Brazil

 BENDA, DAVID (A'49-M'52), Sr. Engr., Sylvania Elec.

 Prods., Inc., Seneca Falls, N.Y.

 BENDAR, JACK A. (M'56), Electronics Engr., RCA, 11B19

 W. Olympic, Los Angeles, Calif.

 BENDEL, STEPHEN, JR. (A'53-M'58-SM'5B), Sect., Rechester 9, N.Y.

 BENDELL, CURTIS B. (M'56), Sr. Engr., Research & Design, Cook Research Lab., 6401 Oakton St., Morton Grove, Ill.

- Grove, Ill.

 BENDER, ALFRED (M'55), Dir., Research, Universal Atomics Corp., 50 Bond St., Westbury, L.I., N.Y.

 BENDER, DANIEL J. (S'55-M'55), Reliability Engrg., ITT Labs.. Nutley 10. N.J.

 BENDER, DANIEL W. (M'59), Application Engr., Radiation, Inc., Box 37, Melbourne, Fla.

 BENDER, DAVID L. (A'59), Prop., Central Communications Co., 1401 Richard St., Davton 3, Ohio.

 BENDER, DONALD R. (S'49-A'50-M'55), Mgr., Programs, GE Co., Lakeside Ave., Burlington, Vt.

 BENDER, ERWIN R. (S'55-M'57), Elec. Engr., RCA, Moorestown, N.J.

 BENDER, JAMES W. (S'57-A'58), Fleetmics Engr.
- BENDER, JAMES W. (S'57-A'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 BENDER, JOHN C. (M'53-SM'5B), Research & Dev. Engr., Houston Oilfield Material Co., 2101 S. Wayside Dr., Houston, Tex.

 BENDER, RICHARD M. (S'56-M'59), Jr. Engr., HRB Singer, Inc., State College, Pa.

 BENDER, RICHARD R. (A'55), Asst. to Dir., Tech. Planing, IBM, Hgrs., 112 E. Post Rd., White Plains, N.Y.

 BENDER, ROBERT G. (S'57-A'5B), Test Technician Electro Engry. Works, San Leandro, Calif.

 BENDER, WARREN G. (S'4B-A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs, Murray Hill, N.J.

 BENDER, WELCOME W. (SM'53), Dir., Rias Div., Martin Co., 7212 Bellona Ave., Baltimore 12, Md.

 BENDETT, RAYMOND M. (A'49-M'54), Design Engr., Martin Co., Orlando, Fla.

 BENDITT, RAYMOND M. (A'49-M'54), Steint Engr., Natl. Scientific Labs., 2010 Massachusetts Ave., N.W., Washington, D.C.

 BENDZ, WALDEMAR I. (M'54), Staff Engr., Martin Co.,

- BENDZ, WALDEMAR I. (M'54), Staff Engr., Martin Co., Baltimore 3. Md.
- BENDZ, WALDEMAR I. (M'54), Staff Engr., Martin Co., Baltimore 3, Md.
 BENECKE, HEINRICH O. (SM'55), Physicist & Engr., Naval Air Development Center, Johnsville, Pa.
 BENEDETTI, FREDERICK J., JR. (M'5B), Engr., Northrop Aircraft Co., Hawthorne, Calif.
 BENEDICT, CARL F. (S'52-M'56), Components Engr., Stromberg-Carlson; 1400 N. Goodman St., Rochester 9, N.Y.
- BENEDICT, DALE E. (A'50-A'51), Project Engr., Delco Prods. Div., GMC, Dayton, Ohio.

- BENEDICT, DONALD F. (S'54-M'56), ist Lt., USAF, OMS Box 762, Shaw AFB, S.C.
 BENEDICT, DDNALD L. (SM'53), Dir., Physical Sciences Div., Stanford Research Institute, Menio Park, Calif.
 BENEDICT, KENNETH D. (M'57), Engr., Bendix Aviation Corp., 95 & Troost, Kansas Citv, Mo.
 BENDICT, LOUIS P. (S'55-M'5B), Electronics Research Engr., Lockheed Missile Systems Div., Sunnyvale, Calif.
 BENDEDICT, T. WILLIAM (M'55), Asst. Works Mgr., Singer Mfg., 915 Pembroke St., Bridgeport, Conn.
 BENEDIKT, JOHN (A'53), Engr., Belock Instrument Corp., College Point, L.I., N.Y.
 BENKEE, ERWIN H. (S'50-A'51-M'56), Sr. Engr., Cook Research Lab., 6401 W. Dakton St., Morton Grove, Ill.
 BENEKE, JACK (A'56), Aeronautical Engr., Cornell Aeronautical Lab., 4455 Genesee, Buffalo, N.Y.
 BENENSON, CHARLES A. (S'50-A'51-M'58), Asst. Mgr., BENENSON, CHARLES A.

- BENENSON, CHARLES A. (S'50-A'51-M'5B), Asst. Mgr., Systems Lab., Allen B. DuMont Labs., Inc., 35 Market St., East Paterson, N.J.
- BENESCH, EDWARD J. (S'43-A'49-M'55), 2B-06 46 St., Astoria 3, L.I., N.Y.
- Astoria 3, L.I., N.Y.

 BENETEAU, BERNARD A. (M'56), Head, Instrumentation & Control's Sect., Pacific Semiconductors, Inc., 10441 W. Jefferson Blvd., Culver City, Calif.

 BENETEAU, PAUL J. (S'53-A'55), Engr., Fairchild Semiconductor Corp., B44 Charleston Rd., Palo Alto, Calif.

 BENETIER, LEON E. (S'57-M'58), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 BENEWICZ, THOMAS F. (M'58), Transmission Supvr., AT&T Co., 32 6 Ave., New York 13, N.Y.

 BENEW (C.Y.)

 BENEW (C.Y.)

- BENFIELD, A. E. (M'47-SM'53), Supvr., Elec. Labs., Div. of Engra. & Applied Physics; Lecturer on Applied Science, Harvard Univ., Cambridge, Mass.
 BENFIELD, CHARLES W. (A'51-M'56-SM'59), Electronics Scientist, Systems Branch, USN Underwater Sound Reference Lab., Box B337, O'Indano D.V., Fia.
 BENGALLI, NOSHIR K. (S'50-A'52-M'57), Hormusjee & Co., Automotive Engrs., West-Parade, Secunderabad, India.
 BENGE, J. R. (A'29-VA'39), Partner, Tech. Representation, 25 S. Easton Rd., Glenside, Pa.
 BENGER, WALTER C. (SM'55), Lab. Supvr., Northern Electric Co., Ltd., Box 400, Belleville, Ont., Canada.
 BENGSTON, PHILLIP S. (A'55), Sr. Engr., Minneapolis-Honeywell Regulator Co., Beltsville, Md.
 BENNATON, CEDRIC M. (M'59), Mng. Dir., Painton & Co.,
- Honeywell Regulator Co., Beltsville, Md.
 BENHAM, CEDRIC M. (M'59), Mng. Dir., Painton & Co.,
 Ltd., Bembridge Dr., Kingsthorpe, Northampton, England
 BENHAM, EDWARD E. (M'52), Chief Engr., KTTV, Inc.,
 5746 Sunset Blvd., Hollywood 2B, Calif.
 BENHAM, MILFORD J. (A'42-M'55), Physics & Engrg.
 Instr., Phoenix College, 1202 W. Thomas Rd., Phoenix,
 Ariz.

- BENHAM, THOMAS A. (A'41-SM'53), Asst. Prof., Haver-ford College, Haverford, Pa.
 BENIMA, DAVID (A'56), Circuits Design Engr., Remington Rand Univac, 19 & Allegheny, Philadelphia 29, Pa.
 BENIN, ZOLMON (A'29-VA'39-SM'52), Asst. Chief Engr., Electronics Div., Stromberg-Carlson Co., 1400 N. Good-man St., Rochester, N.Y.
- BENINGER, GERALD J. (A'56), Mgr., Provincial Electronic Distributors, Ltd., 641 York St., London, Ort., Canada. BENIOFF, HUGO (J'20-A'20-VA'39), Prof., Seismology, California Institute of Technology, 220 N. San Rafael Ave., Pasadena 2, Calif.
- Pasadena 2, Jairr.

 Pasadena 2, Jairr.

 BENISCH, NOEL E. (S'56-M'5B), 151-11 20 Rd.,

 Whitestone 57, L.I., N.Y.

 BENJAMIN, CHARLES E. (M'56), Engr., Westinghouse

 Elec. Corp., 7325 Penn Ave., Pittsburgh B, Pa.

 BENJAMIN, CHARLES R. (S'55-M'57), Staff Elec. Engr.,

 MIT, Lincoln Labs., Lexington 73, Mass.
- BENJAMIN, FRED (M'53), V.P., in Chg. Sales & Engrg. Magnetic Systems, Inc., 225 W. Duarte Rd., Monrovia, Calif.

- Calif.

 BENJAMIN, HAROLD J. (S'56-M'5B), Assoc. Engr.,
 Martin Co., Baltimore 3, Md.

 BENJAMIN, HARRY L. (A'55), Supvr., Reliability Engrg.
 Unit, LMED, GE Co., Utica, N.Y.

 BENJAMIN, J. MALVERN, JR. (SM'55), Pres., Biophysical
 Electronics, Inc., 20 E. Herman St., Philadelphia 44, Pa.
 BENJAMIN, JOSEPH N. (SM'53), Pres., Bogen-Presto Div.,
 Siegler Corp., Box 500, Paramus, N.J.

 BENJAMIN, LAWRENCE P. (A'55), Patent Engr., Allen B.
 DuMont Labs., 2 Main Ave., Passaic, N.J.

 BENJAMIN, ROBERT P. (A'56), Principal Electronics Engr.,
 Emerson Research Labs., 701 Lamont St., N.W., Washington,
 D.C.

- D.C.
 BENJAMIN, SIDNEY K. (A'52-M'55), Group Leader, Electronics Circuits, Genl. Precision Lab., Inc., 63
 Bedford Rd., Pleasantville, N. Y.
 BENJAMIN, VERNON E. (S'4B-A'52-M'57), Supvy.
 Electronics Scientist, David Taylor Model Basin, USN, Washington 7, D.C.
 BENJAMINSON, ALBERT (S'46-A'50-M'56), Engrg. Sect. Head, Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.
- BENKELMAN, GLEN F. (A'2B-SM'46), Consulting Engr., 1105 Homewood Dr., Lakewood 7, Ohio.
- 1105 Homewood Dr., Lakewood /, Onio.
 BENKLEY, FRED, JR., (S'43-A'45-M'55), 35 Whipple
 Rd., Lexington 73, Mass.
 BENKO, GEORGE M. (A'59), Asst. Plant Physician, Esso
 Standard Oil Co., Box 222, Linden, N. J.
 BENKUS S, PETER D. (S'53-A'54-M'57), Supwr., Applications Engrg., CBS-Hytron, 100 Endicott St., Danvers,
 Mass.
- BENMAN, EUGENE J. (SM'56), Engrg. Supvr., GE Co., Utica, N.Y.
- BENN, DONALD G. (A'57), Sr. Engr., Flight Controls, The Martin Co., Drawer "M", Cocoa, Fla. BENN, ROBERT E. (M'52), Dev. Engr., Burroughs Corp., Paoli, Pa.
- Paoli, Pa.
 BENNER, ARTHUR H. (S'43-M'50-SM'54), Engrg. Mgr., Defense Engrg. Prods, RCA, Camden, N.J.
 BENNER, BILL (S'49-A'50-M'55-SM'59), Sr. Systems Engr., McDonnell Aircraft Corp., Lambert Airport, Advanced Electronics, St. Louis 66, Mo.
- BENNER, FRANK D. (M'56), Feild Engr., Schlumberger, Box 2393, Dawson Creek, B.C., Canada. BENNER, ROBERT G. (A'57), Techincian, Southwestern Industrial Electronics, 10201 Westheimer, Houston, Tex.

- BENNER, THEODORE A. (M'46), Supvg. Elec. Engr., Gibbs & Hill, Inc., Pennsylvania Sta., New York 1. N.Y. BENNETSEN, WAYNE J. (M'47), Asst. to V.P., Electroni & Avionics Div., The Emerson Elec. Mfg. Co., B100 Florissant Ave., St. Louis 21, Mo. BENNETT, ALBERT I. (S'49-4)52-M'57), Field Engrg. Supvr., Airborne Instrument Lab., Mineola, L.I., N.Y.
- Supvr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 BENNETT, ALBERT J. (A'5B), Electronics Technician,
 Sylvania Elec. Prods., Inc., 1891 E. 3rd St.,
 Williamsport, Pa.
 BENNETT, ALLAN I., JR. (S'54), Research Physicist,
 Westinghouse Research Labs., Beulah Rd., Pittsburgh 35,
 Pa.

- Pa.

 BENNETT, ANCEL O. (A'52), Project Engr., ElectroMechanical Lab., Dept. of Army, White Sands Proving
 Ground, N.M.

 BENNETT, ARCHIE (A'54), Electronics Engr., Northrop
 Aircraft, Inc., Palmdale, Calif.
 BENNETT, ARTHUR F. (M'54-SM'54), Retired. R.D. 1,
 Pittstown, N.J.

 BENNETT, ARTHUR L. (SM'56), Chief, Physical Sciences
 Div., Engrg. Experiment Sta., Georgia Institute of Technology, Atlanta 13, Ga.

 RENNETT, RYRON J. (SM'55). Advisory Engr., IBM,

- nology, Atlanta 13, Ga.
 BENNETT, BYRON J. (SM'55), Advisory Engr., IBM, 99 Notre Dame Ave.. San Jose 10, Calif.
 BENNETT, CHARLES T. (A'54), Exchange Repair Foreman, Michigan Bell Tel. Co., Lansing, Mich.
 BENNETT, EDWARD Y., JR. (S-51-A'53-M'5B), Electronics Engr., Magnavox, 2131 Bueter Rd., Ft. Wayne, Ind.
- BENNETT, GORDON T. (SM'45), Mathes Mfg. Co., Box 1405, 2115 Runnels St., Houston, Tex. BENNETT, HAROLD W. (SM'56), Test Set Design & Con-struction, Raytheon Mfg. Co., 124 Galen St., Watertown, Mass.
- Mass.

 BENNETT, HERBERT S. (A'42-M'43-SM'44), Sr. Project
 Engr., ITT Labs., Nutley 10, N.J.

 BENNETT, HOWARD W. (M'44), V.P., Industrial Relations, Natl. Education Progarm, Harding College, Searcy, Ark.

- Ark.

 BENNETT, J.R. G. (S'41-A'44-SM'55), MaJ., Head, Engrg, Dev. Labs., Army Development Est., Dept. of Natl. Defense, Ottawa, Ont., Canada.

 BENNETT, JAMES L. (M'55), Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 BENNETT, JAMES R. (S'53-A'55), Electronics Engr., ElectroData Div., Burroughs Corp., 460 Sterra Madre Villa, Pasadena, Calif.
- BENNETT, JOHN E. (S'52-A'53-M'57), Electronics Engr., Sylvania Elec. Prods., Inc., 175 Great Arrow, Buffalo 7, N.Y.

- Sylvania Elec., Prods., Inc., 175 Great Arrow, Buffalo 7, N.Y.

 BENNETT, JOHNNIE W. (\$'55-M'57), Asst. Project Engr., Bennix Radio Corp., E. Joppa Rd., Baltimore 4, Md.

 BENNETT, JOSEPH R. (A'56), Field Engr., RCA, 6355 E. Washington Blvd., Los Angeles 22, Callí.

 BENNETT, KEMP (M'56), Military Sales Rep., Lockheed Missiles & Space Div., Palo Alto, Callí.

 BENNETT, LESLIE F. (A'46-M'55), Asst. Div. Head, Approvals Div., Tel. Air (Camesa), Dept. of Natl. Defense, 72 Queen St., Ottawa, Ont., Canada.

 BENNETT, LOUIS (A'55), Owner, Paramount Radio, 765 3rd Ave., New York 17, N.Y.

 BENNETT, PAUL E. (S'49-A'50-M'56), Sr. Engr., Haller, Raymond & Brown, inc., State College, Pa.

 BENNETT, PAUL E. (M'44), Field Engr., Gliffillan Bros., Inc., 1B15 Venice Bilvd., Los Angeles 6, Callíf.

 BENNETT, RALPH D. (SM'44-F'52), Mgr., Vallecitos Atomic Lab., GE Co., Box 846, Vallecitos Rd., Pleasanton, Callíf.

 BENNETT, RALPH D. (SM'44-F'52), Mgr., Vallecitos Rd., Pleasanton, Callíf.

 BENNETT, ROBERT R. (S'50-A'52-M'57), Owner, Data Processing, 572 Washington St., Wellesley, Mass. BENNETT, ROBERT G. (S'51-A'55-M'56), Electronics Engr., RCA, 11B19 W., Olympic Bilvd., Los Angeles 64, Callíf.
- BENNETT, ROBERT R. (S'46-A'50-M'55), Mem. Tech. Staff, Ramo-Woolridge, BB20 Bellanca, Los Angeles 45, Calif.
- BENNETT, ROGER E. (M'54), Deputy Mgr., Crystal Div., Union Thermoelectric Corp., 2001 Greenleaf, Evanston, III.
- III.
 BENNETT, RUSSELL C. (A'46-M'53), Transmitter Supvr.,
 KFBK, 21 & Q Sts., Sacramento, Calif,
 BENNETT, STANTON D. (S'38-A'40-5M'50), Asst. Dir.,
 Linfield Research Institute, Linfield College, McMinnville,

- Ore.

 BENNETT, VANE M. (M'57), Project Engr., Ryan Aeronautical Co., San Diego 25, Calif.

 BENNETT, W. FREDERICK (S'51-A'52-S'55-M'56),
 Lab. Demonstrator, Univ. of British Columbia, Vancouver,
 B.C., Canada.

 BENNETT, WESLEY F. (A'54), Prod. Engr., Western Electric Co., Marion & Vine Sts., Laureldale, Pa.

 BENNETT, WILERED P. (S'43-A'46-M'51-SM'56), Mgr.,
 Pa.

 BENNETT WILERED P. (S'43-A'46-M'51-SM'56), Mgr.,
 Pa.

 BENNETT WILERED P. (BY45-M'51-SM'56), Mgr.,
 Pa.
- Pa.

 BENNETT, WILLIAM E. (M'57), Sr. Electronics Engr., Convair, San Diego 12, Calif.

 BENNETT, WILLIAM H. (M'5B), Physicist, U. S. Naval Avionics Facility, 21 & Arlington, Indianapolis 1B, Ind.

 BENNETT, WILLIAM R. (SM'45-F'56), Tech. Program Coordinator, Dept. of Communication Techniques Research, Bell Tel. Labs., Murray Hill, N.J.

 BENNETT, WILLIAM S. (SM'57), Mgr., Quality Control Dept., Electronic Defense Lab. Div., Sylvania Elec. Prods., Inc., 123 Whisman Rd., Mountain View, Calif. BENNICH, EDWARD, JR. (M'59), Box 356, Mary Esther, Fla.
- BENNIGHOF, RAYMOND H. (S'49-A'53-SM'57), Sr. Design Engr., Aircraft Armaments, Inc., York Rd., Cockeysville, Md.
- Md.
 BENNING, FREDERIC N. (M'5B), Mem. Tech. Staff, Control Systems Olv., Ramo-Wooldridge Corp., Box 45534, Airport Sta., Los Angeles 45, Calif.
 BENNING, GEORGE L. (A'53), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 BENNING, HARVEY H. (SM'55), Dept. Head, Aircraft Radio Corp., Boonton, N.J.

- BENNINGER, BERNARD G. (S'56-M'5B), Electronics Engr.,
 Naval Missile Center, Point Mugu, Callf.
 BENNINGFIELD, LLOYD M. (A'54), Asst. Prof., Elec.
 Engrg., Univ. of Missourl, Columbia, Mo.
 BENNION, DAVID R. (S'50-A'51-M'56), Research Engr.,
 Stanford Research Institute, Menio Park, Callf.
 BENNION, JUNIUS L. (M'57), Sclentist, Lockheed Missile
 Systems Div., Sunnyvale, Callf.
 BENNISON, GEORGE K. (A'45-M'51), Sect. Chief, Rome
 Air Development Center, Griffiss AF B, N.Y.
 BENNON, MEYER (A'43-M'5B), Engr., GE Co., 319B
 Chestrut St., Philadeiphia 4, Pa.
 BENNORTH, DONALD W. (A'57), Sr. Test Engr., Bendix
 Computer Div., 5630 Arbor Vitae St., Los Angeles 45,
 Cailf.
 BENNS, WILLIAM E., JR. (A'45-M'55). Consulting Radio

- Computer Div., 5630 Arbor Vitae St., Los Angeles 45, Calii.

 BENNS, WILLIAM E., JR. (A'45-M'55), Consulting Radio Engr., 3B02 Military Rd., N.W., Washington 15, D.C.

 BENOIT, GEORGE F. (A'52-M'57), Systems Mgr., Raytheon Mgr. Co., Wayland, Mass.

 BENOIT, RAYMOND E. (A'54), Mgr., IBM, Monterey & Cottle Rd., San Jose, Calif.

 BENOIT, RICHARD C., JR. (M'47-SM'53), Chief, Direction Finding & Telecommunications Branch, USAF, Rome Air Development Center, Griffiss AFB, N.Y.

 BENOLIEL, ISRAEL (SM'59), Enor., RCA. Camden. N.J.

 BENOLIEL, ISRAEL (SM'59), Enor., RCA. Camden. N.J.

 BENOLIEL, ISRAEL (SM'59), Enor., RCA. Camden. N.J.

 BENOLIER, YOGS., Inc., Woburn, Mass.

 BENOWITZ, ROBERT B. (S'55-M'56), Field Service Rep., LMED, GE Co., Utica, N.Y.

 BENSERF, WALLIAM O. (S'5B-M'5B), Field Engr., Tech-Rep., Philico Corp., 22 & Lehigh, Philadelphia 32, Pa.

 BENSEN, HOWARD (S'50-A'52-M'57), Sr., Dev. Engr., Servo Corp. of America, 20-20 Jericho Tpke., New Hyde Park, L.I., N.Y.

 BENSER, RAYMOND F. (M'56), Research Electronics Engr., Lockheed Missiles Systems Div., Santa Cruz Test Base, Santa Cruz, Calif.

 BENSINGER, CLAUDE (S'55-A'55), TechRep., Field Engr., Philico Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 29, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 29, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 29, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 29, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 22, Philos Corp., 22 St. & Lehigh Aug. Bhiladelphia 21, Ph
- Samta Cruz, Calir.

 BENSINGER, CLAUDE (S'55-A'55), TechRep. Field Engr., Philos Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 BENSKY, LOWELL S. (S'4B-A'51-M'56), V.P., Digital Systems Div., Rese Engrg., Inc., 731 Arch St., Philadelphia, Pa.
- gennia, Ma.

 BENSMAN, RICHARD W. (M'57), Research Engr., Champion Spark Plug Co., Toledo, Ohlo.

 BENSON, ALEX L. (M'56), Electronics Design Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.

- meter Magnetics, Inc., 2249 Pontius Ave., Los Angeles 64, Calif.

 BENSON, ALLEN B. (\$'55-M'56), Assoc. Engr., IBM, Poughkeepsie, N.Y.

 BENSON, ARTHUR L. (M'57), Electronics Engr., Applied Research, Inc., 135 S. LaSalle St., Chicago, III.

 BENSON, BYRON C. (\$'56-M'57), Officer, USN, Engr., USS Hartley (DE 1029), FPD, New York, N.Y.

 BENSON, CHARLES E. (S'56-M'58), Electronics Engr., RCA, 11B19 W. Olympic Bivd., Los Angeles 64, Calif. BENSON, FRANK A. (M'50), Lecturer, Univ. of Sheffield, St. George's Sq., Sheffield 1, England.

 BENSON, JOHN E. (A'39-VA'39-SM'50), Sr. Dev. Engr., Amalgamated Wireless, Australias, Ltd., 47 York St., Sydney, N.S. W., Australia.

 BENSON, N.S. W., Australia.

 BENSON, N.S. W., Australia.

 BENSON, K. BLAIR (M'4B), Sr. Project Engr., CBS-TV, 4B5 Madison Ave., New York, N.Y.

 BENSON, LARRY G. (S'57-A'57), Electronics Technician, Benson Sales & Service, London Mills, III.

 BENSON, MORTON C. (A'46-SM'55), Electronics Engr.,

- Benson Sales & Service, London Mills, III.
 BENSON, MORTON C. (A'46-SM'55), Electronics Engr.,
 RCA Service Co., Camden, N.J.
 BENSON, RAYMOND S. (M'57), Sr., Sales Engr., Garrett
 Corp., 9851 S. Sepulveda Bivd., Los Angeles, Callf.
 BENSON, ROBERT K. (J'41-A'42-M'55), Project Engr.,
 McKiernan Terry Corp., 100 Richards Ave., Dover, N.J.
 BENSON, ROBERT W. (M'52), Asst. Mgr., Physics Dent.,
 Armour Research Foundation, Technology Center, Chicago
 16. III.
- BENSON, ROGER A. (A'59), Engrg. Writer, Computer Dept., GE Co., 13430 N. Black Canyon Hwy, Phoenix, Ariz. BENSON, ROY A. (S'49-A'51-M'56), Sr. Electronics Engr., Detroit Controls Corp., 560 Providence Hwy., Nor-wood, Mass.
- BENSON, SAMUEL A. (A'54), V.P., Industrial Sales, Wallace & Wallace, 1206 Maple Ave., Los Angeles 15, Calif.

- Calif
 BENSON, STANLEY (A'42-SM'52), Staff Engr., Lockheed
 Missile Systems Div., Box 504, Sunnyvale, Calif.
 BENSON, STANLEY E. (A'33-M'55), Mgr., Microwave
 Communications Engrq., Philoc Corp., 4700 Wissahlckon
 Ave., Philadelphia 44, Pa.
 BENSON, WILLIAM H., JR. (S'48-A'50-M'55), Field
 Service Rep., Govt. Prods., GE Co., Syracuse, N.Y.
 BENTIVEGINA, JOSEPHT. (S'56-A'57), Electronics Technician, Federal Electric Corp., Box 153, Anchorage, Alaska.
 BENTIVEGINA MICHAEL I. (A'52-M'57) Destan & Dev
- nician, Federal Electric Corp., Box 153, Anchorage, Alask BENTIVEGNA, MICHAEL J. (A'53-M'57), Design & Dev. Engr., GE Co., Syracuse, N.Y. BENTLEY, ALAN W. (S'53-A'55), Electronics Engr., Convair-Astronautics, San Diego, Callf. BENTLEY, ALBERT D., JR. (S'49-A'50-M'5B), Engr., GE Co., Box 1B22, Port Area, Manila, Phillippines. BENTLEY, ALFRED Y. (S'42-A'44-SM'51), Mgr. of Operations, Autometric Corp., 331 W. 44 St., New York, N.Y.

- N.Y.

 BENTLEY, DARRELL E. (A'54), Electronics Engr., Goodyar Aircraft Corn., Akron 15, Ohio.

 BENTLEY, EDWARD M. (S'53-A'55), Dev. Engr., Continental Electronics Mgr. Co., 4212 S. Buckner Blvd., Dalias 27, Tex.

 BENTLEY, FLOYD C. (A'53-M'5B), Design Engr., Westinghouse Elec. Corn., Box 1897, Baltimore 3, Md.

 BENTLEY, JAMES H. (S'56-M'58), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 BENTLEY, JOSEPH W. (SM'5B), Lecturer, Elec. Engrg., The College of Further Education, Wolverton, Bucks., England.

 BENTLEY, RICHARD L., JR. (M'57), Sr. Systems Design
- England.
 BENTLEY, RICHARD L., JR. (M'57), Sr. Systems Design
 Engr., Chance-Vought Aircraft, Inc., Dallas, Tex.
 BENTLY, DONALD E. (M'56), Bently Scientific Co., 2B11
 7 St., Berkeley 10, Calii.

- BENTON, ARCHIE (S'5B-M'5B), Elec. Engr., Western Electric Co., Winston-Salem, N.C.
 BENTON, CLARENCE U. (M'54), Supvy. Electronics Engr., USAF, Box 167, Cloudcroft, N.M.
 BENTON, HARLAN B. (A'5B), Field Engr., RCA Govt.
 Service Co., Camden B, N.J.
 SERVICE, LOUIS A. (S'65-M'5R), Fleetronics Engr., Cen-
- Service Co., Camden B, N.J.
 BENTON, LOUIS A. (S'56-M'5B), Electronics Engr., Census Bureau, Sultland, Md.
 BENTON, ROBERT F. (A'52-M'57), Sr. Tech. Consultant,
 Range Dev. Dept., Pacific Missile Range, Point Mugu,
 Calif.
- Callf.

 BENTON, WILLIAM J. (A'53-M'59), Asst. Supt., Communications, Sinciair Pipe Line Co., Independence, Kan. BENTROTT, DONALD W. (S'54-A'55), Elec. Design Engr., Convair-Astronautics, San Diego, Calif.
 BENTZ, RONALD D. (S'56-A'5B), Staff Asst., Sandla Corp., Sandla Base, Albuquerque, N.M.
 BENVENGA, FRANK T. (M'56), Electronics Engr., Materiel Area, Rome Air Development Center, USAF, Griffiss AFB, N.Y.

- N.Y.

 BENVARE, ROBERT T. (S'41-A'44-SM'51), Chief Engr., Equipment Engrg., Philoc Corp., Govt. & Industrial Div., 3B75 Fabian Way, Pato Alto, Calif.

 BENWAY, ROBERT E. (A'53-M'5B), Mgr., Developmental Kinescope Design, RCA, 3301 S. Adams St., Marion, Ind. BENZ, BERNARD D. (M'56), Sr. Engr., Ampex Corp., B60 Chartes St., Redwood City, Calif.

 BENZ, JOHN K. (S'50-A'52-M'57), Elec. Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.

 BENZ, WILLIAM G. (S'54-M'57), Assoc. Engr., IBM, 99 Notre Dame, San Jose, Calif.

 BENZON, C. GEORGE (A'30-VA'39-M'55), Chief, Air Navigation Facilities Div., FAA, 3rd Region, 4B25 Troost, Kansas City 10, Mo.

 BENZULY, HAROLD J. (S'49-A'50-M'55), Sr. Research

- BENZULY, HAROLD J. (S'49-A'50-M'55), Sr. Research Engr., Warwick Mig. Corp., 7300 N. Lehigh Ave., Chi-
- BENZULT, MARWICK Mfg. Corp., /300 m. Engr., Warwick Mfg. Corp., /300 m. Engr., South a Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N. Y.
 BERANEK, LEO L. (S'36-A'41-SM'45-F'52), Pres., Bolt, Beranek & Newman, Inc., 50 Moulton St., Cambridge 3B Mass.
- BERANEK, WILLIAM J. (M'5B), Resident Engr., at Canadian Marconi, Collins Radio Co. of Canada, Ltd., 74
 Sparks St., Ottawa 4, Ont., Canada
- BERBER, JOHN (A'56), Engr., Kollsman Instrument Corp., BO-0B 45 Ave., Elmhurst 73, L.I., N.Y.

- BO-OB 45 Ave., Elmhurst 73, L.I., N.Y.
 BERBEREK, WALTER J. (A'54), Instr., DeVry Technical
 Institute, 4141 Belmont, Chicago 41, III.
 BERBERICH, ROBERT J. (A'52), Owner, Superior Service
 Co., 3520 Harrison Ave., Cincinnati 11, Ohio.
 BERCAW, JAMES D. (S'56-M'5B), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 BERCAW, ORVILLE M., JR. (S'49-A'50-M'55), Sales
 Engr., Bercaw & Young, 333 N. Michigan Ave., Chicago
 1, III.
- BERCH, WILLIAM H, (S'51-A'54-M'5B), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- BERCOVITZ, NATHANIEL, JR. (S'51-A'52-M'5B), Engr., DYSR, Dumaguete City, Philippines.
 BERCSI, JOSEPH A. (M'5B), 2016 Dracena Dr., Los Angeles 27, Calif.
 BERMAN, EDWIN W. (A'52), Engr., KAKE-TV, 1500
 N. West St., Wichita, Kan.
 BERENBERG, OSCAR (S'4B-M'56), Sr. Project Engr., Eclipse-Pioneer Div., Bendix Aviation Co., Teterboro, N.J.
 BERENDSEN, CHARLES G. (S'51-A'52-M'56), Survy.
 Engr., Hazeltine Electronics Div., Little Neck, Lin., N.Y.
 BERENS, GREGORY E. (M'47-SM'50), Sr. Project Leader, Motorofa Research Lab., B102 E. McDowell, Phoenix, Ariz.
- Guided Missiles
- Ariz.
 BERENS, JULIUS (S'51-A'52-M'57-SM'59), Publications Sect. Head, Republic Aviation Corp., Guided Missild Div., 223 Jericho Toke., Mineola, L.I., N.Y.
 BERENYI, SZILARD (4'58-M'59), Mfg., Laboratories Lambda, Aranguren St. 136, Buenos Aires, Argentina.
 BERESFORD, ARTHUR C. (M'5B), Asst. Supt., Communications, Shawinioan Water & Power Co., Box 6072, Montreal, P.O., Canada.
 BERESFORD DONALD R. (A'49-M'55), Electronics Engi
- BERESFORD, DONALD R. (A'49-M'55), Electronics Engr., U.S. Naval Ordnance Test Sta., Code 4531, China Lake, Calif.
- Uailf.

 BERESFORD, HARRY E., JR. (A'52-M'59), Maj., USAF, Hgrs., The Pentagon, Washington, D.C.

 BERESKIN, ALEXANDER B. (A'41-M'44-SM'46-F'5B), Prof., Elec. Engrg., Univ. of Cincinnati, Cincinnati 21, Ohio.
- Ohio.

 BEREZA, ALBERT, (S'42-A'45-M'55), Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 BERG, ALBERT L. (A'54), Pres. Electro Sales Co., Inc.,
 50-5B Eastern Ave., Boston 13, Mass.
 BERG, ALTON A. (M'57), Systems Engr., Motorola, Inc.,
 4545 W. Augusta Blvd., Chicago 51, III.
- 4545 W. Augusta Bivd., Chicago 51, Ill.

 BERG, ARNOLD M. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BERG, BERTHIL V. (A'46-M'46), Electronics Engr., Geo-Science, Inc., Box 112B, Alamogordo, N.M.

 BERG, CARL H. (A'52), Engr., Systems Div., Collins Radio Co., Cedar Rapids, Iowa.

 BERG, CARL S. (S'56-M'57), Sr. Engr., Philco Coro., C & Tioga Sts., Philadelphia 45, Pa.

 BERG, DONALD F. (S'51-A'53-M'56), Tech. Engr., GE Co., Lockland Hwy., Gincinnati 15, Ohio.

 BERG, FRANCIS J. (S'56-M'59), Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 BERG, GUNNAR M. (S'57-M'5B), Elec. Engr., ITT Labs., Nutley 10, N.J.

- Nutley 10, N.J.
 BERG, HARRY (M'55), Chief Engr., WAIT, 188 W. Randolph St., Chicago 1, Ill.
 BERG, HOWARD C. (A'5B), Vanderbilt Hall 431, 107 Ave., Louis Pasteur, Boston 15, Mass.
 BERG, HOWARD O., SR. (A'42), Chief Engr., Extron Corp., 600 S. Marshfield, Chicago 12, Ill.
 BERG, MYLES R. (S'55-M'57), Research Engr., Stanford Research Institute, Menlo Park, Calif.
 BERG, NEPHI E. (M'56), Staff Consultant, Lehigh Engrg. Newark, N.J.

- PERG, RICHARD E., JR. (S'57-A'5B), Tech. Aide, Chrysler Missile Div., Warren, Mich.
 BERG, RICHARD L. (S'56-M'5B), Assoc. Engr., Douglas Aircraft Co., Inc., Sarta Monica, Calif.
 BERG, ROBERT C. (A'43), Foreman, Consolidated Electric Co., Grand Rapids, Mich.
 BERG, ROBERT S. (S'49-A'51-M'56), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.
 BERG, ROY S. (S'51-A'55), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BERG, RUSSELL A. (A'37-M'45), Engr., Waltham Electronics Corp., 751 Main St., Waltham 76, Mass.
 BERG, SYERRE (M'577), BS31 Crain Ave., Maine Township, Nies 4B, III.

- Niles 4B, III.

 BERG, WILLIAM B., JR. (A'52-M'56), Test Engr., Naval Research Lab., Washington 25, D.C.

 BERGAMD, MICHAEL V. (S'55-M'57), Test Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

 BERGAN, KENNETH N. (A'43-SM'54), Electronics Engr., Automatic Control Co., 995 University Ave., St. Paul 4, Minn.

- BERGAN, KENNETH N. (A'43-SM'54), Electronics Engr., Automatic Control Co., 995 University Ave., St. Paul 4, Minn.
 BERGAN, MARTIN D., JR. (S'55-A'57), Operating Engr., WBGO-FM, 345 High St., Newark, N. J.
 BERGANT, GEORGE G. (M'56), Sr. Electronics Engr., Convair, San Diego, Calif.
 BERGANT, GEORGE G. (M'56), Sr. Electronics Engr., Convair, San Diego, Calif.
 BERGDAHL, LOUIS A. (S'53-A'54-M'59), Elect. Engr., Grumman Aircraft Engre. Co., Bethpage, L. I., N. Y.
 BERGDAHL, ROBERT F. (A'5-4), Tube Application Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.
 BERGE, PAUL J. (S'4B-A'49-M'55), Electronics Project Engr., Office of Naval Research Special Devices Center, Port Washington, L. I., N. Y.
 BERGE, RALPH I. (A'52), Engr., IBM. Owego. N. Y.
 BERGE, RAYMOND G. (A'43-M'45-SM'54), Radio Engr., RCA, 75 Variot St., New York 13, N. Y.
 BERGE, RAYMOND G. (A'43-M'45-SM'54), Radio Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.
 BERGERMANN, GERALD T. (S'50-A'54-M'59), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 BERGEN, ARTHUR R. (A'55-M'59), Asst. Prof., Elec. Engr., Univ. of California, Berkeley 4, Calif.
 BERGEN, HAROLD A. (S'49-A'50-M'55), Burson-Marsteller Associates, Inc., 1BS N. Wabash Ave., Chicago J., III.
 BERGEN, SERGE (A'55-SM'56), Consulting Radio Engr., Jansky & Bailey Inc., 1735 DeSales St., N. W., Washington, D.C.
 BERGER, ARVID W. (S'49-A'50-M'55), Project Engr., BERGER, DANIEL (S'48-A'50-M'55), Project Engr., Berger, DANIEL (S'48-A'50-M'55), Project Engr., Biophysical Electronics, Inc., 20 E. Herman St., Philadelphia 44, Pa.
 BERGER, ENNEST G. (M'56), Tech. Advisor, USAF, 130th AC&W Flight, Municipal Airport, Salt Lake City, 11-ch.

- BERGER, ERNEST G. (M'56), Tech. Advisor, USAF, 130th AC&W Flight, Municipal Airport, Salt Lake City,
- Utan.
 BERGER, EWALD W. (A'39-VA'39-M'49-SM'56), Consulting Radio Engr. & Dir. of Engrg., Cal Val, Inc., KXOA, Box 3094, Sacramento 15, Calif.
 BERGER, FRANCE B. (SM'52), Dir., Research & Dev. Planning, Genl. Precision Lab., Inc., 63 Bedford Rd., Pleasantville, N.Y.
- BERGER, J. LOUIS (S'47-A'49-M'55), Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- on the control of the

- BERGERON, LAUREN A. (M'5B), Supvy. Electronics Specialist, Hors. Ground Electronics Engrg. Installation Agency, Griffiss AFB, N.Y. BERGERON, WILLIAM F. (A'53-M'5B), Sales Engr., Sylvania Elec. Prods., Inc., 1000 Huyler St., Teterboro, N.J.

- N.J.

 BERGERSON, C. WILLIAM (A'42), Mgr. & Owner, Elec.
 Instrument Labs., 1487 Hertel Ave., Bulfalo 16, N.Y.

 BERGES, WILLIAM P. (A'59), Electronics Technician, GE
 Co., 319B Chestrat St., Philadelphia. Pa.

 BERGESON, ANDREW H. (SM'54), V.P., Stromberg-Carlson
 Co., 1625 Eye St., N.W., Washington 6, D.C.

 BERGFIELD, WILLISE. (S'57-M'5B), Elec. Engr., Goodygar Air, craft Corp., Litchfield Park, Ariz.

 BERCHERR, WILLIAM (A'51), Mgr., Electromech. Sect.,
 Loral Electronics Corp., B25 Bronx Fluer Ave., New York
 72, N.Y.

- 72, N.Y.
 BERGHOEFER, FRED G. (S'41-A'45-M'55), Scientific Analyst, MIT, Operation Evaluation Group, Navy Dept., Washington 25, D.C.
 BERGLUND, ALBERT O., JR. (M'59), Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, III.
 BERGLUND, ANSEL Q. (M'57), F. Engr., Librascope, Inc., BOB Western Ave., Glendale, Calif.
 BERGLUND, DAVID B. (S'53-A'54), System Design Engr., Chance-Vought Aircraft, Dallas, Tex.

- BERGLUND, ERIK B. (A'4B-SM'53), Video Facilities Engr., NBC, 30 Rockefeller Plaza, New York, N.Y. BERGLUND, JOHN F. (M'59), Elec. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

- stuments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 BERGMAN, CARL W., JR. (S'4B-A'53), Research Engr.,
 GE Co., 735 State St., Santa Barbara, Cailf.
 BERGMAN, CLARENCE E. (S'4B-A'50-M'5B), Branch Myr.,
 Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 BERGMAN, ELMER J. (A'54), Radio Dept. Myr., MidStates Aviation Corp., Sky Harbor Airport, Northbrook, III.
 BERGMAN, RICHARD H. (M'57), Dev. Engr., RCA,
 Camden, N.J.
 BERGMAN, ROBERT L. (A'56), Radar Engr., Digital &
 Analog Data, Philico Corp., 3875 Fabian Way, Palo Alto,
 Cailf.

- Calif.

 BERGMAN, ROBERT S. (S'5B-M'59), Engr., Sylvania Elec. Prods., Inc., B20 Fabian Way, Palo Alto, Calif.

 BERGMAN, RUSSELL E. (A'57), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 BERGMAN, SAMUEL I. (A'46-SM'54), Elec. Systems Staff, Republic Aviation Corp., Farmingdale, L.I., N.Y.

 BERGMAN, SIONEY G. (M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BERGMANN, HENRY M. (A'43-M'55), 205 Edgewood Ave., New Haven 11, Conn.

 BERGMANN, SAUL M. (M'56), Sr. Engr., Lab. for Electronics., 75 Pitts St., Boston 14, Mass.

 BERGQUIST, ANDREW O. (A'56), Technician, Electronics Research, Petty Labs., Inc., 317 6 St., San Antoinio 6, Tex.

 BERGQUIST, PAUL (M'4B), Broadcast Sales Rep., RCA

- Tex.

 BERGGUIST, PAUL. (M'AB), Broadcast Sales Rep., RCA, 1625 K St., N.W., Washington, D.C.

 BERGREN, A. L. (A'45-SM'47), Pres., Radio Industries, Inc., 130 T Central, Kansas City, Kan.

 BERGSETH, F. ROBERT (A'51-M'56), Prof., Elec. Engrg., Univ. of Washington, Seattle 5, Wash.

 BERGSTAD, PER A. (A'53-SM'5B), Engr., Genl. Radio Company, 22 Baker Ave., West Concord, Mass.

 BERGSTEIN, LEDNARD E. (A'53), Asst. Prof., Elec. Engr., Dept., The City College, 139 St. & Convent Ave., New York, N.Y.
- New York, N.Y.

 BERGSTROM, CARL J. (A'55), Sr. Engr., Remington Rand Univac, 19 St. & Allegheny, Philadelphia, Pa.

 BERGSTROM, ROLF G. (A'5B), Civil Engr., A.G.A., Box F., Roslags, Nasby, Sweden.
- BERGTHOLD, FREDERICK M., JR. (S'57-M'59), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont, Anaheim, Calif.
- Ananeim, Calif.
 BERILLA, DONALD (M'59), Engr., Jansky & Bailey,
 Inc., 1339 Wisconsin Ave., N. W., Washington, D.C.
 BERINSKY, MORRIS (4'44-M'55), Pres., Ad-Ritz Mfg.
 Cop., 93-07 63 Dr., Rego Park, L.I., N.Y.
 BERK, ARISTID D. (SM'56), Sect. Head, Hughes Aircraft
 Co., Culver City, Calif.
- BERK, DONALD M. (4'54), Elec. Engr., Consumers' Research, Inc., Washington, N.J. BERK, JAMES (S'57-M'5B), Box 172, New York 31, N.Y.
- BERK, MURRAY A. (M'5B), Elec. Engr., ITT Labs, Nutley 10, N.J.
- Nutley 10, N.J.

 BERKE, LAWRENCE C. (S'51-A'53-M'57), Project Engr.,
 American Bosch Arma Corp., Garden City, L.I., N.Y.

 BERKELEY, EDMUND C. (A'53-M'5B), Pres., Berkeley
 Enterprises, Inc., B15 Washington St., Newtonville 60,
 Mass.
- BERKERY, EUGENE A. (A'47), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. BERKEY, RENO H. (A'46), Pres., The Sun Radio Co., 110 E. Market St., Akron B., Ohio.
- 110 E. Market St., Akron B, Ohio.
 BERKHEIMER, REUBEN H. (M'46), Supvy. Engr., Electronics Div., Office of Asst. Industrial Mgr., USN, 2400
 11 Ave., S. W., Seattle, Wash.
 BERKIN, ALEXIS M. (S'50-A'54), Field Engr., Emerson Research Labs., 701 Lamont St., N.W., Washington 10, D.C.

- D.C.

 BERKLEY, CARL (A'45), Research Assoc., Rockefeller Institute, New York, N.Y.; Mem. Tech. Staff, RCA Labs., Princeton, N.J.

 BERKLEY, JOSEPH B. (SM'55), Mgr., Application Engrg., Electronics Lab., GE Co., Syracuse, N.Y.

 BERKLEY, ROY D. (S'57-M'5B), Test Engr., Convair, Ft. Worth, Tex.

 BERKLEY, WILLIAM H. (S'55-A'56), TV Technician, RCA Service Co., 911 N. Orange Dr., Hollywood, Calif.

 BERKNER, LLOYD V. (A'26-M'34-SM'43-F'47), Pres., Associated Universities, Inc., 10 Columbus Circle, New York 19, N.Y.
- YOR 19, N.Y.

 BERKOFF, SEYMOUR (A'42-M'51), Dept. Head, Hazeltine
 Electronics Corp., Little Neck, L.I., N.Y.

 BERKOVEC, JAMES W. (S'52-A'53-M'59), Systems Engr.,
 John Oster Mfg. Co., 1 Main St., Racine, Wis.

 BERKOVITS, BAROUCH V. (M'57), Project Engr., Polytechnic Research & Development Co., 202 Tillary St.,

 BERKOWITS, PARDIX, (CLEANIES).

- BERKOWITZ, MURRY W. (A '49-M'55), Sr. Engr., Avien, Inc., 59-15 Northern Bird., Park Country, Parkowitz, Parko
- N.Y.

 BERKOWITZ, RAYMOND S. (S'47-A'4B-M'55), Assoc. Prof., Elec. Engrg., Moore School of Elec. Engrg., Univ. of Pennsylvania, 33 & Walnut Sts., Philadelphia 4, Pa. BERKSON, MYRON A. (S'56-M'58), Engr., System Development Corp., Santa Monica, Calif.

 BERL, SIEGMUND (S'45-A'4B-M'54), Sr. Engr., Air Traffic Control & Recognition Sect., Avionics Div., U.S. Army Signal Research & Development Labs., Ft. Monmouth, M. I.

- BERLER, ROBERT M. (A'5B-M'5B), Sr. Engr., Bulova Research & Development Labs., 62-10 Woodside Ave., Woodside 77, L.I., N.Y.
- BERLIER, JOHN C., JR. (S'57-M'59), Jr. Engr., Indianapolis Power & Light Co., 1230 W. Morris St., Indianapolis 1B, Ind.
- BERLIN , EDWIN P. (A'5B), Advertising & Promotion Mgr., Geni. Transistor Corp., 91-27 13B Pl., Jamaica 35, L.I., N.Y.
- BERLIN, JACK (A'53-M'5B), Project Supvr., Ford Instru-ment Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- ment Co., 31-10 Thomson Ave., Long Island City 1, 8 BERLIN, ROBERT D. (A'55), Mathematician, GE Co., Syracuse, N.Y. BERLIN, WALTER N. (A'46-M'55), Electronics Engr., Stoddart Aircraft Radio Co., Inc., 6644 Santa Monica Bivd., Hollywood, Calif.
- BERLINE, SYLVAIN D. (S'47-A'50-M'56), Head, Electric Properties Sect., Clevite Research Center, 540 E. 105 St., Cleveland B, Ohio.
 BERLINE, SYLVAIN D. (SM'53), Geni. Mgr., Societe Etudes et Realisations Electroniques, 26 Rue de Londres, Paris, France.

- BERLINER, HANS (A'5B), Human Engrg., Martin Co., Box 179, Denver 1, Colo. BERLINER, JEROME M. (A'51-M'56), Patent Atty., Ostro-lenk, Faber, Gerb & Stoffen, 10 E. 40 St., New York 16, N.Y.
- BERLINER, JOSEPH (A'49-M'55), Radio Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y. BERLING, GEORGE P. (A'56), Design Engr., Topp Indus-tries, Inc., 10200 Aviation Blvd., Inglewood 2, Calif.
- tries, Inc., 10/200 Aviation Bivd., Inglewood 2, Calif.

 BERLLY, EDWARD (A'55-M'59), Microwave Engr., Genl. Precision Lab., Inc., Pleasantville, N.Y.

 BERMAN, BERNARD (M'55), Sr. Staff Mem., Ramo-Wooldridge Corp., 5500 El Segundo Bivd., Hawthorne, Calif.

 BERMAN, DONALD C. (A'57-M'58), Head, Reliability Assurance Dept., Olympic Radio & Television, 34-01 3B Ave., Long Island City 1, N.Y.

 BERMAN, GEORGE (S'49-A'50-M'56), Chief, Semiconductor Devices Div., Armed Services Electro-Standards Agency, Ft. Mommouth, N.J.

 BERMAN, HAROLD (A'44-SM'56), Tech. Information Officer, U. S. Naval Air Missile Test Center, Point Mugu, Calif.

- ficer, U. S. Naval Air Missile Test Center, Point Mugu, Calif.

 BERMAN, HENRY M. (M'54-SM'57), Electronics Project Engr., Airborne Instruments Lab., Mineola, L.I..N.Y.

 BERMAN, HERBERT (S'54-A'54), Supvr., Genl. Transistor Corp., 91-27 13B Pl., Jamaica 35, L.I., N.Y.

 BERMAN, IRVIN (SM'56), Physicist, Cambridge Research Center, Bedford Airfield, Bedford, Mass.

 BERMAN, JACK (A'45-M'55), Test Equipment Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 BERMAN, MONES (S'49-M'55), Biomedical Physicist, Natl. Institutes of Health, Bethesda 14, Md.

 BERMAN, MYER (S'5B-M'59), Electronics Engr., U. S. Naval Ammunition Deot, Crane, Ind.

 BERMAN, NELSON (M'5B), Chief Engr., J.F. D. Electronics Corp., 1462 62 St., Brooklyn, N.Y.

 BERMAN, NELSON (M'5B), Sast. Elec. Engr., Dept. of Traffic, 100 Gold St., New York 3B, N.Y.

 BERMAN, SOLLIE (A'57), Dir., Reale & Goldman, Ltd., 2045 Dufferin St., Toronto, Ont., Canada

 BERNAERT, ANDRE L. J. (A'4B), Prof. & Consulting Engr., Avenue Marechal, Joffre 60-62 Forest, Brussels, Belgium.

- BERNAERT, ANDRE L. J. (A'4B), Prof. & Consulting Engr., Avenue Marechal, Joffre 60-62 Forest, Brussels, Belgium.

 BERNARD, DANIEL T. (A'53), Project Engr., Gray Mfg. Co., 16 Arbor St., Hartford, Conn.

 BERNARD, FRANK A. (S'56-M'57), Mfg. Trainee, GE. Co., Schenectady, N.Y.

 BERNARD, HERBERT F. (A'51-M'55), Owner, Avionic Industries of Florida, 2730 N.W. 7 St., Milaml, Fla.

 BERNARD, JAMES L., JR. (A'35-Wa'39), Pres., Communication Prods. Co., Inc., Martboro, N.J.

 BERNARD, JOSEPH T. (A'42-M'55), Lt. Col., Signal Coms., U.S. Army, Signal Engrg. Agency, Arlington Hall Sta., Arlington, Va.

 BERNARD, PAUL (A'46), Sales Mgr., Barnes Engrg. Co., 30 Commerce Rd., Stamford, Conn.

 BERNARD, ROBLET (A'46), Sales Mgr., Barnes Engrg. Co., 30 Commerce Rd., Stamford, Conn.

 BERNARD, ROBLET (A'46), Sales Mgr., Barnes Engrg. Co., 30 Commerce Rd., Stamford, Conn.

 BERNARD, ROBLET (A'46), Sales Mgr., Barnes Engrg. Co., 30 Engraphy (Conn.)

 BERNARD, ROBLET (Conn.) (Conn.

- N.C.
 BERNAY, ROBERT A. (S'47-M'56), Electronics Engr.,
 Alrborne Instrument Lab., Mineola, L.I., N.Y.
 BERNBAUM, BERNARD (A'44-M'55), Partner, Lectronic
 Research Labs., 715 Arch St., Philadelphia 6, Pa.
 BERNBAUM, LESTER M. (A'51-M'53), Electronics Engr.,
 RCA, Camden, N.J.
- BERNDS, EDWARD L., (S'51-A'53-M'5B), Engr., The Andrew Green Engrg. Co., 2941 Loma Vista Rd., Ventura, Calif.

- Calif.

 BERNER, ALVAN S. (A'46-M'53), Sect. Head, Melpar, Inc., 21 Galen St., Watertown 72, Mass.

 BERNER, RICHARD R. (S'55-M'57), Staff Mem., Sandia Cop., Sandia Base, Abbuquerque, N.M.

 BERNFELD, MARVIN (S'51-A'51-M'56), Sr. Electronics Engr., Martin Aircraft, Ballimore 3, Md.

 BERNHARD, CHARLES J. (S'52-A'55), Sr. Engr., Crosley Div., Avco Mig. Cop., 2630 Glendale-Milford Rds., Clincinnati 15, Ohio.
- clinnati 15, Ohio, HERBERT A. (A'51-M'57), O'Meiveny & Myers, 433 S. Spring St., Los Angeles 13, Calif. BERNHARDT, CARL C. (S'56-M'59), Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y. BERNHARDT, CHARLES A. (S'56-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., M.Y.

- BERNHARDT, EDWIN C. (A'41-M'55), 4275 Foothill Rd., Ventura, Callí.
- BERNHARDT, WARREN L. (S'53-M'58), Project Engr., Electronics Associates, Long Branch Ave., Long Branch, N.J.

- N.J.
 BERNI, LOUIS W. (M'57), Chief Engr., ACE Electronics Associates, 99 Dover St., Somerville 44, Mass.
 BERNIER, EDWARD J. (A'52-M'57), Chief Physicist, Belding Heminway Corticelli, Putama, Conn.
 BERNIER, JEAN C. (SM'47), Head, Elec. Engrg. Dept.; Dir., Research Center, Ecole Polytechnique, Box 501, Snowdon, Montreal 29, P.Q., Canada.
 BERNIER, JEAN-GUY (S'56-M'57), Engr., Defence Research Board, (C. A. R.D. E.), Val-Cartier, P.Q., Canada.
 BERNIER, LEONARD E. (S'54-M'56), Applications Engr., Litton Industries, 960 Industrial Rd., San Carlos, Calif. BERNIER, VAUGHAN A. (A'50), Pres., Eltran Corp.,

- Litton Industries, 960 Industrial Rd., San Carlos, Callf.
 BERNIER, VAUGHAN A. (A'50), Pres., Eltran Corp.,
 113-119 Station St., St. Anne, III.
 BERNIN, VICTOR M. (A'47-M'55), Project Mgr., Admiral
 Corp., 3800 W. Cortland, Chicago, III.
 BERNINGER, JOHN W. (A'44), Transmitter Supvr., WIIC,
 inc., 341 Rising Main St., Pittsburgh 14, Pa.
 BERNKOPP, WALTER C. (M'57), Patent Atty., GE Co.,
 HMED, Syracuse, N.Y.
 BERNOT, THEODORE (M'5B), Test Methods Electronics
 Engr., Raytheon Mfg. Co., Vance Tank Rd., Bristol, Tenn.
 BERNS, HERBERT L. (A'55), Project Engr., System Development Corp., 2500 Colorado Ave., Santa Monica,
 Calif.
 BERNS KENNETH L. (A'54), Electronics Engr., Naval

- Call BERNS, KENNETH L. (A'54), Electronics Engr., Naval Ordnance Lab., Corona, Calif.
 BERNS, PAUL I. (A'57), Genl. Mgr., Modern Electronics Co., 2000 Broadway, San Antonio, Tex.
 BERNSLEY, JOSEPH T. (A'48-M'55), Pres., Chief Engr., Telemarine Communications Co., Inc., 140 W. Broadway, New York 13, N.Y.
- REW YORK 13, N.Y.
 BERNSTEIN, ABRAHAM L. (S'53-A'54), Sr. Engr., ITT
 Labs., Nutley 10, N.J.
 BERNSTEIN, BENJAMIN (S'45-A'48-M'55), Pres., Polytechnic Engrg. Co., 9105 Brookeville Rd., Silver Spring, Md.

- Md.

 BERNSTEIN, BERNARD (S'45-A'4B-M'54), Exec. V.P., Central Electronic Mfrs., Denville, N.J.

 BERNSTEIN, ELLIOT (A'55), Pres., Bel Fuse, Inc., 19B Van Vorst St., Jersey City, N.J.

 BERNSTEIN, ERWIN (S'49-A'50-M'55), Sales & Application Engr., Genl. Precision Lab., Pleasantville, N.Y.

 BERNSTEIN, FRED (A'53), Project Engr., RCA, Moorestown, N.J.
- town, N.J.
 BERNSTEIN, GEORGE (S'46-A'49-M'54-SM'57), Project
 Engr., Sperry Gyroscope Co., Great Neck, L.I., M.Y.
 BERNSTEIN, HAROLD (A'54-M'57), Engr., American Bosch
 Arma Corp., Garden City, L.I., M.Y.
 BERNSTEIN, HAROLD (M'58), Staff Physicist, MinneapolisHoneywell Regulator Co., 40 Life St., Brighton, Mass.
 BERNSTEIN, HENRY E. (A'35-SM'45), Military Engra.
 Coordinator, Electronic Industries Association, 1721 De
 Sales St., Washington, D.C.
 BERNSTEIN, HERBERT L. (M'57), Research Engr., Natl.
 Cash Register Co., Electronics Div., 1401 E. El Segundo
 Blvd., Hawthorne, Calif.
 BRNSTEIN, JOEL L. (M'59), Polarad Electronics Corp.,

- Cash Register Co., Electronics Div., 1401 E. El Segundo Blvd., Hawthorne, Callf.

 BERNSTEIN, JOEL L. (M'59), Polarad Electronics Corp., 4320 34 St., Long Island City 1, N.Y.

 BERNSTEIN, JOEL L. (M'59), Polarad Electronics Corp., 4320 34 St., Long Island City 1, N.Y.

 BERNSTEIN, JOSEPH M. (S'54-M'56), Staff Engr., Genl. Telephone Labs., Northlake, III.

 BERNSTEIN, JULIAN L. (A'47-M'55), Instr., RCA Institutes, 350 W. 48t St., New York, N.Y.

 BERNSTEIN, JULIUS (A'43-M'48-5M'51), Chief Project Engr., Edo Corp., College Point, L.I., N.Y.

 BERNSTEIN, KENNETH (S'57-A'5B), 3133 Brighton 7 St., Brooklyn 35, N.Y.

 BERNSTEIN, KENNETH (S'57-A'5B), 3133 Brighton 7 St., Brooklyn 35, N.Y.

 BERNSTEIN, MARVIN H. (S'48-A'51-M'57), Engr., Airborne Instrument Lab., Inc., Mineola, J.I., N.Y.

 BERNSTEIN, P. PHILIP (A'53-M'57-SM'5B), Mem. Tech. Staff, Ramo-Wooldridge, 5500 El Segundo Bivd., Los Angeles 45, Calif.

 BERNSTEIN, RALPH (A'52-M'57), Sr. Engr., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif. BERNSTEIN, RALPH (S'55-M'57), Elec. Engr., 1BM, Owego, N.Y.

 BERNSTEIN, ROBERT I. (S'51-A'52-SM'57), Assoc. Dir., Columbia Univ. Electronics Research Labs., 632 W. 125 St., New York 27, N.Y.

 BERNSTEIN, SRAUL S. (S'54-M'57), Engr., Filtron Co., Inc., 131-15 Fowler Ave., Flushing, L.I., N.Y.

 BERNSTEIN, STANLEY (S'44-A'46-M'55-SM'56), Dev. Engr., Get X-Ray Dept., 4855 Electric Ave., Milwaukee, Wis.

 BERNTSEN, DONALD G. (S'48-A'50-M'58), Research Engr., Boeing Airpilane Co., Box 3107, Seattle 14. Wash.
- Wis.

 BERNTSEN, DONALD G. (S'4B-A'50-M'5B), Research Engr., Boeing Airplane Co., Box 31.07, Seattle 14. Wash. BERNTSEN, PETER L. (S'4B-A'51-M'54), Sect. Head, Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 BERNTSEN, WALTER H. (S'4B-A'50-M'55), Project Engr., Eli Lilly & Co., 740 S. Alabama, Indianapolis 6, Ind.

 BERNUY, JOHN F. (S'56-M'59), Jr. Design Engr., Triad Transformer Corp., 4055 Redwood Ave., Venice, Calif. BEROZA, PAUL P. (M'53-SM'54), Prof. & Head, Elec. Engrg., Univ. of Southern California, Los Angeles 7, Calif. BERRELA, EDWARD J. (A'56), Dev. Engr., American Bosch Ama Corp., Garden City, L. I., N.Y.

 BERREVOETS, GERRITJ. (S'54-A'55), Power House Engr., Southern Peru Copper Corp., Casilla 35, Flo, Peru, South America.

 BERROVOETS, JOHN (M'59), Design Engr., Canadian Genl

- BERROVOETS, JOHN (M'59), Design Engr., Canadian Genl. Electric Co., Ltd., B30 Lansdowne Ave., Toronto, Ort., BERRI, ROBERT E. (A'55), Engr., Librascope, Inc., B0B Western, Glendale, Calif.
 BERRIDGE, BRUCE M. (M'5B), Design Engr., RCA Victor, 1001 Lenoir St., Montreal 30, P.Q., Canada.
 BERRY, ALLAN E. (S'54-M'55), Electronics Engr., Martin Co., Baltimore 3, Md.
 BERRY, BARD H. (A'55), Dev. Engr., Lenkurt Electric Co., 1005 Old County Rd., San Carlos, Calif.
 BERRY, BEN F., JR. (M'58), Chief Electronics Engr., Sweeney Engrg. Corp., 5858 Centinela Ave., Los Angeles 45, Calif.

- BERRY, DAVID G. (S'55-M'56), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.
- Radio Co., Cedar Rapids, Iowa.

 BERRY, DWIGHT C. (S'48-A'50), Engr., Mem. Tech. Staff.

 Hughes Research & Development Labs., Culver City, Calif.

 BERRY, FLEETWOOD G. (S'49-A'50-M'55), Instr., Univ.

 of Toronto, Toronto, Ont., Canada.

 BERRY, FRED M. (A'45-M'49), Electronics Consultant,

 1200 E. 49 Ter., Kansas City 10, Mo.

 BERRY, GEORGE L. (S'57-A'58), Electronics Technician,

 Hughes Aircraft Co., Los Angeles, Calif.

 BERRY, GEORGE P. (M'58), Chie Engr., KOMA, 500

 Globe Life Bidg., Oklahoma City 2, Okla.

 BERRY, GEORDON C. (S'43-A'47), District Engr., GE Co.,

 1330 W. Peachtree St., Atlanta 9, Ga.

 BERRY, HENRY W. (S'41-A'43-SM'55), Computer Project

 Engr., Minneapolis-Honeywell Regulator Co., 13350 U. S.

 Hwy. 19, St. Petersburg, Fla.

 BERRY, RA S. (M'58), Natl. Bureau of Standards Labs.,

- nwy, 19, St. Petersourg, ria.
 BERRY, IRA S. (M'5B), Natl. Bureau of Standards Labs.,
 Boulder, Colo.
 BERRY, J. DOUGLASS (S'49-A'53-M'59), Sr. Analyst,
 Gannett, Fleming, Corddry & Carpenter, Inc., 600 N.
 2nd St., Harrisburg, Pa.
- ERRY, JAMES J. (M'57), Electronics Engr., Instrumenta-tion Div., U. S. Naval Ordnance Lab., Corona, Calif. BERRY, JOHN E. (A'54), Field Engr., RCA, 4805 Stockton Lane, Hyattsville, Md. BERRY, RAYMOND F. (A'4B), 16723 Bulger Ave., Hazel Crest, III.
- Crest, III.

 BERRY, RICHARD L. (A'56), Dir., Tech. Employment Div., Fideliky Personnel Service, 121B Chestnut St., Philadelphia 7, Pa.

 BERRY, RICHARD P. (S'57-M'58), Capt., USAF, Project Engr., Air Research & Development Command, 5740 Arbor Vitae, Los Angeles 45, Calif.

- vitae, Los Angeles 45, Calli. District Sales Mgr., GE Co., 3B00 N. Milwaukee Ave., Chicago 41, Ill. BERRY, RDV, E. (M'52), Chief Engr., KRONTV, 929 Mission St., San Francisco, Calif. BERRYMAN, ALLYN R. (A'57), Electronics Technician, U. S. Naval Ordnance Test Sta., China Lake, Calif. BERRYMAN, JACK W. (M'57), Box 666, Elon College, N. C.
- BERRYMAN, JACK W. (M'57), Box 666, Elon College, N.C.
 BERS, ABRAHAM (S'52-A'54-M'5B), Asst. Prof., Elec. Communication, MIT, Cambridge 39, Mass.
 BERSBACH, ALFRED J. (S'41-A'42-SM'55), Chief, Methods & Planning, Hughes Aircraft Co., Tucson, Ariz.
 BERT, JOSEPH E. (S'48-A'50), Electronics Engr., U. S. Army Signal Electronics Research Unit, Box 205, Mountain View, Calif.

- Mourtain View, Calif.
 BERTAN, HOWARD S. (M'59), Sect. Head, Narda Microwave
 Corp., 122 Herricks Rd., Mineola, L.I., N.Y.
 BERTAN, LESTER L. (S'4B-A'49-M'55), Asst. Chief
 Microwave Engr., FXR, Inc., 26-12 Borough Pl., Woodside 77, L.I., N.Y.
 BERTE, D. WILLIAM (S'4B-A'50-M'55), Systems Engr.,
 2200 Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif.
 BERTELSEN, BRUCEI. (S'53-A'55), Staff Physicist. Prod.
 Dev., IBM. Endicott, N.Y.
 BERTERO, EDWARD P. (S'42-A'43), Staff Engr., NBC,
 30 Rockefeller Plaza, New York 20, N.Y.
 BEPTEROTTIFER. ERFEL. (M'59), Engr., Compagnie
- BERTEROTTIERE, RENE L. (M'59), Engr., Compagnie Francaise Thomson Houston, 173 Blvd. Haussmann, Paris, France.
- Paris, France.

 BERTHAUD, MADELEINE C. (M'54), Chief de Laboratoire, La Radiotechnique, Rue Carnot 51, Suresnes, Seine, France.

 BERTHOLD, ROY V. (A'44-M'55), 186-40 139 Ave., Springfield Gardens 13, L.I., NY.

 BERTHOLD, WAYNE L. (M'55), Radio Engr., U.S. Information Agency, Tangier, Morocoo; Dept. of State Mail Room, Washington 25, D.G.

 BERTIE, CECIL E. (S'46-A'48-SM'53), Sect. Chief, Tech. Publications, Western Electric Co., Lexington Rd., Winston-Salem, N.C.

 BERTIN, EUGENE P. (M'52), Design & Day, Engr., PCA

- Salem, N.C.
 BERTIN, EUGENE P. (M'52), Design & Dev. Engr., RCA,
 Harrison, N.J.
 BERTKE, HERBERT J., JR. (S'55-M'56), Design Engr.,
 GE Co., 316 W. 9 St., Owensboro, Ky.
 BERTNESS, PAUL N. (A'58), Divisional Advertising Mgr.,
 Consolidated Electrodynamics Corp., 360 N. Sierra Madre
 Villa, Pasadena, Calif.

- Villa, Pasadena, Calif.

 BERTOLET, EDWARD C. (A'40-M'45), Engr., The Superior Oil Co., South Pasadena, Calif.

 BERTOLINI, ANTHONY (S'54-M'57), Staff Mem., Lincoln Lab., MiT. Lexington 73, Mass.

 BERTOLIND, ARTHUR P. (M'57), Jr. Project Engr., FXR, Inc., 26-12 Borough PI., Woodside 77, L.I., N.Y.

 BERTOLINO, THOMAS R. (S'55-M'59), Electronics Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.

 BERTOLOTTI, SERGIO (A'42-M'55), Central Tech. Dir. TV, Rai-Radiotelevisione Italiana, Via del Babunio 9, Rome, Italy. Rome, Italy,
- Rome, Italy.

 BERTON, JOSEPH F. (M'57), Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 BERTORELLO, ROBERT J. (S'56-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BERTORELLO, THOMAS A. (S'57-M'59), Electronics Engr., McDonnell Aircraft Corp., Lambert Airport, St.

- BERTORELLO, THOMAS A. (S'57-M'59), Electronics Engr., McDonnell Aircraft Corp., Lambert Airport, St. Louis 66, Mo. BERTRAM, HARRY A. (A'55), Jr. Engr., Curtiss-Wright Corp., Carlstadt. N.J. BERTRAM, JOHN E. (A'55-M'5B), Staff Engr., IBM, OSsiming, N.Y. BERTRAM, JOSEPH J. (A'55-M'59), Supvr., Hyfen Design, Burndy Engra. Co., Richards Ave., Norwalk, Corn. BERTRAM, MAURICE A. (A'47), Contract Administration, Avoc Mfg. Corp., Crosley Div., 1329 Arlington St., Cincinnati 36, Ohio.
- Cincinnati 36, Mhio.
 BERTRAM, ROLAND H. (S'57-A'59), Electronics Technician, GE Co., Utica, N.Y.
 BERTRAM, SIDNEY (A'36-SM'47), Tech. Consultant, Ramo-Wooldridge Corp., Box 5073, Terminal Annex, Denver 17, Colo.
- Denver 17, Colo.

 BERTREM, COLVIN J. (S'51-A'53-M'5B), Engr., Rheem Mfg. Co., 9236 E. Hall Rd., Downey, Calif.

 BERTSCHE, GEORGE J. (S'48-A'51-M'56), Design Engr., ITT Federal Labs., 3702 E. Pontiac, Ft. Wayne, Ind.

 BERTUCCI, JOHN F. H. (M'46), Engr., Systems Development Corp., 2500 Colorado, Santa Monica, Calif.

 BERTUCCIO, DOMENICK J. (M'58), Engr., Western Union Telegraph Co., 60 Hudson St., New York, N.Y

- BERTUCCIO, THOMAS D. (A'57-M'59), Research Engr., Natl. Aeronautics & Space Administration, Plum Brook Reactor Facility, Sandusky, Ohio.
 BERTUCH, CHARLES J. (M'58), Mem. Tech., Staff, Hughes Aircraft Co., Culver City, Calif.
 BERUBE, GERALD N. (A'58), 308 Ave. A, Melbourne, Fla. BERBUBE, JOHN L. (S'57-M'59), Research Engr., No. Amer. Aviation, Internatl. Airport, Los Angeles 45, Calif. BERUBE, JOSEPH P. G. (A'47), Telecommunications Maint. Supt., RCAF, I Air Div. Hers. RCAF, CAPO 5052, Canadian Armed Forces Europe, PM, Morkreal, P. Q., Canada. BERUBE, ROLAND (A'51-M'57), Sr. TV Technician Canadian Broadcasting Corp., Montreal, P. Q., Canada. BERUEK, C. DAVID (A'57), Radio Operator, Technician, Dept. of Transport, Edmonton, Alta., Canada. BL RWIN, IED W. (A'55), Dir., Electronics, Dresser Dynamics, Inc., 18157 Napa St., Northridge, Calif.
 BERZIN, JURIS G. (S'56-M'57), Palco Corp., 3875 Fabian Way,

- por DIV., Boeing Airplane Co., Box 707, Retroit, Wash.
 BESAG, ERIC T. (A'57), Philoc Corp., 3875 Fabian Way,
 Palo Alto, Calif.
 BESAG, PETER L. (M'5B), Project Engr., Philoc Corp.,
 3875 Fabian Way, Palo Alto, Calif.
 BESANCON, MODOY (SM'56), V. P., Eastern DIV.,
 Babcock Radio Engrg., Inc., 1640 Monrovia Ave., Costa
 Mesa, Calif.
 BESCHEPED, EDWIN A. (SM'36), Dis., North Capilina Lab
- mesa, vallf.

 BESCHERER, EDWIN A. (SM'49), Dir., North Carolina Lab.,

 Bell Tel. Labs., Lexington Rd., Winston-Salem, N. C.

 BESCHLE, RICHARD G. (S'49-A'50-M'56), Asst. Prof.,

 Elec. Engrg., Worcester Polytechnic Institute, Worcester,

 Mass.
- Mass.

 BESUD, FRED E., JR. (S'56-M'5B), Electronics Engr., Jet Engine Dept., GE Co., Cincinnati 15, Ohio.

 BESEL, HILMER W. (S'49-A'53-M'57), Head, Lab.
 Data Branch, U. S. Naval Ordnance Lab., Corona, Calif.

 BESENFELDER, EDWARD R. (S'54-M'55), Engr., GE
 Co., Syracuse, N.Y.

 BESHORE, PAUL S. (A'36-VA'39), Chief Engr., Western
 Mfg. & Supply Co., 1400 W. 22 St., Kearney, Neb.
- Mfg. & Supply Co., 1400 W. 22 St., Kearney, Neb.
 BL SMERTINK, JUSEPH (A 46), Electronics Technician,
 New York Naval Shipyard, Naval Base, Brooklyn 1, N.Y.
 BLSS, THOMAS J., JR. (M'55), Dir., Quality Control,
 Deot., Tele-Dynamics, Inc., 5000 Parkside Ave.,
 Philadelphia, Pa.
 BESSEN, ALAN S. (A'55), Principal Engr., Ford Instrument
 Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
 BLSSEN, LLAUDE L., JR. (S'5/-M'59), Elec. Engr.,
 U. S. Corps of Eng., Box 1538, Albuquerque, N.M.
 BLSSETIE, ANDREW (S'51-A'52-M'56), Sr. Electronics
 Engr., Convair, Pomona, Calif.
 BLSSETIE, DUNALD U. (S'55-M'5B), Elec. Engr., GE
 Co., HMED, Syracuse, N.Y.
 BESSETTE, OLIVER E. (M'59), Engr. C, RCA, Camden,

- BESSETTE, OLIVER E. (M'59), Engr. C, RCA, Camden,
- BESSON, PIERRE (M'46), Dir., Grad. School: Ecole Superieure d'Electricite de Paris, 10 Ave. Pierre Larousse, Malakoff, Seine, France.

- Malakoff, Seine, France.

 BEST, DONALD R. (A/59), Daystrom, Ltd., 5430 Ferrier
 St., Montreal, P.Q., Canada.

 BES1, DUNALD 1. (S'50-A'91-M'56), Project Engr.,
 Burroughs Cop., Research Activity, Paoli, Pa.

 BEST, FRANCIS G. (M'53), Field Engr., Philoc Corp.,
 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 BES1, JOHN G. (A/49), Pres., Chicago Telephone Supply
 Corp., Elkhar, Ind.

 BES1, RALPH C. (S'53-M-54), Danier, France.
- BES1, RALPH C. (S'53-M'56), Project Engr., Sargent, Webster, Crenshaw & Folley, 2112 Erie Blvd., E., Syracuse 5, N.Y.
- BEST, RICHARD L. (M'53), Computer Circuit Engr., Lincoln Lab., MIT, Lexington 73, Mass. BEST, ROBERT A. (S'55-M'56), Design Engr., Hazelline Copy., Little Neck 62, L.I., N.Y.

- Corp., Little Neck 62, L.I., N.Y.
 BEST, ROBERT H. (S'49-A'50-M'58), Owner, Best Television, 1803 Sullivan St., Greensboro, N.C.
 BEST, WILLIAM D. (S'55-M'58), 1st. LI. U. S. Army.
 Home: 64 Hungefrod Ter., Burlington, Vt.
 BESTE, HAROLD E. (SM'56), Sect. Mgr., Display &
 Sensing Devices, Allen B. DuMont Labs., Inc., East
 Paterson, N.J.
- Paterson, N.J.

 BESWICK, WALTER A. (A'59), Sales Mgr., Technical Electronics Co., 4060 Ince Blvd., Culver City, Calif.

 BEILBENNER, GEORGE W. (S'55-M'58), Operations Asst., Mountain States Telephone & Telegraph Co., Boise, Idaho.
- BETER, RALPH H. (S'44-A'46-M'55-SM'59), Project Engr., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- BETHER, CHARLES E. (S'4B-A'9-M'55), Supvy. Electronics Engr., FAA, 5651 W. Manchester, Los Angeles, Calif. BETHERD, CHARLES T. (A'55-M'55), Supvy. Electronics Engr., FAA, 5651 W. Manchester, Los Angeles, Calif. BETHER, JAMES W. (S'57-A'5B), Engr., Electronic Models Corp., 44 Cherry Valley Rd., Hempstead, L.I., N.Y. BETHEL, CARL D., JR. (M'46-SM'52), District Mor., Mackay Radio & Telegraph Co., Inc., Trade & Commerce Bidg., 215 Juna Luna St., Manila, Philippines. BETHEL, HERBERT W. (S'4B-A'51-M'5B), Staff Engr., Boeing Almlane Co., Box 39/25, Seattle 24, Wash. BETHEC, CHARLES E. (S'4B-A'49-M'55), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. BETHEK, JOHN R. (A'56), Tech. Sales Mgr., Electronics Tube Div., Burroughs Corp., Plainfield, N. J. BETHKE, WILLIAM P. (SM'57), Dir., Tech. Operations, DCS/OPS, Rome Air Development Center, Griffiss AFB, N.Y.

- N.Y.
 BETLEJEWSKI, FRANCIS J. (S'51-A'52-M'57), Project
 Engr., Bendix Aviation, Teterboro, N.J.
 BETROS, LOUIS A. (A'45-M'53), Dir., Tech. Pub;ications,
 Central Technical Institute, 1644 Wyandotte St., Kansas
 City B, Mo.

- City B, Mo.

 BETSH, KENNETH W. (S'49-A'52-M'56-SM'59), Project Engr., Bendix Radio Div., Baltimore 4, Md.

 BETSWORTH, RONALD K. (S'5B-M'59), Electronics Scientist, Naval Electronics Lab., San Dlego 52, Calif.

 BETTAN, MARTIN I. (A'52-M'54), Sales Rep., Marty Bettan Sales, 167-16 73 Ave., Flushing 66, L.I., N.Y.

 BETTENCOURT, JOSEPH P. (A'46-M'56), Engr., Raytheon Mfg., Co., Waltham, Mass.

 BETTENDORFF, OSCAR A. (S'48-A'51-M'56), Electronics Test Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 BETTENHAUSEN, LEE H. (S'56-M157), 2011, 100-100.
- BETTENHAUSEN, LEE H. (S'56-M'57), 1st Lt., USAF, Loring AFB, Me.

- BETTIN, ROGER R. (A'51-M'56), Project Engr., Collins Radio Co., Cedar Rapids, Iowa.
 BETTINELLI, KENNETH F. (S'56-M'57), Electronics Test Engr., Northrop Aircraft, Inc., Hawthorne, Calif.
 BETTINSON, SYDNEY F. (M'49), Flight Lt., RAF, Radio Dept., Royal Aircraft Est., Famborough, Hants., England.
 BETTIS, LOUIS W. (S'52-A'53-M'59), Electronics Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz.
 BETTIS, MAURY E. (A'54), Pres., Maury E. Bettis Co., Inc., 406 W. 34 St., Kansas City, Mo.
 BETTIS, WILLIAM E. (S'57-M'5B), Communications Officer, USAF, Washington 25, D. C.
 BETTS, ATTIE L. (M'49-SM'55), Prof. & Chmm., Elec. Engr.) Dept., Washington Zs. D. C.
 BETTS, BOYD J. (S'51-A'52-M'57), Engr., Westinghouse Elec. Corp., Elmira, N. Y.
 BETTS, DONALD C. (M'5B), Sales Mgr., Westinghouse Elec. Corp., 3451 E. Marginal Way, Seattle 16, Wash.
 BETTS, JONALD C. (M'55), C.
 BETTS, MAZEPPA D. (M'57), Sr. Engr., Sylvania Elec. Prods., Inc., Ipswich, Mass.
 BETTS, PHILANDER H. (A'23-M'39-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Box 609, Cocoa, Fia.
 BETTS, ROY W. (S'54-A'56), Communications Engr., U. S. Army Warrant Officer. Co. D., USA Socab FE, APO 613.

- BETTS, ROY W. (S'54-A'56), Communications Engr., U. S. Army Warrant Officer, Co.D., USA SocB FE, APO 613, San Francisco, Calif.

- BETZOLD, EDWARD J., JR. (S'54-A'55-M'59), Sr. Dev. Engr., Avionics Dept., Universal Match Corp., 4407 Cook St., St. Louis 13, Mo.
- BEUC, ROMAN, JR. (S'57-M'59), Dynamics Engr., Mc-Donnell Aircraft Corp., St. Louis, Mo. BEUCHE, GUNTER R. (A'55), Lab. Head, Dtsch. Mikrowell-engesellschaft, Habsburger Str. 90, Freiburg/Brsg., Ger-
- many.

 BEUGER, JOHN C. (M'57), Electronics Engr., ElectroData
 Div., Burroughs, 460 Sierra Madre Villa, Pasadena, Calif.
 BEUKERS, JOHN M. (M'5B), Sr. Electronics Engr., ITT
 Labs., Nutley, N.J.

 BEUREL, JEAN (A'5B), Engr., Position II, IBM, 162 Rue
 de Charenton, Paris, France.

 BEURTHERET, CHARLES A. (SM'57), Ingenieur en Chef,
 Compaonie Francoise Thomson-Houston, 173 Blvd. Haussmann, Paris, France.

- BEUTLER, ARTHUR J. (S'57-M'5B), Design Engr., X-Ray Debt., GE Co., 4B55 W. Electric Ave., Milwaukee 1, Wis. BEUTLER, FREDERICK J. (M'53), Asst. Prof., Aeronautical Engrg., Univ. of Michigan, Ann Arbor, Mich. BEVAN, PERCY A. T. (SM'55), Chief Engr., Independent Television Authority, 14, Princes Gate, London, S.W. 7, England.
- England.

 BEVAN, ROBERT K. (S'53-A'55), Staff Engr., Genl. Pre-cision Lab., 63 Bedford Rd., Pleasantville, N.Y.

 BEVAN, WILBUR R. (S'50-A'52-M'58), Supvy. Engr., Westinghouse Elec. Corp., Missile Ground Control, 1405 Parker Rd., Arbutus, Md.

- Parker Rd., Arbutus, Md.

 BEVENSEE, ROBERT M. (M'5B), Microwave Lab., Stanford Univ., Stanford, Calif.

 BEVER, KARL H. (A'55), Asst. Engr., New York Telephone Co., 140 West St., New York, N.Y.

 BEVERAGE, HAROLD H. (A'15-M'26-F'2B)(L), Consultant, RCA Labs., Rocky Point, L.I., N.Y.

 BEVERIDGE, HAROLD N. (A'50-SM'5B), Branch Chief, Advanced Research Projects Agency, Pentagon, Washington 25, D.C.

 BEVERIDGE, JAMES M. (M'57), Asst. to Project Mgr., Culided Missiles Labs., Hughes Aircraft Co., Culver City, Calif.
- BEVERIDGE, ROBERT W., JR. (A'57), Electronics Officer, USS Brister, (DER, 327), USN, FPO, San Francisco,
- BEVERLY, NELSON E. (A'44-M'55), Dev. Engr., IBM,
- Poughkeepsie, N.Y.

 BEVERLY, PHILIP L. (S'57-M'58), 429 Belleview Dr.,
 Falls Church, Va.

 BEVITT, WILLIAM D. (A'28-VA'39-M'54), Tech. Information Coordinator, Semiconductors, CBS Electronics, 900

 Chemisford St., Lowell, Mass.

- Chelmsford St., Lowell, Mass.
 BEWLEY, LAWRENCE L. (S'51-A'54), Sr. Electronics
 Engr., Electro Data Div., Burroughs Corp., 460 Sierra
 Madre Villa, Pasadena, Calif.
 BEYER, ARTHUR R. (A'48), Sr. Partner & Genl. Mgr., A.
 R. Beyer & Co., 131B Polk Ave., Houston 2, Tex.
 BEYER, CARLTON M. (M'45-SM'57), Staff Specialist,
 Office of Guided Missiles, Dir. of Defense, Research &
 Engre., Office Sec'y. of Defense, Pentagon, Washington
 25. D.C.
- Engra., Office See'y. of Defense, Pertagon, Washington 25, D.C.
 BEYER, FRED (S'54-A'55), Jr. Engr., Southwestern Industrial Electronics Co., 2831 Post Oak, Houston, Tex.
 BEYER, FRED J. (M'58), Prod. Mgr., Components Div. Sales, Kearfott Co., Inc., 1378 Main Ave., Clifton, N.J.
 BEYER, GEORGE L., JR. (M'47), Physicist, Naval Ordnance Lab., White Oak, Silver Spring, Md.
 BEYER, JOHN A. (S'52-A'53-M'58), Partner, A. R. Beyer & Co., 1318 Polk Ave., Houston 2, Tex.
 BEYER, JULIUS J. (M'59), Electronics Scientist, U. S.
 Naval Ordnance Co., Corona, Calif.
 BEYMER, ELLIS H. (A'48-M'55), Mgr., Missile Flight Test Dept., Raytheon Mfg. Co., White Sands Proving Grounds, N.M.

- BEYNON, DAVID J. (S'53-M'56), Test Engr., Westing-house Elec. Corp., Friendship Internati. Airport, Balti-more 3, Md.
- more > , Md.

 BEZ, RICHARD O. (S'54-A'54), Defense Projects Communication Engr., Western Electric Co., 220 Church st., New York 13, N.Y.

 BEZAIRE, WILLIAM A., (A'55), Head, Operations & Maintenance, Rich Electronic Computer Center, Georgia Institute of Technology, Atlanta 13, Ga.

- BEZERA, GABRIEL (A'51-M'57), Electronics Engr., Western Electric Co., B01 Merritt Dr., Greensboro, N.C.
 BEZIES, ENRIQUE S. (S'55-M'57), Chlef, Engrs., XEM-TV, Box B4, Calexto, Calif.
 BEZIO, BERNARD R. (A'56), RFD, Keeseville, N.Y.
 BEZUS ZKA, STANLEY J. (M'56), Chmn., Dept. of Mathematics, Boston College, Chestnut Hill 67, Mass.
 BHASHYAM, S. R. (A'52-SM'57), Postmaster Genl., Govt. of India, Ambala, Punjab, India.
 BHATNAGAR, HARI M. (A'48-M'54), Tech. Mgr., Natl. Eko Radio & Engrg. Co., Ltd., Haines Rd., Bombay 11, India.

- BHATT, NAUTAMLAL B. (SM'47), Planning Officer, Central Electronics Engrg. Research institute, Pilani, Rajasthan, India.
- Rajasthan, India.

 BHATTACHARJEE, DIGINDRA K. (A'55), Sr. Lab. Techniclan, Elec. Engrg. Dept., Univ. of Roorkee, Roorkee, U.P., India.

 BHATTACHARYYA, BIMAL K. (A'54), Postdoctorate Fellow, Natl. Research Council, Div., Radio & Elec. Engrg., Ottawa, Ont., Canada.

 BHAVNAMI, KRISHIN H. (M'57), New Prods. Engrg. Dept., Westinghouse Elec. Corp., Box 10596, Pittsburgh 35, Pa.
- BIAGI, ALVARO D. (A'49-M'56), Exec. Engr., ITT Labs.,

- BIAGI, ALVARO D. (A'49-M'56), Exec. Engr., ITT Labs., Nutley, N.J., MILLEY, N.J., SYLVARIO, S. (S'52-A'54), Component Engr., Sylvania Elec. Prods., Inc., Waltham, Mass. BIALEK, JACQUES (A'52-SM'58), Mem. Tech. Staff, Hughes Alrcraft Co., Culver City, Callf.
 BIALEK, STEPHEN T. (S'4B-A'49-M'55), Group Leader, Institute for Air Weapons Research, Univ. of Chicago, Museum of Science & Industry, Chicago 47, III.
 BIALER, MAX. (A'55-SM'59), Electronics Scientist-Chief, Resistor Sect. Electronics Component Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
 BIALES, KARL (A'56), Project Engr., Wright Air Development Command, Wright-Patterson AFB, Ohio.
 BIALKOWSKI, MICHAEL (A'59-M'56), 1045 E. B. St..
- BIALKOWSKI, MICHAEL (A'59-M'56), 1045 E. B St.,

- Tucson, Arlz.

 IIAMONTE, ROBERT L. (S'55-M'5B), Trainee Engr., IBM, Cambridge, Mass.

 IAMONTE, ROBERT L. (S'55-M'5B), Engr., Airborne Instruments Lab., Mincola, L.I., N.Y.

 BIANCHINI, PETER J. (S'55-M'5B), Engr., Airborne Instruments Lab., Mincola, L.I., N.Y.

 BIANCO, DONALD R. (SM'57), Sr. Physicist, Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md. BIANCO, FRANCIS P. (S'5B-M'59), Test Engr., Lab. for Electronics, 1079 Commonwealth Ave., Boston, Mass.

 BIANCO, JOSEPH D. (M'56), Electronics Research Engr., Eitel-McCullough, Inc., 79B San Mateo Ave., San Bruno, Calif.

- Calif.

 Calif.
- N.Y. BIBBINS, LANCE L. (S'50-A'50-M'5B), Field Engr., George Gostenhofer & Associates, 7 Wellington St., Waltham, Mass.
- wattnam, Mass.
 BIBERACHER, RUDDLPH A. (J'42-A'43), Flight Engr.,
 United Air Lines, Inc., Hangar B, New York Internati. Airport, Jamaica, L.I., M.Y.
 BIBERMAN, LOUIS S. (A'51-M'55), Elec. Engr., RCA,
 Camden, N.J.

- BIBERMAN, LOUIS S. (A'51-M'55), Elec. Engr., RCA, Camden, N.J.

 BIBERMAN, LUCIEN M. (M'49-SM'53), Dir., Systems DIv., Chicago Midway Labs., The Univ. of Chicago, 6220 S. Drexel Ave., Chicago 37, III.

 BIBLE, ROBERT E. (A'54-M'59), Project Mgr., Librascope inc., 80B Western Ave., Glendale 1, Calif.

 BICE. MAX H. (M'51), Geni. Mgr., KTNT-AM-FM-TV, 1701 S. 11 St., Tacoma 6, Wash.

 BICE, WILLIAM O. (S'56-M'58), Elec. Engr., Bendix Computer Div., 5630 Arbor Vitae, Los Angeles 45, Calif.

 BICHARA, MARCEL R. E. (A'55), Electronics Engr., Transvaal & Orange Free State Chamber of Mines Research Labs., Box B09, Johannesburg, South Africa.

 BICKART, THEODORE A. (S'54-M'57), Instr., The Johns Hopkins Univ., Baltimore 18, Md.

 BICKEL, CHESTER A. (M'59), Sr. Engr., Westinghouse Elec. Corp., Baltimore, Md.

 BICKEL, HENRY J. (S'51-A'52-M'56), Sr. Project Engr., N-Y.

 Federal Scientific Corp., 615 W. 131 St., New York 27, N-Y.

- N.Y.

 BICKEL, RICHARD L. (S'50-A'53-M'57), Pres., Atlantis Engra. Corp., Box 451, Garland, Tex.

 BICKEL, ROBERT C. (S'48-A'50-M'55), Mktg. Mgr., Andrew Corp., 363 E. 75 St., Chicago 19, III.

 BICKEL, STERLING O. (A'53), Head, Reliability, Delco Radio Div., GMC, 700 E. Firmin St., Kokomo, Ind.

 BICKELHAUPT, MILES H. (M'55), Electronics Engr., USAF, Rome Air Development Center, Rome, N.Y.

 BICKELMADY, FREDERICK H., JR. (A'59), Electronics Engr., Airtronics, Inc., 5522 Dorsey Lane, Washington 16, D.C.

 BICKFORD, KENNETH F. (S'57-A'58), Electronics Technician, Eberline Instrument Div., 805 Early St., Santa Fe, N.M.
- N.M.
 BICKFORD, WILLIAM J. (S'48-A'49-M'55), Sect. Mgr., Raytheon Mfg. Co., Waltham 54, Mass.
 BICKHART, EDWARD C. (M'59), Circuit Design Engr., Hughes Aircraft Co., Fullerton, Calif.
 BICKING, HOWARD P. (A'50-M'56), Electronics Engr., Radio Div., AEEL, U.S. Naval Air Development Center, Johnsville, Pa.

- Johnsville, Pa.

 BICKMIRE, ROBERT L. (S'49-A'50-M'52-SM-56), Comcercial Engre, Sylvania Elec. Prods., Inc., Emporium, Pa.

 BICKNESE, FRITS H. (M'51). Engr., Telecommunications

 Div. of UN. Hors., 42 St., New York, N.Y.

 BICKSLER, DUNN H. (M'58), Site Engr., RCA Service Co.,

 Patrick AFB, Fla.

- BIDDLE, JUSTIN M. (S'54-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. BIDDLE, WILLIAM G. (A'44-M'46), Sales Engr., Graybar Electric Co., Inc., 332 W. Monument Ave., Dayton 1, Ohio. BIDDLECOMB, RALPH W. (M'5B), Engr., Martin Co., Baltimore 3, Md.
- Baltimore 3, Md.
 BIDERMANN, WILLIAM R. (M'5B), Chief, Reliability Engrg.,
 Kearfott Co., Inc., Little Falls, N.J.
 BIDLACK, CECIL S. (A'35-VA'39-SM'55), Supvr., Systems
 Engrg., Smith Electronics, Inc., 4501 W. Pleasant Valley
 Rd., Cleveland 34, Ohio.

- Rd., Cleveland 34, Ohio.

 BIDLACK, RICHARD H. (M'58), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.

 BIDNER, HARVEY (S'54-A'55), Dev. Engr., American
 Bosch Ama Corp., Garden City, L.I., N.Y.

 BIDULOCK, GEORGE, (S'54-M'55), Sessional Instr., Univ.
 of Alberta, Edmonton, Alta., Canada.

 BIDWELL, CHARLES H. (SM'53), Div. Supvr., Sandia
 Corp., Sandia Base, Albuquerque, N.M.
 BILE, EKNES I. W. (S'53-A'54), LI., USAF, Communications Officer, 709th AC-W Sodn., Ft. Yukon, Alaska.

 BIEDA STANLEY J. (S'53-A'54), Tech. Witter. Tech. History BIEDA, STANLEY J. (S'53-A'54), Tech. Writer, The Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland B,
- BIEDEBACH, MARK C. (S'54-M'56), 23B7 N. Garfield, Altadena, Calif.
- Altadena, Čalif.
 BIŁDERMAN, ARTHUR B. (M'59), 2525 Nostrand Ave.,
 Brooklyn 10, N.Y.

- Brooklyn 10, N.Y.
 BIEDERMAN, LESTER M. (M'45), Genl. Mgr. & Chief Engr., Midwestern Broadcasting Co., Paul Bunyan Network, Traverse City, Mich.
 BIEGEL, ELMER C. (S'55-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 BIEGEN, ANIHONY J. (S'50-A'52-M'57), Sr. Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.
 BIEGING, GLEN P. (M'56), Mgr., Mktq., Missile & Space Vehicle Dept., GE Co., 319B Chestnut St., Philadelphia 4, Pa.
- BIEL, DONALD T. (A'54-M'59), Electronics Engr., Fisher Scientific Co., 711 Forbes St., Pittsburgh 19, Pa. BIELAWA, FRANK R. (S'53-A'54), Elec. Engr., IBM, Poughkeepsie, N.Y.
- Poughkeepsie, N.Y.
 BIELE, R. JAMES (A'44-SM'51), Mgr., Engrg., Audio Components Prod. Sect., GE Co., Auburn N.Y.
 BIELEK, ALFRED D. (M'58), Electronics Engr., Transistor Aeromethods Engrg. Corp., B912 Olympic Blvd., Beverly Hills, Calif.
- HIIIS, Calif.
 BIELENIN, ANDREW (A'54), Elec. Engr., Clark Oil & Refining Corp., 131 St. & Kedzie Ave., Blue Island, III.
 BIELKA, RUBERI P. (SM'5b), Research Engr., Boeing Airplane Co., Box 707, Renton, Wash.
 BIELSIK, FRANK J. (S'56-M'59), 2nd. Lt., USAF, Lackland AFB, Tex.
- Iand AF B, Tex.
 BEN, P. RANCIS I. (M'5B), Sr. Engr., Cook Electric Co.,
 B100 N. Monticello, Skokie, III.
 BIENVENU, MALCOLM L. (M'59), Reliability Measurement
 Engr., GE Co., Syracuse, N. Y.
 BIER, DAVID (M'59), Dev. Engr., Mototola, Inc., 4501
 W. Augusta Blyd., Chicago, III.
 BIERACH KADL E. (B. AMAZ-MAD), Electrology

- W. Augusta Bivd., Chicago, III.,

 BIERACH, KARL F., JR. (A'42-M'4B), Electronics Engr.,

 Bureau of Research & Development, FAA, 7 & D Sts.,

 Washington 25, D.C.

 BIERLEY, DONALD A. (M'59), Electronics Engr., Air Technical Intelligence Center, Wright-Patterson AFB, Ohio.

 BIERMAN, CARL W. (A'53), Tech Rep. Philico Corp.,

 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 BIERMAN, HOWARD (M'59), Assoc. Editor, Hayden Publishing Co., 830 37d Ave., New York 22, N.Y.

 BIERNACKI, HENRY R. A. (S'58-A'58), Engrg. Asst.,

 Canadáir, Ltd., Montreal, P. Q., Canadá.

 BIERNBAUM, JOHN W. (A'51), Owner, John W. Biernbaum,

 Box 7142, Philadelphia 17, Pa.

 BIERNSAUR, GEORGE A. (A'53-M'57), Engrg. Specialist.

- Box 7142, Philadelphia 17, Pa.
 BIERNSUN, GLORGE A. (A'53-M'5/), Engrg. Specialist,
 Sylvania Elec. Prods., Inc., Waltham, Mass.
 BIERWIRTH, R. A. (M'45), Genl. Mgr., Inductor Engrg.,
 Inc., 117 Schley Ave., Lewes, De.
 BIESZCZAD, EDWARD S. (M'59), Jr. Engr., Kellogg
 Switchboard & Supply Co., 6000 W. 51 St., Chicago, III.
 BIFANO, VINCENT J. (A'53-M'58), Equipment Engr., Servo
 Corp. of America, 20-20 Jericho Tpke., New Hyde Park,
 L.I., N.Y.
- L. I., N.Y.
 BIGAR, EDWARD (A'57), Service Mgr., T. Eaton Co.,
 Winnipeg, Man., Canada.
 BIGBIE, EDGAR F. (A'57), Chief Electronics Engr., City of
 Savannah, 223 E. Oglethrope Ave., Savannah, Ga.
 BIGELOW, GOS F. (M'58), Electronics Scientist, Telemetry
 Research, Range Instrumentation Development, White Sands
 Missile Ranch, N.M.
- BIGELOW, HERBERT L., JR. (M'53), Lt. Cmdr., USN, Electronics Engr., Navy Dept., CNO, DNC, Pentagon, Washington 25, D.C.
- BIGELOW, J. FORREST (SM'51), Research Mgr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. BIGELOW, RALPH P. (4'52), Site Engr., Burroughs Corp., Military Field Service Div., 511 N. Braod St., Philadelphia,

- Pa.

 BIGELOW, RICHARD W. (A·53-M·5B), Electronics Engr.,
 USAF, Rome Air Material Area, Griffiss AFB, N.Y.
 BIGELOW, STEPHEN C. (S·54-M·57), Instr., Elec. Engrg.,
 Columbia Univ., New York 27, N.Y.
 BIGGAR, RALPH A. (SM·55), H. C. Johnson Agencies, Inc.,
 111 Mt. Hope Ave., Rochester, N.Y.
 BIGGER, WALLER H. (A·52-M·56), Consulting Engr.,
 5530 Yolanda Lane, Dallas 29, Tex.
 BIGGERSTAFF, W. FREDERICK (A·46-M·55), Radio Engr.,
 U. S. Forest Service, Agricultural Research Center, Beltswille, Md.
 BIGGS, FDWARD M. IR. (M·53), Sure. Publications
- BIGGS, EDWARD M., JR. (M¹53), Supt., Publications, Aeronautical Equipment Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y. BIGGS, J. ALAN (M¹56), Pres., J. Alan Biggs & Co., Inc., Box 450, Doylestown, Pa.
- BIGGS, JAMES D., JR. (S'5D-A'52-SM'57), Sr. Group Engr., Applied Physics Staff, Boeing Airplane Co., Seattle, Wash.
- BIGGS, JOHN A. (M'47-SM'53), Asst. Dir., Research & Dev., Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex. BIGGS, JOHN P. (S'51-A'53-M'5B), Engr., GE Co., Syracuse, N.Y.

- 8IGGS, MARIDN A. (A'51), Chief Engr., KGUL-TV, 19DD Prudential Bldg., Houston 25, Tex. BIGGS, ORRICK H. (A'34-M'55), 56 Colon St., Beverly,

- Mass.
 BIJL, AART (M'58), Koninklije-Shell Lab., 8adhuisweg 3, Amsterdam, Netherlands.
 8IJL, PIETER C. J. (SM'54), Telemetering Engr., 8ataafsche Petroleum Mf., Royal Dutch Shell, The Hague, Netherlands.

- Netnerlands.

 8ILA, PHILIP (M'58), Engr., Sperry Rand Corp., Great Neck, L.I., N.Y.

 BILEK, RICHARD W. (S'56-M'5/), Elec. Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 45, III.

 BILHARZ, OSCAR W., JR. (A'5/), Asst. Project Engr., Pratt & Whitney Aircraft, Canel Operations, Middletown, Conn

- Pratt & Whitney Aircraft, Canel Operations, Middletown, Conn.

 81LEDEAU, VICTOR A. (A'56), Fit/Sdt., Armament Systems Supt., RCAF, Home: 50 John St., Weston, Toronto 15, Ont., Canada.

 81LLETDEAUX, ADRIAN C. (M'58), Research Physicist, Mine Safety Applicances Co., Pittsburgh 8, Pa.

 81LLEY, JAYME C., JR. (M'58), Tech. Editor, Hughes Aircraft Co., Culver City, Calif.

 81LLHEIMER, C. RAYMOND (M'47), Engr., Bureau of Ships, Navy Dept., Washington 25, D.C.

 81LLHIMER, ROBERT D. (A'57), Engr., Bureau of Ships, Navy Dept., Washington 25, D.C.

 81LLHIMER, ROBERT D. (A'57), Engr., Administrator, Instruments for Industry, Inc., 150 Glen Cove Rd., Mineola, L.I., N.Y.

 81LLICK, PAUL (A'50-M'56), Standards Engr., Armed Services Electro-Standards Agency, Ft. Monmouth, N.J.

 81LLIC, LEWIS S. (M'57-SM'5B), Gent. Mgr., Gent. Electronic Labs., 18 Amas St., Cambridge, Mass.

 81LLIMORIA, RUSI P. (A'5B), Iech. Asst., 16 Overseas Communications Service, Govt. of India, Apollo Rd., Bombay 1, India.
- 8ILLIN, A. GILBERT (SM'58), Mgr., Advanced Research & Dev., The Ritter Co., Inc., 400 West Ave., Rochester 3, N.Y.
- BILLIN, WALTER V. (S'55-A'56), Engr., Martin Co., Baltimore 3, Md.
- BILLINGHURST, EDWARD M. (S'52-A'53-M'58), Electronics Design Engr., Beckman Instruments, 2200 Wright Ave., Richmond, Calif.
- Electronics Design Engr., Beckman Instruments, 2200 Wright Ave., Richmond, Calif.

 8ILLINGS, NESTOR (M'59), Sr. Engr., Sylvania Elec. Prods., Inc., Batavia, N., St. Engr., Sylvania Elec. Prods., Inc., Batavia, N., St. Petchnician, Atlanta Police Dept., 175 Decatur St., S.E., Atlanta, Ga.

 8ILLINGS, ROBERT G. (S'54-M'57), Electronics Engr., Ogden Air Material Area. Hill AFB, Utah.

 8ILLINGSLEY, FREDERIC (S'46-A'48-SM'54), Engr., GE Co., Box 11508, St. Petersburg, Fla.

 8ILLINGSLEY, FREDERIC (S'46-M'48-SM'54), District St. Petersburg, Fla.

 8ILLINGSLEY, JAMLS D. (S'54-M'56), Weapon System Engr., Chance-Vought Aircraft Co., Dallas, Tex., BILLINGSLEY, LESLIE H. (S'57-M'59), 101 University Row, Lafayette, La.

 8ILLINGSLEY, SUSAN V. (A'59), Dir., Tech. Library, Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif.

 8ILLINGSLEY, SUSAN V. (M'58), Tech. Writer, GE

- Interstate Electronics Copp., 707 E. Vermonk AVE., Anaheim, Calif.

 BILLINGTON, CHARLES H. (M'58), Tech. Writer, GE. Co., LMED, Utica, N.Y.

 BILLMYER, CHARLES M. (5'50-A'53-M'58), Westinghouse Elec. Corp., 119 Ann St., Harford, Conn.

 BILLS, EUGENE S. (M'50), 1st Lt., USAF, APO 253, 39 T. C.5.: New York, N.Y.

 BILLS, EUGENE S. (M'51), 7r. Engr., Test, Martin Co., Box 179, Denver 1, Colo.

 BILLS, GEDRGE R. (S'52-A'54), Test Engr., Aerojet-Genl. Corporation, Box 1947, Sacramento, Calif.

 BILLS, GLENN W. (M'56), Research Specialist, No. Amer. Aviation. Inc., Downey, Calif.

 BILLSTEIN, R. WILTUN, (A'54), Asst. Chief Engr., Special Apparatus Engrq., Div., Radio Condenser Co., Davis & Copewood Sts., Camden 3, N.J.

 BILLSTEMM, RICHARDA A. (S'58-M'59), System Test Engr.,
- Copewood Sts., Canden 3, N.J.

 SILLSTROM, RICHARD A. (S'58-M'59), System Test Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 BILLUPS ERNEST E. (S'49-A'50-M'55), Electronics Engr., Missile Borne Guidance & Control Branch, Electro-Mechanical Labs., White Sands Missile Range, N.M.

 SILLUPS, ROBERT R. (M'59), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 SILOCO, RAYMOND E. (A'55), Technician, CBC., 272 Huot, Mareville 8, P.O., Canada.

 SILODEAU, RAYMOND L. (S'57-M'58), Field Engr., Link Aviation, Inc., Binghamton, N.Y.

 SILOON, ROBERT F. (S'48-A'50-M'54-SM'56), Sr. Engr., BMEWS, RCA Serivce Co., 1908 Bannard St., Riverton, N.J.

- N.J.
 BILOTTI, ALBERTO (A'50), Chief, Application Lab., Fapesa, Vedia y Forest, Buenos Aires, Argentina.
 BILL12, FARNCIS J. (A'41-M'55), Mgr., Communications Dept., Remington Rand Univac, St. Paul 16, Minn.
 BILY, JOHN J. (SM'57), Chief, Test Branch, Air Force, Ballistic Missile Div. Field Office, Box 29, Palo Alto, Calif.

- Ballistic Missile Div. Field Office, Box 29, Palo Alto, Calif.

 BILYEU, ROGER P. (S'53-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BINDLER, DAVID I. (S'54-M'56), Long., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 BINDLEWALD, EUGEN R. (S'55-M'56), Jr. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 BINDLER, JOSEPH T. (M'49-SM'55), Mai., Chief, Radio Engrg. Branch Alaska Communication System, 550 Federal Office Bldg., Seattle 4, Wash.

 BINELLI, WALTER D. (M'59), Production Engr., Lansdale Tube Co., 500 S. Main St., Spring City, Pa.

 BINGLELI, WALTER D. (M'59), Production Engr., Collins Radio Co., Cedar Ragids, Iowa.

 BINGHAM, HARVEY W. (M'59), Sr. Engr., Martin Co., Baltimore 3, Md.

 BINGHAM, ROBERT C. (A'54), Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 BINGLEY, FRANK J. (A'34-M'36-SM'43-H'5U), IV Research Engr., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.

 BINKLY, ROBERT A. (M'58), Master Control Supvr., America Brazad-sting Co., 1539 N. Vine Hollywood.

- 8INKEY, ROBERT A. (M'58), Master Control Supvr., American Broadcasting Co., 1539 N. Vine, Hollywood 28, Calif.

- BINKIS, ALEXANDER M. (S'56-M'58), Engr., Zenith Radio Corp., 6D01 W. Dickens Ave., Chicago, III. BINNALL, EUGENE P. (S'55-M'57), Electronics Engr., Smith-Corona Marchant, Inc., 6701 San Pablo Ave., Oakland B, Calif.

- Oakland 8, Calif.

 8INNEVELD, HERMAN A. J. (A'51), Tech. Illustrator, Allen B. DuMont Labs., Inc., 75D Bloomfield Ave., Clifton, N.J.

 8INNIX, RICHARD G. (A'59), Asst. Electronics Officer, VP-18, NAS, Jacksonville, Fla.

 8INNS, FRANK D. (M'57), Chief Engr., WLAC, Inc., 159, 4 Ave., N., Nashville 3, Tenn.

 8INNS, FREDERICK W. (M'58), Electronics Engr., 1885, AACSINSTL Sadn., Pacific GEEIA Region, APO 323, San Francisco, Calif.

 8INNS, JOHN R. (A'26-VA'39-SM'54), Magazar Chief.

- AACSINSTL Sadn., Pacific GEEIA Region, APO 323, San Francisco, Calif.

 BINNS, JOHN R. (A'26-VA'39-SM'54), Honorary Chmn. & Dir., Hazeltine Corp., Little Neck, L.I., N.Y.

 BINSACK, JOSEPH H. (M'5B), Elec. Engr., MI1, Lincoln Lab., Lexington 73, Mass.

 BINSTOUK, LEUNARD (A'52-M'57), Research Assoc., Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa.

 BINSTOCK, MORTON H. (S'56-M'5B), 54D4 Aylesboro Ave., Pittsburgh 17, Pa.

 BINSTOCK, MORTON H. (S'52-A'54-M'5B), Mem. Jech. Staff, RCA Labs., Princeton, N.J.

 BINTASAN, LEUN (S'53-A'54), Lecturer, College of Engrg., Chulalongkorn Univ., Bankok, Thailand.

 BINYON, BASIL (M'14-SM'43)IL), Hawthorndene, Hayes, Kent, England.

 BINZEL, MARKLEY S. (A'47-M'55), Elec. Engr., City of Kirkwood, Kirkwood 22, Mo.

 BINZER, CARL (S'53-A'54-M'59), Systems Engr., RCA Service Co., 217 Highland Ave., Westmont, N.J.

 BIOLLEY, ELIE J. M. (A'52-M'57), Tech. Mgr., Compagnle Industrielle Francaise Des Tubes Electroniques, Le Cathoscope Francais, 160 Rte. d'Heyrleux, Lyon 7, France.

 BIONDI, EMANUELE (A'54). Assistente di ruolo. Instituto di
- France. 810NDI, EMANUELE (A'54), Assistente di ruolo, Instituto di Elettrotecnica Generale del Politecnido di Milano, Milano,
- Name of the state of the state

- England.

 81RCH, GERALD F. (S'58-M'59), Assoc. Engr., Martin Co., Baltimore, Md.

 81RCH, JEROME S. (S'45-A'49-M'55), Research Engr., Boeing Airplane Co., Seattle, Wash.

 81RCH, RICHARD S., JR. (S'48-A'5D-M'55), V.P. & Genl. Mgr., Audio Video Systems, inc., 4850 N.W. 2nd Ave., Miami 37, Fila.

 81RCH, ROBERT S. (A'52), Electronics Engr., Associated Missile Prods. Corp., 2709 N. Garey Ave., Pomona, Calif.
- Calif.

 BIRCH, WILLIAM 8. (A'56), Electronics Asst., Physical Oceanography, Univ. of Rhode Island, Kingston, R.I.

 BIRCHER, PHILLIP H. (S'50-A'51-M'54), Sect. Supvr., Sandia Coro., Sandia Base, Albuquerque, N.M.

 BIRCHFIELD, WILLIAM P. (A'53), Mor. & Chief Engr., Charleston Broadcasting Co., WHAN, 152 Market St., Charleston, S.C.

 BIRD, C.H.R. (A'30-VA'39), Engr.-in-Chg., Yamachiche Receiving Sta., Canadian Overseas Telecommunications Corp., Yamachiche, P.Q., Canada.

- BIRD, CARL M. (S'54-M'56), Assoc. Engr., IBM, Owego, N.Y.

- N.Y.

 SIRD, EUGENE H. (A'54), Natl. Convention Mgr., Motorola Communications & Electronics, Inc., 4501 W. Augusta Blvd., Chicago 51, Ill.

 BIRD, FRANK W. (S'57-A'58), Tool Engr. "A," Boeing Airplane Co., Seattle, Wash.

 SIRD, GEORGE L. JR. (S'57-A'58), Systems Design Engr., National Co., 37 Washington St., Melrose, Mass.

 SIRD, GEORGE T. (M'46-SM'58), Mgr., Guided Missile Div., ARINC Research Cop., 1700 K St., N.W., Washington, D.C.

 BIRD. HAROLD H. (A'53), Tech. Dir., Towaco Testing

- Ington, D. C.
 BIRD, HAROLD H. (A'53), Tech. Dir., Towaco Testing
 Lab., 22 Douglas Dr., Towaco, N.J.
 BIRD, J. RAYMOND (SM'54), Pres., Bird Electronic Corp.,
 1800 E. 38 St., Cleveland 14, Ohio.
 BIRD. JAMES R. (SM'52), Consulting Radio Engr., Chief
 Engr., KKIS, Pittsburg, Calif.
 BIRD, L. T. (A'40-M'45), Tech. Liaison Officer, Canadian
 Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q.,
 Canada.

- Canada.

 81RD, PETER F. (M'58), Supvr., Quality Control, Admiral Corp., 901 Callformia Ave., Paio Alto, Calif.

 81RD, ROBERT N. (A'55), Mem. Tech. Staff, Ramo-Wooldridge, Box 45444, Los Angeles 45, Calif.

 81RD, STANLEY P. (A'51), Sr. Mech. Engr., Potter Aeronautical Corp., Rte. 22, Union, N. J.

 81RD, WALTER S. (A'57), Specialist Technician, Grass Instrument co., 101 Old Colony Ave., Quincy 70, Mass.

 81RDSALL, CHARLES K. G'47-A'51-M'56-SM'59), Consultant, Electron Physics, Microwave Lab., GE Co., 601 California Ave., Palo Alto, Calif.

 81RDSALL, THEORDORE G. (M'57), Assoc. Research Mathematician, Univ. of Michigan, Research Institute, Ann Arbor, Mich.

 81RDSEY, GEORGE J., JR. (M'53), Fleid Formatician, Calonal California Arbor, Mich.

- ematican, Juniv. or mitingan, research institute, Ann Arbor, Mich.

 BIRDSEY, GEORGE J., JR. (M'53), Fleld Engr., Stavid Engrg., Inc., U. S. Hww., 22, Plainfield, N. J.

 BIRELEY, RICHARD L. (M'56), Design Engr., Convair-Astronautics, San Diego, Calif.

 BIRENBAUM, LEO (A'48-M'55), Research Assoc., Micro-wave Research Institute, 55 Johnson St., Grook Jn 1, N. Y.

 BIRGE, WARREN A. (A'55), Chief, Electronics Sect., Ad-vanced Systems, Martin Co., Orlando, Fla.

 BIRK, E., VERNON (A'48), Asst. Engr., The Ohio Bell Tel. Co., 221 N. Front St., Columbus 15, Ohio.

 BIRKENBEAD, WARREN D. (A'41-M'49), Pres. & Owner, Warren Birkenhead, Ltd., No. 3, 21 Gochl, Shiba Park, Minato Ku, Tokyo, Japan.

 BIRKETT, BRUCE T. (M'57), Electronics Scientist, Navy

- MINATO KU, TOKYO, Japan.

 SIRKETT, BRUCE T. (M'57), Electronics Scientist, Navy Electronics Lab., San Diego, Calif.

 SIRKHOLZ, ROBERT L. (S'57-A'58), Electronics Technician, Land-Air, Inc., Holloman AF8, N.M.

- BIRMAN, GERHARD (M'55), Sr. Engr., RCA Victor, 1001 Lenoir St., Montreal, P.Q., Canadı.

 BIRMINGHAM, DDNALD J. (M'57), Elec. Engr., RCA, 1181,9 W. Olympic Bivd., Los Angeles 64, Caili.

 BIRMINGHAM, HENRY P. (M'53-SM'56), Head, Human Engro. Dev. Sect., Applications Research Div., Navai Research Lab., Washington 25, D.C.

 BIRNBAUM, GOERGE (A'43-M'55), Sr. Staff Physicist, Hughes Aircraft Co., Culver City, Caili.

 BIRNBAUM, JOSEPH (G'55-M'56), 147 Remsen Ave., Brooklyn 12, N.Y.

 BIRNBAUM, WILLIAM N. (M'57), Sr. Engr., Arma Div., Roosevelt Field, Carden City, L.1., N.Y.

 BIRNIE, BRUCE A. (S'55-M'57), Teupipment Design Engr., C8S-Hytron, Newburyport, Mass.

 BIRO, DANIEL J. (S'55-A'57), 1530 W. 47 Ave., Gary, Ind.

- BINO, JANIEL J. (5:35-A:7), 15:30 W. 47 AVE., vary, Ind.

 BIROCHAK, EDWARD (A:52-M:57), Sales Mgr., Weinschel Engrg. Co., 1D503 Metropolitan Ave., Kensington, Md.

 BIRX, DONALD L. (S'49-A:51-M:54), Sr. Staff Engr., The Franklin Institute Labs. for Research & Development, 2D & Pkwy., Philadelphia 3, Pa.

 BISBY, JACK F. (S'41-A:42-SM:50), Mgr., Sales Engrg., Airborne Instruments Lab., Inc., 1345 New York Ave., Huntington Sta., L.I., N.Y.

 BISCARDI, JOHN J. (S'57-M'58), Electronics Scientist, Instrumentation, Aero Engine Lab., Naval Air Material Center, Philadelphia Naval Base, Philadelphia 12, Pa.

 BISCHOF, CARL C., JR. (S'57-M'58), Electronics Engr., FAA, Federal Bildg., Jamaica 30, L.I., M.Y.

 BISCHOF, ALFRED F. H. (SM'49), Mgr., Coolidge Lab., GE Co., X-Ray Dept., 4855 Electric Ave., Milwaukee 14, Mir.

- 17, Wife Schoff, John J. (S'50-A'51), Elec. Design Engr., Airborne Instrument Labs., Mineola, L.I., N.Y.
 8ISCOE, GEORGE W. (S'54-A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 8ISCOBB, LLOYD I., JR. (S'53-M'57), LI., USN, Electronics Officer, Naval Communications Facility, Yokosuka, Japan, Navy 830, FPO, San Francisco, Calif.
 8ISER, MARK H. (A'35-M'40-SM'43), V.P., Capitol Radio Engrg. Institute, 3224 16 St., N.W., Washington 10, D.C.

- 10, D.C.
 8ISHOP, ALBERT 8, III (M'58), Asst. Prof., Industrial
 Engra., Ohio State Univ., Columbus 10, Ohio.
 8ISHOP, ALBERT R. (M'50), Transmitter Maint., Mt. Hood
 Radio & TV Broadcasting Corp., 140 S.W. Columbia St.,
 Portland, Dre.

- ROTTAING, DEC.

 8ISHOP, BENJAMIN F. (S'55-M'57), Asst. Engr., Raytheon Mfg. Co., Maynard, Mass.

 8ISHOP, 8RUCE E. U'38-A'40-M'55), Electronics Engr., U.S. Naval Ordnance Lab., Corona, Calif.

 8ISHOP, CARL R. (S'57-A'58), 2090 Lake Dr., Winston-Salem, N.C.

- 8ISHOP, CARL R. (S'57-A'58), 2090 Lake Dr., Winston-Salem, N.C.

 8ISHOP, DONALD D. (S'56-M'58), Tuslog Det. 16, APO 289, New York, N.Y.

 8ISHOP, DONALD J. (S'50-A'51-M'56), Sr. Group Engr., Boeing Aimlane Co., Box 3107, Seattle 14, Wash.

 8ISHOP, DONALD J. (S'50-A'51-M'56), Sr. Group Coroup, Convair, San Diego 12, Calif.

 8ISHOP, Orovair, San Diego 12, Calif.

 8ISHOP, FREDERICK W. (S'55-M'58), Research Asst., Electronics, Stanford Univ., Stanford, Calif.

 8ISHOP, GEORGE E. (M'56), Electronics Engr., Collins Radio Co., Cedar Rapids, lowa.

 8ISHOP, GRANT W. (M'50), Engr., Bendix Aviation Corp., 95 & Troost Ave., Kansas City, Mo.

 8ISHOP, HAROLD M. (M'54), Studio Engr., Canadian Broadcasting Corp., St. Johns, Nild., Canada.

 8ISHOP, HAROLD M. (M'54), Studio Engr., Canadian Broadcasting Corp., St. Johns, Nild., Canada.

 8ISHOP, HAROLD M. (A'45-M'55), Electronics Scientist, USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.
- USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.

 ISHOP, HAROLD O. (SM'46), Dir., Facilities Engrg. Div., USN. 1220 Pacific Hwy., San Diego, Callf.

 ISHOP, HARRY L., JR. (M'53), Pres., Hytronic Measurements, Inc., 1295 S. Bannock, Denver 23, Colo.

 ISHOP, JACK W. (S'55-A-57), Field Ren., Military Field Service Div., Burroughs Corn., St. Davids, Pa.

 ISHOP, JOHN B. (M'39-SM'43), Military Electronics Engr., Bell Tel. Labs., 463 West St., New York 14, N.Y.

 ISHOP, JOHN D. (S'51-A'54-M'59), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 ISHOP, JOHN F. (A'52-M'57), Genl. Mgr., Systems Div., Beckman Instruments, Inc., 325 N. Muller St., Anaheim, Callf.

 ISHOP, JOHN G. (A'46-M'55), Chief Engr., CHSJ-AM-TV, 14 Church St., St., John, N.B., Canada.

 ISHOP, NATHANIEL (A'26-SM'45), Assoc. Research Dir., Time, Inc., 835 Hope St., Springdale, Conn.

 ISHOP, PETER (M'56), Engr., Genl. Radio Co., Broad Ave. & Linden St., Ridgefield, N.J.

 ISHOP, REGINALD I. (M'57), Staff Mem., Sandla Corp., Sandla Base, Albuquerque, N.M.

 ISHOP, RICHARD H. (M'57), Test Engr., IBM, Endicott, N.Y.

 ISHOP, RICHARD H. (M'57), Test Engr., IBM, Endicott, N.Y.

 ISHOP, ROBERT P. (A'51-M'56), Sr. Project Engr.,

- N.Y.

 8ISHOP, ROBERT P. (A'51-M'56), Sr. Project Engr.,
 Dynatronics, Inc., Orlando, Fla.

 8ISHOP, WALTER M. (A'55), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.

 8ISHOP, WALTON B. (M'46), Electronic Scientist, Air
 Force Cambridge Research Center, Hanscom Field, Bedford,
 Mass.
- Mass.

 8ISHOP, WILLIAM T., JR. (A'31-VA'39-SM'52), Genl. Mgr., Radio Industries, Inc., 1307 Central Ave., Kansas City 2, Kan.

 8ISKO, THOMAS (A'55), Equipment Design & Dev. Engr., Westinghouse Elec. Corp., Horseheads, N.Y.

 8ISS, MATTHEW W. (A'54), Asst. Elec. Engr., Metropolitan Sanitary District of Greater Chicago, 5900 W. Pershing Rd., Cicero 5D, III.

- rersning Rd., Cicero 5D, III.

 8ISS, RITA ELLEN (A'53-M'158), 241-21 86 Ave.,
 Bellerose 26, L.I., N.Y.

 8ISSEGGER, CHARLES A. (S'56-M'59), Research Engr.,
 Fairchild Camera & Instrument, 5 Aerial Way, Syosset,
 L.I., N.Y.
- BISSELL, HENRY M. (S¹53-A¹55), Mem. Patent Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

- BISSETT, ELDON B. (A'51-M'56), Electronics Engr., Office of the Chief of Naval Operations, Dept. of Defense, Pentagon Bidg., Washington, D.C.
 BISSETT, JEAN C. (M'58), Electronics Engr., Hors., Sacramento GEEIA Region, McClellan AFB, Calif.
 BISSO, ROBERT J. (A'52-M'54-SM'58), Design & Dev. Engr., Sylvania Elec. Prods., Inc., Emportum, Pa.
 BISSONETTE, ALFRED J. (SM'58), Chief Engr., Baldwin Piano Co., 1801 Gilbert Ave., Cincinnatt 2, Ohio.
 BISSONETTE, ARTHUR G. (A'54), Electronic Scientist, Communication & Navigation Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
 BISTANY, FRANK A. (A'58), Production Mgr., Epsco, Inc., 588 Commonwealth Ave., Boston 15, Mass.
 BISTRUP, JORGEN H. (M'59), Staff Engr., Page Communication Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

BITINAS , JOSEPH (A'47-M'55), Test Engr., Curtiss-Wright Corp., Central Ave., Carlstadt, N. J. BITNER, R., FRANK (A'55), Asst. V.P., Prentice-Hall, Inc., 70 5 Ave., New York, N. Y.

Inc., 70 5 Ave., New York, N.Y.
BITNER, RALPHE. (A'47-M'55), Patent Atty., 245
Churchill Rd., West Englewood, N.J.
BITNER, ROBERT J. (M'58), Chief Engr., Nebraska Rural
Radio Assn., KRVN, 104 W. B St., Lexington, Neb.
BITTEL, MALCOLM M. (SM'56), Genl. Mgr., Wayne-George
Corp., 1117 Commonwealth Ave., Boston 15, Mass.
BITTER, CHARLES R., JR. (S'49-A'50-M'55), Project
Engr., Motorola, Inc., B201 E., McDowell Rd., Phoenix,
Ariz.

BITTMAN, LORAN R. (A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. BITTMAN, ERIC E. (M'54), Research Engr., Burroughs Com., Research Center, Paol1, Pa.

Com., Research Center, Paoli, Pa.

BITTNER, BURT J. (A.43-M-49-SM'57), Mgr., Nuclear Instrumentation Div., Gulton Industries, Inc., 15000 Central, E., Albuquerque, N.M.

BITTNER, JOHN W. (S'44-A'54-M'59), Assoc. Physicist, Brookhaven Natl. Lab., Uoton, N.Y.

BITZ, EUGENE A. (S'49-A'51-M'57), Electronics Engr., Naval Ordnance Lab., White Oak, Md.

BITZEK, KALPH J. (S'46-A'47-M'51), Pres. & Uniet Engr., Ralph J. Bitzer, Consulting Engr., 812 Olive St., St. Louis 1, Mo.

Engr., Raiph J. Bitzer, Consulting Engr., 812 Olive St., St. Louis 1, Mo.
BIVANS, GEORGE A., JR. (S'5/-M'58), Engr., Westinghouse Elec. Corp., Baltimore, Md.
BIVANS, RICHARD W. (S'54-M'56), Electronics Engr., Radiation, Inc., Melbourne, Fla.
BIVENS, HUGH M. (S'56-M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.
BIVINS, JOHN F. (SM'58), Pres., Bivins & Caldwell, Inc., BIVINS, WILLIAM P. (M'54), Sales Engr., Bivins & Caldwell, Inc., 3133 Maple Dr., N.E., Atlanta 5, Ga.
BIMER, MELVIN M. (S'55-M'57), Elec. Engr., AC Spark Plug Dr., GMC, Prospect & Kenilworth, Milwaukee 7, Wis BIXBY, HAROLD O. (A'53-SM'53), Dir., H. O. BIxby Associates, Cambridge 42, Mass.
BIXBY, LAWKENCE H., JR. (S'50-A'53), Project Engr., IBM, San Jose 10, Calif.
BIXBY, WALLACE L., Sif. 46-A'48-M'55), Sales Mgr.,

BIXBY, WALLACE L. (5:46-A:48-M:55), Sales Mgr., Krohn-Hite Corp., 580 Massachusetts Ave., Cambridge 39, Mass.

Magas.

BIXLER, DONALO A. (M'53), Group Engr., G & | Div., Philoco Corp., Wissahickon Plant, Philadelphia 44, Pa. BIXLER, OTTO C. (SM'52), Mgr., Mfg., Aeronutronic Systems, Inc., Newport Beach, Calif.

Systems, Inc., Newbort Beach, Calif.
BIXLEK, K. (HEUDURE (SM'56), Standardizing Engr.,
RCA, Lancaster, Pa.
BIZUN, ANDREW M. (5'5B-M'59), Engr., Westinghouse
Elec. Corp., West Mifflin Township, Pa.
BIZON, MICHAEL J. (A'51), Electronics Engr., Le-Hi
Electrical Co., 604 Market St., Newark 5, N.J.
BJARGMUNDSSON, INGOLFUR (A'57), Engr.-In-chg.,
Iceland Air Safety Program, Iceland CAA, Reykjavik,
Iceland. Iceland.

BLERKE, JOHN O. (A'46-M'55), Engr., Newport News Shipbuilding & Dry Dock Co., Newport News, Va. BJERRE, PAUL (M'5B), Instr., Elec. Engrg., Unio Univ., Athens, Ohio.

Athens, Onio.

BJORK, ALBION P. (S'57-M'59), Asst. Engr., CIW

Project, Bethlehem Steel Co., 97 E. Howard St., Quincy Project, Be

Foject, Determent Scer Lov., 77 E. Howard S.F., Valling, 69, Mass.
BJORK, NILS A.N. (M'59), Research Engr., Svenska AB Gasaccumulator, AGA, Stockholm, Lidingo, Sweden.
BJURKMAN, FARKELL D. (M'56), Design Engr., Boeing Airplane Co., Box 107, Seattle B, Wash.
BJURKS IAM, JUHN L. (S'49-A'54), Asst. Prof., Elec. Engrg., Univ. of Washington, Seattle 5, Wash.
BJORKSTAM, JUHN L. (S'49-A'54), Asst. Prof., Elec. Engrg., Univ. of Washington, Seattle 5, Wash.
BJORNSOLAME E. (S'58-A'58), Temonton, Utah.
BJORNBERG, VICTOR J. (M'58), Sector Supt., Federal Electric Corp., Ret. 77, Paramus, N.J.
BJORNSON, WINFIELD G. (SM'58), Design Specialist, Electronics Reliability, Convair, San Diego 12, Calif.
BLAAUW, GERRIT A. (S'51-A'53-M'57), Advisory Engr., IBM, Poughkeepsie, N.Y.
BLACHMAN, NELSON M. (A'50-SM'53), Scientific Liaison

IBM, Poughkeepsie, N.Y.

BLACHMAN, NELSON M. (4'50-SM'53), Scientific Llaison Officer, Office of Naval Research, 429 Oxford St., London W. 1, England.

BLACK, ALEXANDER M. (5'49-A'49-M'54), Ordnance Engr., Army Ballistic Missile Agency, Huntsville, Ala.

BLACK, CHARLES P. (A'59), Electronics Engr., Westrex Co., Ltd., 152 Coles Green Rd., London N. W. 2, England.

BLACK, CLIFFORD J. (A'52-M'52), Sr. Engr., Naval Ordnance Lab., White Oak, Silver Spring 17, Md.

BLACK DAVID G., JR. (5'46-A'48-M'52)-SM'57), Assoc. Patent Dev. Div., Research Corp., 405 Lexington Ave., New York 17, N.Y.

BLACK, DONALD M. (A'30-M'40-SM'33), Mem. Tech. Staff. Bell Tel Labs., Murray Hill, N.J.

BLACK, DONALD R. (A'45-M'55), Elec. Engr., The Emerson Electric Mfg. Co., B100 W. Florissant, St. Louis 21, Mu.

Louis 21, Mo.

BLACK, DUNCAN T. (A'54-M'55), District Radio Regulations Engr., Dept. of Transport, 739 W. Hastings St., Vancouver 1, B.C., Canada.

BLACK, ELMO (M'53), Owner, Mobile Radio Co., 1414 W. Main St., Oklahoma City 4, Okla.

BLACK, EUGENE, JR. (S'41-A'43-M'46-SM'50), V.P., Engre, Narda Ultrasonics Corp., 625 Main St., Westbury, L.I., N.Y. BLACK, FRANK R. (A'53-M'55), Research Engr. "A", Lockheed Missiles & Space Div., Box 504, Sunnyvale, Calif.

- 96 -

BLACK, GEORGE R. (A'54), Genl. Precision Lab., Inc., Pleasantville, N.Y. BLACK, GUY (A'55), Advanced Research Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif.

Calif.

BLACK, HAROLD (M'56), Lt. Col., U. S. Army, Infantry.

1018 Tenth Loop, Sandia Base, Albuquerque, N. M.

BLACK, HAROLD S. (M'42–SM'43–F'48), Research
Engr., Bell Tel, Labs., Murray Hill, N.J.

BLACK, HENRY L. (S'45–A'49–M'55), I lech. Writer,
Hughes Aircraft Co., Culver City, Calif.

BLACK, JAMES G. (A'45), Box 9, APU 63, San Francisco,
Calif.

Calif.

BLACK, JAMES H. (A'5/), Electronics Engr., The American Tobacco Co., 2401 E. Main St., Richmond, Va.

BLACK, JAMES M. (A'54), Electronics Engr., Weapons Systems Div., MW, Norton AFB, San Bermardino, Calif.

BLACK, JAMES K. (A'46-M'55), Mgr., Microelectronics Lab., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

BLACK, JAN (M'5/), 5r. Applications Engr., Hughes Aircraft Co., Los Angeles 45, Calif.

BLACK, JOHN C. (S'43-A'44-M'55), Pres., Radio Systems, Inc., 2706 3rd Ave., Seattle J., Wash.

BLACK, JOHN E. (M'57), Production Engre, Mgr., Order-

BLACK, JUHN E. (M'5/), Production Engrg. Mgr., Underwood Corp., 581 Capitol Ave., Hartford, Conn.

BLACK, JUHN E. (M*5/), Production Engrg. Mgr., Underwood Corp., 581 Capitol Ave., Hartford, Conn.
BLACK, KNOX C. (M*29-5M*43-F*49), Scientific Advisor, Supreme Allied Command, Europe, Institute for Defense Analyses, OSCAD, SHAPE, APO 55, New York, N.Y.
BLACK, LAWRENCE (M*54), Electronics Engr., Bureau of Ships, Navy Dept., Washington 25, D. C.
BLACK, LEUN M. (A*55), Engr., Convair, Pomona, Calif. BLACK, LEUNARD J. (A*31-SM*46-F*53), Prof., Elec. Engrg., Univ. of California, Berkeley 4, Calif.
BLACK, EUNIS (M*52), Owner, Louis Black Co., 1101 E. Loma Alta Dr., Altadena, Calif.
BLACK, PAUL B. (M*46-SM*51), Program Mgr., Sylvania Elec. Prods., Inc., 175 Great Arrow Ave., Buffalo, N.Y.
BLACK, KEVUS K. (A*36-SM*51), Program Mgr., Sylvania Elec. Prods., Inc., 175 Great Arrow Ave., Buffalo, N.Y.
BLACK, RUSCH, (A*36-SM*51), Program Mgr., Sylvania Elec. Prods., Inc., 175 Great Arrow Ave., Buffalo, N.Y.
BLACK, RUSCH, (A*36-SM*51), Program Mgr., Sylvania Elec. Prods., Junc., 175 Great Arrow Ave., Buffalo, N.Y.
BLACK, RUSCH, (A*36-SM*51), Program Mgr., Sylvania Elec. Prods., Junc., 175 Great Arrow Ave., Buffalo, N.Y.
BLACK, RUSCH, (A*36-SM*51), Program Mgr., Sylvania Elec. Prods., Junc., 175 Great Arrow Ave., Buffalo, N.Y.
BLACK, RUSCH, (A*36-SM*51), Program Mgr., Sylvania Elec. Prods., Junc., 175 Great Arrow Ave., Buffalo, N.Y.
BLACK, STANLEY, J. (M*57), Dev. Engr., GE Co., 2417ck AFB, Fla.
BLACK, STANLEY, H. (S*52-A*54-M*59), Sr. Dev. Engr., Steprey Georgeon Co. Supraviela Colif

BLACK, TANLEY H. (S'52-A'54-M'59), Sr. Dev. Engr., Spery Gyroscope Co., Sunnyvale, Calif.
BLACK, HUMAS L. (A'48-M'55), Project Engr., GE
Co., Johnson City, N.Y.

BLACK, W. LINDSAY (M'36-SM'43), Mem. Tech. Start, Bell Tel. Labs., Whippany, N.J.
BLACKBURN, CHARLES A. (S'50-A'53-M'56), Engr., The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

Md. State of the property of t

ATALLOS, INGIANABOLIS, ING.
BLACKMAN, BIRT G. (A'43-SM'50), Sr. Engr., Bendix
Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
BLAUKMAN, BRUUE A. (A'53-M'59), Project Engr., Well
Surveys, Inc., Box 2656, Tulsa 1, Okla.
BLACKMAN, CORNELIUS P. (A'41-SM'57), Equipment Engr.,
Smith Electronics, Inc., 4501 W. Pleasant Valley Rd.,
Cleveland 34, Ohio.

Gleveland 34, Onlo.

BLACKMAN, R.B. (A'40-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

BLACKMAN, WILLIAM H. (M'59), Mgr., Engrg. Publications, RCA, 11819 Olympic Blvd., Los Angeles 64, Calif.

BLACKMON, HENDLEY (SM'57), Engrg. Mgr., Association Activities, Westinghouse Elec. Corp., Box 2278, 3 Gateway Center, Pittsburgh 30, Pa.

BLACKSHEAR, JACK W. (A'57), Sales, Branum Co., Dallas,

BLACKSMITH, PHILIPP, JR. (S'48-A'50-M'54), Electronics Scientist, Air Force Cambridge Research Center, CRRDG, Hans-com Field, Mass.

com Field, Mass.

BLACKSTOCK, ROBERT S. (S'49-A'50-M'55), Dev. Engr., GE Co., Syracuse, N.Y.

BLACKSTOCK, ROBERT S. (S'49-A'50-M'55), Dev. Engr., GE Co., Syracuse, N.Y.

BLACKSTONE, HENRY (A'44-SM'54), Pres., Servo Corp. of America, 2020 Jericho Toke., New Hyde Park; L.I., N.Y.

BLACKWELL, JUHN H. (S'47-M'49-SM'55), Assoc. Prof., Univ. of Western Ontario, London, Ont., Canada.

BLACKWELL, LAWKENGE A. (M'59), Sr. Engr., Jexas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

BLACKWELL, MARIUN B. (A'54-M'55), Electronics Engr.. Convair, Pomona, Calif.

BLACKWELL, UTIO B. (M'20-H'28XL), Retired, 15 North Dr., Plandome, L.I., N.Y.

BLACKWELL, INDMAS E. (A'57), Sales Service Engr..

BLAUKWELL, IHUMAS E. (A'5/), Sales Service Engr., Sylvania Elec. Prods., Inc., 2115 Sylvan Rd., S.W., Atlanta, Ga.

Atlanta, Ga.

BLACKWELL, WILLIAM A. (M'57), Project Aerophysics Engr., Conviar, Ft. Worth, Tex.

BLACKWELL, WILLIAM C. (S'53-A'54), Systems Design Engr., Collins Radio Co., Cedar Rapids, Iowa.

BLACKWELL, WOUDLEY C., JR. (A'57), Jr. Tech. Writer Govt. Engrs. Div., Emerson Radio & Phonograph Corp., 14 & Coles Sts., Jersey City 2, N.J.

BLACKWOOD, GORDON W. (M'59), Asst. Service Mgr., Thomas A. Edison of Canada, 32 Front St., Toronto, Ont., Canada.

8LAGG, ROBERT L. (M'57), Chief Engr., WLOW, James Broadcasting Corp., 1410 Columbus Ave., Portsmouth, Va.

BLAHNA, CHARLES (A'43-SM'45), Dir., Production Engrg. & Outgoing Quality Control, Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, [III.
BLAIN, FARLE J. (M'57), Officer-in-Chg., USN Microwave Link Sta., Mt. Santa Rita, Navy 3002, Box 80, FPO, San Francisco, Calif.

BLAINE, ROBERT F. (A'53), Pres., Blaine Electronetics, Inc., 14757 Keswick St., Van Nuys, Calif.
BLAINE, WILLIAM E. (A'57), Transmitter Engr. (WSB Radio), Atlanta Newspapers, Inc., 1601 W. Peachtree St., N.E., Allanta 9, Ga.

BLAIR, BILLY W. (S'56-M'59), 3 Watnong Rd., Morris Plains, N.J.

BLAIR, BRIAN D. (S'53-M'55), Engr., Communications RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada BLAIR, CHARLES R. (A'53-5M'5B), Mathematician, Nati. Security Agency, Ft. Meade, Md.

Security Agency, Ft. Meade, Md.
BLAIR, DAVID J. (M'59), Engr., Sylvania Elec. Prods., Inc.,
1100 Wherle Dr., Williamsville, N.Y.
BLAIR, DEWEY (S'51-A'53-M'57), Engrg. Dept. Supvr.,
W D, Inc., 6407 Warrick St., Gincinnati 27, Ohio.
BLAIR, DONALD R. (A'53), Business Mgr., Electronic Engrg.
Co. of California, 1601 E. Chestrut St., Santa Ana, Calif.
BLAIR, FREDERICK D. (S'57-M'5B), 1/ Nelles Rd., Welland, Ort., Canada.
BLAIR, G. RIUHARD (M'5B), Research Chemist, McMillian Industrial Corp., Ipswich, Mass.
BLAIR, GEORGE (S'55-M'59), 6B25 Falworth St., Citrus Heights, Calif.
BLAIR, RAILAN A. JR. (A'50-M'58), Sr. Engr., Fenco.

BLAIR, HARLAN A., JR. (A'50-M'58), Sr. Engr., Femco, Inc., Irwin, Pa.

BLAIR, HARLAN A., JR. (4'50-M'58), Sr. Engr., Femco, Inc., Irwin, Pa.

BLAIR, JOHN (M'56). Instr.. MIT. Cambridoe 39. Mass. BLAIR, L. RUSSELL (L4'52-M'58), Electronics Engr., Good-year Aircraft Corp., Litchfield Park, Ariz.

BLAIR, RALPH G. (S'57-M'57), Lt., Royal Canadian Artillery, Canadian Army, 2 Regt. Royal Canadian Horse Artillery, Winnipeg 9, Man., Canada.

BLAIR, RONALD S. (S'54-M'55), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

BLAIR, RUYER R. (SM'54), Mem. Tech. Staft, Bell Tel. Labs., Whippany, N.J.

BLAIR, WILLIAM L. (SM'56), Project Engr., Cubic Corp., 5575 Kearney Villa Rd., San Diego 11, Calif.

BLAIR, WILLIAM L. (SM'56), Project Engr., Cubic Corp., 5575 Kearney Villa Rd., San Diego 11, Calif.

BLAIR, WILLIAM M. (G'54), Engr., GE Co., Ithaca, N.Y.

BLAIS, PHILLIP O. (S'49-A'54), Research Engr., Erie Resistor Co., 644 W., 12 St., Erie, Pa.

BLAISDELL ARTHUR A. (A'52-M'57), Mlcrowave Engr., Microwave Associates, Inc., Burlington, Mass.

BLAISDELL, HAROLD L. (M'46-SM'53), Electronics Engr., USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.

BLAISDELL, WILLARD C. (A'48-SM'48), Genl. Mgr., Bludworth Marine Div. Karafett Control Lab., 1800 Main.

London, Lonn.
BLAISDELL, WILLARD C. (A'48-SM'4B), Genl. Mgr.,
Bludworth Marine Div., Kearfott Co., Inc., 1500 Main
Ave., Clifton, N.J.
BLAKE, BARRY F. (S'57-A'59), Dev. Engr., Eastman
Kodak Co., 343 State St., Rochester 4, N.Y.
BLAKE, CARL (A'50-A'157), Staff, MIT, Lincoln Lab.,
Lexington 73, Mass.

Lexington 7.3, mass.

BLAKE, DONALD L. (S'58-M'59), Asst. Project Engr.,

Kearfott Co., Inc., 1500 Main Ave., Clifton, N. J.

BLAKE, F. GILMAN, JR. (S'39-A'41-SM'50), Supvr.,

Geophysics Research, California Research Corp., Box 446,

La Habra, Calif.

La Habra, Calif.

BLAKE, GORDON A. (SM'55), Maj. Gen., Cmdr., USAF
Security Service, Box 139, Kelly AFB, San Antonio, Tex.

BLAKE, HERBERT C. (S'56-M'59), Assoc. Research Engr.
'A', Boeling Airplane Co., Seattle 24, Wash.

BLAKE, JAMES A. (4"54), Consulting Engr., Kirk Engrg.,
Philadelphia, Pa.

BLAKE, JOHN B. (M'46), Sr. Engr. Pacific Telephone &
Telegraph Co., 102 N. Stoneman St., Alhambra, Calif.

BLAKE, JOHN T. (S'49-A'52-M'54), Mem. Tech. Staff,
Atlas Project Office, Space Technology Labs., Box 4277,
Patrick AFB, Fla.

BLAKE, LAMONT V. (A'42-M'45), Consultant, Search
Radar Branch, Code 5331, Radar Div., U.S. Naval Research Lab., Washington 25, D.C.

BLAKE, NEAL... G'59-A'54-M'59), Sect. Head, ITT

search Lab., Washington 25, D.C.

BLAKE, NEAL A. (S'50-A'54-M'59), Sect. Head, ITT
Labs., 3702 E. Pontiac, Ft. Wayne 1, Ind.

BLAKE, ROBERT C. (A'56), Studio Engr., KSOA-TV,
1211 N. Whitlker, Odessa, Tex.

BLAKE, ROBERT E. (A'54-M'57), Research Elec. Engr.,
No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio.

BLAKELEY, FRANK J. (A'56-M'57), Engr., Erle Resistor
Corp., 644 W. 12 St., Erle, Pa.

BLAKELEY, WILLIAM C. (M'54), Wing Cmdr., RAAF, 47
Hampshire Rd., Sunshine, Victoria, Australia.

BLAKELY, CHARLES E. (S'54-M'56), Project Dir., Research Engr., Georgia Institute of Technology, Atlanta 13,
Ga.

BLAKELY, JOHN R. (SM'57), Mar., Search Radar, Sect.

Ga.

BLAKELY, JOHN R. (SM'57), Mgr., Search Radar Sect.,
Raytheon Mfg. Co., Wayland, Mass.

BLAKELY, LOYD (A'57), Fleld Engr., Autonetics Div., No.
Amer. Aviation, Downey, Calif.

BLAKELY, ROBERT T. (SM'52), Corporate Staff Engr., Burroughs Corp., 2nd Ave., Detroit 32, Mich.

BLAKELY, RUSSEL E. (M'5B), Engr., Western Electric Co.,
Laureldale, Pa.

Laureldale, Pa.

BLAKEMORE, JOHN S. (SM'59), Staff Scientist, Minneapolisthoneywell Regulator Co., Research Center, Hopkins, Minn.

BLAKESLEE, KENNETH L. (S'57-M'58), Engr., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.

BLAKLEY, DAVID H. (M'56), Maj., USAF, Det. 1, SHAPE, 114 1st Special Activities Sodn., APO 55, New York, N.Y.

BLADCIK, JAMES N. (A'55), Research Analyst, Ryan Aeronautical Co., 2701 Harbor Dr., San Diego 12, Calif. BLANCHARD, ANDRE (SM'48), V.P. Technique, Schlumberger Well Surveying Corp., Box 2175 Houston 1, Tex.

BLANCHARD, BYKON E. (S'56-M'57), 15 Bigelow St., Cambridge 39, Mass.

Cambridge 39, Mass.
BLANCHARD, CARL K. (S'44-A'49-M'55), Field Engr.,
Sperry Gyroscope Co., Great Neck, L.I., N.Y.
BLANCHARD, DUNALD I. (S'53-A'55), Engr., Boeing Airplane
Co., 7755 E. Marginal Way, Seattle 88, Wash.
BLANCHARD, FLE I CHER A., JR. (A'51-M'56), Assoc Prol.,
Elec. Engrg., Univ. of New Hampshire, Durham, N.H.

- BLANCHARD, HENRY P. (A'42-M'48), Mgr., Weapons Systems Lab., Stanford Research Institute, 333 Ravenswood, Menlo Park, Calif.
- BLANCHARD, J. WAYNE (A'44-M'55), Employment Security Mgr., N.Y. State Dept. of Labor, 41 State St., Aubum, N.Y.
- N.Y.
 BLANCHARD, JACK W. (M'57), Project Dlr., Applied Research
 Lab., Univ. of Arizona, Tucson, Ariz.
 BLANCHARD, JOHN T. (M'54), Electronics Engr., Edgerton,
 Germeshausen & Grier, Inc., 16D Brookline Ave., Boston
 15, Mass.
- 15, Mass.
 BLANCHARD, JOSEPH M. (M'56), Sect. Mgr., Raytheon Mfg.
 Co., Wayland, Mass.
 BLANCHARD, MORTON K. (S'56-M'58), Engr., Davies Lab.,
 Div., Minneapolis-Honeywell Regulator Co., 10721 Hanna
 St., Beltsville, Md.
- 8LANCHARD, ROBERT L. (SM'55), V.P. & Dir., New Prod. Research, Trans-Sonics, Inc., Rte. 128 & Middlesex Tpke., Burlington, Mass.
- BLANCHARD, ROBERT R. (M'50), Radio Engr., Broadcast Engrg. Service Co., 1510 S. Chase, Denver 26, Colo. BLANCHARD, RONALD J. (M'56), Sr. Engr., ITT Labs., Nutley 10, N.J.
- BLANCHARD, WILFRID E., JR. (M¹59), Industrial Sales Engr., Sylvania Elec. Prods., Inc., 2001 N. Comell Ave., Melrose Park, III.

- Melrose Park, III.

 BLANCHARD, WILLIAM A. (A'54), Sr. Engr., Stavid Engrg., Inc., Hwy, 22, Plainfield, N.J.

 BLANCHER, DONALD W. (A'52-M'58), Chief Mfg. Engr., Leach Corp., 18435 Susana Rd., Compton, Calif.

 BLANCHETTE, CHARLES F. (S'52-A'53-M'58), Sr. Engr., Oatamatic Div., Minneapolis-Honeywell Regulator Co., 151

 Needham St., Newton Highlands 61, Mass. Needham St., Newton Highlands 61, Mass.
 BLANCKE, TIMOTHY 8. (S'53-A'55), Engr., Curtiss-Wright Corp., Carlstadt, N.J.
 BLANCO, MICHAEL G. (S'56-M'5B), Electronics Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BLAND, EDWARD W. (A'5/), V.P. & Genl. Mgr., B & L. Radio & Television Supply, Inc., 2424 Texas Ave., Lubbock, Tex.
 BLAND FORESTS.

- BLAND, FORREST K. (A'56-M'58), Engr., Trans World Airlines, M.C.I. Airport, Parkville, Mo.
- BLAND, GEDRGE F. (S'50-A'51-M'58), Staff Engr., IE Watson Research Lab., 612 W. 115 St., New York 25, N.Y.

 BLANK, JOHN A. (M'56), Radio Inspector, Telecommunications Div., Dept. of Transport, 404 Public Bldg., Calgary, Atla., Canada.

 BLANK, STANLEY (S'49-A'50-M'55), Supvy. Physicist, Naval Ordnance Labs., Code 52, Corona, Calif.

 BLANK, STEPHEN J. (M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 BLANK, WILLIAM A. (S'51-A'52-M'57), Prod. Analysis Engr., Collins Radio Co., Cedar Rapids, lowa.

 BLANKENBAKER, JOHN V. (A'54), 20 Maple Ave., Cambridge 39, Mass.

 BLANKENSHIP, ALVIN C. (M'57), Sr. Electronics Engr.

- bridge 39, Mass.
 BLANKENSHIP, ALVIN C. (M'5/), Sr. Electronics Engr.,
 Trans-Tech, Inc., P.O. Box 103 Rockville, Md.
 BLANKENSHIP, LOWELL, F. (M'52), Radio Technician, Continental Airlines, Inc., Stapleton Field, Denver, Colo.
 BLANKS, BRUCE L. (M'5/), Asst. Physicist, Radiology Department, Emory Univ., Atlanta 22, Ga.
 BLANKS, ROBERT T. III (S'55-M'56), Assoc. Engr., Radar Engrg., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 3, Md.
- port, Baltimore 3, Md. BLANNING, RDBERT B. (A'51-M'56), Tech. Specialist, Tem-co Aircraft Co., Box 6191, Dallas, Tex. BLANTON, H. ELMORE (SM'55), Supvr., Reliability Engrg. Sect., Corporate Office, Engrg. Practices, Raytheon Mfg. Co., Waltham 54, Mass.
- LANTON, JAMES E. (S'54-M'56), Aeronautical Research Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala. BLANTON, MELBURN J. (A'56), Sr. Lab. Technician, Beck-man Instruments, Fullerton Rd., Fullerton, Calif. BLASBALG, HERMAN (A'48-M'55-SM'56), Research Scien-tist, Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

- Timonium, Md.

 BLASBALG, SAMUEL (S'4B-A'50-M'58), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 BLASBERG, LAWRENUE A. (A'51-SM'51), Systems Engr., Missile & Surface Radar Div., RCA, Moorestown, N.J.

 BLASDEL, F. G., JR. (A'43-M'55), Staff Engr., Raytheon Mfg. Co., Wayland, Mass.
 BLASHFIELD, WILLIAM H. (A'43-M'55), Dev. Engr., North Electric Co., Gailon, Ohio.

 BLASI, EMMANUEL A. (SM'46), Mgr., Electromagnetics, Lockhed Missiles & Space Div., 1122 Jagels Rd., Sunnyvale, Calif.
- BLASIER, HERBERT E. (A'32-VA'39), Owner & Chief Engr., Monitor Prods. Co., 815 Fremont Ave., South Pasadena,
- Calif.

 BLASINGAME, JESSE J. (M'49), Electronics Engr., Boeing Airplane Co., Patrick AFB, Fla.

 BLASINGAME, JOHN R. (M'59), Pan Electronics Corp., Box 584, Griffin, Ga.

 BLASJO, MERLE H. (M'5B), Project Head, Motorola, Inc., 8330 Indiana Ave., Riverside, Calif.

 BLASLJ, MARVIN F. ("5"3-A"55), Research Engr., No. Amer. Aviation, Downey, Calif.), Research Engr., No.

- Missile Guidance Lab., W.L. Maxson Corp., 375 10 Ave., New York, N.Y.
- BLASSEL, PIERRE P. (S'52-A'53-M'5B), Communication Engr., Centre Natl. d'Etudes des Telecommunications 3, Ave. de la Republique, Issy les Moulineaux, France.
- BLATCHFORD, DEAN (A'54), 22134 Ybarra Rd., Woodland Hills, Calif.
- Hills, Calif.

 BLATCHFORD, ROBERT C. (S'56-M'58), Engr., Arizona Public Service Co., 501 S. 3rd Ave., Phoenix, Ariz.

 BLATCHLEY, CURTISS M. (A'56-M'5/), Electronics Specialist, Army Electronics Proving Ground, Ft. Huachuca, Ariz. BLATT, EARL L., JR. (S'55-M'57), Engr., Sylvania Elec. Prods., Inc., 124 N. Whisman Rd., Mountain View, Calif. BLATT, HOWARD ('59'), Statt Engr., Lincoln Lab., MIT, Lexington 73, Mass.

 ILATTERMAN H. (A'401-M'46), Co-Chief Engr., Earl
- BLATTERMAN, H. L. (A'40-M'46), Co-Chief Engr., Earl C. Anthony, Inc., KFI, 141 N. Vermont, Los Angeles 4, Calif.
- Staff, RCA Labs., Princeton, N.J.

- BLATZ, RUDOLPH E. (M'57), Communications Engr., Western Electric Co., 220 Church St., New York 13, N.Y.
 8LAU, CARL C. (A'58), Technician, Military Prods. Div.,
 Burroughs Corp., 501 N. Broad St., Philadelphia, Pa.
 8LAU, WILLIAM (A'51), Sect. Chief, Emerson Research
 Labs., 701 Lamont St., N.W., Washington, D.C.
 8LAUSIEIN, HERBERT D. (M'57), Elec. Engr. "A", RCA,
 Camden 2, N.J.

- BLAUSTEIN, HERBERT D. (M'57), Elec. Engr. "A", RCA, Camden 2, N.J.

 BLAUSTEIN, PAUL H. (S'52-A'54-M'58), Patent Lawyer, Arthur, Dry & Dole, 1230 6 Ave., New York, N.Y.

 BLAUSTEIN, SHELDON E. (A'52-M'58), Project Engr., Space Weapons Task Group, Picatinny Arsenal, Dover, N.J.

 BLAUYELI, ALFRED J. (A'55), IV Service Technician, 6914 8 Ave., Brooklyn, N.Y.

 BLAUYELI, RALPH C. (SM'4B), Project Mgr., Designers for Industry, 4241 Fulton Pkwy., Cleveland, Ohio.

 BLAZEK, GUSTAV, JR. (A'56), Field Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 BLAZEK, WALLER J. (S'56-M'57), Design Engr., Ford Instrument Co., 30-10 41 Ave., Long Island City 1, N.Y.

- BLEASDALE, EUGENE J. (M'59), B41 Woodside Rd., Redwood City, Calif.
- BLEASUALE, JOSEPH (A'50), Mgr. & Partner, Central Radio & Television Depot, 118-120 Blackburn Rd., Accrington, Lancs., England.

- Lancs., England.

 BLECHA JIRI (A'75), Research Chemist, Enterprise Tesla, Premysleni, Prague, Czechoslovakia,

 BLECHER, FRANKLIN H. (S'49-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray HIII, N.J.

 BLEUSOE, JUHN A. (A'53), Research Assoc., Univ. of Michigan, Willow Run Airport, Yosilardi, Mich.

 BLEDSUE, RUBERT E. (S'47-A'50-M'57), Elec. Engr., Migo Electronic Corp., 7601 N.W. 37 Ave., Miami 47, Fla.
- Fla.
 BLEICHNER, CHARLES W. (SM'51), Dev. Engr., GE Co., Schenectady, N.Y.
 BLEIL, FRANK J. (S'32-A'35-SM'45), Engr.-in-Chge., CBS, Brentwood, N.Y.
 BLEISCH, GEORGE W. (S'50-A'52-M'56), Mem. Tech. Staff Bell Tel. Labs., Murray Hill, N.J.
- BLESSE, HENRY O. (M°59), Production Engr., Electro-Mechanical Research, Inc., Box 3041, Sarasota, Fla.
- BLESSING, HENRY L. (A'53-M'5B), Staff Supvr., (1oil Maint.), The Ohio Bell Tel. Co., 1 S. 4 St., Columbus 15, Ohio.
- BLESSING, ROBERT R. (A'53-SM'59), Dev. Engr., IBM,
- Poughkeepsle, N.Y.
 BLESSING, ROBY L., JR. (S'55-M'57), Engr., Levinthal Electronic Prods., 3180 Hanover St., Palto Alto, Calif.
 BLETCHER, ARTHUR L. (S'44-A'47-M'54), Sr. Engr., Aerophysics Dept., Goodyear Aircraft Co., 1210 Massillon Rd., Akron, Ohio.

- Rd., Akron, Ohio.

 BLETT, E., BARTON (A'30-VA'39), Dir., Previews of Progress, Public Relations Staff, GMC, Detroit 2, Mich.

 BLETZINGER, PETER (M'58), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 BLEVINS, ERNEST L. (A'48), Communications Services Chief, United Air Lines, 5959 S. Cicero, Chicago 38, III.

 BLEVINS, HAROLD R. (M'59), U.S. Naval Drdnance Lab., Silver Spring, Md.

 BLEVINS, BERTRAMC (S'53-M'57). Physicist. Defense
- Silver Spring, Md.
 BLEVIS, BERTRAM C. (S'53-M'57), Physicist, Defense
 Research Telecommunications Est., Shirley Bay, Ottawa,

- Ont., Canada.

 BLEVIS, EARL H. (M'56), Box 43, MacDonald College, P.Q., Canada

 BLEWETT, JOHN P. (A'43-M'55-SM'56), Sr. Physicist, Brockhaven Natl. Lab., Upton, L.I., N.Y.

 BLEWITT, DONALD D. (M'58). Jr. Design Engr., Westinghouse Elec. Corn., East Pittsburgh, Pa.

 BLEY, LELON, H. (M'57), Dev. Engr., Jeffers Electronics Div., Speer Carbon Co., Dubdis, Pa.

 BLIAMPTIS, EMMANUEL E. (S'57-M'58), Asst. Prof., Elec. Engrg., Univ. of Rhode Island, Kingston, R.I.

 BLICHER, ADOLPH (A'53-SM'58), Mgr., Computer
- BLICHER, ADOLPH (A'53-SM'58), Mgr., Computer Transistor Design, Semiconductor Div., RCA, Somerville N.J.
- N.J. BLICHFELDT, EDWARD (M'57), Industrial Specialist, American Bosch Arma Corp., Garden City, L.I., N.Y. BLICKENSOERFER, JOHN A. (SM'55), Sr. Research Engr., Stanford Research Institute, Menio Park, Calif.
- Stanfor research institute, Menio Park, Calif.
 BLICKSTEIN, MARTIN J. (S'50-A'51-M'56), Engr.,
 Polytechnic Research & Development Co., 202 Tillary St.,
 Brooklyn, N.Y.
- BLICQ, RONALD S. (A'58), Publications Engr., Canadian Aviation Electronics, Ltd., 387 Sutherland Ave., Winnipeg 4, Man., Canada.
- 4, Man., Canaoa.
 BLIGH, EOWARD J. (S'55-A'56), 7715 4 Ave., Brooklyn 9, N.Y.
 BLIGHT, ARTHUR F., JR. (A'48-M'55), Mgr., Guidance
 Dept., Lockheed Missile Systems Div., 1122 Jagels Rd.,
 Sunnyvale, Calif.
- LIKKEN, WENDELL A. (S'43-A'48-M'55), Research Engr., Univ. of Michigan, Willow Run Labs., Ann Arbor, Mich.
- Mich.

 BLINCOE, HOMER P. (M'58), Sr. Engr., Sperry Rand Clearwater Facility, Box 1828, Clearwater, Fla.
 BLINN, WILLIAM J. (451_M'57), Tech. Advisor, Hors. USAFE, DCS-INTEL-EPC, APD 633, New York, N.Y.
 BLINOFF, WILLIAM J. (871_M'57), Sales Original Equipment Mirs., Semiconductor Div., Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Ariz.
 BLISS, BRUCE J. (4'59), Research & Dev. Engr., Metals & Controls Corp., 51 Forest St., Attleboro, Mass.
 BLISS, BURTIE. (A'55), Project Engr., IBM, Kingston, N.Y.
 BLISS, DONALO C. (1467).

- N.Y.
 BLISS, OONALO C. (A'46), Pres., Bliss Electronic Corp.,
 Box 366, Sussex, N.J.
 BLISS, EDWARD E. (A'54), Project Engr., RCA, Harrison,
 N.J.
- N.J.
 BLISS, GILBERT B. (A'50-SM'53), Prof. & Head of Elec.
 Engro., Southwestern Louisiana Institute, Lafayette, La.
 BLISS, JAMES C. (S'56-M'57), Engro. Div., Stanford
 Research Institute, Menlo Park, Calif.
 BLISS, PHILIP (S'37-A'40-M'47-SM'52), Asst. Project
 Engr., Pratt & Whitiney Aircraft, Middletown, Conn.
- BLISS, ROBERT W. (S'53-A'54), Project Engr., Magnavox
- Co., Urbana, III.

 BLISS, STEWART A., JR. (S'54-M'56), Staff Mem., Sandia
 Corp., Sandia Base, Albuquerque, N.M.
 BLISS, W. RODERIC (M'50), Asst. Tech. Dir., American
 Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn.

- BLISS, WARREN H. (A'41-SM'46), Research Engr., RCA,
- Princeton, N.J.
 BLISS, WILLIAM P. (S'57-M'57), Elec. Engrg. Dev.,
 Goodyear Aircraft Corp., Litchfield Park, Arlz.
 BLISS, ZENAS R. (A'54), Prof., Engrg., Brown Univ.,
 Providence 12, R.I.
- Providence 12, R.I.

 8LITCH, MICHAEL G. (M'57), Systems Analyst, McDonnell Aircraft Corp., Box 516, St. Louis, Mo.

 8LITZ, DANIEL (M'45), Assoc., Sanders Associates, 95
 Canal St., Nashua, N.H.

 BLITZER, STANFORD D. (SM'58), Chief Engr., Minneapolis-Honeywell Regulator Co., 14D0 Soldiers Field Rd., Boston, Mass.

 BLIXT, RICHARD F. (S'58-M'59), Etc. Formal March Control of the Con

- Rd., Boston, Mass.

 BLIXT, RICHARD E. (S'58-M'59), Elec. Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 BLIXT, ROBERT P. (M'59), Supvg. Engr., Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul 4, Minn.

 BLOCH, ERICH (A'52-M'57), Sr. Engr., IBM, Pough-keepsle, N.Y.
- keepsie, N.Y.
 BLOCH, MARVIN W. (M'56), Dev. Engr., Burroughs Corp.,
 Research Center, Paoli, Pa.
 BLDCH, RENE M. (S'47-A'51), Cmdr., French Navy, In
 chp. of Research & Dev., French Naval Aviation, Service
 Technique Aeronautique, 4 Avenue de la Porte d'issy,
- Paris 15, France.

 BLDCK, ALVIN V. (S'48-A'51-M'56), Sr. Engr., Advance Industries, Inc., 640 Memorial Dr., Cambridge 39, Mass.

 BLOCK, ARTHUR F. (M'57), 363 Addison Ave., Elmhurst,
- BLOCK, DONALD E. (S'54-M'58), Project Engr., Packard Bell Computer Corp., 1905 Armacost St., Los Angeles 25, Calif.

- Calif.

 BLDCK, EDWIN B. (A'51), Research Engr., Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.

 BLOCK, EDWIN H. (S'56-M'58), Research Engr., Defense
 Research Lab., 500 E. 24 St., Austin 12, Tex.

 BLOCK, EMANUEL J. (S'49-A'50'M'55), Sr. Engr.,
 Remington Rand Univac, 1902 W. Minnehaha Ave., St., Paul
 W44, Minn.

- BLOCK, FERD G. (A'49-M'55), Mgr., Methods & Process Lab., RCA, Lancaster, Pa.

 BLOCK, FRED G. (A'49-M'55), Mgr., Methods & Process Lab., RCA, Lancaster, Pa.

 BLDCK, I. EDWARD (S-43-A'45-M'55), Mgr., Computation Center, Electronic Instrument Div., Burroughs Corp., 1209 Vine St., Philadelphia 7, Pa.

 BLOCK, JAY M. (S'56-M'57), Electronics Engr. & Mem. Tech. Staff, Systems Dev. Lab., Hughes Aircraft Co., Culver City, Calif.

 BLOCK, KENNETH A. (A'47-M'55), Elec. Engr., Convair, San Diego, Calif.

 BLOCKER, TOM B. (M'57), Asst. Dir., Radio Liberation Network, 1657 Broadway, New York, N.Y.

 BLOCKI, WILLIAM G. (A'54), Owner, Sales Engr., Bill Blocki Associates, 2280 Liberty Rd., Stow, Ohio BLODGET, ADEAN, C. (M'56), Design Engr., Digital Data Processing Unit, GE Co., Syracuse, N.Y.

 BLODGETT, LEUKARD, C. (M'56), Design Engr., Digital Data Processing Unit, GE Co., Syracuse, N.Y.

 BLODGETT, WILLIAM G. (S'53-M'59), Digital Computer Design Engr., Hughes Aircraft Co., Culver City, Calif.

 BLOBEMBERGEN, NICOLAAS (SM'58), Gordon McKay Prof., Applied Physics, Harvard Univ., Cambridge 38, Mass.

 BLOEMBERGEN, NICOLAAS (SM'58), Gordon McKay Prof., Applied Physics, Harvard Univ., Cambridge 38, Mass.

 BLOEMSKR, LAWRENCE J. (A'55), Tech. Writer, Martin Co., Baltimore 3, Md.

 BLOEMSMA, JAN (A'36-M'55), Dir., Dean, Prop., Technical High School for Radiotechnique & Electronics, Mient 551, 499, 555, The Hague, W. Netherlands.
- BLOHM, CHARLES F. (S'55-A'57), Chief Engr., Lakeshore Broadcasting Co., Inc., WDOE, Willow Rd., Dunkirk, N.Y. BLOM, BENJAMIN V. (A'41-SM'48), Tech. Dir., Signal Communications Debt., J.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.
- Ground, Ft. Huachuca, Ariz.

 BLOMBAUM, HARRY M. (M'159), Elec. Engr., RCA Victrola Div., Camden 8, N.J.

 BLOMBERG, K. HUGO (M'45-F'50), Pres., Svenska Radiaktiebolaget, 12 Alstromergatan, Stockholm, Sweden. BLOMBERG, PERRY E. (A'55), Technician, The Electric Auto-Lite, 511 Hamilton St., Toledo 1, Ohio BLOMBERG, RICHARD C. (S'54-A'57), Lab. Technician, Northern Electric Co., 5224 N. Kedzie, Chicago 25, III. BLOMQVIST, ERIK A. (A'52-M'57), Div. Engr., Consolidated Edison Co. of New York, Inc., 708 1st Ave., New York 17, N.Y.
 BLON, JUAN L. (A'53-SM'54), Supt. of Tech. Operation.
- New York 17, N.Y.

 BLON, JUAN L. (A'53-SM'54), Supt. of Tech. Operation, Transradio Internacional S.A., San Maryin 379, Buenos Aires, Argentina.

 BLONDER, ISAAC S. (A'5D-M'55), V.P., Blonder-Tongue Labs., 9 Alling St., Newark 2, N.J.

 BLONDET-BLOISE, LUIS (S'52-A'53), V.P., Treas., Casa Blondet, Inc., Callmano St. *1, Guayama, Puerto Rico.

- BLONG, VICTOR J. (S'55-M'58), Electronics Engr., Organ Research, C. G. Conn, Ltd., 1101 E. Beardsley, Elkhart,
- Ind.

 BLOOD, BERNARD E. (A'55), Research Engr., MIT, Cambridge 39, Mass.

 BLOOM, CHARLES H. (M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BLOOM, EARL M., JR. (S'54-M'55), Assoc. Engr., IBM, Endicott, N.Y.
- Endicott, N.Y.

 BLOOM, FRANK J. (A'49-SM'57), Tech. Coordinator, New York Univ., University Hgts., New York 53, N.Y.

 BLOOM, GERALD M. (S'54-M'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BLOOM, GILBERT (A'36), Electronic Instrument Maint., Litton Industries, Industrial St., San Mateo, Callf.

 BLOOM, JEFFERSON D., JR. (A'34-SM'46), Dir., Engrg., WWL TV & Radio, 1024 N. Rampart St., New Orleans 16, La.

- BLOOM, JEROME H. (S'45-A'47-M'57), Chief, Vacuum Electronics Sect., USAF Cambridge Research Center, Hanscom Field, Bedford, Mass.
- BLOOM, LEON (M'58), Head, Formulation Sect., Natl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthorne, Calif.
- BLOOM, LEONARD (A'53-M'58), Patent Engr., The Black & Decker Mfg. Co., 600 E. Pennsylvania Ave., Towson 4, Md. BLODM, LOUIS (A'45-M'55), Pres., Syncro TV Labs., Inc., 116-36 Springfield Blvd., St. Albans, L.I., N.Y.

- BLOOM, LOUIS R. (M'54-SM'54), Mgr., Physics Research Lab., Sylvania Elec. Prods., Inc., 208-20 Willets Point Blvd., Bayside, L.I., N.Y.

 BLOOM, MARTIN S. (M'48), Sect. Mgr., Imperial Chemical Industries, Ltd., Billingham, Durham Co., England.
 BLOOM, MELVIN I. (S'53-M'56), Elec. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.
 BLOOM, RQBERT A. (S'47-A'50), Communications Officer, U.S. Dept. of State, American Consulate, Nicosia, Cyprus BLOOM, RQBERT D. (A'58), Electronics Techniclan, IBM, Endicott, N.Y.
- Endicit, N.Y.

 BLOOM, VICTOR A. (M'57), Amament & Electronics Officer, USAF, SAC., 3 Aspen Ave., Pease AFB, N.H.

 BLOOM, WILLARD E. (A'47), Owner-Engr., Macken Electronics, 5 W. Post Rd., White Plains, N.Y.

 BLOOMBERG, HAL (M'54), Chief Engr., Industry Service Labs., 1819 Ave. R., Brooklyn 29, N.Y.

 BLOOMBERG, RICHARD A. (M'57), Semiconductor Components Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

- Beverly Hills, Calli.

 BLOOMENTHAL, SIDNEY (A'27-M'46), Sr. Project Engr., Genl. Telephone Labs., 400 Wolf Rd., Northlake, III.

 BLOOMER, THDMAS M. (A'40-M'45-SM'45), Mgr., Engr., Services, Westinghouse Elec. Corp., Electronics Div., Box 746, Baltimore 3, Md.

 BLOOMEIELD, JAMES A. (S'49-A'51-M'57), Design Engr., Systems Group, United Control Corp., 4540 Union Bay Pl., Seattle 5, Wash.

 BLOOMQUIST, JACK L. (S'55-A'57), Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N.M.

 BLOOMQUIST, JAMES C. (A'52), Supply. Electronics Engr., Air Proving Ground Center, Eglin AFB, Fla.

 BLOOMQUIST, LEONARD A. (A'55), Project Engr., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, III.

- BLOOMQUIST, ROBERT G. (M'55), Instr., Electronics, GE Co., Syrácuse, N.Y.
 BLOOMQUIST, WAYNE B. (A'53-M'59) Sect. Head, Data Analysis, Electronic Systems Dept., Haller, Raymond & Brown, Inc., Science Park, State College, Pa.
 BLOOMSBURG, RALPH A. (M'56), Pres. & Genl. Mgr., Genl. Mutual Insurance Co., Albany 1, N.Y.
 BLOOMSBURGH, RALPH A., JR. (M'46), Engrg. Group Supvr., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.

- Pa.

 BLORE, WILLIAM E. (S'56-M'58), Electronics Engr., Defense Research Board, DRTE/CW, Ottawa, Ont., Canada. BLOSCHIES, FRED H. (M'46), Sr. Electronics Engr., Convair-Astronautics, San Diego, Calif. BLOSK, ROBERT T. (M'59), Computer Design Engr., Prod. Dev. Lab., IBM, Poughkeepsie, N., USS, RICHARD P. (S'56-M'58), Electronics Design Engr., Aut. Cash Register Co., S Main & K Sts., Dayton 9, Ohio.

- Dayton 9, Unio.
 BLOSS, ROBERT C. (M'56), Sr. Engr., Philoc Corp.,
 4700 Wissahickon Ave., Philadelphia 44, Pa.
 BLOSSEY, CARL W. (M'5B), Radio Engr., Delco Radio Div.,
 700 E. Firmin, Kokomo, Ind.
- BLOSSOM, EDWARD L. (M'58), Tech. Writer, IBM, Endicott,
- BLOSTEIN, MAIER L. (M'56), Lecturer, Elec. Engrg. Dept., McGill Univ., Montreal, P.Q., Canada.
 BLOTT, EDWARD J., JR. (S'56-M'57), Engr., GE Co., Ithaca, N.Y.
- BLOTTMAN, JOHN B., JR. (S'46-A'47-M'57), Research Engr., Tufs Univ., Elec. Engrg. Dept., Medford 55, Mass. BLOUCH, DONALD H. (S'56-M'58), 2nd LL., USAF, Natl. Security Agency, Ft. Meade, Md.
- Security Agency, Ft. Meade, Md.
 BLOUGH, ARTHUR K., JR. (\$'52-A'55), Staff, Comservpac,
 USN, Comservpac, Box 22, FPO, San Francisco, Calif.
 BLOUNT, EDWARD M. (M'53), Sr. Design Engr., Goodyear
 Aircraft Go., Lichfield Park, Ariz.
 BLOUNT, JOHN F. (\$'55-M'56), Mgr., Honey, Regent, Mojac Theatres, Indianola, Miss.
 BLOUNT, WALTER A. (M'57), Electronics Design Engr.,
 American Electronics, 9449 W. Jefferson Blvd., Los Angeles, Calif.

- geles, Calif.
 BLOW, ANGUS W. (A'45-M'52), Chief Engr., Webster Productomatic Corp., 795 Monroe Ave., Rochester 4, N.Y.
 BLOW, THOMAS C. (S'48-A'50-M'55), Electronics Scientist, Department of Defense, Washington 25, D. C.
 BLOWERS, RICHARD C. (S'53-A'55), Tech. Writer, Weltronic Co. W. 8 Mile, Detroit, Mich.
 BLOXSOME, JOHN L. (M'5B), Jr. Engr., IBM, Kingston, N.Y.

- N.Y.
 BLUE, KENNETH D. (A'57), Studio Supvr., KCRA-TV, 10
 St., Sacramento, Calif.
 BLUE, RICHARD M. (S'57-M'59), 1118 Princeton St.,
 Santa Monica, Calif.
 BLUE, THOMAS F., JR. (S'55-A'57-M'58), Propagation
 Analyst, Smith Electronics, 4501 Pleasant Valley Rd.,
 Cleveland, Ohio.
 BLUHM, RICHARD W. (A'48), Asst. Sr. Engr., Bendix
 Aviation Corp., Teterboro, N.J.
 BLUHM, VERNON A. (M'58), Elec. Engr., GE Co., Syracuse,
 N.Y.

- N.Y.
 BLUM, CHARLES M. (A'55), Project Engr., Burroughs Corp.,
 Paoll, Pa.
 BLUM, FLOYD W. (S'57-M'59), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park, Los Angeles, Calif.
 BLUM, HARRY (A'51), Electronics Scientist, U.S. Advisory
 Group, Shape Air Defense Tech. Center, Box 174, The
 Hague, Netherlands.

- Hague, Netherlands.

 BLUM, HEINZ E. (A'55), Chief Engr., Entron, Inc., 4902
 Lawrence St., Bladensburg, Md.

 BLUM, LESTER M. (M'59), Mem. Tech. Staff, Hughes Aircraft Co., Fulleton, Calif.

 BLUM, MARVIN (M'56), Design Specialist, Convair-Astronautics, San Diego 12, Calif.

 BLUM, MAURICE S. (A'53-M'58), Electronics Engr., U.S.
 Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- BLUM, RICHARD J. (A'53-M'58), Electronics Engr., Bell Aircraft Cop., Box 1, Buffalo 5, N.Y. BLUM, ROBERT J. (A'57), Dev. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- BLUM, SOLOMON (SM'56), Group Engr., Convair, Ft. Worth,
- BLUM, STANLEY (S'55-M'57), Tech. Engr., GE Co., Cin-

- BLUMBERG, DONALD F. (S'57-M'59), Systems Engr., IBM, Kingston, N.Y.
 BLUMBERG, JACK (M'59), 34 Bayley Ave., Yonkers, N.Y.
 BLUMBERG, LEO (S'51-A'52-M'57), Electronics Engr., Communications Dept., Ft. Monmouth, N.J.
 BLUMBERG, DANIEL (A'51-M'57), Electronics Engr., ARDE Associates, 75 Austin St., Newark 2, N. J.
 BLUMBERG, MARTIN (A'47-M'47), Engrg. Specialist, Electronic Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.
- BOX 205, Mountain View, Calif, BLUMBERG, MARVIN (M'56), Radio Engr., A.D. Ring & Associates, 1032 Pennsylvania Bldg., Washington 4, D.C. BLUMBERG, MELVIN (A'59), Acquisition Technician, C Sta., U. S, Army, White Sands Signal Agency, White Sands Missile Range, N. M.
- BLUMBERG, NORMAN (S'55-M'57), Design Engr., No. Amer. Aviation, Internatl. Airport, Los Angeles, Calif. BLUMBERG, WALTER J. (S'49-A'50-M'58), Project Engr., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va.
- Melpar, Inc., 3000 Arington Blvd., Falls Church, va. BLUME, ALAN E. (SM'56), Microwave Engr., Genl. Engrg. Lab., GE Co., Schenectady, N.Y. SLUME, RICHARD J. (S'56-A'56), Physicist, IBM, Watson Lab., 612 W. 115 St., New York 25, N.Y. BLUMENBERG, ALEXANDER (A'53-M'58), District Mgr., Internatl. Rectifier Corp., 1799 Coolidge Hwy., Berkley, Mich.

- BLUMENFELD, ARTHUR (M'59), Assoc. Staff Mem., Genl. Precision Labs., Pleasantville, N.Y. BLUMEMSTEIN, OTTO J. (S'52-A'55-M'58), Engr., Martin Co., Orlando, Fla.
- BLUMENSTEIN, WILLIAM C. (M'55), Design Engr., RCA,
- BLUMENSTOCK, ALEXANDER (A'53-M'56), Project Engr., Magnetic Amplifiers, Inc., 632 Tinton Ave., New York 55,
- BLUMENSTOCK, NORMAN R. (S'48-A'49-M'55), Projects Mgr., Gyro Engrg., Reeves Instrument Corp., Garden City, L.I., N.Y.
- L.I., N.Y.
 BLUMENTHAL, EDWIN I. (S'48-A'49-M'55), Dir., Prod.
 Planning, Remington Rand Univac, 19 & Alfegheny Ave.,
 Philadelphia 29, Pa.
 BLUMENTHAL, HARRY W. (S'54-M'55), Elec. Engr., Westinghouse Elec. Corp., Bloomfield, N.J.
- Ingnouse Etec. Corp., Bloomfield, N.J.
 BLUMENTHAL, IRWIN S. (S'44-A'52-M'57), Research Engr.,
 The Rand Corp., Santa Monica, Calif.
 BLUMENTHAL, LEONARD J. (S'48-A'49-M'55), Staff Reliability Engr., Goodyear Aircraft Corp., 1210 Massillon
 Rd., Akron 15, Ohio.
- BLUMENTHAL, STANLEY P. (A'57), Application Engr., Lab. for Electronics, Inc., 141 Malden St., Boston, Mass.
 BLUMKIN, RUBIN (A'50-M'5B), Dept. Head, Olympic Radio & Television, 34-01 38 Ave., Long Island City 1, N.Y.
 BLUST, CHARLES D. (A'52-M'58), Assoc. Engr., IBM, Poughkeepsie, N.Y.
- BLUST, CHARLES D. (A'52-M'58), Assoc. Engr., IBM, Poughkeepsie, N.Y.
 BLUTMAN, ELI (A'46-SM'52), Staff Mem., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
 BLUZAT, CLAUDE R. (A'51), Owner, Rene Bluzat Co., 6322 N. Milwaukee Ave., Chicago 46, Itl.
 BLY, SHELBY W. (S'5/-M'59), Electronics Engr., Librascope, Inc., 808 Western Ave., Giendale, Calif.
 BLY, THEUORE S. (S'54-M'56), Lt. Cmdr., USN, Office of Naval Research, Navy Dept., Washington 25, D.C.
 BLYE, PAUL W. (SM'52), Dir., Systems Engrg., Bell Tel. Labs., Murray Hill, N.J.
 BLYLER, JOHN B. (S'56-M'57), Research & Dev., Martin Co., Box 179, Denver, Colo.
 BLYMILLER, ARTHUR L. (A'55), Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.
 BLYTH, GERALD S. (A'51), Electronics Dept., H.M.C. Dockyard, Esquimalt, B.C., Canada.
 BLYTH, ROLAND A. (S'57-M'59), Engr., Systems Sect., Cook Research Labs., Cook Technological Center, Morton Grove, Ill.

- BLYTHE, RICHARD (M'45), Research Physicist, Willow Run Labs., Univ. of Michigan, Ypsilanti, Mich. BOAK, IRWIN S. (M'59), Asst. Prof., Physics, Univ. of Hartford, Hartford, Conn.
- BOAKES, WILLIAM H. (S'56-M'59), Lt. USN, Naval Ship Repair Facility, Subic Bay, Philippine Islands. BOANDL, JOSEPH S. (S'51-A'53-A'957), Electronics Engr., Bendix Aviation Corp., 11600 Sherman Way, North Holly-wood, Calif.

- wood, Jail.

 BOARD, CORNELIUS Z. (A'54), Asst. Prof., Electronics Div., Arizona State Univ., Tempe, Ariz.

 BOARDMAN, EMERSON (A'58), Store & Mail Order Mgr., Metropolitan Electronic Distributors, Inc., 113 S. Beatty St., Pittsburgh 6, Pa.

 BOARDMAN, HOWARD B. (S'54-M'57), Elec. Engr., RCA, Moorestown, N.J.
- MOUNTAIN TABLES L. (S'56-M'59), Operational Asst., The Mountain States Telephone & Telegraph Co., 941 14 St., Denver 1, Colo.
- BOARIO, WILLIAM R. (A'43-SM'58), Chief, Terminal Guid-ance Sect., Weapons Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Center, Wright-ratters and ArD, Unio.

 BOAST, WARREN B. (M'56), Head Dept., Elec. Engrg., Iowa College, Ames, Iowa.

 BOAT, ROBERT M. (M'56), Sr. Electronics Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 BOATE, JOHN G. H. (S'57-A'58), Electronics Tester "A", Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MIATENINE WILLIAM K. (M'55), Day Large Wosten.

- Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BUATENRELIPER, WILLIAM K. (M'5B), Dev. Engr., Western
 Electric Co., Burlington, N.C.
 BUATMAN, LESTLER R. (S'54-M'59), Jr. Engr., Genl. Mills,
 Inc., 2003 E. Hennepin, Minneapolis, Minn.
 BUATRIGHT, A.W. (S'57-M'59), 3600 Shelby Dr., Ft.
 Worth, Tex.
 BOATRIGHT, BURTON C. (M'54), Lt. Col., U.S. Army, Infantry Advisor, U.S. Army Mission, Erzurum, Turkey.
 BUATWRIGHT, FREDERICK V. (S'55-M'58), Communications
 Engr., Southwestern Public Service Co., Box 1261, Amarillo,
 Tex.
- &DOATWRIGHT, JAMES H. (S'53-M'56), Engr., Mfg. Research & Dev. Dept., Western Electric Co., Lexington Rd., Winston-Salem, N.C.
- BOATWRIGHT, LEWELLYN T., JR. (S'47-A'48-M'55), Lt. Col., USAF Chief, Radiac Instrumentation Branch, SWRB, Air Force Special Weapons Center, Kirtland AFB, Albuquerque,

- BOBAK, EDWARD T. (A'56), Staff Asst., Long Range Plan-ning, Raytheon Mfg. Co., Waltham 54, Mass. BOBB, LLOYD J. (M'48), Group Engr., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.
- BOBBER, ROBERT J. (A'55-M'5B), Head Research Div., USN Underwater Sound Reference Lab., Box 8337, Orlando, Fla.

- Fla.

 BOBBITT, JDHN T. (M'57), Elec. Engr., General Geophysical Co., 2802 Post Oak Rd., Houston, Tex.

 BOBECK, ANDREW H. (S'4B-A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BOBER, EUGENIA K. (S'49-A'50-M'58), Engr., Michigan Bell Tel. Co., 1365 Cass, Detroit 26, Mich.

 BOBORICKEN, STEPHEN (S'52-A'54), Engr., Litton Industries, 963 Industrial Rd., San Carlos, Calif.

 BOBROW, EDWIN M. (M'46), Staff Mem., Research Div., Raytheon Mfg., Co., Waltham, Mass.

 BUBROW, EDWIN N. (A'47-M'55), Mem. Tech. Staff, Ramo-Woolridge Corp., 5500 W. ElSegundo Blvd., Los Angeles 45, Calif.

- BDBYN, EDWARD J. (M¹55), Supt. Systems Wing, CARDE, Box 1427, Ouebec, P.Q., Canada. BOCAST, DONALD R. (S¹43-A¹48-M¹55-SM¹59), Dir., Loyola Labs., Box 90074, Airport Sta., Los Angeles 45, Calif.
- BOCCHIERI, ALBERT J. (A'49), TV Engr., Color Standards Dev. Lab., Westinghouse Elec. Corp., Rte. 27, Metuchen, N.J.
- N.J.

 BOCCHIO, THEODORE R. R. (A'54), Sr. Engr., Preliminary
 Design, Solar Aircraft Co., Pacific Hwy, San Diego, Calif.

 BOCHAROFF, GEORGE M. (A'36-VA'39-M'55), Engr., Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mt. Vernon,
 N.Y.
- BOCHEM, HOWARD P. (M'57), Sr. Field Rep., GE Co., Syracuse, N. Y
- Syracuse, N.Y.
 BOCHET, FRANK J. (A'50-M'58), Exec. Engr., ITT Labs.,
 Nutley 10, N. J.
 BUCK, ARNOLD W. (A'44), Chief Engr., WADC, 40 E. Mill
 St., Akron 8, Ohio.
- St., Akron 8, Ohio.
 BUCK, DIMAR H. (M'5B), Assoc. Electronics Engr., Cornell Aeronautical Lab., 4455 Genesec St., Buffalo 21, N.Y.
 BUCK, ERNSI I. (A'45-M'52), Consulting Radio Physicist, 16814 Liggett St., Sepulveda, Calif
 BOCK, ERWIN D. (S'53-A'54), Sr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 BUCK, JAMES J. (M'59), Systems Integration Engr., RCA, Camden, N.J.
- BOCK, MARTIN (S'55-M'57), Electronics Engr., Norden Div. United Aircraft Corp., 121 Westmoreland Ave., White Plains, N.Y.

- United Aircraft Corp., 121 Westmoreland Ave., White Plains N.Y.

 BOCK, MARVIN J. (M'57), Sr. Dev. Engr., Raytheon Mfg. Co., Box 636, Sarta Barbara, Calif.

 BOCKENSTEDT, PAUL J. (A'52-M'58), Mfrs'. Rep., Paul J. Bockenstedt & Associates, Box 175, Dayton 24, Ohio.
 BOCKSTIEGEL, ROBERT B. (S'50-A'51-M'56), Supvr., GE Co., Syracuse, N.Y.
 BOCKWOLDT, WALTER H. (A'54-M'58), Mem. Tech. Staff, Research & Dev. Labs., Hughes Aircraft Co., Culver City, Calif.

 BODAKY, ALEXANDER J. (S'58-A-58), Electronics Technician, Bulova Watch Co., Woodside, L.I., N.Y.
 BODDEN, AUSTIN L., JR. (A'54), Elec. Engr., The Texas Co., Box 425, Bellaire, Tex.
 BOC, DONALD E. (SM'56), Physicist, Santa Barbara Research Center, Goleta, Calif.
 BODE, GEORGE F. (A'53-M'58), V.P., Potomac Valley Electronics, Inc., 5136 MacArthur Blvd., Washington 16, D.C.
 BODE, HENDRIK W. (M'41-SM'43-F'52), V.P., Bell Tel.

- BODE, HENDRIK W. (M'41-SM'43-F'52), V.P., Bell Tel. Labs., Whippany, N.J. BODE, MIGUEL C. (A'53), Asst. Engr., Telemundo S.A., 23 yP, Habana, Cuba. BODEEN GERD S. (S'48-A'52-SM'57), Asst. Dir., Columbia Univ. Electronics Research Labs., 632 W. 125 St., New York 27, N. Y.

- Columbia Univ. Electronics Research Labs., 632 W. 125 St., New York 27, N.Y.

 BODEN, EVAN H. (A'50-M'54-SM'55), Research & Design Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 BODEN, ROBERT C. (M'57), Dev. Engr., Military Prods. Div., IBM, Kingston, N.Y.

 BODEN, THOMAS W. (M'58), Sr. Microwave Engr., Applied Electronics Labs., GE Co., Browns Lane, Coventry, Warwick., England.

 BODENBURG, JOHN F. (SM'58), Tech. Dir., U. S. Naval Training Devices Center, Port Washington, L.I., N.Y.

 BODENHAMER, ROBERT B. (M'57), Lt. Cmdr., USN, U. S. Naval Security Group, Hors. Activity, 3801 Nebraska Ave., N.W., Washington 25, D.C.

 BODENSTEIN, JOSEF (S'53-A'53-M'59), Project Engr., C. E. Mauk & Van Sickle, Consulting Engrs., 704 S. Spring, Los Angeles 14, Calif.

 BODENSTEIN, JOSEF (Calif. BODE), Pierre M. (M'56), Dir., Etudes Electroniques,
- BODEZ, PIERRE M. (M'56), Dir., Etudes Electroniques, Precision Mechanique Lab., 1 rue de Clichy, St. Ouen, Seine, France.
 BODILY, LA THARE N. (S'55-M'57), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 BODIN, BRUCE H. (S'56-A'57), TechRep., Martin Co., Baltimore 3, Md.

- Battimore 3, Md.
 BODIN, MILTON (A'52-M'59), Consulting Engr., Bodin-Zinn, 174 5 Ave., New York 10, N.Y.
 BODMER, MAX G. (M'52), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 BODNAR, JOSEPH M. (M'57), Designer, Douglas Aircraft Co., Patrick AFB, Fla.
- Co., Patrick AFB, Fla.

 BODNAR, LEO L. (M'57), Fleld Engr., RCA Service Co., Camden, N. J. at CNARESTRA, Box 1, NAS, Glenview, III.

 BODOH, A. G. (SM'56), Chief Engr., Music Systems, The Seeburg Corp., 1510 N. Dayton St., Chicago 22, III.

 BODOW, JOSEPH (S'48-A'50-M'55), Engr., American Time Prods., Inc., 580 5 Ave., New York 19, N.Y.

 BOY, HOWARD T. (4'7-M'58-SM'59), VP. & Genl.

 Mgr., Siemens Edison, Canada, Ltd., 419 Notre Dame Ave., Winnepeg, Man., Canada.

 BOE, DONALD P. (M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BOE, ROBERT E. (S'6-A'58), Technician, Hazalting Rep.

- Co., Culver City, Calif.

 BOE, ROBERT E. (S'56-A'58), Technician, Hazeltine Research, Inc., 5445 W. Diversey, Chicago 39, III.

 BOEBEL, LYLE A. (S'56-A'58), Sr. Lab. Asst., Collins Radio Co., Cedar Rapids, Jowa.

 BOECKER, ALEXANDER (S'48-A'50-M'55), Engr., Air-
- borne Instrument Lab., Mineola, L.I., N.Y

- BOECKMAN, JOSEPH F. (A'52-M'57), Mgr., Mfg. Engrg., GE Co., Box 1400, Anniston, Ala.
 BOEDEKER, HAROLD F. (351-M'56), Fleld Engr., Lear, Inc., 21 Ottawa, N. W., Grand Rapids 2, Mich.
 BOEDICKER, DAVID J. (M'56), Mathematical Programmer,
- BOEDICKER, JOHNS J. (M.) 507, Madacinatical Frogrammer IBM, Owego, N.Y. BOEDY, DONALD D. (S'50-A'52-M'57), Instrumentation Operations Engr., McDonnell Aircraft Corp., Box 105B, Holloman AFB, N.M.

- Holloman AFB, N.M.
 BOEHLY, MICHAELA. (A'56), Engrg. Alde, Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
 BOEHM, ARTHUR R., JR. (M'56), Genl. Foreman, Instrumentation Lab., Pratt & Whitney Aircraft, 400 Main St., East Hartford, Conn.
 BOEHM, GERHARD W. (A'56). Mgr., Midwest Sales, Military Prods. Div., American Standard, Teterboro, N.J.
 BOEHM, PAUL P. (A'52-M'58), Design Engr., RCA, Canden, N.J.
- Camden, N.J.

 BUEHM, WILLIAM R. (S'44-A'48-SM'55), Design Supt.,
 Norfolk Naval Shipyard, Portsmouth, Va.

 BOEHME ALBERT W. (S'57-M'5B), Designer, Olsen &
 Evans Consulting Engris, Inc., RR 2, W. Beltline &
 Gammon Rd., Madison 5, Wis.
- BOEHME, ROBERT M. (M'56), Engr., Datamatic Div., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton 61, Mass.
- Newton 61, Mass.
 BOEHMER, HOWARD W. (M'46-SM'52), Mgr., Computing & Controls Dept., Hughes Aircraft Co., Culver City, Calif.
 BOEHNKER, CHARLES H. (A'59), Research Assoc., Ohlo State Univ., Columbus, Ohlo.
 BOEKELHEIDE, ARLYN W. (S'49-A'53-M'57), Mem.
 Tech. Staff, Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.
 BOELENS, LAMES (AI53), Electrolice Foor.
- BOELENS, JAMES (A'53), Electronics Engr., Convair, San Diego, Calif.
- BOELKE, GILBERT L. (S'5B-M'59), Electronics Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.

- Sylvania Elec. Prods., Inc., 1700 Wehrle Dr., Buffalo 21, N.Y.

 BOELMAN, PETRUS M. (A'57), Tech. Officer One, Nat'l. Research Council, Sussex Dr., Ottawa, Ont., Canada. BOENECKE, CHARLES A. (M'51), Pres., Boenecke Associates, 5505 Westfield Ave., Pennsauken, N.J.

 BOENNIGHAUSEN, RICHARD A. (S'55-M'56), Assoc. Engr., 18M, 99 Notro Dame, San Jose 12, Calif. BOENNING, CHARLES B. (M'51-SM'5B), Sect. Mgr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md. BOENNING, WILLIAM R. (M'5B), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 BOENSEL, DONALD W. (S'52-M'5B), Mem. Tech. Staff, Space Electronics Coro., 1200 Airway, Glendale, Calif. BOER, FAUL E. (A'57), Owner, Boer Electronics Co., B15 Walnut St., Red Bluff, Calif. BOERNER, THOMAS J. (A'26-SM'46), Engrg. Dept., RCA, Canden, N.J.

 BOERNER, WALTER K. (A'56), Design Technician, Canadian Curtiss-Wright, David Rd., Oakville, Ont., Canadia.

 BOERS, JACK E. (S'56-M'59), Electron Physics Lab., Illin V of Miller Laber.

- Canadian Curtiss-Wright, David Rd., Oakville, Ont., Canada.

 BOERS, JACK E. (S'56-M'59), Electron Physics Lab., Univ. of Michigan Research Institute, Ann Arbor, Mich. BOERSMA, JAN (A'56), Oev. Dept., Isotope Prods., Ltd., Davis Rd., Oakville, Ont., Canada.

 BOESCH, ARTHUR H. (A'53), Pros.—Treas., Boesch Mfg. Co., Inc., 45 River St., Danbury, Conn.

 BOESCH, FRANCIS T. (S'57-M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BOESCH, PHILIP W. (A'54), Physicist, Diamond Ordnance Fuze Lab., Washington 25, D.C.

 BOESDORFER, CLARENCE L. (S'56-A'57), Equipment Maint. Man., AT&T Co., 422 S. 5 St., Springfield, Ill. BOESE, WILLIAM C. (S'40-A'40-SM'46), Asst. Chief Engr., Tech. Research Div., FAA, Washington 25, D.C.

 BOESON, GOERGE F. (S'4B-A'50-M'55), Head, Research & Dev. Oept., J. P. Seeburg Corp., 1510 N. Dayton St., Chiego 22, Ill.

 BOETTCHER, BYRON K. (M'56), Mgr., Oayton Office, Average Mains And Control of the Corp. Average Corp., 2000 Corp.
- Chicago ZZ, III.

 BOETTCHER, BYRON K. (M'56), Mgr., Oayton Office, Avco Mfg. Corp., 379 W. 1st St., Dayton Z, Ohlo.
 BOETTCHER, GORDON E. (S'53-A'54), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.
 BOFFI, LUIZ V. (M'5B), Assoc. Prof., Instituto Technologico da Aeronauticas, C.T. A., Sao Jose dos Campos, Brazil.

- Brazil.

 BOGAN, STEPHEN C. (S'49-M'56), Project Engr., M B M/g. Co., Whalley & Fitch St., New Haven, Conn.

 BOGAN, JOSEPH E. (M'57), Sr. Physicist, Haller, Raymond & Brown, Inc., State College, Pa.

 BOGARD, JAMES R. (S'55-M'56), Instrumentation Engr., Martin Co., Orlando, Fla.

 BOGART, PAUL M. (S'49-A'50-M'55), Supvr., Quality Control, Sylvania Elec. Prods., Inc., Burlington, Iowa.

 BOGART, ROBERT M. (A'47-M'55), Electronics Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 BOGAS, JOSEPH (A'57), Electronics Engr., Technician, Warner & Swasey, 5701 Camegie Ave., Cleveland 3, Ohio.
- BOGDANOFF, ANATOLY G. (\$'4B-A'50-M'55), Electronics Engr., Radiation Lab., Univ. of California, Livermore, Calif.
- Calif.

 BOGDAN, ALBERT (M'5B), Assoc. Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.

 BOGGESS, JAMES W. (A'57), Engrg. Service Rep., RCA,
 Defense Electronics Prods., Camden, N.J.

 BOGGESS, ROBERT L. (M'56), Project Engr., Engrg. Research institute, Univ. of Michigan, Ann Arbor, Mich.

 BOGGS, CHESTER A. (A'49-M'52-SM'52), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.

 BOCCS, CALLE, MUS2), Asst. Div., Research, Page Com-
- BOGGS, GAIL E. (M'52), Asst. Dir., Research, Page Communications Engineers, Inc., 710 14 St., N.W., Washington 5, D.C.
- ington 5, D.C.
 BOGGS, WARREN G. (S'55-M'57), Test Methods Raytheon
 Mfg. Co., Vance Tank Rd., Bristol, Tenn.
 BOGHOSIAN, WILLIAM H. (M'44), Pref., Elec. Engrg.,
 Assoc. Dir., Institute for Cooperative Research, Univ. of
 Pennsylvania, 200 S. 33 St., Philadelphia 4, Pa.
- BOGHOSSIAN, ALEX B. (S'56-M'5B), Instr., Engrg. College, Baghad, Irac. BOGLEY, PRESTON C. (M'5B), Electronics Engr., Philoo Corp., Palo Alto, Calif.

- BOGNER, BRUCE F. (M'56), Sect. Head, Electronics Dept., Genl. Bronze Corp., 711 Stewart Ave., Garden City, L.I., N.Y.
- N.Y.
 BOGNER, IRVING (M'54-SM'5B), Sr. Electronics Engr.,
 Electronic Associates, Inc., Long Branch, N.J.
 BOGNER, RICHARD D. (S'50-A'51-M'54), Dept. Head, G.
 B. Electronics Corp., Valley Stream, L.I., N.Y.
 BOGORA, GORDON F. (S'53-A'55-M'56), Customer Service Engr., Radio Valve Co., Ltd., 189 Dufferin St.,
 Toronto, Ont., Canada.
- Toronto, Ont., Canada.

 BOGOSSIAN, ZAVEN (S'4B-A'49-M'55), Sales Engr., SBM
 Associates, Inc., 9 Highland Ave., Albany 5, N.Y.

 BOGOSTA, WILLIAM (A'57-M'5B), Supvr., Technical
 Publications, Tech. Prods, Operation, CPD, Industrial
 Electronics Div., GE Co., Syracuse, N.Y.
- BOGUE, PETER N. (S'57-M'5B), Electronics Scientist, Missile Systems, U.S. Naval Ordnance Lab., Corona, Calif.
- BOGREES, GEORGE T. (M'5B), Capt., USAF, Instr., Physics Air Force Institute of Technology, Wright-Patter-son AFB, Ohio.
- BOGS, CHARLES W. (S'56-A'5B), Asst. Research Geo-physicist, Humble Oil & Refining Co., Box 21BO, Houston, Tex.
- BOGSTAD, FINN O. (S'55-M'55), Telecommunications Officer, RCAF, Clinton, Ont., Canada. BOGUE, HOWARD B. (A'44), Owner & Chief Engr., Legion Electronic Engrg. Service, 10557 Magnolla Ave., Arling-ton, Calif.

- ton, Calif.

 BOGUSH, ALFRED J., JR. (A'57), 2nd Lt., U.S. Army Signal Corps., Ft. Lewis, Wash.

 BOGUSLAWSKI, HENRY A. (A'51-SM'52), V.P., Rocke Internati. Corp., 13 E. 40 St., New York 16, N.Y.

 BOGUSZ, JOHN F. (S'50-A'51-M'56), Project Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa. BOHAN, JOHN L. (S'58-M'59), Applications Engr., AM Receivers, Semi Conductor Div., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

- DUM DILL, VAIIBS 21, 1eX.
 BOHANNAN, BILLY J. (S'56-M'5B), Test Engr., Convair, Ft. Worth, Tex.
 BOHANNAN, ROBERT C. (M'57), V.P., Research, Jaeger Machine Co., Columbus, Ohio.
 BOHANSKE, THOMAS A. (S'4B-A'50-M'55), Elec.
 Supvr., Nagara Mohawk Power Corp., Railroad Ramp, Amsterdam, N.Y.

- sterdam, N.Y.
 BOHAR, JOSEPH (M'5B), Dev. Engr., Thompson Prods.,
 Inc., Cleveland, Ohio.
 BOHAY, JACK A. (S'54-M'57), Design Engr., Canadian
 Westinghouse Co., Ltd., Hamilton, Ont., Canada.
 BOHL, LESTER H., JR. (S'51-A'52-M'56), Project Engr.,
 Melbar, Inc., 3000 Arlington Bivd., Falis Church, Va.

- Westinghouse Co., Ltd., Hamilton, Ont., Canada.
 BOHL, LESTER H., JR. (S'51-A'52-M'56), Project Engr.,
 Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va.
 BOHL, RICHARD J. (S'56-M'57), Research Engr., Rocketdyne, 6633 Canoga Ave., Canoga Park, Calif.
 BOHLKE, PAUL G. (M'47-SM'52), Head, Microwave Tube
 Engrg., Electron Tube Div., Hughes Prods., Internatl. Airport Sta., Los Angeles 45, Calif.
 BOHN, ALLAN L. (A'41-M'55), Engrg. Supvr., Boeing
 Airplane Co., Seattle, Wash.
 BOHN, ERIK V. (A'54), Asst. Prof., Oept. of Elec. Engrg.,
 Univ. of British Columbia, Vancouver, B. C., Canada.
 BOHN, J. LLOYD (SM'57), Prof., Physics; Chmn. of Dept.,
 Temple Univ., Philadelphia 22, Pa.
 BOHN, JOHN T. (M'55), Dir., Communications & Electronics,
 Bangor Air Oefense Sector, Brunswick, Me.
 BOHN, RICHARD (A'5B), V.P., Ad. Auriema, Inc., B5
 Broad St., New York 4, N.Y.
 BOHNERT, JOHN I. (M'45-SM'57), Audio-Acoustic, High
 Fidelity Consultant, 550 5 Ave., New York 36, N.Y.
 BOHNERT, JOHN I. (M'46-SM'57), Supt., Electronics
 Div., U. S. Naval Research Lab., Washington 25, D.C.
 BOHNING, JAY R. (S'56-M'59), 100 Franklin St., Morristown, N.J.
 BOHNSTEDT, CHARLES E. (S'50-A'51-M'5B), Design
 Engr., Westinghouse Elec., Com., Metuchen, N.J.
 BOHREN, ARNOLD K., GM'46, Oir., Electro-Mech. Dev.,
 Bell Tel., Labs., Whippany, N.J.
 BOILARD, DENNIS I. (S'58-M'59), Engr., Varian Associates, 6.11 Hansen Way, Palo Alto, Calif.
 BOILEAD, OLIVER C., JR. (S'49-A'51-M'56), Unit Chief,
 Boeing Alrolane Co., Seattle, Wash.
 BOILEN, IRVING (A'45-M'55), 1 Tiffany PI., Brooklyn 31,
 N.Y.
 BON, KARL L., (S'57-M'59), 2nd LL., USAR, Hers.
 USASRDL, Fit. Monmouth, N.J.

- N.Y.

 BOIN, KARL L. (S'57-M'59), 2nd Lt., USAR, Hgrs.
 USASRDL, Ft. Monmouth, N.J.

 BOIRE, PAUL C. (S'46-A'50-M'58), Chief Engr., Measurement Engr., Ltd., 232 John St., Amprior, Ont., Canada.

 BOISE, EVERETT B. (A'48), Mgr., Application Engro.
 Lab., CBS-Hytron, 100 Endicott St., Danvers, Mass.
 BOISVERT, GEORGE R. (M'57), Elec. Engr., Bristol Co.,
 Waterbury 20, Conn.
- Waterbury 20, Conn.

 BOISVERT, MAURICE (S'47-A'49-M'54), Prof., Laval Univ., Blvd. De L'Entente, Quebec, P. Q., Canada.

 BOIVIN, PAUL B., JR. (A'55-M'59), Receiving Tube Applications Engre, RCA, Harrison, N.J.

 BOK, RICHARD F. (S'57-A'5B), Field Engr., NMCU Electronics Coro., 74 Park Ave., Rochester, N.Y.

 BOKER, DONALD O. (S'58-A'5B), Asst. Technician, Defense Research Bd., Ottawa, Ont., Canada.

 BOKSENBABUM, EDMUND (M'55), Chief Engr., American Eastern Electronic Co., Ltd., Rishon-Lzion, Box 66, Israel.

- Israel.

 BOLAKAS, JOHN A. (M'5B), Sr. Elec. Engr., Allen B. Du Mont Labs., 750 Bloomfield Ave., Clifton, N.J.

 BOLAND, C. E. (A'43), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 BOLAND, CARL D., JR. (S'53-A'55-M'55), Mktg. Administrator, Communication Div., Hughes Aircraft Co., Box 90902, Los Angeles 45, Calif.

 BOLAND, ElMAR J. (SM'53). Pres... Standard Electroman-
- 90902, Los Angeles 45, Calif.
 BOLAND, EINAR J. (8M153), Pres., Standard Electromagnetics. Inc., 43 S. Carroll St., Frederick, Md.
 BOLAND, JOHN N. (J'31-A'34-VA'39-M'55), 209 E.
 Broad St., Falls Church, Va.
 BOLAND, LAWRENCE J. (M'59), Assoc. Engr., IBM, Depublicancia N. V.

- Poughkeepsie, N.Y.
 BOLANOER, PAUL E. (M'5B), Oev. Engr., Instrumentation,
 Aerojet Genl. Corp., Nimbus, Calif.
 BOLAY, CLOVIS E. (A'53), Communication Engr., TwoWay Radio Communication Co., 921 N.W. 4 St., Oklahoma City 6, Okla.

- BOLDEN, EDGAR L. (M'59), Reliability & Measurements Engr., RCA, Camden, N.J. ROLDRIDGE, AUSTIN G., JR. (M'56), Project Engr., Allen B. Du Mont Labs., Inc., 35 Market St., East Paterson, N.J.
- Paterson, N.J.

 BOLENBAUGH, J. EDWARD (S'50-A'52-M'57), Design
 Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.
- BOLENBAUGH, ROY K. (A'44-M'45), Engrg. V.P., F Transformer Co., 3B20 Colerain Ave., Cincinnati 23 Ohio.

- Transformer Co., 3B2O Colerain Ave., Cincinnati 23, Ohio.

 BOLES, SOL (A'51-M'56), Staff Mem., Genl. Precision Lab., Inc., Pleasantville N.Y.

 BOLEZ, EDWARD C. (A'49), Owner, Bolez Recording Lab., 23B Hamilton St., Allentown, Pa.

 BOLGIANO, LOUIS P., JR. (M'56), Asst. Prof., Dept. of Elec. Engrg., Univ. of Delaware, Newark, Del.

 BOLGIANO, RALPH, JR. (A'52-M'57), Assoc. Prof., School of Elec. Engrg., Cornell Univ., Ithaca, N.Y.

 BOLICK, HUBERT H., JR. (G'56-M'57), Elec. Engrg., Wight Air Development Center, Wright-Patterson AFB, Ohio.

 BOLIE, VICTOR W. (M'54), Assoc. Prof., Elec. Engrg., lowa State College, Ames, Iowa.

 BOLINDER, E. FOLKE (A'50-M'55-SM'59), Physicist, AF Cambridge Research Center, Electronics Research Directorate, Electromagnetic Radiation Lab., Bedford, Mass.

 BOLING, HOWARD E. (S'4B-A'50), Research Physicist, Hughes Aircraft Co., Culver City, Calif.

 BOLINGER, NORMAN C. (A'54), Test Engr., Rocketdyne Corp., Neosbo, Mo..

 BOLL, KURT E. (S'5B-A'5B), Technician, Univ. of Toronto, Ont., Canada.

 BOLLAND, PAUL E. (A'59), 624-B Prefab, China Lake, Calif.

- BOLLAND, PAUL E. (A'59), 624-B Prefab, China Lake,

- Calif.

 BOLLARI, LEO (S'50-A'51), Engr., Norden Labs., 121
 Westmoreland Ave., White Plains, N.Y.
 BOLLE, DONALD M. (S'56-M'57), Instr., Purdue Univ.,
 West Lafayette, Ind.
 BOLLER, ROBERT, JR. (M'59), Engr., Continental Electronics Mfg. Co., 4212 S. Buckner Blvd., Dallas, Tex.
 BOLLIER, JOHN (A'5B), Radlo Engr., United Airlines, Internati. Airport, South San Francisco, Calif.
 BOLLING, GLEN D. (S'5B-M'59), Jr. Elec. Engr., Engr's Office, City of Detroit, 52B City-County Bidg., Detroit 9, Mich.

- Mich.

 BOLLINGER, W. PEARSON (SM'57), Chief Projects Mgr., RCA, Moorestown, N.J.

 BOLLJAHN, JOHN T. (A'43-SM'53), Exec. V.P., Granger Associates, 966 Commercial St., Palo Alto, Calif.

 BOLLMAN, JOHN H. (M'42-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Whilopany, N.J.

 BOLLUM, CARL W., SR. (SM'57), Pres. & Chmn., Bd. of Directors, Spacetronics, Inc., 10 2B Connecticut Ave., N.W., Washington 6, D.C.

 BOLMGREN, LESTER N. (S'52-M'56), Design Engr., Minneapolis B, Minn.
- BOLNICK, FRANKLIN I. (A'53-M'59), Lab. Mgr., Fair-child Camera & Instrument Co., 5 Aerial Way, Syosset, L.I., N.Y.
- BOLOGOVSKY, GEORGE (S'56-M'57), Elec. Engr., The Port of New York Authority, 111 B Ave., New York 11, N.Y.
- BOLSER, FRANK C. (SM'59), 904 Madison Lane, Falls Church, Va.
- BOLSEY, EMIL J. (A'49), Sr. Project Engr., J. A. Maurer, Inc., 37-01 31 St., Long Island City 1, N.Y. BOLSTER, MORRIS F. (M'57), Engr., Microwaves, GE Co., Schenectady, N.Y.

- Co., Schenectady, N.Y.

 BOLSTRIOGE, LESLIE J. (A'52-M'57), Lt. Col., Communications Electronics USAF, Dir., 6900th Security Wing, USAF, APO 757, New York, N.Y.

 BOLT, ARTHUR T., JR. (A'55), Engr. II, Avco Mfg. Co., Crosley Div., 1329 Arlington St., Cincinnati 25, Ohio.

 BOLT, CONWAY A. (A'53-M'5B), Microwave Design Engr., Westinghouse Elec. Corp., Box 1B97, Baltimore 3, Md.

 BOLT, RICHARD H. (M'53-SM'53), Prof., Acoustics, MIT, Chmn., Board of Directors, Bolt Beranek & Newman, Inc., 50 Moulton St., Cambridge, Mass.

 BOLTAN, MARTIN (S'53-A'54), Elec. Engr., RCA, Moorestown, N.J.

 BOLTON, ARTHUR (S'4B-A'50-M'5B), Research Assoc.,

- town, N.J.

 BOLTON, ARTHUR (S'4B-A'50-M'5B), Research Assoc.,
 New York Univ., University Hgts., New York 53, N.Y.

 BOLTON, GEORGE E. (A'54), Design Supvr., Surface
 Armament Div., Sperry Gyroscope Co., Great Neck, L.I.,
 N.Y.
- N.Y.
 BOLTON, MARQUIS W. (S'4B-A'50), Mem. Sr. Staff,
 Space Electronics Corp., 1200 Airway, Glendale, Calif.
 BOLTON, STANLEY W. (A'34-VA'39-M'56), Research
 Engr., Curtiss-Wright Corp., Qvehanna, Pa.
 BOLTON, WALLIS D. (S'49-A'51-M'56), Dir., Tech.
 Planning, DP Div., IBM, 112 E. Post Rd., White Plains,
 N.Y.

- N.Y.

 BOLIZ, HOWARD A. (M'45-SM'55), Supvr., Ford Car
 Elec. Oept., The Ford Motor Co., Box 2053 M.B. Sta.,
 Dearborn, Mich.

 BOLIZ, JAY H. (SM'57), Sect. Head, Publications Dept.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BOLUM, OONALD R. (S'54-A'54), Electronics Lab. Technician, Waldorf Electronics, Wolffill Rd., Huntington,
 L.I., N.Y.

 BOLUS

- INCIAN, WALDEN LICETONICS, WOMEN TECHNICARY, WOMEN LIN, N.Y.

 BOLUS, JOSEPH J. (M'57), Chief Engr., Technicraft Labs., Inc., Thomaston-Waterbury Rd., Thomaston, Conn.

 BOLZ, RICHARO A. (M'56), Dir., Research, Automation Dynamics Corp., 255 County Rd., Tenafly, N.J.

 BOLZ, ROGER W. (A'54-SM'5B), Editor, Automation, Penton Publishing Co., Penton Bidg., Cleveland 13, Ohio.

 BOMAN, WILLIAM T. (M'55), Systems Engr., McDonnell ACFT Corp., Box 516, St. Louis 17, Mo.

 BOMAR, RICHARD L. (M'59), Quality Control Engr., Convair, Ponioria, Calif.

 BOMBA, JAMCS S. (S'50-A'54), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BOMBERGER, DAVID C. (S'36-A'38-VA'39-M'55), Power Dev. Engr., Bell Tel. Labs., 463 West St., New York 14, N.Y.

 BOMEISLER, ROBERT E. (S'48-A'50-M'58), Mgr., Cus-
- BOMEISLER, ROBERT E. (S'4B-A'50-M'5B), Mgr., Cus-tomer Lialson, Servomechanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif.

- BONACCI, EDWARD L. (A'5B), Jr. Engr., Machlett Labs., Inc., Springdale, Conn.
 BONANNI, ORLANDO E. A. (S'53-A'54), Elec. Engr., RCA, Camden, N.J.

- RCA, Camden, N.J.

 BONANNO, JOSEPH L. (A'27-VA'39-SM'51), Chief Engr., The Lionel Corp., 2B Sager Pl., Irvington, N.J.

 BONANOMI, JACQUES A. (M'54), Physicist, Laboratoire suisse de Recherches horlogeres, Neuchatel, Switzerland.

 BONAPACE, HEITOR (M'48-SM'57), Col. Rad. Engr., Prof. of Antennas, Escola Tecnica Do Exercito, Praca Gen. Tiburcio, Rio de Janeiro, Brasil.

 BONAYENTURA, JOSEPH J. (S'57-A'5B), Engrg. Aide, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

- N.Y.

 BONAZZA, WALTER J. (S'47-A'49-M'56), Project Engr., ITT Labs., Nutley 10, N.J.

 BOND, CLYDE H. (A'37-M'39-SM'43), Consulting Radio Engr., Bond & Oakley, 651-L Oak Grove, Menlo Park, Calif.
- Calif.

 BOND, DONALD A. (S'57-A'5B), Engrg. Aide, Bulova Research & Development Labs., 62-10 Woodside Ave., Woodside 77, L.I., N.Y.

 BOND, DDNALD E. (S'57-M'59), Reynolds, Ga.

 BOND, DDNALD S. (SM'46-F'54), Mem. Tech. Staff, Weapons Systems Evaluation Group, Office of Sec'y of Defense, Pentagon, Washington 25, D.C.

 BOND, DOUGLAS W. (M'55), Quality Control Supvr., Special Div., Canadlan Marconi Co., 6035 Cote de Llesse Rd., Montreal P.Q., Canada.

 BOND, DEARL G. (A'54), Prod. Planner, GE Co., 316 E. 9 St., Owensboro, Ky.

 BOND, ENWARD E. (M'53-SM'56), Sr. Engr., Raytheon Mfg. Co., Wayland, Mass.

 BOND, FEDERICK E. (A'47-M'47-SM'55), Co-Head,

- Mfg. Co., Wayland, Mass.

 BOND, FREDERICK E. (A'7-M'47-SM'55), Co-Head, Communications Dept., Ramo-Wooldridge Corp., 5500 W. El Segundo Blud., Los Angeles, Calif.
 BOND, HOWARD A. (SM'57), Mgr., Electronic Systems Design, Electronic Systems Oept., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 BOND, JAMES F. (S'57-M'5B), Jr. Engr., Radiation, Inc., Box 37, Melbourne, Fla.

 BOND, M. LLOVD (A'40-M'45-SM'57), Plant Mgr., Avion Div., AGF Industries, BOO N. Pitt St., Alexandria, Va.

 BOND, MYRON E. (M'5B), Industrial Sales Mgr., Alfled Radio Corp., 100 N. Western Ave., Chicago BO, Jil.

 BOND, NORMAN T. (S'47-A'4B-M'55), Research Engr., Alcoa Research Labs., Aluminum Co. of America, Massena, N.Y.
- BOND, SAMUEL (S'4B-A'52-M'57), Project Engr., Canadian Arsenals, Ltd., Box 256, Sta. H., Toronto 13, Ont., Canada,
- Canada,
 BOND, WILLIAM (SM'50), Ministry of Supply, A.L. 4,
 Castlewood House, New Oxford St., London, England,
 BONDE, ROBERT L. (M'56), 6825 W. 23, Minneapolis
 26, Minn.
 BONDLEY, RALPH J. (SM'54), Electronics Engr., GE Co.,
 Schernectady, N.Y.
 BONDON, LEWIS A. (SM'51), Pres., Prodelin, Inc., 307
 Bergen Ave., Kearny, N.J.
 BONDURANT, JOHN E. (A'53-M'57), Suppvr., Geophysical
 Lab., Phillips Petroleum Co., 400 W. Frank Phillips
 Bivd., Bartlesville, Okla.
 BONDY, HUGO A. (A'29-VA'33), Chief Engr., WAGA TV-

- BIVD., Bartiesville, Okla.

 BONDY, HUGO A. (A'29-VA'39), Chief Engr., WAGA TV-AM-FM, Storer Broadcasting Co., 101B W. Peachtree St., Atlanta, Ga.

 BONDY, JOHN D. (A'42), Pres., Brenly Mfg. Co., Inc., 119-121 Cross St., Harrison, N.J.

 BONDY, MELVIN (S'49-A'50-M'55), Receiving Tube Dev. Engr., RCA, Harrison, N.J.

 BONDY, MICHAEL F. (S'43-A'47-M'55), Leader, RCA, Camden 2, N.J.

 BONDY, MORGAN A. (S'47-A'51-M'55-SM'59), Sr. Electronics Specialist, Temco Aircraft Corp., Box 6191, Dallas 2, Tex.

 BONE, SAM, JR. (S'57-M'59), 926 N. Tomillo, Landon, Sonder, S

- BONE, SAM, JR. (5'57-M'59), 926 N. Tornillo, Las Cruces, N. M.
- BONEBREAK, ROBERT L. (SM'55), Research Physicist, Hughes Aircraft Co., Los Angeles 45, Calif. BONEM, ERIC J. (S'47-A'50-M'58), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
- BONENN, ZEEV (A'51-M'56), Research, 39 Milton Rd., Cambridge, England. BONETTI, TITO (A'58), Engr., Vol. Asst. Radiotechnica, Univ. of Roma, Contraves Italiana, Via Tiburtina 965, Roma, Italy.
- BONEVAC, SAMUEL (S'56-M'58), System Test Engr., IBM, Poughkeepsie, N.Y.
- BONGHI, GIANCARLO (A'59), Staff Mem., SHAPE Air Defense Technical Center, Oude Waalsdorperweg 59, Den Haag, Netherlands.
- BONHAM, JESS F. (A'57), 433B Montalvo St., San Diego 7, Calif.
- 7, Calif.

 BONNAM, LEWIS L. (S'42-A'45-M'55), Sect. Head, Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va. BONHAM, RONALD E. (S'55-M'57), Electronics Scientist (GS-9), Naval Air Test Center, Flight Test Institute, Data Systems Sect., Patusent River, Md.

 BONICA, JOSEPH S. (S'52-A'53-M'58), Elec. Engr., Lab. for Electronics, 1081 Commonwealth Ave., Boston, Mass.

- Mass.

 BONIN, EDWARD L. (S'55-M'57), Assoc. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

 BONK, PETER J. (S'57-M'58), Jr. Engr., Lansdale Tube Co., Church Rd., Lansdale, Pa.

 BONN, THEODORE H. (S'43-A'45-SM'54), Engrp Dir., Components Dev. Oiv., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia 29, Pa.

 BONNE, ARTHUR W. (M'58), New York Telephone Co., 140 West St., New York 7, N.Y.

 BONNELL, OEAN W. (A'52-M'57), Sr. Engr., Smith-Corona, Research & Oewelopment Div., 472 Park Ave., Highland Park, III.

- Highland Park, III.

 BONNER, HAROLO W. (A'40-M'55), Owner, Bonner Equipment & Sales Co., 2105 Kearney St., El Cerrito, Calif.

 BONNER, JAMES R. (S'54-M'56), Instrumentation Engr., Vitro Corp. of America, Eglin AFB, Fla.

 BONNER, JOHN H. (S'57-M'59), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 BONNER, JUSEPH I. (M'55), Sr., Engr., Pyramid Electric Co., Orange St., Darlington, S.C.

BONNER, MICHAEL K. (S'4B-A'50-M'55), Pres., Technology Associates, 60 E. 42 St., New York 17, N.Y.
BONNER, PHILIP R. (M'5B), Sr., Design Engr., Electronics
Systems, No. Amer. Aviation, Los Angeles 45, Calif.

- 100 -

- Systems, No. Amer. Aviation, Los Angeles 45, Calif.
 BONNER, WILLIAM A., JR. (S'51-A'51-M'5B), IV Opera
 tions Engr., NBC, 30 Rodkefeller Plaza, New York, N.Y.
 BONNESS, QUENTIN L. (A'44-M'45), Mem. Iech. staft,
 The Ramo-Wooldridge Corp., Box 45534, Airport Sta.,
 Los Angeles 45, Calif.
 BONNETT, JOHN D. W. (A'50), Engrg. Technician, Northwest Telephone Co., 76B Seymour St., Vancouver, B.C.,
 Canada. IV Opera-

- Canada.

 BONNEVILLE, SYDNEY (A'38-SM'52), Staff Engr., Radio, Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal 1, P. Q., Canada.

 BONNEY, HERMAN W. (S'49-M'55), Sr. Engr., Radiation Research Corp., 1114 1st Ave., New York 21, N.Y.

 BONNEY, HERMAN W. (S'49-M'55), Sr. Engr., Radiation Research Corp., 1114 1st Ave., New York 21, N.Y.

 BONNEY, LLOYD A. (S'52-A'53-M'5B), Electronics Engr., RCA, 11B19 W. Olympic Blvd., Los Angeles, Calif.

 BDNNEY, ROBERT B. (A'41-M'44-SM'45), V. P., Electronic Engrg. Co. of California, 1601 E. Chestnut Ave., Santa Ana, Calif.

 BONNEY, All Mindre Co. of California, 1601 E. Chestnut Ave., Santa Ana, Calif.

 BONNY, MICHAEL S. (M'56), Staff Engr., Automatic Electric Internati., Inc., Northlake, Ill.

 BONRUD, LEON O. (S'49-A'52-M'5B), Physicist, Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 1, Minn.

 BONSE[GNFIR. PAUL J. (A'56), Mai. JISAE AFROTCO.

- BONSEIGNEUR, PAUL J. (A'56), Maj., USAF, AFROTC Det. 50, Stanford Univ., Stanford, Calif.
- CK, SYLVESTER N. (\$'50-A'51-M'56), Project Philco Corp., 47DD Wissahickon Ave., Philadelphia BONSHOCK
- ONWIT, KENNETH S. (S'50-A'52-M'5B), Sr. Engr., The Johns Hopkins Univ. Applied Physics Lab., Silver Spring, Md.
- Johns Hopkins Univ. Applied Physics Lab., Silver Spring, Md.

 BONWIT, STUART E. (A'5D-M'55), Electronics Engr., The Johns Hopkins Univ., Silver Spring, Md.

 BOUNER, CHARLES F., II, (A'59), Chiel Sales Engr., Birtcher Copp., 4371 Valley Blvd., Los Angeles 32, Calif. BOUNER, WILLIAM R. (M'51), Head, Applications Engrg., P. R. Mallory Co., 3029 E. Washington, Indianapolis, Ind. BOOK, ERIC G. (A'50-M'53-SM'58D), Project Engr., Andrew Corp., 363 E. 75 St., Chicago 19, III.

 BOOK, EVERARD (S'47-A'49), 10D Kemwood Rd., Grosse Pointe Farms 36, Mich.

 BUNKEL, JOSEPH R. (A'52-M'58), Sr., Engr., Librascope, Inc., BOB N. Western, Glendale, Calif.

 BOOKER, CLYDE A., JR. (A'49-M'55), Sr. Engr., Westing-house New Prods., Box 10596, Pittsburgh 35, Pa.

 BOOKER, CHEL C. (A'54), Asst. Supt., Engrg. Job Evaluation Northern Electric Co., Ltd., 1600 Dorchester St., W., Montreal, P. Q., Canada.

 BOOKER, HENRY G. (SM'45-F'53), Dir., School of Elec. Engrg., Cornell Univ., Ithaca, N.Y.

 BOOKER, JAMES L. (A'49), Supy. Electronics Specialist, FAA, U.S. Dept. of Commerce, Municipal Airport, Houston, Tex.

- Tex.

 BOOKER, JAMES P. (M'52), Electronics Engr., Cooke Engrg. Co., 1305 S. Railroad Ave., San Mateo, Calif. BUOKER, RALPH W. (5'49-A'50-M'56), Sr. Engr., Philococop., C & Troga Sta., Philadelphia 34, Pa. BODKIN, MARVIN L. (5'56-M'58), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 BOOKMAN, ROBERT E. (5'41-A'43-SM'54), Dir., Engrg., The Standard Electric Time Co., B9 Logan St., Springfield 2, Mass.

- 2, Mass.

 BOOKWALTER, EARL C. (A'54), Quality Control Mgr.,
 Everline Instrument Corp., 805 Early, Santa Fe, N.M.

 BOUKWALTER, LOUIS S. (A'34-Va'39), Dir., Engrg., Mt.
 Hood Radio & TV Broadcasting Corp., KOIN, AM, FM & TV,
 140 S.W. Columbia St., Portland 1, Ore.

 BOOLE, ROBERT A. (A'54), Engr., Genl. Radio Co., Baker
 Ave., West Concord, Mass.

 BOUNE, BILLY B. (5'49'A-5'0), Chief, Etectronic Measurements Sect., White Sands Proving Grounds, N.M.

- BUONE, ENDCH M. (A'43-5M'46-F'56), Prof., Elec. Engr., Ohio State Univ., Columbus 10, Ohio.

 BUONE, GEORGE R. (S'58-M'59), 1004 Coster Dr., Dayton 3, Ohio.

 BOONE, JAMES V. (M'5B), 5531 Hickam Dr., Dayton 31, Ohio.
- Ohio.

 BUONE, KENNETH E. (M'5B), Electronics Engr., Martin
 Co., Cocoa Beach, Fla.

 BOUNIN, NATHANILE B. (S'51-A'51-M'57), Project Engr.,
 Electronics, Tatnall Measuring Systems Co., Box 245,
 Phoenixville, Pa.

 BOOD WANNET (M/53) France Sert Head Sports.
- GYDSCHIZVITIE, PA3.

 BOOP, WAYNE E. (M'53), Engrg. Sect. Head, Sperry GYroscope Co., Great Neck, L.I., N.Y.

 BOOR, RUSSELL A. (S'55-M'57), 2nd LL., U. S. Army Ordnance Corps, Ordnance Mission, White Sands Missile Range, N.M.

- Range, N.M.

 BOORSTYN, ROBERT R. (S'58-M'59), Missile Systems
 Analysis, Sperry Gyroscope Co., Great Neck, L. I., N.Y.

 BOOS, FRANCIS H., JR. (S'55-M'56), Patent Engr., Hazeltine Research Corp., Little Neck 62, L. I., N.Y.

 BOOSE, WILLIAM H. (A'56), Communications Technician,
 RCAF, Chatham, N.B., Canada.

 BOOTH, ADA S. (M'59), Dev. Engr., Sir W. G. ArmstrongWhitworth Aircraft, Ltd., Whitley, Coventry, Warwicks,
 Enoland. Whitworth England.
- 800TH, ALFRED E. (M'59), Dev. Engr., Sir W. G. Armstrong-Whitworth Aircraft, Ltd., Whitley, Coventry, Warwicks, England.
- BOOTH, ALLEN T. (S'54-M'56), Design & Dev. Engr., RCA, Camden 2, N.J.
- KLA, Camden 2, N.J.
 BOOTH, DAVID L. (S'56-M'58), Staff Asst., C. & P.
 Telephone Co., MacCorkle Ave., Charleston, W. Va.
 800TH, FRANK T. (S'54-A'55), Electronics Engr., Ameican Electronics, Inc., 9503 W. Jefferson Blvd., Culver
 City, Calif.
- City, Calif.

 BOOTH, GEORGE H. (A'54), Electronics Field Engr., Philoc
 Com., 42 & Lehigh, Philadelphia 32, Pa.

 BOOTH, GRANT W. (M'57), Mgr., Data Storage Devices,
 Rese Engrg., Inc., 731 Arch St., Philadelphia, Pa.

 BOOTH, HAROLD H. (S'54-M'57), Project Engr., Kearfott,
 Inc., 1500 Main Ave., Clifton, N.J.

 BOOTH, JACK E. (M'56), Capt., USAF, Electronics
 Warefare Officer, Science & Engrg. Div., USAF, Box 86,
 Tinker AFB, Okla.
- BOOTH, JAMES D. (A'27-VA'39), Sr. Design Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

- BOOTH, PHILIP C. (M'57), Tech. Asst., Patents, I.B.M. United Kingdom, Ltd., 101 Wigmore St., London W. 1., England.

- United Kingdom, Ltd., 101 Wigmore St., London W.

 1., England.

 BOOTH, R. M. JR. (A'43-M'55), Atty., B15 15 St.,
 N.W., Washington 5, D. C.

 BOOTH, R. M. JR. (A'43-M'55), Atty., B15 15 St.,
 N.W., Washington 5, D. C.

 BOOTH, RICHARD P. (SM'53), Dir., Military Communication Systems Engre, Bell Tel Labs., Whippany, N.J.

 BOUTH, RICHARD Y. (M'55), Asst. Project Engr., Radiation, Inc., Box 37, Melbourne, Fla.

 BOOTH, ROBERT C. (M'52), Chief Engr., Electric Eye Equipment Co., 193B E. Fairchild, Danville, III.

 BOOTH, ROBERT E. (S'47-A'48-M'53), Head, Microwave Tubes & Components Sect., Electronic Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 BOOTH, ATVLOR L. (S'53-M'57), Engr., West indhouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.

 BOOTHBY, LAWRENGE W. (M'55), Head, Science Dept., Emma Willard School, Pawling Ave., Troy, N.Y.

 BOUTHE, ALONZO M. (A'42-SM'54), Sr. Engr., Motorola, Inc., B201 E. McDowell Rd., Phoenix, Ariz.

 BOOTHERSTONE, FRANKLIN B. (A'56), Science Teacher, Board of Education, Trenton, N.J.

 BOOTHROYD, JOSEPH H. (A'54), Mem. Tech., Statt, Microwave Research & Dev. Lab. Hulders Alirzaif C. Culvave

- BOOTHROYD, JOSEPH H. (A'54), Mem. Tech. Staft, Microwave Research & Dev. Lab., Hughes Aircraft Co., Culver City, Calif.
- BOOTHROYD, WILSON P. (SM'47-F'56), Mgr., Engrg.-Electronics, Philco Corp., Tioga & C Sts., Philadelphia 32, Pa.

- 22, Pa.

 BOOTDN, RICHARD C., JR. (S'48-A'49-M'55), Mgr., Guidance & Navigation Dept., Space Technology Labs., Inc., Box 95001, Los Angeles 49, Calif.
 BOOTS, WENDELL K. (S'48-A'59-M'52-SM'55), Field Engr., Sylvania Elec., Prods., Inc., Emporium, Pa.
 BOPP, CALVIN C. (S'40-A'33-M'46-SM'52), Mgr., Equipment Prod. Dev. Engra., Avco Mfg. Copp., Crosley Div., 1329 Arlinston St., Cincinnati 25, Ohio.
 BOQUETE, CARLOS B. (S'56-M'57), Uruguay 36B, Caseros-FNGSM, Argentina.
 BOQUITSI, INOMAS A. (S'56-M'58), Assoc. Engr., Martin Co., Drlando, Fla.
 BORAH, DELMAR F., III. (A'57), Oesigner, GE Co., Lakeside Ave., Burlington, W.
 BURCHARDI, ROBERTIT. (S'49-A-50-M'56), Mgr., Sales Services, Motorola, Inc., Communications & Industrial Electronics Div., 4501 W. Augusta Blvd., Chicago 51, III.
 BORCHER, ERWIN J. (A'50), Radio Communication Engr.,
- BORCHER, ERWIN J. (A'50), Radio Communication Engr., Northern Natural Gas Co., Box 1D2, South Omaha, Neb. BURCHERS, NORMAN L. (5'41-A'54-M'56), Llec. Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 3, Md.
- BORCK, CHARLES A. (SM'54), Chief Engr., Empire Devices, Amsterdam, N.Y.
- Devices, Amsterdam, N.Y.
 BUROA, JUSEA. (M'5/), Prof., Instituto Technologico De
 Aeronautica, Sao Jose dos Campos, Sao Paulo, Brazil.
 BORDE, EDGAR H. (A'46), Governing Dir., Edgar H. Borde,
 Ltd., 62 Sacville St., Port-of-Spain, Trinidad, British
 West Indies.
- System Dev. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
- Falls Church, Va.

 BORDEN, CHARLES C. (A'55), Sales Mgr., Ace Engrg. &
 Machine Co., Inc., Tomlinson Rd., Hurtingdon Valley, Pa.

 BURDEN, DEAN C. (M'56), Mem. Tech. Statt, Bell Tel.
 Labs., Whippany, N.J.

 BURDEN, EDWARD W. (A'47-M'55-SM'59), Engr., Radio
 Engrs. Sect., AT&T Co., 195 Broadway, New York 7, N.Y.

 BORDEN, ERNEST D. (A'53), 88 Seneca Ave., White
 Plains, N.Y.

- BORDEN, FRANCISCO W. (S'57-M'58), Pres., Compania Auto-Peyot, S.A., Espada 60, Habana, Cuba. BORDEN HOWARO C., JR. (M'57), Dev. Engr., Stan-ford Research Institute, Menlo Park, Calif. BORDEN, ROBERT R. (S'49-A'53-M'58), Mfg. Foreman, Westinghouse Elec. Corp., 5730 Clinton Dr., Houston 20, Tex.
- BORDENAVE, LEON R. (A'54), Marine Service Engr., Mackay Radio & Telegraph Co., 1748 Carondelet, New Orleans, La.
- Orleans, La.

 BORDER, BARRETT (A'51), Owner, Barrett Border & Co., 121 Oak St., Tenafly, N.J.

 BORDERS, CHARLES R. (S'42-A'43-SM'55), Asst. Tech. Mgr., Pan American Airways-GMRD, Patrick AFB, Fla.

 BURDLEWISCH, COBERT W. (A'59), Mgr., Bordewieck Engrg. Sales Co., Braintree 85, Mass.

 BURDLEWISCH, JAMES F. (S'49-A'90-M'55), Electronics Engr., USAF. Home: 4001 E. 3rd, Dayton 3, Ohio.

 BORDIGA, BENNO (A'56), Pres., All-0-Matic Mfg. Corp., 2099 Jericho Tpke, New Hyde Park, L.I., N.Y.

 BURDNER, GLORGE W. (M'99), Asst. Engr., Cornell Aeronautical Lab., Buffalo, N.Y.

 BORDOGNA, ALDO C. (S'56-M'59), Computer Engr., RCA.

- BORDOGNA, ALDO C. (S'56-M'59), Computer Engr., RCA, Camden, N.J.
- Camden, N.J.

 BOREEN, HENRY I. (S'55-M'57), V.P., Secy., Vector
 Mfg. Co., Inc., Keystone Rd., Southampton, Pa.

 BORES, JAMES W. (S'57-M'58), Project Engr., AC Spark
 Plug Div., 1925 E. Kenilworth Pl., Milwaukee 2, Wis.

 BURG, ARI HUR N. (S'55-M'56), Assoc. Engr., Rauland
 Borg Corp., 3535 W. Addison St., Chicago 18, III.

 BURG, ROBERI H. (A'55), Chief Engr., Borg Electronics,
 386 Walnut St., Englewood, N.J.

 BORG, WALTER N. (M'54), 1 Lewis St., Hartford 3,
 Conn.

- Conn.

 BURGLE I, ELMER H. (A'49-M'55), Chiel, Special Assemblies Unit, WCLNK-13, Wright Air Development Certer, Wright-Patterson AFB, Ohio.

 BORGELT, WILLIAM E. (J'41-A'43-M'55), 344 Bryn Mawr Rd., New Hyde Park, L.1., N.Y.

 BURGLMAN, CARROL E. (5'56-M'5'), Field Engr., Westtern Electric Co., Box 114, Huntsville, Ala.

 BORGESE, ANTHONY J. (A'46-A'48-M'55), Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 BURGLSON, CARL A. (A'27-SM'49), Depreciation Engr., Long Lines Dept., ATAT Co., 32 Ave. of the Americas, New York 13, N.Y.

 BORGESON, PAUL W. (4'49-M'455), Perime Eng., Development
- BORGESON, PAUL W. (A'49-M'55), Design Engr., Douglas Aircraft Co., Inc., 827 Lapham St., El Segundo, Calif.

BOR-BOU - 101 -

BORGHARD, ALLAN A. (S'57-M'59), Engr., Sperry Gyroscope Co., Garden City, L.I., N.Y. BORGHETTI, JOSEPH C. (A'5B), Project Supvr., Microwave Development Labs., 11 Michigan Dr., Natick, Mass. BORGHI, RICHARD P. (S'50-A'55), Mem. Tech. Staff, GE Co., Microwave Lab., 601 California Ave., Palo Alto, Calif.

BORGMAN, KENNETH W. (S'57-A'5B), Elec . Performance Inspector, Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.

BORGNIS, FRITZ E., (SM'57), Dir., Research, Phillips Labs., 30 Vogt Koelin St., Hamburg, Stellingen, West Germany.

Gemany.

BORGSTROM, JAMES H. (S'56-M'5B), 236B Victory.

Pkwy. Cincinnati 6, Ohio.

BORIACK, FRED L. (S'57-A'59), Tech. Asst., Western.

Electric Co., Lexingforn Rd., Winston-Salem, N.C.

BORING, JAMES W. (S'53-A'55), Radar Systems Engr.,

Missiles & Space Systems Div., United Aircraft Corp.,

East Hartford, Conn.

BORING, WILLIAM D. (SEA-MEG).

East Harford, Conn.

BORING, WILLIAM D. (S'54-M'56), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falts Church, Va.

BORISKY, ARTHUR, JR. (M'56), Sr. Field Engr., Bendix Radio Div., Painters Mill Rd., Owings Mills, Md.

BORKAN, HAROLD (S'49-A'51-M'56-SM'5B), Research Engr., RCA Labs., Princeton, N.J.

BORKEN, ALAN (S'51-A'53), Sales Engr., D.R. Bittan Co., 104 S. Central Ave., Valley Stream, L.I., N.Y.

BORKOVITZ, HENRY S. (S'57-M'5B), Elec. Engr., Melting Div., Lindberg Engrg. Co., 2450 W. Hubbard, Chicago, III.

BORKOWSKI, CHESTER J. (A'41-M'46), Electronics Engr., Gett Altraft Corp., Niagara Falls, N.Y. BORKOWSKI, JOHN A. (S'53-A'54), 4807 W. Sample St., South Bend 19, Ind.

BORKS, MANFRED D. (A'55-M'56), Sect. Mgr., Field Engrg., Hoffman Electronics Corp., 3761 S. Hill St., Los Angeles 7, Calif.

Los Angeles 7, Calif.

BORKUM, DAVID B. (S'56-M'5B), Group Leader, Sperry Gyroscope Co., Great Neck, L.I., NY.

BORLAND, ROBERT P. (A'51-M'57), Sr. Engrg. Specialist, Thompson-Ramo-Wooldridge, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.

BORMAN, ARTHUR P. (S'43-A'46), Sr. Nuclear Engr., Lockheed Aircraft Corp., Dawsonville, Ga.

BORMAN, WILLIAM M. (S'52-A'53-M'5B), Project Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.

BORN, ARTHUR S. (SW'56), ASSt. to V.P., Research & Dev., Collins Radio Co., Cedar Rapids, Iowa.

BORN, W.T. (A'27-VA'39-SM'51-F'57), Dir., Lab., Geophysical Research Corp., 136 Mohawk Blvd., Tulsa 6, Okla.

BORNER, EARL F. (S'60-A'52-M'52)

Computing Lab., Knoll-Atomic Power Lab., GE Co., Schenectady, N.Y.

BORNER, RICHARD C. (A'45-M'56), Tech. Facilities Div. Engr., Genl. Teleradio, WOR Div., 1440 Broadway, New York 36, N.Y.

Engr., Genl. Teleradio, WOR Div., 1440 Broadway, New York 36, N.Y.

BORNHORST, KENNETH F. (S'49-A'51-M'57), Project Engr., Special Prods. Div., Globe Insudtries, Inc., 125 Sunrise Pl., Dayton, Ohio.

BOROFKA, ROBERT P. (S'4B-A'53-M'5B), Sr. Mem. Tech. Staff, ITT Labs., J5151 Bledsoe St., San Fernando, Calif. BORONOW, EUGENE L. (S'50-A'51-M'56), Research Engr., Bendix Aviation Corp., Teterboro, N.J.

BORONOW, FREDERICK S. (S'52-A'53), Engr., New York Telephone Co., 101 Willoughby St., Brooklyn 1, N.Y.

BOROS, GEORGE (A'5B), Dir., Information, Entron, Inc., 4902 Lawrence St., Bladensburg, Md.

BOROVIK, DANIEL I. (S'54-M'56), Project Engr., Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, Ill.

BOROWSKI, ELWOOD (A'49), Test Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City, N.Y.

BOROWSKI, ROMALD E. (S'5B-A'59), Electronics Engr., Technician, Admiral Corp., 3B00 Cortland, Chicago, Ill.

BORRELLI, RONALD N. (S'56-M'5B), Electronics Engr., Univ. of California Radiation Lab., Livermore, Calif.

BORRIELIO, LIBERO L. (A'5B), Laboratorio Ricerche Elettroniche, Via del Parlamento, 33, Borgolombardo, Milano, Italy.

MITARIO, ICAIY.

BORSARELLI, CESARE (A'46-M'55), Owner & Mgr., Consulting Engr., PIMABOR, Via C. Balbo 13, Milano, Italy.

BORSCH, KENNETH S. (SM'57), Chief, Elec. Engr.,
Systems Engrg., Div., Paul Hardeman, 2051 Pontius Ave.,
Los Angeles 25, Calif.

BORSI, PETER N. (A'45-M'59), Electronics Engr., FCC, Allegan, Mich.
BORSKI, GEORGE K. (S'51-A'53-M'57), Consultant Engr., Albany Designing, Inc., Albany; GE Co., Syracuse, N.Y.
BORSODY, BENJAMIN F. (M'50-SM'56), Telecommunications Engre. Consultant, Govt. of Iran, Ministry of Interior, Shahbani, Teheran, Iran.

DANDAM, Teneran, Iran.

BORST, JOHN M. (A'34-VA'39), Sr. Engr., Haskins Labs., 305 E. 43 St., New York 17, N.Y.

BORTH, JOHN W. (S'47-A'50-M'56), Elec. Engr., Balloon Dept., Genl. Mills, Inc., 114 Central Ave., Minneapolis 14, Minn.

BORTH, LAURENCE A. (S'4B-A'49-M'55), Sr. Project Engr., Canadian Applied Research, Ltd., 1500 O'Connor Dr., Tororto, Ont., Canada.

BORTH, LAURENCE A. (S'4B-A'49-M'55), Sr. Project Engr., Canadian Applied Research, Ltd., 1500 O'Connor Dr., Tororto, Ont., Canada.

BORTKIEWICZ, JAN B. (A'55), Planning Engr., Western Electric Co., 100 Central Ave., Kearny, N.J.

BORTON, JESSE T. (A'56-M'57), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.
BORTS, ROBERT B. (S'47-A'52-SM'5B), Sect. Mgr., Raytheon Mfg., Co., Wayland, Mass.
BORUNDA, GABRIEL S. (M'56), Electronics Engr., U. S. Naval Ordnance Lab., Corona, Calif.
BORV, RICHARD A. (M'59), Design Engr., Motorola, Inc., 1450 N. Cicero, Chicago 51, III.

BOSCH, FRANZ M. (A'51-M'56), Engrg. Specialist, Sylvania Electronic Systems, 1B9 B St., Needham 94, Mysr.

BOSCHEN. ALLAN C. (M'5B).

BOSCHEN, ALLAN C. (M'5B), Engr., Stavid Engrg., Inc.,

BOSCHERT, ROBERT J. (S'5B-M'59), Electronics Engr., Emerson Electric Co., B100 Florissant Ave., St. Louis 21, Mo.

BOSCIA, ARCHIE F. (S¹50-A¹51-SM¹57), Sr. Engr., Hoffman Labs. 3717 S. Grand Ave., Los Angeles 7, Calif.

BOSCIA, SALVATORE J. (S'51-A'52-M'57), Project Test Equipment Engr., Lansdale Tube Co., Spring City, Pa. BOSCO, JOE (S'56-M'5B), Staff, Lincoln Lab., MIT, Lexington 73, Mass.

Lexington 73, Mass.

BOSE, AMAR G. (S'51-M'56), Asst. Prof., Elec. Engrg., MIT, Cambridge 39, Mass.

MIT, Cambridge 39, Mass.

BOSE, EDWARD B. (M'57), Electronics Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

BOSE, JOHN H. (S'33-A'36-VA'39-M'55-SM'5B), Sr.

Lab. Supvr., Columbia Univ., Electronics Research Labs., 632 W. 125 St., New York 27, N.Y.

BOSE, KEITH W. (M'56), Field Engr., Kollsman Instrument Corp., B0-0B 45 Ave., Elmburst, L.I., N.Y.

BOSINOFF, IRVING (M'59), Head, Reliability Group, Lab. for Electronics, 75 Pitts St., Boston, Mass.

BOSISIO, RENATO G. (A'53), Electron Tube Engr., Canadian Marconi Co., Trenton, Mt. Royal, P. Q., Canadia.

Marconi Co., Trenton, Mt. Royal, P. Q., Canada.
BOSKA, ROBERTA. (S'57-A'5B), Technician, RCA, Patrick
AFB, Fla.
BOSLEY, HARRELL L. (S'57-M'5B), 3105 Belleview
Ave., Cheverly, Md.
BOSMAJIAN, CHARLES P. (M'5B), Electronics Engr., Range
Systems Design, Pacific Missile Range, Point Mugu, Calif.
BOSMAN, ELMER H. (A'42-M'46), Staff Engr., IBM,
Endicott, N.Y.

Endicott, N. Y.

BOSOMWORTH, GEORGE P. (A'36-VA'39-F'57), Mgr.,
Engrg. Lab., Firestone Tire & Rubber Co., 1200 Firestone Pkwy., Akron 17, Ohio.

Stone Pkwy., Akron 17, Uhio.
BOSQUEZ, RAMON D., JR. (M'56), Design Engr., Convair, Ft. Worth, Tex.
BOSS, LEWIS J. (A'44-M'50), Engrg. Administrator, Lynch Carrier Systems, Inc., 695 Bryant St., San Francisco, Calif.

Calif.

BOSS, WILLIAM O. (M'57), Genl. Mgr., All-American Scoreboard Corp., 127 Main St., Pardeeville, Wis.

BOSSARD, GISBERT L. (M'44), Pres-Treas., Consulting Engr., Arm Technical Institute, Inc., 2012 W. 25 St., Cleveland 13, Ohio.

BOSSART, PAUL N. (A'29-SM'46-F'56), Consulting Physicist, Union Switch & Signal Div., Westinghouse Air Brake Co., Swissvale, Pittsburgh 1B, Pa.

Brake Co., Swissvale, Pittsburgh 1B, Pa.

BOSSE, MARTIN L. (S'51-A'52), Engr., Chesapeake & Potomac Telephone Co. of Maryland, 320 St. Paul Pl., Baltimore 2, Md.

BOSSE, WALTER F. (SM'53), Engr., Amperex Electronic Corp., 230 Duffy Ave., Hicksville, L.1., N.Y.

BOSSET, ALFRED J., JR. (M'57), Engr., Midwest Research Institute, 425 Volker Blvd., Kansas City 10, Mo.

BOSSERT, JOSEPH A. (A'57), Electronics Technician, The Emerson Electric Mfg., Co., B100 Florissamt Ave., St. Louis 21, Mo.

BOSSHART, ROBERT F. (A'44-M'55), Tech. Dir., Systems

BOSSHART, ROBERT F. (A'44-M'55), Tech. Dir., Systems Sect., Cook Research Labs., 6401 Oakton St., Morton Grove, III.

BOSSI, ENEA W. (A'51-M'5B), Sales Engr., The Viking Tool & Machine Co., 2 Main St., Belleville, N.J.
BOSSIEUX, EUGENE V., JR. (M'56), Chief Radio Engr., W. WINA-FM & WJMA, Charlottesville Broadcasting Corp., Box 1230, Charlottesville, Va.
BOSSINGER, ALAN L. (M'56-SM'57), Sperry Gyroscope Co., Carle Place, L.I., N.Y.
BOSSLER, F. BERT (S'4B-A'49-M'55), Chief, Automatic Landing, System Dev., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

Landing, System Dev., Bell Aircraft Corn., Box 1,
Buffalo 5, N.Y.
BOSSOLETTI, JOSEPH E. (S'49-A'52-M'56-SM'59),
Supvry. Electronics Engr., Code 5220-2, U.S. Naval Air
Missile Center, Point Mugu, Caif.
BOSTAD, JOHN (A'27-M'39), Sales Mgr., Communication
Equipment, Aksjeselskapet NERA (P.O.B. 4060, Olso,
Norway), Pilestredet 75.C., Oslo, Norway.
BOSTED, NELSON P. (A'50), Mgr., Rectifier Div., Syntron
Co., Scott Ave., Homer City, Pa.
BOSTICK, BENJAMIN E. (M'57), Electronics Engr., Dept.
of Defense, Washington 25, D.C.
BOSTICK, FRANCIS X. (S'54-M'56), Research Engr., Univ.
of Texas, Austin, Tex.
BOSTICK, GLYN (A'51-M'52), Pres. & Chief Engr., Radar
Design Corn., Pickard Rd., Syracuse, N.Y.
BOSTROM, ROLAND C. (S'49-A'50-M'55), Sect. Head,
Airborne Instruments Lab., Mineola, L.I., N.Y.
BOSTWICK, LEE G. (4'30-VA'43-M'55), Mem. Tech. Staff,
Bell Tel. Labs., 463 West St., New York 14, N.Y.
BOSTWICK, LEWIS S., JR. (M'54), Project Engr., Fairchild Controls Corp., 225 Park Ave., Hicksville, L.I.,
N.Y.
BOSTWICK, WILLIAM E. (M'50), Electronics Engr., Univ.

N.Y.

BOSTMICK, WILLIAM E. (M'50), Electronics Engr., Univ. of California, Lawrence Radiation Lab., Livermore, Calif. BOSWAU, HANS P. (M'42-SM'43), Consulting Engr., Leich Electric Co., Genoa, Ill.

BOSWELL, IAN I. (A'45), Mng. Dir., Newport Instruments, (Scientific & Mobile), Ltd., Dir., Addison Electric Co., Ltd., Bosworth Rd., London, W. 10, England.

BOSWELL, RAYMOND A. (S'5B-A'59), Test Technician, Melpar, Inc., 1301 S. Fern St., Arlington, Va.

BOSWORTH, CEMERRILL D. (A'47), Electronics Engr., Belding Hemingway Co., Providence St., Putnam, Conn.

BOSWORTH, CEMERRILL D. (A'47), Electronics Engr., Belding Hemingway Co., Providence St., Putnam, Conn. BOSWORTH, OMAR T. (A'56), Quality Control Technicjan, GE Co., Utica, N.Y., BOSWORTH, VERNE O., JR. (S'56-A'5B), Electronics Engr., McDonnell Aircraft Corp., Lambert-St. Louis Airnort, St. Louis, Mo. BOTH, WILLIAM A. (S'53-M'59), 736 Lincoln St., Waltham 54, Mass. BOTHUN, RICHARD B. (S'48-A'52-M'55), Operations Analyst, Stanford Research Institute, Menlo Park, Calif. BOTHWELL, DONALD C. (M'5B), Engr., Electronics, Advanced Communications Engrs., Washination, D.C. BOTHWELL T. PAUL (S'53-A'54-M'59), Asst. Chief Engr., Essco., Inc., SBB Commonwealth Ave., Boston 15, Mass. BOTOS, ROBERT A. (S'5B-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

sant. Mo
BOTTOM, VIRGILE, MARDO (1514, MISD) Across McMurry
College, Abilene, Tex.

Sont March College, Abilene, Tex.

BOTTOMLEY, RICHARD O. (5'56-M'5B), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif.

BOTTOMLEY, WILLIAM D. (A'59), Sr. Engr.-in-Chg., Broadcasting Transmitting Sta., BBC, Broadcasting House, London, WI, England.

London, WI, England.

BOTTORFF, PAUL A. (A'36-VA'39-M'55), Pres. & Chief Engr., Trimm, Inc., Box 4B9, Libertyville. III

BOTWIN, LEO (SM'54), Asst. Mgr., Engrg. Operations, Norden Div., United Aircraft Corp., 121 Westmoreland Ave., White Plains, N.Y.

Ave., Wmite Piains, N.Y.

BOTWINICK, EDWARD (M'5B), Engr., Gerard G. Leeds
Co., Inc. 12 Crampton Lane, Great Neck, L.I., N.Y.

BOTZONG, WILBUR B. (S'54-A'55), Lt. Col., USAFR,
Wright-Patterson AFB., Ohio.

BOUBLI, ELIE J. (S'53-A'56), Advanced Dev. Engr.,
Sylvania Data Systems Operation, 189 B St., Needham
QA Mase.

94, Mass.
BOUCHARD, EDGAR N. (S'57-A'5B), Chief Engr.,
WGEE, Rollins Broadcasting Co., Indianapolis, Ind
BOUCHARD, GEORGE O. (S'53-A'54), Project Engr.,
Stromberg-Carlson Co., 1400 N. Goodman St., Rochester,

BOUCHARD, J. GERARD F. (S'55-M'5B), Transistor Design Engr., Sprague Electric Co., Pembroke Rd., Concord, N.H.

BOUCHER, AUSBORN L. (M'5B), Supvg. Engr., Mis Div , Logistic Support Branch, Chrysler Corp., Warr Mich.

BOUCHER, GUY F. (M'5B), Lead Engr., Data Processing Systems, Sylvania Elec. Prods., Inc., 1B9 B St., Needham, Mass.

Mass. BOUCHER, ROBERT J. (S'53-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. BOUCHEY, STUART H. (A'45-M'55), Engr., Potomac Electric Power Cn. 929 F. St., N.W., Washington

Linctric Prower Cn. 929 F. St., N.W., Washington 4, D.C.

BOUCHIER, PIERRE (A'5B), Regie Des Telegraph Et Des Telephone, 42 Rue Des Palais, Bruxelles, Belgium. BOUDLER, ALVIN G. (A'50), TV Technician, RCA Service Co., Inc., 3001 Cleveland, North Canton, Ohio.

BOUDDURIS, ANGELO (M'52), Pres., Electrical Prods. Research & Dev. Co., 1206 Cherry, Totedo 4, Ohio.

BOUDDURIS, GERRGES (SM'5B), Centre Natl. de La Recherche Scientifique, Laboratoire de Physique de l'Atmosphere, 1 Quai Branly, Paris 7E, France.

BOUDREAU, JULES M.C. (M'59), Engr., Microwave Development Labs., Inc., 92 Broad St., Wellesley, Mass.

BOURFEAU, UHALES L. (M'56), Field Engr., Tektronix, Inc., 3272 Peachtree Rd., N.E., Atlanta 5, Ca.

BOUGAS, APOLLO C. (S'56-M'57), 24 Baker Ave., Lexington, Mass.

BOUGH, CHARLES F. (S'53-A'54-M'59), Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.

BOUGH, JOSEPH N. (A'57). Elec. Engr., Sarkes Tarrian.

N.Y.
BOUGH, JOSEPH N. (A'57), Elec. Engr., Sarkes Tarzian,
Inc., E. Hillside Dr., Bloomington, Ind.
BOUGHER, WILLIAM G. (A'53), Asst. Production Mgr.,
Levinthal Electronic Prods., Inc., 31BO Hanover St.,
Palo Alto, Calif.

BOUGHTON, EDWARD M. (M'56), Mathematical Physicist, Ramo-Wooldridge Corp., 5740 Arbor Vitae, Los Angles 45, Calif.

BOUGHTWOOD, J. EDWIN (A'40-M'45), Transmission Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

N.Y.
BOULANGER, HENRY J. (M'59), Engr., M & C Nuclear, Inc., Attleboro, Mass.
BOULAY, PAUL F. (S'56-M'57), Instr., Elec. Engrg., Univ. of Arizona, Tucson, Ariz.
BOULAY, ROBERT R. (A'49), Sr. Test Engr., Electronic Communications, Inc., Maritime Base, St. Petersburg, Fla.

Fia.

BOULET, LIONEL J. L. (S'44-A'49-M'55-SM'56), Head, Elec. Engrg. Dept., Universite Laval, Blvd. De L'Ernente, Quebec, P.Q., Canada.

BOUNDY, GLENN G. (A'46-SM'47), V.P., in-Chg., Engrg., Storer Broadcasting Co., 1177 Kane Concourse, Miami Beach 54, Fla.

BOURBEAU, FRANK J. (S'57-A'59), Project Engr., AC Spark Plug Div., Milwaukee, Wis.

BOURBONNAIS, PIERRE J. (S'54-M'55), Communications Engr., Hydro-Quebec, 307 Craig St., W., Montreal, P.Q., Canada.

BOURGEOIS, NOLAN A. JR. (S'50-A'52-M'56). Staff

P.Q., Canada.

BOURGEOIS, NOLAN A., JR. (S'50-A'52-M'56), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
BOURGET, J. ANDRE (M'57), Semiconductor Circuit Engr., Martin Co., Baltimore 3, Md.
BOURGET, LOUIS (M'56), Assoc. Electronics Engr., Materials & Research Debt., California State Div. of Hwys., 5900 Folsom Blvd., Sacramento 19, Calif.
BOURGUIGNON-FAMAEY, G. (A'57), BO Rue des Deux Gares, M.B. L. E., Bruxelles, Belgium.
BOURKE, WILLIAM A. (S'4B-M'54-SM'57), Exec. V.P., The Narda Microwave Corp., 11B-160 Herricks Rd., Mineola, L.I., N.Y.
BOURLAND, HARDY M. (S'54-M'55). Aerophysics From

MINEOIA, L.1., N.Y.
BOURLAND, HARDY M. (S'54-M'55), Aerophysics Engr.,
Convair, Ft. Worth, Tex.
BOURLAND, LANGFORD T. (A'37-M'41-SM'43), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

D.C.

BOURNE, CHARLES P. (A'52-M'5B), Research Engr., Stanford Research Institute, Menlo Park, Calif.

BOURNE, HENRY C., JR. (SM'56), Assoc. Prof., Elec. Engrg., Univ. of California, Berkeley 4, Calif.

BOURQUE, ADRIAN R. (S'57-M'57), Federal Electric Corp., Box 4B7, Fairhanks, Alaska.

BOURQUIN, KENT R. (S'57-M'57), Research Engr., Ames Lab., (NACA) Moffett Field, Mountain View, Calif.

BOURRET, CLARENCE J. (S'47-A'50-M'55), Asst. Project Engr., Pratt & Whitney Aircraft, Canel, Box 611, Middletown, Conn.

BOURRET PHILIP L. (S'48-A'48) MIEST.

Modercown, Comin.

BOURRET, PHILIP L. (S'45-A'4B-M'51), Facilities Engr.,
Ilan Battery Factory, Ilan, Taiwan, Formosa.

BOUSE, GEORGE B. (A'59), Asst. Prof., Engr., Los
Angeles State College, 5151 Murphy St., Los Angeles 32,

BOUSFIELD, JOHN A. T. (SM'57), Sr. Engr., Radio Relay Sect., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P.Q., Canada.

BOUSKA, JERRY F. (S'4B-A'50-M'5B), Engr., Comm wealth Edison Co., 1319 S. 1st Ave., Maywood, III

- BOUSKY, SAMUEL (A'40-SM'47), Dir., Research & Engrg. Chicago Aerial Industries, Inc., 1980 Hawthorne Ave., Melrose Park, III.
 BOUSQUET, ARTHUR G. (A'29-M'38-SM'43), Dev. Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.
 BOUTEILLER, CHARLES E. (A'57), 17 S. 6 St., Locust Valley, L.I., M, Y.
 BOUTELLE, JOHN O. (S'57-A'58), Jr. Engr., AC Spark Plug Oiv., 1925 E. Kenilworth, Milwaukee 2, Wis.
 BOUTIN, ANDRE J. J. (S'55-M'57), Methods Engr., Northern Electric Co., Shearer, Montreal, P. Q., Canada.
 BOUTIN, CHARLES U. (M'57), Mem. Tech. Staff, Hughes Aircraft Co., Tucson, Ariz.
 BOUTROS, OLIVER L. (M'49), Owner, Engr., Oliver L.
 BOUTOS Instrument Lab., 12511 E. 67 St., Kansas City 33, Mo.
 BOUTRY, GEORGES A. (SM'57), Prof. of Vacuum Physics & Electronics Conservatoire des Arts & Metiers, 292 Rue St.

- Electronics Conservatoire des Arts & Metiers , 292 Rue Si Martin , Paris 3 , France; Pres . , Laboratoires d'Electroniq & de Physique Appliquee , 23 Rue du Retrait , Paris 20 ,
- BOUTWELL, EDWARD O., JR. (S'55-M'56), Digital Computer Logical Designer, Aeronutronic Systems, Inc., Ford Rd., Newport Beach, Calif.
- BOUTWELL, ERNEST D. (M'57), Sr. Engr., Martin Co., Sandlake Rd., Orlando, Fla. BOUTZ, FRANCIS E. (M'46), Service Engr., Boutz Radio & Television Services, 224 Washington, Petaluma, Calif. BOUYY, JACK W. (M'55), Asst. for Marine Corps., Tech Materials Div., Bureau of Ships, USN, Washington 25, D.C.
- D.C.
 BOUWMAN, BERT J. (S'50-A'51-M'56), Engrg. Supvr.,
 Western Electric Co., Chicago 23, III.
 BOUWS MA, WILLIAM J. (S'56-M'57), Electronics CheckOut Technician, Chrysler Corp., Missile Div., Van Dyke,
 Detroit, Mich.
- BOUYOUCOS, JOHN V. (M'56), Mgr., Hydroacoustics Lab., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester

- Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y.

 BOVA, ANTHONY S. (5'57-A'5B), Electronics Technician, Bilieg Electric Co., 200 Union Sta. Bidg., Erie, Pa. BOVAIRD, CHARLES F. (A'59), Customer Engr., IBM, 1256 Union Ave., Memphis, Tenn.

 BOVE, KENNETH G. (S'54-M'56), Design Engr., Hazeltine Electronics Div., Little Neck 62, L. 1, N.Y.

 BOVICH, FMIL J. (A'52), Asst. Mead, Thor Equipment Engrg. Group, AC Spark Plug Div., Debt. 3221, Oak Creek Plant, Box 746, South Milwaukee, Wis.

 BOVILL, ANTHONY W. (M'56), Engr., Raytheon Mfg. Co., Maynard, Mass.

 BOW, ALEXANDER (A'43), V.P., Radio Speakers (Canada), Ltd., 37 Hanna Ave., Toronto 3, Ont., Canada.

 BOW, BARK H. (A'55), Elec. Engr., Melbar, Inc., 11 Galen St., Watertown 72, Mass.

 BOWAB, LOUIS G. (S'55-M'58), Planning Engr., Western Electric Co., Central Ave., Kearmy, N.J.

 BOWAR, RAYMOND L. (S'57-M'59), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 BOWDEN, ARVIN J. (A'58), Telephone Repeaterman, Southwestern Bell Tel. Co., B15 Tyler, Amarillo, Tex.

 BOWDEN, BERTRAM V. (SM'44), Princibal, The Manchester College of Science & Technology, Sackville St., Manchester, Lenjand.

- College of Science & Technology, Sackville St., Manchester I, Enjaland.

 BOWDEN, FOREST J. (S'50-A'52-M'57), Elec. Supt.,
 Dow Chemical Co., Bay City, Mich.

 BOWE, CLARENCE E. (M'57), Project Engr., Frankford
 Arsenal, Philadslphia 37, Pa.
 BOWE, JEFFREY J. (A'53-M'5B), Physicist, Air Force
 Cambridge Research Center, Hanscom Field, Bedford, Mass.
 BOWEN, BENJAMIN A. (M'56), Flight Lt., RCAF, Royal
 Military College, Kingston, Ont., Canada.

 BOWEN, BRUCE D. (S'57-A'58), Engr., Genl., Railway
 Signal Co., BOJ. West Ave., Rochester 11, N.Y.
 BOWEN, CHARLES H. (S'53-M'57), Instr., Jowa State College,
 Elec. Engrg. Bidg., Ames, Jowa.

 BOWEN, DONALD A. (S'50-A'52-M'57), Dev. Engr.,
 Sperry Gyroscope Co., Sunnyvale, Callf.

 BOWEN, DONALD C. (A'52-SM'55), Administrator, IEP
 Standards Engrg., RCA, Camden, N.J.

 BOWEN, EARLE C. (A'57-M'57), 532 Torrance Ave.,
 Vestal, N.Y.

 BOWEN, HAROLD C. (L'16-A'18-M'55), Treas., Joseph A.

- Vestal, N. Y.
 BOWEN, HAROLD C. (J'16-A'18-M'55), Treas., Joseph A.
 Bowen Co., 100 Pleasant St., Fall River, Mass.
 BOWEN, JACK L. (A'33-VA'39), Owner, Electronic Communication Equipment Co., 1249 W. Loyota Ave., Chicago 26, III.
- 26, III.

 BOWEN, JAMES R. (S'49-A'53-M'59), Engr., Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore 27, Md.

 BOWEN, LLOYD C., JR. (S'57-A'59), 1040 Rutland, Houston B, Tex.

 BDWEN, LOUIS M. (S'54-A'55), Electronics Maint. Technician, FAA, 0'Hare Field, Chicago, III.

 BOWEN, MERLIN J. (S'50-M'58), Electronics Research Engr., Eitel-McCullough, Inc., 167B S. Pioneer Rd., Sait Lake City, Utah.

 BOWEN, MONTIE J. (A'57), Reliability Engr., Raytheon Mfg. Co., Shawsheen Village, Andover, Mass.

 BOWEN, NONTIE J. (M'56), Designs & Dev. Engr., BCA

- BOWEN, O. NELSON (M'56), Design & Dev. Engr., RCA, Moorestown, N.J.

- Moorestown, N.J.
 BOWEN, RICHARD A. (A'58), Pres., Balinda Labs., 689
 Highland Ave., Needham Heights 94, Mass.
 BOWEN, RONALD G. (M'47), Pres., R. G. Bowen Co.,
 Inc., 721 S. Broadway, Denver 9, Colo.
 BOWEN, WILLIAM A., JR. (M'50-5M'56), Head, Infrared
 Guidance Branci, U. S. Naval Air Missile Test Center,
 Point Mugu, Calif.
 BOWER, CASPER M. (M'55), Myr., Investment Dept.,
 Utilities & Industries Mngt. Corp., 425 Park Ave., New
 York 22, N.Y.
- York 22, N.Y.

 BOWER, DONALD A. (A'57), Assoc. Dev. Engr., Lockheed
 Missiles Systems Div., 1122 Jagels Rd., Sunnyvale, Calif.

 BOWER, FRANK H. (M'53-SM'59), Frod. Mgr., Semiconductor Prods. Div., Motorola, Inc., 5005 E. McDowell
 Rd., Phoenix, Ariz.

 BOWER, GEORGE G. (M'46-SM'57), Elec. Engr., Hughes
 Aircraft Co., Fullerton, Calif.

 BOWER, HADLEY H., JR. (S'56-M'57), Engr., Western
 Electric Co., Lexington Rd., Winston-Salem, N.C.

BOWER, JAMES, JR. (A'29-VA'39), Asst. Dir., Research, Genl. Cable Corp., Ave. A. & 1st St., Bayonne, N.J. BOWER, JOHN L. (SM'45), Consultant, 961B Shellyfield Rd., Downey, Calif.

- 102 -

- Rd., Downey, Calif.

 BOWER, M. MAXWELL (M'45), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N. J.,

 BOWER, WILLIAM M. (M'58), Sr. Materiels Engr., Bendix
 Aviatino Corp., Box 1159, Kansas City, Mo.

 BOWERMAN, ROBERT H. (S'48-A'50-M'57), Fire Control
 Systems Engr., U.S. Naval Underwater Ordnance Sta.,
 Newport, R.I.

- Newport, R.I.

 BOWERS, ALBERT W. (S'57-M'59), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 BOWERS, CHARLTON W. (M'57), Chief Engr., WNOK Radio & WNOK-TV, 1B11 Main St., Columbia, S.C.

 BOWERS, OAN M. (M'59), Project Engr., Natl. Security Agency, 3B01 Nebraska Ave., N.W., Washington 25, D.C.

 BOWERS, DANIEL E. (S'4B-A'51-M'56), Genl. Field Engr., Schlumberger Well Surveying Corp., HiWay 61S, Natchez, Miss.

- Natchez, Miss.

 BOWERS, ELLIS O, (S'54-A'54), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 BOWERS, JACK L. (A'44-SM'55), Asst. Chief Engr., Convair-Astronautics, San Diego, Calif.

 BOWERS, JAMES C. (M'59), Assoc. Research Engr. 'A,' Boeing Airplane Co., Box 107, Seattle 14, Wash.

 BOWERS, PAUL R. (S'57-M'5B), Factory Engr., Westinghouse Elec. Corp., 469 Sharpesville Ave., Sharon, Pa.

 BOWERS, RALPH W. (A'33-VA'39), Lt. Cmdr., USN, Retired, Box 2148, San Diego 12, Calif.

 BOWERS, RICHARD S. (SM'59), Project Engr., Radiation, Inc., Instrumentation Div., Box 2040, Pinecastle Branch, Orlando, Fla.
- BOWERS, THOMAS N. (S'53-A'55), Sr. Engr., Central Illinois Public Service Co., Illinois Bldg., Springfield, III.
- BOWERS, WILLIAM A. (M'59), Electron Tube Dev. Engr., Raytheon Mfg. Co., Waltham, Mass. BOWERS, WILLIAM E. (A'54), Physicist, Schlumberger Well Surveying Corp., 5000 Gulf Freeway, Houston 27, Tex.
- BOWERSOX, FRANKLIN L. (M'57), Test Equipment Engr., Bendix Prods. Div., Missiles, 400 S. Beiger St., Mishawaka, Ind.

- waka, Ind.

 BOWES, HENRY N. (SM'55), Head, Systems Application Sect., Electric Boat Div., Groton, Conn.

 BOWES, JOHN D. (M'5B), Project Engr., Philco Corp., 3B75 Fabian Way, Palo Alto, Calif.

 BOWHILL, SIDNEY A. (M'56-SM'5B), Asst. Prof., Elec. Engrg., Pennsylvania State Univ., University Park, Pa.

 BOWIE, DONALD L. (S'57-M'59), Project Engr., Aviation Div., Sundstrand Machine Tool Co., 2421 11 St., Rockford, III.
- BOWIE, DUNCAN M. (M'57), Staff Engr., AGA Corp., 1914
- OUNC AN M. (M'57), Staff Engr., AGA Corp., 19
 Ouke St., Alexandria, Va.
 BOWIE, PETER G. (S'57-M'58), Engr., Bell Tel. Co. of
 Canada, 1060 University St., Montreal, P. Q., Canada.
 BOWIE, ROBERT M. (A'34-M'37-SM'43-F'4B), V.P.,
 Research Labs., Sylvania Elec. Prods., Inc., Bayside,
 L. M. Y. DOWIE
- BOWIE, RONALD L. (S'49-A'51), Electronics Engr., San Francisco Naval Shiayard, Hunters Point, San Francisco, Calif.
- Calif.

 BOWIE, W. STUART (A'47-SM'47), Specialist, Operations Research, GE Co., Owensboro, Ky.

 BOWIE, WILLIAM G. (SM'49), Geni. Methods Engr., New York Telephone Co., 15B State St., Albany, N.Y.

 BOWKER, IRA H. (A'54), Staff Engr., Systems Engrg. Office, Directorate of Labs., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 BOWKER, JOHN D. (A'55-M'59), Research Engr., RCA, Princeton, N. J.
- BOWKER, MILES W. (A'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. BOWLBY, ROBERT E. (S'56-A'5B), USCG Training Sta., Groton, Conn.
- BOWLER, DAVID L. (S'48-A'50-S'50-A'52-M'54), Asst. Prof., Elec. Engrg., Swarthmore College, Swarth-more, Pa.
- BOWLER, GORDON E. (M'45-SM'50), Mgr., Reliability Lockheed Missiles & Space Div., Box 504, Sunnyvale, Calif
- Calif.

 BOWLER, JOSEPH A. (A'46-M'55), Field Engr., Gilfillan Bros., Inc., 1B15 Venice Blvd., Los Angeles 6, Calif.

 BOWLES, CARL H., JR. (S'33-A'55), Engr., Collins Radio Co., Cedar Rapids, Iowa'2.

 BOWLES, EDWARD L. (A'22-M'28-SM'43-F'49), Consulting Engr., 15 Greylock Rd., Wellesley Hills, Mass.

 BOWLES, KENNETH L., (S'51-A'55), Physicist, Natl Bureau of Standards, Central Radio Propagation Lab., Boulder, Colo.
- Ourean of Standards, Central Radio Propagation Lab., Boulder, Colo.

 BOWLES, LEO T., JR. (S'48-A'50-M'52-SM'58), Prod. Sales Mgr., Industrial & Military Receiving Tubes, GE Co., 31,9 9 Ave., Owensboro, Ky.

 BOWLES, LEONARD W. (S'52-M'57), Instr., Univ. of Main, Orono, Me.

 BOWLES, MALCOLM K., JR. (S'54-M'57), Elec. Engr., Lockheed Aircraft Corp., Marietta, Ga.

 BOWLES, MARVIN E. (M'48), Consulting Electronics Engr., 1217 Laguna, Farmington, N. M.

 BOWLEY, RAYMOND J. (A'35-VA'39-M'55), Dir., Audio-Video Engr., Western Colo. (M'56), Research Engr., No. Amer. Aviation, Chatsworth, Calif.

 BOWLING, JOHN C. (M'57), Project Engr., Crosley Div., Avco Mfg. Co., 1329 Arlington St., Clincinnati 25, Ohio.

 BOWLING, RAYMOND E. (S'57-M'5B), 13-2 N. Univer-

- BOWLING, RAYMOND E. (S'57-M'5B), 13-2 N. University Pl., Stillwater, Okla.

 BOWLING, WILLIAM P. (S'51-A'53-M'56), Asst. Engr.,
 Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 5, Tex.
- BOWLUS, MONIER A. (M'57), Elec. Engr., U.S. Science Div., Topp Industries, Inc., 5221 W. 102 St., Los Angeles 45, Calif.
- BOWMAN, BRICE M. (M'5B), Engrg. SpecialIst, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio. BOWMAN, D. SCOTT (M'54), Electronic Sales, Mgr., Car-borundum Co., Niagara Falls, N.Y.

- BOWMAN, DAVIO F. (S'42-A'44-M'46-SM'52), Engr.-in-Chg., R-F Design & Oev. Dept., I.T.E., Circuit Breaker Co., 601 E. Erie Ave., Philadelphia 34, Pa. BOWMAN, DEAN C. (S'53-A'55), Engr., GE Co., Syra-cuse, N.Y.
- Cuse, N.Y.

 BOWMAN, DONALO C. (M'56), Instrument Dev. Engr.,
 Sinclair Research Labs., Inc., 801 N. Gillette, Tulsa,
 Okla.

- Okla.

 Okla.

 BOWMAN, OONALD P. (S'54-M'56), Elec. Engr., Bendix Radio Div., Towson 4, Md.

 BOWMAN, HORACE A. (A'50-M'55), Physicist, Natl. Bureau of Standards, Washington, D.C.

 BOWMAN, JESSE Y. (S'42-A'44-M'55), Program Mgr., Autonetics Div., No. Amer. Aviation, Downey. Calif. BOWMAN, JOHN E. (A'53), Production Analyst, Nems-Clarke Co., 919 Jessup Blair Or., Silver Spring, Md.

 BOWMAN, JOHN R. (SM'54), Assoc. Dean, The Technological Institute, Northwestern Univ., Evanston, III.

 BOWMAN, JOHN W. (A'55), Electronics Packaging Engr., Raytheon Mfg. Co., Andover, Mass.

 BOWMAN, LESTER H. (A'37-M'45-SM'50), Dir., Tech. Operations, CBS, 7B00 Beverly Blvd., Los Angeles 36, Calif.

- Calif.

 BOWMAN, ROBERT L. (SM'57), Medical Dir., Natl. Heart Institute, Bethesda, Md.

 BOWMAN, SAMUEL T. (A'57), 127 W. Summit Ave., Haddonfield, N.J.

 BOWMAN, W. GENE (S'53-A'55-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BOWMAN, W. LLIAM B. (A'47), Sr. Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 BOWMAN, WILLIAM W. (S'56-M'57), Assoc. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 BOWN, RALPH (M'22-F'25)(L), 85 Pine St., Millburn, N.J.
- N.J., BOWNE, JOHN C. (S'54-M'57), Line Officer, USN, USS Helena (CA-75), FPO, San Francisco, Calif. BOWNE, WILLIAM L. (4'41-M'4B), Owner, Mgr., Aero-conomy Agency, Box 1001, Schenectady, N.Y.
- Conomy Agency, Box 1001, Schenectary, N.Y.
 BOWNESS, COLIN (M57), Tech. Dir., Special Microwave
 Device Group, Raytheon Mfg. Co., Waltham 54, Mass.
 BOWYER, JOHN M. (S'56-M'58), 368 Iredell St., Akron
 10, Ohio.
 BOWYER, KERN M. (A'51), Electronics Engr., E. I. du
 Pont de Memours & Co., Inc., Experimental Sta., Engrg.
 Research Lab., Wilmington 9B, Del.

- NOWYER, LLOVD R. (S'5B-M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J. BOX, FRANCIS M. (S'49-A'50), Dir., Guidance & Control, Air Force Ballistic Missile Div. & Dev., Air Force Unit P.O., Los Angeles 45, Calif.
- BOXER, RUBIN (S'49-A'49-M'55), Staff Engr., Servo-
- BOXER, NOBIN 10 497-449-M1307, Start Engr., Servo-mechanisms, Inc., Goleta, Calif. BOXER, VICTOR (M153), Electronics Engr., U.S. Army Signal Engry. Labs., Belmar, N.J. BOXX, JAMES P. (A153-M154), Engr., GE Co., Owensboro,
- BOYAJIAN, ARAM (SM'53), Professional Consulting Engr. & Registered Patent Agent, 55 Stratford Ave., Pittsfield,
- Mass BOYAJIAN, JAMES A. (M'41-SM'43), Consulting & Research Engr.; Pres., Prod. Mfg. & Engrg. Co., 20 Dover St., Golf, III.
- BOYAJIAN, MARY M. (A'51), Technician, Burroughs Re-search Center, Paoli, Pa.
- BOYCE, HAROLD K. (A'56), Engr., GE Co., Syracuse 1,
- N.Y.

 BOYCE, JOHN (S'49-A'50-M'55), Deputy Program Mgr., Genl. Precision Lab., Inc., Pleasantville, N.Y.

 BOYCE, WILSON E. L. (A'52-M'57), Sr. Electronics Group Engr., Convair., San Diego 7, Calif.

 BOYCHENKO, OLEG (M'55), Dev. Engr., ITT Labs., Nutley 10, N.J.

 BOYCHUK, BOHDAN (S'56-M'57), Engr., ITT Labs., Nutley 10, N.J.

 BOYCHUK, BOHDAN (C'04/59), Project Engr., 350, Right BOYCKS, EDWARD (C. 04/59), Project Engr., 350, Right BOYCKS, EDWARD (C. 04/59), Project Engr., 350, Right

- Nutley 10, N.J.
 BOYCKS, EDWARD C. (M'59), Project Engr., 350 Birch
 Dr., Roselle, N.J.
 BOYD, ALERED H. (S'56-M'58), Engr., Army Electronics
 Proving Grounds, Ft. Huachuca, Ariz.
 BOYD, BEMROSE (M'45), Research Assoc., AC Spark
 Plug Div., 1925 E. Kenilworth Pl., Mil'Maukkee 2, Wis.
 BOYD, CHARLES R., JR. (M'58), Engr., Microwave Dev.,
 GE Co., Syracuse, N.Y.
- GE Co., Syracuse, N. Y.

 BOYD, CHARLES S. (A'59), Sales Engr., John A. Green
 Co., 711B Envoy Ct., Dallas 35, Tec.
 BOYD, CLARENCE H. (A'53-M'58), Elec. Engr., The
 Filtron Co., 131-15 Fowler Ave., Flushing, L. I., M. Y.
 BOYD, DAVID M., JR. (SM'57), Head, Instrument Dept.,
 Universal Gil Prods., 30 Algonquin Rd., Des Plaines, III.
 BOYD, DAVID R. (S'54-A'55), Research Engr., GMC,
 30000 Mount Rd., Warren, Mich.
 BOYD, EVERETT A. (S'48-A'53-M'59), 129 4 Ave.,
 Haddon Heights, N. J.
 BOYD, GARY M. (M'58), Scientific Officer Defence Research
 Bd., Defence Research Telecommunication Est., Ottawa,
 Ont., Canada.

- BOYD, GEORGE M. (S'49-A'50-M'58), Elec. Engr., Admiral Corp., 3800 Cortland St., Chicago 47, III.

- miral Corp., 3800 Cortland St., Chicago 47, III.

 BOYD, HUGH R. (SM'54), Asst. Mgr., Research Div.,
 Raytheon Mfg. Co., Waltham, Mass.

 BOYD, JRBY H. (M'56), TV Transmitter Supvr., WREC-TV,
 Peabody Hotel, Memphis, Tenn.

 BOYD, JAMES C. (M'46-SM'49), Exec. V.P., Electronics
 of Clearfield, Box 792, Clearfield, Pa.

 BOYD, JAMES E. (SM'51), Dir., Engrg. Experiment Sta.,
 Georgia Institute of Technology, Atlanta 13, Ga.

 BOYD, JAMES E. (A'54), Sr. Engr., Components Engrg.,
 Westinghouse Elec. Corp., Air Arm Div., Baltimore 3,
 Md.

 BOYD, JAV C. (A'45), 6627 Hawvenhurst Ave., Van Nuys
- BOYD, JAY C. (A'45), 6627 Hayvenhurst Ave., Van Nuys, Calif.
- Calif.

 BOYD, JOSEPH A. MM'52), Dir., Willow Run Labs., Univ. of Michigan, Box 2008, Ann Arbor, Mich.

 BOYD, LAWRENCE E. (S'54-M'58), Engr., Electronics Lab., GE Co., Syracuse, N.Y.

 BOYD, LOWELL K. (A'43-SM'49), Communication Supt. & Asst. to V.P., Operations, Caribbean Atlantic Airlines, Inc., Box 6035, San Juan, Puerto Rico.

 BOYD, MALCOLM R. (S'50-A'52-M'57), Mem. Tech. Staff, GE Co., Research Lab., Schenectady, N.Y.

BOY-BRA - 103 -

- BOYD, PAUL C., JR. (M'56), Component Standards Supvr., Aeronautical Equipment Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- Neck, L.I., N.Y.
 BOYD, RAYMOND L. (M'55), V.P. & Dir., Engrg., KNOE & KNOE-TV, KNOE Rd., Monroe, La.
 BOYD, RICHARD C. (S'46-A'49-M'55), Transmission Systems Engr., Bell Tel. Labs., Murray Hill, N.J.
 BOYD, RICHARD K. (S'50-A'51-M'56), Engrg. Sect. Head, Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
- Strömberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Ý. BOYD, RICHARD V. (M'59), 103-A Fowler, China Lake, Calif.
 BOYD, ROBERT M. (A'57), Transmitter Supvr., WFLA-AM-FM-TV, 905 Jackson, Tampa, Fla.
 BOYD, THOMAS J., JR. (A'49), Physicist, Univ. of California, Los Alamos Scientific Lab., Los Alamos, N.M.
 BOYD, WILLIAM L. (M'56), Installation Engr., USAF, Oklahoma City Air Material Area, Tinker AFB, Oklahoma City, Okla.
- Okla.

 BOYD, WILLIAM L. (A'54), Consultant in Electronic Data
 Processing, William L. Boyd & Associates, 246 E.54 St.,
 New York 22, N.Y.
- New York 22, N.Y.
 BOYDA, MITCHELL C. (A'46), Chief Technician, RCA Service Co., Inc., 16326 Harper Ave., Detroit 13, Mich.
 BOYDSTON, MARVIN C. (S'57-A'59), Customer Engr., IBM,
 590 Madison Ave., New York 22, N. Y.
 BOYENS, ROBERT D. (A'50-M'55-SM'5B), Dev. Engr., ITT
 Labs., Nutley 10, N.J.
- BOYER, BRUCE E. (S'41-A'44-M'49-SM'59), Engrg. Specialist, Sylvania's Electronic Defense Lab., Box 205, Mountain View. Cattle
- cialist, Sylvania tain View, Calif.
- BOYER, DEAN W. (S'54-A'57), Electronics Technician, Kigu's Music & Electric, 407 Poyntz, Manhattan, Kim BOYER, FRANK A. (SM'5B), Telephone Works Rep., GE Co., Ltd., Box 203, Singapore.
- BOYER, J. THOMAS (M'57), Design Engr., RCA, Harrison,

- N.J.

 BOYER, J. HOMAS (M. 7), Cestyn:

 BOYER, JOHN L. (S'41-A'44-M'55), Engrg. Mgr., Rectifier
 Dept., Westinghouse Elec. Corp., 700 Braddock Ave., East
 Pittsburgh 21, Pa.

 BOYER, MARTEL J. (S'5B-A'59), San Felipe Lodge, Salton
 Sea Test Base, Westmorland, Calif.

 BOYER, NORMAN W. (S'56-A'58), Electronics Technician,
 Lansdale Tube Co., Lansdale, Pa.

 BOYER, ROBERT M. (S'51-A'57), Lab. Technician, Bendix
 Aviation Co., York, Pa.

 BOYER, ROLLA J. (M'56), Sales Engr., Raybestos-Manhattan, Inc., 4651 Pacific Blvd., Los Angeles, Calif.

 BOYER, WESLEY D. (S'56-M'5B), Research Engr., Ford
 Motor Co., Research & Engrg. Center, 2000 Rutunda Dr.,
 Dearborn, Mich.

 BOYER, WILLIAM H. (A'47), Elec. Tester, GE Co., Home:

- Motor Co., Research & Engrg. Center, 20000 Rolunda Dr., Dearborn, Mich.
 BOYER, WILLIAM H. (A'47), Elec. Tester, GE Co., Home: 127 N. Oxford St., East York, Pa.
 BOYER, WILLIAM J. (S'49-A'51-M'56), Research Engr., Natl. Aeronautics & Space Administration, Langley Research Center, Langley Field, Va.
 BOYERS, J. S. (M'45-SM'52), Mgr., Engrg., Bell Sound Div., Thompson Ramo Wooldridge, Inc., 555 Marion Rd., Columbus 7, Ohio.
 BOYHAN, JOHN W. (S'52-A'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.
 BOYKIN, CURTIS R. (M'5B), Engr., Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore 27, Md.
 BOYKIN, JOHN R. (SM'54), V.P., Field Service & Support Div., Hughes Aircraft Co., Culver City, Calif.
 BOYKIN, JOHN R. (SM'51), Advisory Engr., Westinghouse Elec. Corp., Box 1B97, Baltimore 3, Md.
 BOYKIN, THOMAS R., JR. (S'57-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 BOYKO, LEO L. (A'59), Electronics Technician, Federal Electric Co., Paramus, N. J.
 BOYLAN, RALPH P. (S'55-M'56), IBM, ACL, Owego, N.Y.
 BOYLE, DATES (A'47), Librarian, Sr. Instr., Dept. of Special Studies, RCA Institutes, Inc., 350 W. 4 St., New York Standards, Washington D. C.

- 14, N.Y.

 BOYLE, DON R. (S'57-M'59), Elec. Engr., Natl. Bureau of Standards, Washington, D.C.

 BOYLE, DONALD A. (S'50-A'51-M'56), Jr. Engr., Raytheon Mfg. Co., Wayland, Mass.
 BOYLE, GERARD G. (S'43-A'45-M'55), Eastern Area Mgr., Micro Switch, Div. of Minneapolis-Honeywell Regulator Co., 24-30 Skillman Ave., Long Island City, 1, N.Y.

 BOYLE, HOMER G. (A'41), Tech. Staff, Crosley Div., Avco Mfg. Corp., Glendale-Milford Rd., Evendale, Ohio. BOYLE, HUGH (A'46-M'53), Lecturer, Poplar Tech. College, Poplar High St., Poplar, London E. 14, England.

 BOYLE, JOHN A. (M'57), Chief Cryotographic Requirements Branch, DCS Communications, Airways & Air Communications Service, Scott AFB, Ill.

 BOYLE, JOHN M. (S'49-A'50-M'54). Electronice Fngr.

- BOYLE, JOHN M. (S'49-A'50-M'54), Electronics Engr., U. S. Naval Ordnance Test Sta., Inyokem, China Lake, Calif.
- Calif.

 BOYLE, JOSEPH M. (M'5B), Field Engrg. Mgr., Waterman Prods. Co., Philadelphia, Pa.

 BOYLE, RICHARD J. (S'55-M'5B), Project Administrator, Minneapolis-Honeywell Regulator Co., 600 2 nd St., N., Hopkins, Minn.

 BOYLE, STEPHEN R. (M'57), Mem. Tech. Staff, GE Co., 735 State St., Santa Barbara, Calif.

 BOYLES, ALLEN E. (M'5B), Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

- Lemmon Ave., Dallas 9, Tex.

 BOYLES, CHARLES W. (A'53), Electronics Engr., Instr., Westinghouse Elec. Corp., Box 1B97, Baltimore 3, Md.

 BOYLES, GORDON W. (S'57-M'59), Jr. Engr., Radiation, Inc., Box 2040, P.C. Br., Orlando, Fla.

 BOYLES, JOSEPH O. (A'51-M'56), Components Engr., Bendix Avsalian Corp., 95 & Troost St.s., Kansas City, Mo.

 BOYLL, LEONARD O. (A'40), Tech. Writer, Teletype Corp., 1400 Wrightwood, Chicago, III.

 BOYMEL, BERNARD R. (J'35-A'37-SM'47), Project Mgr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 BOYNTON, HENRY W. (A'57), Engr., Philico Corp., 4700

 Wissahickon Ave., Philadelphia 44, Pa.

 BOYNTON, MENTWORTH D. (M'45), Asst., Supt., Engrg.,

- Wissahickon Ave., Printaterinia 49, 74.
 BOYNTON, WENTWORTH D. (M*5B), Asst. Supt., Engrg.,
 Western Electric Co., Marron & Vine, Laureldale, Pa.
 BOYS, HERBERT N. (5*52-A*55), Design Engr., GE Co.,
 319B Chestnut St., Philadelphia 4, Pa.
 BOYS, JOHN A. (SM*56), Research Engr., Boeing Airplane
 Co., Box 707, Renton, Wash
- BOYSEN, ALBERT P., JR. (M'56), Bell Tel Labs., Whippany, N.J.

- BOYSEN, JOHN A. (S'49-A'51-M'55), Digital Circuit Dev. Group Leader, Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif.
- BOYSON, CARL V. (A'52), Tech. Sect. Head, ITT Labs., Nutley 10, N.J.

- Nutley 10, N.J.

 BOYTZ, JAMES R. (M'57), Dev. Engr., Sperry Gyroscope
 Co., 294 Commercial, Sunniyvale, Calif.

 BOZAK, R. T. (A'42-5M'52), Pres., The R.T. Bozak Mfg.
 Co., Box 1166, Darlen, Conn.

 BOZARDT, WILTON R. (S'54-A'56), Mgr., Timing/Telemetry,
 RCA Service Co., Patrick AFB, Fla.

 BOZE, JAMES L. (A'51), Radio Dispatcher, Tacoma Police
 Dept., 421 S. Tacoma Ave., Tacoma 2, Wash.
- Dept., 421 S. Tacoma Ave., Tacoma 2, Wash.
 BOZER, RUCHAN (S'57-M'5B), Dev. Engr., Boonton Radio
 Cop., Intervale Rd., Boonton, N.J.
 BOZNWICK, GEORGE E. (A'50-M'55), V.P., R.P. Luce &
 Co., Inc., 1300 Jericho Tpke., New Hyde Park, L.I., N.Y.
 BOZDIAN, MICHAEL (A'46-M'5B), Supvr., Electro-Mech.
 Ford Motor Co., 21500 Dakwood, Dearborn, Mich.
- BRAAM, RICHARD M. (S'57-M'59), 2531 Pierpoint Blvd.,
- Ventura, Calif.

 BRAATEN, ARTHUR M. (A'27-M'38-SM'43), Research
 Engr., RCA Labs., 140 Lake Ave., Riverhead, L.I., N.Y.
 BRABANT, CHARLES E. (S'52-A'54), Sales Rep., ElectroData Corp., 319 Fisher Bldg., Detroit 2, Mich.
 BRACCINI, SIRIO M. (A'56), Ass., Chief, Radio Installation,
 Pan American Airways, Inc., San Francisco, Calif.
 BRACCO, DONATO J. (M'51), Mgr., Planning, Central Research Labs., Sylvania Elec., Prods., Inc., Bayside 60,
 I.I., N.Y.
 BRACE LADDY L. (MACO)

- I.I.N.Y.
 BRACE, LARRY H. (A'49), Physicist, Research Institute,
 Univ. of Mich., Ann Arbor, Mich.
 BRACEWELL, RONALD N. (SM'56), Assoc. Prof., Radio
 Propagation Lab., Stanford Univ., Stanford, Calif.
 BRACH, J. PETER, JR. (M'56), Assoc. Engr., Westinghouse
 Elec. Corp., Box 1897, Baltimore 3, Md.
- EIEC. Copp., Box 1897, Baltimore 3, Md.
 BRACHA, MARION F. (S.'54A-'55), Electronics Engr., Stewart Warner Electronics, 1300 N. Kostner Ave., Chicago, III.
 BRACHMAN, MALCOLM K. (M'53-SM'55), Pres., Northwest
 Oil Co., 2237 Republic Bank Bldg., Dallas 1, Tex.
 BRACHMAN, RAYMOND J. (S'46-A'4B-M'55), Sr. Project
 Leader, Frankford Arsenal, Bridge & Tacony St., Philadelphia 37, Pa.
- phia 37, Pa.

 BRACK, WERNER (M'56), Chief Engr., Eldico Electronics
 Div., REL, 29-01 Borden Ave., Long Island City, N.Y.

 BRACKBILL, CLETUS R. (SM'53), Tube Design Engr., RCA,
 New Holland Ave., Lancaster, Pa.

 BRACKEEN, TRAVIS W. (S'52-M'56), Electronics & Ground
 Control Officer, USN (GMGRU-2), NAS, Chincoteague, Va.
- BRACKEN, JOHN F. (A'43-M'55), System Distribution Commonwealth Edison Co., 1319 S. 1st Ave., Maywood

- III.

 BRACKEN, JOHN R. (A'47-M'55), Dir., Data Processing Facilities Div., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 BRACKEN, THOMAS C. (A'54), Staff Supvr., New York Telephone Co., 32-02 Queens Blvd., Long Island City, N.Y.

 BRACKEN, WILLIAM B. (S'58-A'58), Electronics Specialist, FAA Natl. Airport, Washington, D.C.

 BRACKEN, WILLIAM H. (A'54-M'57), Electronics Engr., Motorola, Inc., B2012. McDowell Rd., Phoenix, Ariz.

 BRACKETT, CLYDE R. (S'54-M'58), Elec. Engr., Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul 4, Minn.

 BRACKETT, HAROLD H. (A'22-VA'39-M'55(L). Retired.
- RANG UNIVAC, 1902 W. Millerland Are., 3.1 Tal. 7, Miller, RED 1, Limerick, Me.
 BRACKETT, JAMES J. (S'55-A'57), Field Engr., Electro-Data Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.

- dena, Calif.

 BRACKETT, MORTON (A'5B), Field Engr., Nuclear Prods.,
 Erco Div., ACF Industries, Inc., Riverdale, Md.

 BRACKETT, RICHARD T. (A'45-M'55), Electromagnetics
 Div., USN Electronics Lab., San Diego 7. Calif.

 BRACKMANN, W. J. (M'46-SM'56), Sect. Head, ElectroMech. Research, Inc., Box 3041, Sarasota, Fla.

 BRACKNEY, KENNETH H. (S'55-M'5B), Elec. Engr., GE
- BRACKNEY, KENNETH H. (535-M 57), Fleet. Limit, GEC., Syracuse, N.Y.

 RAADBURD, ERVIN M. (A'43-M'55), Mgr., Advanced Dev.,

 RCA, 75 Varick St., New York 13, N.Y.

 RAADBURN, JAMES R. (SM'55), V.P. & Genl. Mgr., ElectroData Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.
- RADBURY, Durrougns Corp., 46U Sierra Madre Villa, Pasadena, Calif.

 BRADBURN, RALPH C., JR. (A'57), Engr., Defense Electronics Prods., RCA, Camden 2, N.J.

 BRADBURN, WILBERT C. (S'53-M'56), Assoc. Engr., Boeing Airplane Co., 1734 E. Marginal Way, Seattle BB, Wash.

 BRADBURY, JOSEPH T. (M'53), Liaison Engr., Hastings Raydist, Inc., Hampton, Va.

 BRADBURY, LAWRENCE D. (A'55), Electronics Technician, Radiation, Inc., 501 Commonwealth, Orlando, Fla.

 BRADBURY, RUDOLPH A. (S'4B-A'50-M'56), Electronics Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 BRADBURY, W. COLIN (S'56-M'57), Systems Planning Engr., Canadian Electronics, Ltd., 107 Ave. at 109 St., Edmonton, Alta., Canadia.

 BRADDOCK, EDWARD (M'59), Sales Rep.. Box 305. Haddon-

- Arta., Janaga.

 BRADDOCK, EDWARD (M'59), Sales Rep., Box 305, Haddonfield, N.J.

 BRADDOCK, ROBERT C. (A'52-M'57), Design Engr., Electro-Span Dept., Bendix Aviation Corp., 11600 Sherman
 Way, North Hollywood, Calif.

 Way, North Hollywood, Calif.
- BRADEN, JOHN R. (5'49-A'50-M'55), Head, Elec. Design Group, Computer Dept., Hughes Aircraft Co., Fullerton, Calif. BRADEN, PAUL F. (A'43), Owner & Radio Broadcast Engr., WPFB, Central Ave., Middletown, Ohio & WPAY, Portsmouth, Ohio.
- BRADEN R. A. (A'32-VA'39-SM'51), Engr., RCA Labs., Princeton, N.J.
- Princeton, N.J.
 BRADEN, RAY S. (A'54), Design Engr., Bomac Labs., Inc.,
 Salem Rd., Beverly, Mass.
 BRADEN, WILLIAM V. (A'47), Sr. Dev. Engr., Electronics,
 Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15,
 Ohio.
- Unio.

 BRADER, GERALD F. (A'5B), Quality Control Enor., Western Electric Co., Marian & Vine Sts., Laureldale, Pa.

 BRADFORD, CARROLL W. (S'49-A'51-M'55), Research & Dev. Engr., Dalmo Victor Co., 1414 El Camino Real, San
- BRADFORD, CHARLES E. (S'42-A'44-M'55), Mem. Tech. Staff, Bell Tel. Labs., 555 Union Blvd., Allentown, Pa.

- BRADFORD, DEAN C. (A'45-M'55), Assoc. Lab. Dir., Electron Tube Div., ITT Labs., Nutley 10, N.J.
 BRADFORD, FREEMAN H. (A'55), Publications Group Head, Collins Radio Co., Cedar Rapids, Iowa.

- BRADFORD, GUY E. (S'56-M'57), Rte. 1, Box 1056, Melbourne, Fla.
 BRADFORD, HENRY K. (A'3B-M'45), Project Engr., American Machine & Foundry Co., 1025 N. Royal St.,
- Alexandria, Va.

 BRADFORD, JOHN R., JR. (S'55-M'59), Elec. Engr.,
 Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9,
 Tex.

- Tex.

 BRADFORD, WILLIAM C. (S'51-A'54), Electronics Engr., Naval Ordnance Lab., Corona, Calif.

 BRADFORD, WILLIAM O. (M'50-SW55), Electronics Engr., Pacific Missile Range, Point Mugu, Calif.

 BRADFORD, WILLIAM R. (M'56), Sr. Electronics Engr., Pacific Missile Range, Point Mugu, Calif.

 BRADFORD, WILLIAM R. (M'56), Sr. Electronics Engr., Convair, San Diego 20, Calif.

 BRADFUTE, GEORGE A., JR. (S'53-A'54), Engr., Sperry Farragut Co., Bristol, Tenn.

 BRADIE, MITCHEL E. (S'55-M'5B), Asst. Engr., Western Electric Co., Winston-Salem, N.C.

 BRADLEY, BENJAMIN C. (M'56), Elec. Design Draftsman, Tennessee Coal & Iron Div., U.S. Steel Corp., Fairfield, Ala.

 BRADLEY, RENJAMIN E. (M'56), Elec. Design Draftsman, BRADLEY, RENJAMIN E. (M'56), Elec. Design Draftsman, Ala.
- BRADLEY, BENJAMIN F., JR. (M'56), Engr., New York Telephone Co., 15B State St., Albany, N.Y. BRADLEY, C. LAWRENCE (M'57), Research Engr., MIT, Cambridge 39, Mass.
- Cambridge 39, Mass.
 BRADLEY, DAVID K. (S'56-M'5B), Design Engr., Raytheon
 Mfg. Co., Box 636, Santa Barbara, Calif.
 BRADLEY, DON J. (S'57-M'5B), Lt., Canadian Army,
 Royal Canadian Sigitals, vinny Barracks, Kingstun, Ont.,
 Canada.
- Canada .

 BRADLEY , DONALD J. (S'52-A'53-M'56) , Engr. , Sanders Associates , Inc. , 95 Canal St. , Nashua , N.H.

 BRADLEY , EDWIN J. (A'52) , Sales Mgr. , California Technical industries , 1421 Old County Rd. , Belmont, Calif.

 BRADLEY , EMMETT H. (A'51-SM'55) , Asst. to Chief Engr. , Melpar, Inc. , 3000 Arlington Blvd. , Falls Church , Va.
- Va.

 BRADLEY, FRANK R., JR. (M'52), Pres., Bradley Associates, 215 W. B8 St., New York 24, N.Y.

 BRADLEY, GEORGE G. (M'45), Reliability Supwr.,
 Sylvania Electronic Systems, 189 B St., Needham 94,
 Mass.
- BRADLEY, HERBERT L. (S'52-A'54-M'5B), Engr., Western Electric Co., 1600 Osgood St., North Andover, Mass.
- Mass.

 BRADLEY, HUGH E. (S'55-M'5B), Engr., Sperry Gyroscope Co., Great Neck, L.I., M.Y.

 BRADLEY, JACK (S'55-M'57), Motorola, Inc., B330 Indiana Ave., Riverside, Calif.

 BRADLEY, JACK L. (A'49-SM'56), Mgr., Avionics, Missile Div., No. Amer. Aviation, Downey, Calif.

- Missile Div., No. Amer. Aviation, Downey, Calif.
 BRADLEY, JAMES O. (S'55-M'59), 353B Keystone,
 Los Angeles 34, Calif.
 BRADLEY, JERRY W. (S'5B-M'59), Electronics Engr.,
 NATC, Patuxent River, Md.
 BRADLEY, JOHN H. (A'51-SM'59), Head, Instrument Sect.,
 Defence Research Board D.R.T.E. Labs., Shirley's Bay,
 Ottawa, Ont., Canada.
 BRADLEY, JOHN J. (S'47-A'50-SM'57), Lt. Cmdr.,
 USN, Navy Sect., MAAG Japan, APO 500, San Francisco, Calif.
 BRADLEY, JOHN L. (A'5B), Asst. Sales Mgr., Kaar
- Cisco, Calif.

 BRADLEY, JOHN L. (A'5B), Asst. Sales Mgr., Kaar Engr. Corp., 2995 Middlefield Rd., Patto Alto, Calif. BRADLEY, KENNETH M. (A'57), Lab. Engr., M. B. Mfg. Co., 1060 State St., New Haven, Corn. BRADLEY, MAURICE V. (A'5B), Federal Electric Corp., Montreal Airport, Montreal, P. Q., Canada.

 BRADLEY MCKAY R. (M'55), Supyr., Electron Tube Fabrication Sect., Diamon1 Ordnance Fuze Labs., Washington, D.C.
- BRADLEY, RICHARD E. (M'55), Engr., Burroughs Corp.,
- BRADLEY, ROBERT T. (S'53-A'54), Engr., Canadian Natl. Telegraphs, 151 Front St., W., Toronto 1, Ont.,
- Canada
 BRADLEY, ROGER W. (A'54), Design Engr., Burroughs
 Corp., 4100 Plymouth Rd., Plymouth, Mich.
 BRADLEY, SHIRLEY R. (M'59), Sr. Engrg. Writer, Litton
 Industries, 4910 Calvert Rd., College Park, Md.
 BRADLEY, WILLIAM E. (SM'45-F'53), Dir., ResearchTech., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- BRADLEY, WILLIAM E. (A'51-M'5B), Project Engr., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44,
- BRADLEY, WILLIAM H. (M'53), V.P., Mktg., Scientific-Atlanta, Inc., 2162 Piedmont Rd., N.E., Atlanta 9, Ga. BRADLEY, WILSON, JR. (M'57), Genl. Mgr., Endevco Corp., 161 E. California St., Pasadena, Calif.
- Corp., 161 E. California St., Pasadena, Calif. BRADMILLER, RICHARD W. (4'54), Staff Engr., Martin Co., Box 5B37, Orlando, Fla. BRADSHAW, DONALD B. (4'43-M'55), Test Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass. BRADSHAW, GEORGE V., JR. (4'47-M'55), Mgr., Mech. Co-ordination, Surface Communications Engro., Defense Electronic Prods. Div., RCA, Camden, N.J. BRADSHAW, HAROLD B. (M'56), Asst. Project Engr., Douglas Aircraft Co., 3000 Ocean Park Bivd., Santa Monica, Calif. RRADSHAW, JOHN L. (4'53-M'57), Sr. Elec. Engr.,

- BRADSHAW, JOHN L. (A'53-M'57), Sr. Elec. Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44,
- PA.

 BRADSHAW, RICHARD L. (S'49-A'51-M'56), Dev. Engr., Oak Ridge Natl. Lab., Box P, Oak Ridge, Tenn.

 BRADSKI, MORTON (M'5B), Tech. Dir., Radar & Electronics Div., U. S. Army Electronics Proving Ground, Ft.

 Huachuca, Ariz.
- Muachuca, Ariz.

 BRADSPIES, SYDNEY (5'50-A'54), Engr., Sylvania Elec. Prods., Inc., 189 B St., Needham, Mass.

 BRADT, ALBERT J. (A'52-M'56), Engrg. Supvr., Martin Co., Box 179, Denver 1, Colo.

 BRADT, G. CHRISTIAN. (M'5B), Electronics Engr., Sloan Kettering Institute for Cancer Research, 410 E. 6B, New York 21, N.Y.
- BRADY, CHARLES E. (M'56), Engrg. Staff Consultant, Lehigh Engrg. Associates, Inc., 295 Plane St., Newark, N.J.

- BEADY, CHARLES L. (M'52-SM'53), Maj., USM/CR., CO., Comm. Co., 8th Comm. Br., FMF, Camp Lejeune, N.C.
- RRADY, DONALD J. (A'52-M'56), Consulting Engr., 12 Lathrop Rd., Rte. 3, Clay, N.Y. BRADY, FRANK B. (A'37-SM'46), Mgr., Washington Office, Genl. Precision Lab., Inc., 777 14 St., Washington 5, D.C.
- BRADY, FRANKLYN H. (A'54), Sr. Engr., ITT Labs., 3702 E. Pontiac St., Ft. Wayne 4, Ind. BRADY, J. THOMAS (M'57), Engr., Sylvania Elec. Prods., Irc. Waltham, Mass.
- BRADY, JOHN A., SR. (A'51), Pres., Mgr., Lafourche Telephone Co., Inc., Box 139, Golden Meadow, La. BRADY, JOHN B. (A'20-M'29-SM'43), Lawyer & Con-sulting Engr., McLachlen Bldg., 10 & G St., N.W., Wash-Ington 1, D.C.

- ington 1, D.C.

 BRADY, JOHN F. (SM'52), Electro Mech. Engr., Daven Co., 530 W. Mt. Pleasant Ave., Livingston, N.J.

 BRADY, JOHN P. (S'55-M'57), Assoc. Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BRADY, JOHN P., JR. (S'51-A'54-SM'58), Project Engr., Sanborn Co., 175 Wyman St., Waltham 54, Mass.

 BRADY, LYNN J. (M'57), Dir., Solid State Physics Lab., Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J.

 BRADY, M. MICHAEL (S'53-M'56), Research Engr., Servomechanisms Lab., MIT, Cambridge 39, Mass.

 BRADY, MATTHEW E. (S'46-A'48-M'54), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.

 BRADY, PAUL B. (A'51-SM'53), Electronics Scientist.

- Angeles 45, Calif.

 BRADY, PAUL B. (A'51-SM'53), Electronics Scientist,
 Naval Air Development Center, Johnsville, Pa.

 BRADY, ROBERT F. (SM'49), Chief, Communications
 Branch Research & Dev. Div., Office of the Chief Signal
 Officer, U. S. Army, Washington 25, D. C.

 BRADY, ROY E. (SM'57), Exec. Engr., Airtron, Inc.,
 1101 W. Elizabeth Ave., Linden, N.J.

 BRADY, THERLYN L. (A'58), Documentor of Test Requirements & Procedures, Boeing Airplane Co., 7755 E.
 Marginal Way, Seattle 3, Wash.

 BRADY, THOMAS D. (A'54), Engr., Dian Labs., 611
 Broadway, New York, N.Y.

 BRADY, THOMAS J., JR. (S'54-A'55-M'57), Engr., RCA,
 Moorestown, N.J.

 BRAFMAN, HAROLD E. (A'47-M'54), Marg. Diag Plane

- BRAFMAN, HAROLD E. (A'47-M'54), Mgr., Pilot Plant, Mica Dept., Sprague Electric Co., Brown St., North Adams, Mass.
- Mass. BRAGA, FELIX J. (A'37-M'47), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. BRAGAR, PHILIP (M'57), Dept. Head, Engrg. Services, The Mitre Corp., Lexington 73, Mass. BRAGDON, JAMES H. (M'59), Wallworth Apts., Haddonfield, N.J.
- BRAGGINS, ROBERT D. (A'54), Sect. Head, Stromberg-Carlson Co., 1400 Goodman St., Rochester 9, N.Y. BRAGINTON, PETER R. (SM'58), Owner, Datatrol Co., 1201 Davis Bldg., Dallas 2, Tex.
- BRAHAN, JDHN W. (S'53-A'54), Asst. Research Officer, Natl. Research Council, Montreal Rd., Ottawa 2, Ont., Canada.
- BRAIDWOOD, DON W. (S'49-A'50-M'58), Electronics Dev. Engr., Well Surveys, Inc., 10700 E. Independence, Tulsa 20, Okla.
- BRAILEY, MARCEL L. (M'56), Sr. Research Engr., American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn.
- BRAIN, ALFRED E. (SM'56), Physicist, Engrg. Dept., Stanford Research Institute, Menlo Park, Calif. BRAIN, BERNARD (A'54), Chief Engr., ESC Corp., 534 Bergen Blvd., Palisades Park, N.J.
- Bergen Blvd., Palisades Park, N.J.

 BRAIN, M. DAVID (S'56-M'58), Assoc. Engr., Douglas Alircraft Co., Ocean Park Blvd., Santa Monica, Calif.

 BRAINARD, RICHARD R. (A'57), Mgr., Instrumentation Debt., Pioneer Electronic Supply Co., 2103 E. 21 St., Cleveland 15, Ohio.

 BRAINARD, TORY (S'57-A'58), Audio Engr., Bell Sound Studios, Inc., 237 W. 54 St., New York, N.Y.

 BRAINARD, HENRY B. (A'44-M'51-SM'52), Staff Mem. Instrumentation Lab., MIT, Cambridge 39, Mass.

 BRAINERD, JOHN G. (A'33-M'39-SM'43-F'51), Dir., Moore School of Elec. Engrg., Univ. of Pennsylvania, Philadelphia 4, Pa.

 BRAINERD, JOHN G. (M'59), Engr., Douglas Air.

- RAINERD, RDBERT A., JR. (M'59), Engr., Douglas Alr-craft Co., 3000 Ocean Park Blvd., Santa Monica, Calif. BRAM, JEFFRY, M. (S'55-M'56), Design Engr., Raytheon Mfg. Co., Wayland, Mass. BRAMAN, MELVIN D. (S'51-A'51-M'57), Electronics Liaison Engr., Ryan Aeronautical Co., 2750 W. Lomita, Torrance, Calif.
- BRAMBLE, CHARLES A., JR. (A'55), Sr. Engr., Martin Co., Orlando, Fla.
- BRAMHALL, ERVIN H. (SM'50), Analyst, Weapons Systems Evaluation Group, Defense Dept., Pentagon, Washington 25, D.C.
- BRAMHALL, F. BEAUMONT (M'42-SM'43), Engrg. (sultant, Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.
- Carlos, Calif.

 BRAMHAM, KENNETH (A'58), Service Rep., Canadian Admiral Corp., Ltd., 207 W. 2nd Ave., Vancouver, B.C., Canada.

 BRAMLEY, FRANK A. (M'54), District Service Rep., Motorola Communications & Electronics, Inc., 126 Gould St., Needham Heights 94, Mass.

 BRAMLEY, NORMAN V. (A'44-SM'57), Supvr., Support Unit, Microwave Lab., GE Co., 601 S. California Ave., Palo Alto, Calif.
- BRAMMANIS, ARNIS (S'54-M-55), Planning Engr., Ontario Hydro, 620 University Ave., Toronto 2, Ont., Canada.
- Canada.

 BRAMSDN, MICHALE (M'58), Sr. Dev. Engr., Baird
 Atomic, University Rd., Cambridge, Mass.

 BRANCEL, DRVILLE R. (S'57-M'59), 2nd. Lt., U. S.
 Army, Elec. Training Det. 2, Redstone Arsenal, Ala.

 BRANCH, BEN S. (A'44-M'50), Tennessee Transmission &
 Dutside Plant Engrg., Southern Bell Tel. & Telegrah Co.,
 226 Capitol Blvd., Nashville, Tenn.
- RANCH, GARLAND M., JR. (M):55-5M'56), Physicist, Research Lab., GE Co., Schenectady, N.Y.
 BRANCH, GERALD E. (SM'50), Col., USAF, Cmdr., 6921st Radio Group Mobile, USAF, APD 919, San Francisco, Fall cisco, Calif

- BRANCH, RAY (A'32-VA'39), Consulting Engr., Box 270, Hastings, Mich.
- BRANCH, WILLIAM D. (S'56-M'5B), Prod. Engr., Ray-theon Mfg. Co., Bristol, Tenn.
- BRANCH, WILLIAM D. (S'56-M'5B), Prod. Engr., Ray-theon Mfg. Co., Bristol, Tenn.
 BRAND, ELIJAH G. (S'55-M'5B), Elec. Systems Engr., Aircraft Radio Corp., Boonton, N.J.
 BRAND, FRANK A. (M'5B), Physicist, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 BRAND, JEANJ. (M'47), Consulting Engr., Box 66B, Port Isabel, Tex.
- BRAND, PAUL M. (SM'46), Consulting Engr., 1707 Roslyn Ave., Bayshore Gardens, Bradenton, Fla. BRANDEIS, EUGENE P. (M'59), Sr. Prod. Planning Engr., Ampex Corp., 860 Charter St., Redwood City, Calif.
- Annipex Corp., B60 Charter St., Redwood City, Calif.
 BRANDENBURG, PAUL J. (A'56), Serviceman, 2273
 Jefferson Ave., Norwood 12, Ohio.
 BRANDER, RICHARD (S'57-M'58), Elec. Engr., Stewart
 Warner Electronics, 1300 N. Kostner Ave., Chicago 51,
 III.
- BRANDES, NORMAN J. (S'53-A'55), Engr., ITT Labs., Nutley 10, N.J.
- Nutley 10, N.J.
 BRANDES, PHILIP D. (S'50-A'51-M'56), Dev. Engr.,
 GE Co., 100 Plastic Ave., Pittsfield, Mass.
 BRANDES, RAYMOND E. (S'50-A'51-M'56), Asst. Project
 Engr., No. Amer. Aviation, Autonetics Div., Downey,
 Calif.
- BRANDES, ROBERT A. (S'56-M'57), Sales Application Engr., GE Co., 40 Federal St., West Lynn, Mass. BRANDES, WILLIAM M., JR. (S'54-M'5B), Asst. Engr., Illinois Bell Tel. Co., 212 W. Washington St., Chicago,
- III.

 BRANDI, ERNST (M'57), Engr., Benson-Lehner Corp.,
 11930 Olympic Blvd., Los Angeles, Calif.

 BRANDINGER, JAY (S'50-A'52-M'57), Research Engr.,
 RCA Labs., Riverhead, L.I., N.Y.

 BRANDLI, ALEX (M'58), 2C2 Highland Ave., Syracuse 3,
- BRANDMAN, ZISSU I. A. (A'53), Research Engr., Ministry of Defence, Scientific Dept., Box 7063, Hakirya, Telof Detence, a Aviv, Israel.

- AVIV, Israel.

 BRANDON, E. THOMAS (A'51-M'56), Sr. Research Engr., Stanford Research Institute, Menio Park, Calif.

 BRANDON, WILLIAM S. (S'49-A'50-M'56), Project Engr., Delco Radio Div., Kokomo, Ind.

 BRANDS, CHARLES W. (S'55-M'56), Sr. Electronics Engr., Litton Industries, 10916 W. Washington, Culver City, Calif.
- City, Calif.

 BRANDSTETTER, RDBERT W. (A'59), Assoc. Engr.,
 Grumman Aircraft Engrq. Corp., Bethpage, L.I., N.Y.

 BRANDT, IVAN L. (A'52-M'57), Dev. Engr., CBS Hyuron,
 100 Endicott St., Danvers, Mass.

 BRANDT, LEOPOLDO (A'46-M'55), Uruguay 618, Buenos
 Aires, Angentina.

- BRANDT, LEOPOLDO (A'46-M'55), Uruguay 618, Buenos Aires, Argentina.

 BRANDT, LLOYD C. (S'54-M'56), Design Engr., Convair, Box 748, Ft. Worth, Tex.

 BRANDT, MULFORD M. (M'46), Administrator, Contracts, Custom Projects, Electronic Data Processing Div., RCA, Camden, N.-J.

 BRANDT, OGDEN G. (M'58), Jr. Engr., Sprague Electric Co., Marshall St., North Adams, Mass.

 BRANDT, PETER W. (S'54-M'59), Tech Staff Mem., The Mitre Corp., Lexington 73, Mass.

 BRANDT, RALPH (M'57), Research Physicist, Hughes Aircraft Co., Airport Sts., Los Angeles 45, Calif.

 BRANDT, RAYMOND W. (S'47-A'48-SM'51), Chief Engr., Owner, Blackhawk Engr. Co., Box 146, Janesville, Wis.

 BRANDT, THEODORE (S'58-M'59), Field Engr., Tektronix, Inc., Box 831, Portland 7, Ore.

 BRANDT, WILLIAM E. (S'49-A'52-M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.
- IBM, Poughkeepsie, N.Y.
 BRANDT, WILLIAM L. (S'46-A'49-M'55), Missionary,
 Board of World Missions, Presbyterian Church, Box 330,
- Nashville, Tenn.
- BRANNAN, FRANCIS T. (S'54-A'55), Scientist-In-Chg., Navi Rankan, Tonical Tonic

- BRANNEN, PAUL M. (A'44-M'49), Pacent Atty., IBM, Endicott, N.Y.
 BRANNER, GEORGE R. (S'57-M'59), 5340 Germantown
- PAR, Dayton, Ohio.

 BRANNIAN, WILLIAM R. (S'49-A'51-M'57), Sr. Research
 Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 BRANNIN, RICHARD S. (SM'58), Dir., Research & Advanced
 Dev., Aero Equipment Div., Sperry Gyroscope Co., Great
 Neck, L.I., N.Y.
- BRANNING, HARRY F. (S'50-A'52-M'55), Dev. Engr.

- BRANNING, HARRY F. (S'50-A'52-M'55), Dev. Engr., IBM, Owego, N.Y.
 BRANNDN, DDNALD L. (S'50-A'51-M'56), Engr., Westing-house Elec. Corp., Box 1897, Baltimore, Md.
 BRANSCDM, GLENN A. (S'54-M'156), System Engr., GE Co., Box 2488, Roanoke, Va.
 BRANSCOME, EDGAR GO. (A'41), Project Engr., Admiral Corp., 3800 W. Cortland St., Chicaoo, III.
 BRANSON, EUGENE C. (M'57), Liaison Engr., Electronics Div., Ryan Aeronautical Co., 5650 Kearny Mesa Rd., San Diego 17, Calif.
 BRANSON, NORMAN G. (A'51-M'56), Pres., Branson Ultrasonic Corp., 37 Brown House Rd., Stamford, Conn. BRANSTAD, DONALD H. (S'51-A'52-M'57), Specifications Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn.
 BRANT, S. JACK (A'59), Contract Administrator, Stromberg-Carlson Co., 1465 N. Goodman St., Rochester, N.Y.
 BRANTLEY, JAMES Q., JR. (S'48-A'53-SM'56), Dir., Research Div., Radiation, Inc., Box 6904, Orlando, Fia.
 BRANTLEY, WILLIAM W. (A'43-M'45), Communication Maintainer, B & O.R.R. Co., Camden Sta., Baltimore, Md.
 BRANTLEY, ROBERT S., JR. (S'56-M'58), Test Engr., Electronic Research & Dev., Melpar, Inc., 3000 Artington Blvd., Falls Church, Va.

- BRANTNER, HARLAN C. (M'59), Project Engr., AC Spark Plug Div., 1925 Kenilworth Pl., Milwaukee 2, Wis.

- Plug Div., 1925 Kenilworth Pl., Milwaukee 2, Wis.

 BRANUM, DAVID R. (S'50-A'53-M'56-SM'59), Electronics Project Engr., Univ. of California, Lawrence
 Radiation Lab., Box 808, Livermore, Calif.

 BRANUM, MOSE C. (A'53), Owner, The Branum Co., 2334
 Havenhurst, Dallas 34, Tex.

 BRANYAN, CALVIN (A'56), Radio & Electronics Dept. Head,
 Central High School, Board of Education, Memphis City
 Schools, Memphis, Tenn.

 BRAR, SARMUKH, S. (S'39-A'41-M'55), Assoc. Electronics Engr., Argorne Natl. Lab., Box 229, Lemont, III.

 BRASCHWITZ, HARDL D J. (S'53-M'57), Project Engr.,
 Thompson-Ramo-Wooldridge, Inc., 2196 Clarkwood Rd.,
 Cleveland 3, Ohio.

 BRASHEAR, ROY T. (S'49-A'52-M'57), Elec. Engr.,
 Phillips Petroleum Co., 117 N. Johnstone, Bartlesville,
 Okia.

 BRASSFIELD, JOHN R. (S'57-M'59), Design Engr., CG
- BRASSFIELD, JOHN R. (S'57-M'59), Design Engr., Electronics Co., Inc., 15000 Central, E., Albuquer N M
- BRATCHER, ANDREW L. (A'46-M'54-SM'56), Project Engr., Missiles Instrumentation, Army Ballistic Missiles Agency, Guidance & Control Lab., Redstone Arsenal,

- Ala.

 BRATH, P. WILLIAM (M'58), Staff Engr., Air Brake Div., Westinghouse Air Brake Co., Wilmerding, Pa.

 BRATHWAITE, AUGUSTUS (A'54), 300 Sutter Ave., Brooklyn 12, N.Y.

 RATSBERG, WALTER P. (S'50-A'54-M'57), Project Engr., Collins Radio Co. of Canada, Ltd., 11 Bermondsey Rd., Toronto 16, Ont., Canada.

 BRATSCHI, RAYMOND W. (A'52-M'58), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 BRATSCHUN, ROBERT C. (M'57), Dev. Engr., Admiral Corp., 3800 Cortland St., Chicago 47, III.

 BRAUDE, ARTHUR N. (A'41-M'48), Maj., Mgr., Hong Kong Telephone Co., Ltd., Telephone House, Hong Kong.

 BRAUER, GERHARD W. A. (SM'55), Chief Research Engr., Resdel Engr., Cardif.

 BRAUER, HOWARD H. (S'36-A'39-VA'39-SM'44), Chief
- BRAUER, HOWARD H. (S'36-A'39-VA'39-SM'44), Chief Engr., Rectifier Capacitor Div., Fansteel Metallurgical Corp., 2200' Sheridan, North Chicago, Ill.
- 2200 Sneridan, North Chicago, 111.
 BRAUM, CYRLL M, (430-VA'39-SM'55), Engrg. Consultant, Joint Council on Educational Television, 1785 Massachusetts Ave., N. W., Washington 6, D. C.
 BRAUN, ARNOLD F. (A'4B-M'55), Leiter einer Entwicklungsabteilung, Albiswerk Surich AG, Albisriestr. 245, Zurick, AG, Switzerland.

- AG, Switzerland.
 BRAUN, CARL G. (A'47-M'55), Pres., Branson Corp., Box 234, Whippany, N.J.
 BRAUN, CLAREMCE (A'56), Lab. Research Technician, Sun Oil Co., Richardson, Tex.
 BRAUN, EDWARD C. (M'59), Sr. Engr., Acting Project, Avco Mfg. Corp., 1329 Artingston, Cincinnati 25, Ohio.
 BRAUN, EDWARD L. (SM'55), Dir., Systems & Electronics, Genesys Corp., 10131 National Blvd., Los Angeles 34, Calif.
- Calif.
 BRAUN, LEON (A'54), Electronics Engr., Audio Corp. of America, 1111 E. Elizabeth Ave., Linden, N.J.
 BRAUN, LUDWIG, JR. (A'52-M'57), Instr., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn I., N.Y.
 BRAUN, MELVIN (A'49-M'55), Publication Engr., Stavid Engrg., Plainfield, N.J.
 BRAUN, MODIE E., JR. (S'56-M'5B), 2nd. Lt., USAF, Communications, 1230th AACSRON, APO 378, New York, N.Y.

- N.Y.
 BRAUN, PAUL A. (S'55-M'59), 2nd. Lt., U.S. Army, Dept. of Army, Washington, D.C.
 BRAUN, SAMUEL (A'55), Supvr., Quality Control, Convair-Astronautics, San Diego, Calif.
 BRAUN, THEODOR H. (M'50), Dir., Geophysical Research, The Superior Oil Co., 53B Mission St., South Pasadena, Calif.
- Calif
- Calif.
 BRAUN, V. J. (A'41-M'45-SM'52), System Development Corp., 2500 Colorado, Santa Monica, Calif.
 BRAUN, WALTER E. (S'47-A'49-M'55), Chief Engr., Instrument & Research Div., Nuclear Corp. of America, 2 Richwood Pl., Denville, N. J.
 BRAUN, WARREN L. (J'42-A'43-SM'50), Asst. Genl. Mgr., WSVA-AM-FM-TV, Rawley Pike, Harrisonburg, Va.
 BRAUN, WOLF GANG G. (M'52), Task Scientist, Aeronautical Research Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- SON AFB, UNIO.

 BRAUNAGEL, MAGNUS V. (S'50-A'52-M'56), Design Engr.,
 Martin Co., Mail A218, Denver 1, Colo.

 BRAUNE, EINAR H. J. (M'48), Chief of TV Lab., Norrkopings Elektrotekiniska Favriker AB (NEFA), Finspangsvagen
 Norrkoping, Sweden.

- pings Elektrotekiniska Fawriker AB (NEFA), Finspangsvagen Norrkoping, Sweden.

 BRAUNER, EDWARD J. (A'56-M'57), Elec. Engr., GE Co., Mountain View Rd., Lynchburg, Va.

 BRAUNER, EDWARD J. (A'56-M'57), Foject Engr., Commercial Radio-Sound Corp., 652 1st Ave., New York 33, N.Y.

 BRAUNING, THEODORE W. (S'49-A'51-M'56), Designer, The Detroit Edison Co., 2000 2nd St., Detroit 26, Mich.

 BRAUNLIN, ROBERT J. (S'33-A'54), Elec. Engr., Dept. of Neurology, Indiana Divis. Medical Center, 1100 W. Michigan St., Indianapolis 7, Ind.

 BRAUNSTEIN, LIONEL J. (A'59), Jr. Engr., Stavid Engrg., Inc., Rte. 22, Plaimfield, N.J.

 BRAUS, HARDLD A. (M'59), Project Engr., Manson Labs., Box 1214, Stamford, Conn.

 BRAVENEC, FRANK R. (S'55-M'57), Jr. Engr., Welex, Inc. Braveley Stanford Univ., Stanford, Calif.

 BRAVERMAN, DAVID J. (S'56-M'57), Research Asst., Elec. Engre., Stanford Univ., Stanford, Calif.

 BRAVERMAN, MURRAY (A'46), Engr., Bulova Research & Dev., 526 W. 111 St., New York 25, N.Y.

 BRAVERMAN, NATHANIEL (S'38-A'40-SM'94), Chief, Iech. Analysis Div., Bureau Research & Dev., FAA, Natl. Aviation Facilities Experimental Center, Altantic City, N.J.

 BRAVERMAN, RALPH (A'50-M'55), Chief Engr., Guidance & Controls, Lear, Inc., 3171 Bundy Dr., Sarfa Monica, Calif

- BRAVERMAN, RALPH (A'50-M'55), Chief Engr., Guidance & Controls, Lear, Inc., 3171 Bundy Dr., Sanka Monica, Calif. BRAVIN, CELESTE (A'56), TechRep., Madigan Communication & Electronic Corp., 526 Mineola Ave., Carle Place, L.I., N.Y.
- BRAVMAN, PETER J. (S'55-A'57), 628 W. 151 St., New York 31, N.Y

BRA-BRF - 105 -

- BRAVO, ANGEL (5'50-A'51-M'56), Staff Engr., Command Systems, Inc., 14021 McKinley Ave., Los Angeles 59, Calif.
- Calif.
 BRAVO, MICHAEL V. (A'51), Engr., Flight Test, Martin
 Co., Cocoa, Fla.
 BRAWLEY, HARRY E., JR. (M'59), Physicist, Frankford
 Arsenal, Standards & Measurements Sect., Electronics Branch,
 Bridge & Tacony Sts., Philadelphia 37, Pa.
 BRAWNER, CLARENCE A., JR. (S'4B-A'49-M'54-SM'55),
 Asst., Project Engr., Temco Aircraft Corp., Engrg. Center,
 Garland, Tex.

- warnand, 1ex.

 BRAY, DAVID W. (S'49-A'51-M'56-SM'57), Project Leader, GE Co., Ithaca, N.Y.

 BRAY, GARLAND L. (M'58), Components Engr., Sperry Utah Engrs. Lab., Salt Lake City, Utah.

 BRAY, THOMAS E. (S'53-A'55), Engr., GE Co., Syracuse, N.Y.
- BRAY, WILLIAM E. (M'56), Systems Engr., Collins Radio Co., Cedar Rapids, Iowa.
- BRAY, WILLIAM J. (A'55), Statt Engr., Inland Radio Branch, Post Office Engrg. Dept., 2-12 Gresham St., London EC2,

- PRAY, WILLIAM, J. A. 59, Safr Engr., Infland Nation Bench, Post Office Engrg. Dept., 2-12 Gresham St., London ECC, England.

 BRAYSHAW, GEORGE S. (SM'57), Lecturer, Elec. Engrg. Dept., The Univ of Leeds, Leeds 2, England.

 BRAYSHAW, ROBERT A., G'55-M'58), Supply Officer, USN, USS Ingraham, FPO, New York, N.Y.

 BRAZDA, JOSEPH C. (M'56), Project Engr., Hallicrafters, Inc. 4401 W. 5 Ave., Chicago 24, Ill.

 BRAZEAL, RICHARD H., JR. (M'5/), TechRep., Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 PRAZEE, FORREE T. (A'36-VA'39-SM'50). Chief. Aircraft Communications Branch, Avionics Div., Surveillance Dept., U.S. Army Signal Engrg. Labs., Ft. Monmouth, N.J.

 BRAZEE, JOHN A. (A'51-M'56), Staff Tech. Advisor, Whitney Blake Co., 1565 Dixwell Ave., Hamden, Conn.

 BRAZIL, HERBERT D. (M'59), District Electronics Supvr., G.S.12, FAA, Anchorage, Alaska.

 BREAK, DAVID A. (S'56-M'59), District Electronics Supvr., G.S.12, FAA, Anchorage, Alaska.

 BREAKEY, EDWARD P. (S'51-M'55), Research Engr., Boeing Aipplane Co., Box 14, Seattle 107, Wash.

 BREAKEY, GERALD A. (S'52-A'53-M'58), Mfg. Engr., Westinghouse Elec. Corp., Youngwood, Pa.

 BREAMEN, HUGH C. (M'56-SM'57), Hoover Electronics Co., 110 W. Timonium Rd., Timonium, Md.

 BREARLEH, WHILLIAM M. (A'40-SM'43), Staff Consultant, Babcock & Wilcox Co., 1201 Kemper St., Lynchburg, Va.

 BREBRICK, RUDOLPH J. (S'55-M'56), Elec. Engr., Martin Co., Box 179, Denver 1, Colo.

 BRECHLING, GEORGE E. (M'59), Engr., GE Co., 3198 Chestnut St., Philadelphia, Pa.
- BRECHLING, GEORGE E. (M'59), Engr., GE Co., 3198
 Chestnut St., Philadelohia, Pa.
 BRECHT, GEORGE L. (S'53-A'54), Test, Radiomarine Corp.
 of America, 75 Varick St., New York, N.Y.
 BRECHT, LEOPOLD R., JR. (M'58), Jr. Microwave Engr.,
 F-R Machine Works, Inc., 26-12 Burrough PI., Woodside
 77, L.I., N.Y.
- 77, L.I., N.Y.

 BRECHWALD, RICHARD D. (S'57-M'58), 7424 Genesta
 Ave., Van Nuys, Calif.

 BRECKEN, JOHN R. (S'58-M'59), Reliability Engr., Technology Instrument Corp., 535 Main St., Acton, Mass.
 BRECKENRIDGE, ALLENDER G. (S'51-A'52-M'58), Production Engr., Philips Electronics Industries, Ltd., 11-17
 Brentcliffe Rd., Toronto 17, Ont., Canada.

 BRECKENRIDGE, WILLIAM G., JR. (A'55), Research Engr.,
 Jet Propulsion (Lab., 4800 Oak Grove Dr., Pasadena 3, Calif.)

 BRECKMAN, JACK (A'52-M'57), Systems Engr., RCA,
 Moorestown, N.J.

 BRECKMER, CHESTER N. (M'56), Liaison Engr., GE Co.,
 Syracuse, N.Y.

 BRECANER, CHESTER N. (M'56), Liaison Engr., GE Co.,
 Syracuse, N.Y.

 BRECANER, LAVE (S'56-M'57), Flight Lt., Tech. Officer.

- BRECKNER, CHESTER N. (M'56), Liaison Engr., GE Co., Syracuse, N.Y.
 BREDAHL, ARVE (S'56-M'57), Flight Lt., Tech. Officer, RCAF, Air Force Hdgrs., Ottawa, Ort., Canada.
 BREDE, DWIGHT W. (M'58), Project Engr., Ampex Corp., 860 Charter St., Redwood City, Calif.
 BREOE, ERWIN F. (A'53-M'58), Self-employed, Inventor, 18900 Warrington Dr., Detroit 21, Mich.
 BREDEN WILFRED W. (S'55-M'56), Eler. Engr., GE Co. Home: 50 1/2 Locust Ave., Dambury, Conn.
 BREDON, ALAN D. (M'57), Sr. Electronics Engr., Convair, 80x 1011, Pomona, Calif.
 BRELCE, RÜBERI C. (M'57), Research Engr., No. Amer. Aviation, Downey, Calif.
 BREED, WILLIAM M. (A'44), Audio Sales, KENELS Radio Supply Co., 128 31 St., N.E., Cedar Rapids, Iowa.
 BREEDING, CHARLES S. (M'46), Research Physicist, Cornell Aeronautical Lab., 4455 Genese St., Bulfalo 21, N.Y.
 BREEDING, CHARLES S. (M'56-SM'57), Sr. Research Engr., Frederick Research Corp., 4940 E. Speedway, Tucson, Ariz.
 BREEDING, CHARLES S. (M'56-SM'57), St. Research Engr., Frederick Research Corp., 4940 E. Speedway, Tucson, Ariz.
 BREEDLOVE, ROBERT H. (S'54-M'56), Staff Engr., IBM, Dweso, N.Y.
 BREEN, EDWARD L. (M'58), Electronics Engr., Wright Air
- Dwego, N.Y.

 BREEN, EDWARD L. (M'58), Electronics Engr., Wright Air
 Development Center, USAF, Wright-Patterson AFB, Ohio.

 BREEN, JOHN M. (A'54), Govt. Rep., IBM, 1111 Connecticut Ave., Washington 6, D.C.
- cut Ave., Washington 6, D.C.
 BREEN, MICHAEL T. (S'56-A'57), 5733 S. 3rd. St.,
 Arlington 4, Va.
 BREEN, MORTON R. (S'56-M'59), Pvt., U.S. Army, Home:
 12 Goodale Rd., Mattapan 26, Mass.
 BREEN, PAUL T., JR. (S'56-M'59), Electronics Engr.,
 Crosley Electronic Research Labs., 750 Commonwealth Ave.,
 Restan. Mass.
- Crosley Electro Boston, Mass.
- Boston, Mass.

 BREESE, HARRY R. (A'54-M'58), Sales Engr., Adolph Schwarz, 15 Exchange Pl., Jersey City 2, N.J.

 BREESE, MAURICE E. (M'54), Research Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BREESKIN, SOL D. (S'49-A'51-M'56), Asst. Project Engr., Communications, Space Technology Labs., 5730 Arbor Vitae St., Lu3 Arigeles 45, Calif.

 BREESMAN, R. NEAL (M'5B), District Mgr., Customer Relations, Sylvania Elec. Prods., Inc., 333 W. 18st. St., Dayton 2, Ohio.

 BREETZ, LOUIS D. (SM'56), Flectonics Scientist Municipal Breez, Louis D. (SM'56), Flectonics Scientist Municipal
- REETZ, LOUIS D. (SM'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C. BREEZE, JOHN E. (S'40-A'42-SM'47), Head, Physics Div., British Columbia Research Council, Vancouver 8, B.C.,

BREEZE, JOHN R. (M'57), Test Engr., Convair-Astronautics, Box 112B, San Diego 12, Calif. BREGA, LOGAN B. (S'49-A'51), Elec. Engr., Collins Radio, Cedar Rapids, Iowa.

- Ledar Rapids, Iowa.
 BREGANTINI, JOSEPH S. (S'56-M'57), Reliability Engr.,
 Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.
 BREGMAN, MYRON W. (S'50-A'51-M'5B), Test Equipment
 Engr., Loral Electronics, Inc., B25 Bronx River Rd., Bronx
 73, N.Y.

- T3, N.Y.

 BREHENEY, RICHARD F. (S'55-A'57), Field Training Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BREHM, CLARENCE M. (M'57), Site Engr., Philoc Corp., 771st AC&N Sadn., Cape Charles, Va.

 BREHM, JOSEPH H. (M'56), Sr. Engr., Stavid Engrg., Inc., Rte. 22, Plainfield, N.J.

 BREHM, WALTER R. (A'59), Sales Liaison, Page Communication Engrs., Inc., 710 14 St., N.W., Washington, D.C.

 BREIDING, EUGENE J. (A'41-S'4B-A'52-M'56), Mgr., Procurement Value Analysis, IBM, Kingston, N.Y.

 BREIKESS, IVARD P. (A'5B-M'59), 232B5 Kipling, Oak Park 37, Mich.
- BREIMER, SIETSE (A'28-M'47), Chief Engr., Philips Tele-communication Ind., J.v.d. Heidestr., Hilversum St., Nether-
- BREINDEL, LA VERN A. (A'55), Evergreen Rd., St. Marys,
- BREIT, GREGORY (SM'45-F'45), Donner Prof., Physics, Yale Univ., Sloane Physics Lab., New Haven 11, Conn. BREIT, ROBERT I. (M'57), Networks Design Engr., Martin Co., Orlando, Fla.
- Unando, Fia.

 BREITBORD, JACOB L. (S'49-A'51-M'56), Staff Engr.,
 Itek Com., 223 Crescent St., Boston, Mass.
 BREITEGGER, LUDWIG G. (M'58), Owner, Audio Video
 Engrg., 6856 Radford, North Hollywood, Calif.
- BREITENSTEIN, RICHARD E. (M'57), Electronics Scientist, U.S. Naval Ordnance Test Sta., Code 3541, China Lake, Calif.
- Calif.

 BREITHAUPT, JOE J. (A'54-M'57), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 BREITWIESER, CHARLES J. (A'35-VA'39-SM'56-F'58), Pres., Metrolog Corp., 169 N. Halstead St., Pasadena, Calif.

- Calif.

 BREITWIESER, GEORGE F. (S'45-A'49-SM'54), Chief Engr., Missile Surface Radar Dept., RCA, W. Olympic Blvd., Los Angeles, Calif.

 BREITZER, DAVID I. (A'4B-M'55), Engr., Airborne Instruments Lab., Inc., Mineola, L.I., N.Y.

 BREKHUS, FI MO H. (A'59), Research Fellow, Physics Dept., Linac Lab., Univ. of Minnesota, Minneapolis, Minn.

 BRELSFORD, HARLIN A. (SM'57), Mor., Mech. Engrg., RCA, Moorestown, N.J.

 BREMER, EDWIN, II (A'59), Experimental Metallurgist, Cadillac Motor Car Div., GMC, 6200 Riverside Dr., Cleveland 35, Ohio.

 BREMER, FRANK V. (A'40-M'52-SM'52), AM-TV Consul-

- 35, Ohio.

 BREMER, FRANK V. (A'40-M'52-SM'52), AM-TV Consultant, 12 Hamilton Ave., Arlington, N.J.

 BREMER, HARRY A. (A'25-VA'39), Owner, Bremer Electronics, 43 Washington Ave., Lake Hlawatha, N.J.

 BREMER, JOHN, JR. (A'57), Supvy. Electronics Engr., Internatl. Electronics Mig. Co., 2nd. St. Extended, Greenwood Acres, Annapolis, Md.
- wood Acres, Annapolis, Md.
 BREMIGAN, RICHARD O. (S'53-M'56), Elec. Engr., Andrew Corp., 10401 W. 143 St., Orland Park, III.
 BREEMER, LEROY F. (A'49-M'51-SM'52), Pres. & Genl. Mgr., Atlantic City Broadcasting Co., WLBD, Atlantic City, N.J.
- N.J., Atlantic Orly Biodesing Go., Probey River Str., N.J.

 BREMMER, ROBERT A. (S'49-A'51-M'57), Project Engr., GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.

 BREMMER, DONALD S. (S'50-A'51), Research Engr., United Geophysical Co., 1200 S. Marengo St., Pasadena, Calif.

 BREMSAK, FRANC (M'57), Chief, Electronic Dept., Institute "Jozef Stefan," Ljubjana, Yugoslavia.

 BREMDEKE, WALTER H., JR. (A'55), Dev. Engr., Motorola Research, 3102 N. 56 St., Phoenix, Ariz.

 BRENDER, DAVID M. (S'54-M'56), Elec. Engr., IBM Watson Lab., 612 W. 115 St., New York 25, N.Y.

 BRENDER, DANIEL E. (M'56), Supvr., Communications Sect., USAF, Air Materiel Command, Rome AMA, N.Y.

 BRENDLE, THOMAS A. (A'50), 107 Mahwah Dr., Mahwah, N.J.

- BRENEMAN, HUGH M. (M'59), Staff Engr., Hughes Aircraft Co., Culver City, Calif.
- Co., Curver City, Calif.

 BRENESSEL, AARON (A'48-M'59), Electronics Engr., FAA, Box 4009, Honolulu, Hawali.

 BRENGLE, ALAN S. (S'53-M'56), Chief Engr., Ferrara, Inc., B106 W. 9 Mile, Oak Park 37, Mich.

 BRENKWITZ, JOHN M. (S'58-M'59), 22429 Montgomery St., Hayward, Calif.

- Hayward, Galif.
 BRENNAN, ALAN T. (SM'58), Project Engr., Stromberg-Carlson Co., 14DO N. Goodman St., Rochester, N.Y.
 BRENNAN, ALBERT T. (A'55), Salesman, Automatic Electric Sales Corp., 21 E. 40 St., New York 16, N.Y.
 BRENNAN, DONALD G. (A'48-M'51-SM'57), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass; Dept. of Mathematics, MIT, Cambridge 39, Mass.

- matics, MIT, Cambridge 39, Mass.
 BRENNAN, JAMES E. (M'SB), Asst. Project Engr., Kearfott
 Co., Inc., 1500 Main Ave., Clifton, N.J.
 BRENNAN, JOHN E. (A'46-M'55), Sr. Tech. Writer, Raytheon
 Mfg. Co., Wayland, Mass.
 BRENNAN, JOHN J. (S'49-A'51-M'56), Sr. Engr., Sylvania
 Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.
 BRENNAN, JOSEPH X. (M'56), Asst. Chief, Atmospheric
 Physics Div., Hgrs. Alir Research & Development Command,
 Andrews AFB, Washington 25, D. C.

- Andrews AFB, Washington 25, D.C.

 BRENNAN, LAWRENCE E. (S'47-A'51-M'57), The Rand
 Corp., 1700 Main St., Santa Monica, Calif.

 BRENNAN, PIERCE A. (M'55), Research Assoc., Stanford
 Electronics Lab., Stanford Univ., Stanford, Calif.

 BRENNAN, ROBERT D. (S'55-M'59), Sr. Engr., Systems
 Studies-Simulation, Sylvania Electronic Defense Lab.,
 Mountain View, Calif.

 BRENNAN, RONALD D. (S'56-M'57), Radar Engr., Emerson
 Electric Mfg. Co., St. Louis, Mo.

 BRENNAN, RONALD J. (S'55-M'56), Engr., IBM, Kingston,
 N.Y.
- BRENNEMAN, OAVIO E. (M'49), Mem. Tech. Staff, Bell Tel.
- BRENNEMAN, JANDREW E., JR. (5'49-4'51-M'56), Advisory Engr., IBM, Poughkeepsie, N.Y.
 BRENNEMANN, ANDREW E., JR. (5'49-4'51-M'56), Advisory Engr., IBM, Poughkeepsie, N.Y.
 BRENNER, ADOLPH (A'55), Microwave Engr., F-R Machine Works, Inc., 26-12 Borough PI., Woodside 77, L.I., N.Y.

BRENNER, BERT (A'35-VA'39-M'55), 121 S. Columbus Ave., Mt. Vernon. N.Y.

- BRENNER, BERT (A 35-439-M-55), 121 S. Columbus Ave., Mt. Vermon, N.Y. BRENNER, CHARLES H. (S'57-M'59), Engr., Sylvania Elec. Prods., Inc., Buffaio 21, N.Y. BRENNER, EGON (SM'56), Asst. Prof., Elec. Engrg. Dept., The City College of New York, 139 St. & Convent Ave., New
- BRENNER, EGON (SM'56), Asst. Prof., Elec. Engrg. Jeput.,
 The City College of New York, 139 St. & Convent Ave., New
 York 31, N.Y.

 BRENNER, JOSEPH C. (SM'55), V.P. & Works Mgr., Sperry
 Electronic Tube Div., Gainesville, Fla.

 BRENNER, MILLARD M. (S'38-A'41-M'55), Staff Engr.,
 Genl. Atronics Corp., 1 Bala Ave., Bala Cyrnwyd, Pa.

 BRENNER, MILLTON (S'49-A'52-M'57), Dept. Mgr., W.L.
 Maxson Corp., 460 W. 34 St., New York, N.Y.
 BRENNER, MORRIS (M'51), Physicist, Diamond Fuze Ordnance
 Labs., Washington 25, D.C.

 BRENNER, WILLIAM (SM'5B), Asst. Sect. Head, Engrg.,
 American Bosch Arma Corp., Garden City, L.I., N.Y.

 BRENNER, WILLIAM F. (A'47), Electronics Engr., U.S.
 Naval Air Development Center, Johnsville, Pa.

 BRENT, LOUIS L. (A'44-M'46-SM'55), Training Instr.,

- Naval Air Development Center, Johnsville, Pa.
 BRENT, LOUIS L. (A'44-M'46-SM'55), Training Instr.,
 USAF, Scott AFB. Belleville, III.
 BRENT, PAGE (5'55-A'57), Reliability Engr., Missile Systems Div., Raytheon Mig. Co., Andover, Mass.
 BRENTON, GAYLORD P. (M'53), Head, Engrg. Div., Power Equipment Co., 315 Harding Way, E., Galion, Ohio.
 BRERETON, C. H. (A'41-M'45-SM'46), Systems Engr., RCA Internatl., Clark, N. J.
 BRERETON, RICHARD L. (M'52), Head, Dev. Lab., Canada Wire & Cable Co., Ltd., Leaside, Ont., Canada.
 BRESEE, CARDWELL W. (S'50-A'51-M'56), Communication

- BRERETON, RICHARD L. (M-52), Head, Dev. Lab., Callada Wire & Cable Co., Ltd., Leaside, Ont., Canada.

 BRESEE, CARDWELL W. (S'50-A'51-M'56), Communication Maint. Engr., Hydro Electric Power Commission of Ontario, 493 Ruchmond Rd., Ottawa, Ont., Canada.

 BRESEE, WILLIAM H. (A'44-M'55), Engrg. Supvr., Sylvania Elec. Prods., Inc., 1221 W. 3rd St., Williamsport, Pa.

 BRESLAUER, ALFRED F., JR. (S'57-M'58), 2nd. Lt., U.S. Army, Home: 2400 19 St., N.W., Washington 9, D.C.

 BRESLER, AARON D. (S'43-A'46-M'55-SM'59), Sr. Engr., Jasik Lab., 100 Shames Dr., Westbury, L. I., N.Y.

 BRESLOW, ALFREO J. (A'58), Equipment Specialist, Electronics, Aviation Supply Office, USN, 700 Robbins Ave., Philadelphia 11, Pa.

 BRESLOW, DONALD H. (S'56-A'57), Electronics Engr., Raytheon Mfg. Co., Wayland, Mass.

 BRESSIOW, DONALD H. (S'56-A'57), Electronics Engr., Photon, Inc., 58 Charles St., Cambridge 41, Mass.

 BRESS, CHARLES (S'54-M'55), Electronics Lab. Technician, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BRESSLER, JACOB (M'59), Electronics Engr., U. S. Army Signal Supply Agency, 225 S. 18th St., Philadelphia 3, Pa.

 BRESSLER, STANLEY (M'58), Sr. Engr., Instruments for

- Pa.

 BRESSLER, STANLEY (M'58), Sr. Engr., Instruments for Infustry, Hicksville, L.I., N.Y.

 BRESSNER, GERALD M. (S'50-A'52-M'58), Service Mgr., Bressner Colorvision Corp., 481 New Lots Ave., Brooklyn 7, N.Y.
- T, N, Y.

 RESSON, JERDME (A'47-M'55), Sales Engr., Jerry Bresson Associates, 246 Haverford Ave., Narberth, Pa. BREST, ULISES R. (5'55-M'57), Asst. Tech. Engr., Televario de la Provincia de Buenos Aires, Diagonal 80-257, La Plata, Buenos Aires, Argentina.

 BRESTER, WALTER A. (5'35-A'38-VA'39), Supvg. Engr., WTOP, Inc., Broadcast House, 40 & Brandywine Sts., N.W., Washington 16, D.C.

 BRETHERTON, SIDNEY E. (5'57-M'58), Assoc. Engr., Douglas Aircraft Co., Lakewood Bird., Long Beach, Calif. BRETON, ALAIN Y. (M'59), Asst. Prof., Ecole Polytechnique, 2500 Ave. Guyard, Montreal 26, P. Q., Canada. BRETT, GEORGE F. (M'50), Resident Rep., U.S.A., English Electric Valve Co., Ltd., Queens House, Kingsway, London W.G. 2, England.

- BRETTHAUER, LEWIS G. (M'56), Chief, ECCM Branch, Deputy for Plans, Hgrs. ADC, Box 25, Ent AFB, Colorado Springs, Colo.
- BRETTLER, BENJAMIN J. (M'56), Scientific Executive, Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 16, Mass.
- Boston 16, Mass.

 BRETZ, ROBERT E. (M'57), Engr., Philco Corp., 4700
 Wissahickon Ave., Philadelphia 44, Pa.

 BREUEL, JOHN W. (A'58), Dir., Div. Technological Services, American Foundation for the Blind, Inc., 15 W. 16
 St., New York 11, N. Y.

 BREUER, HERBERT J. (M'48), Radio Engr., Communications Field Rep., Attack Warning, California Disaster Office, Box 110, Sacramento, Calif.

 BREUNIG, JOHN J. (M'58), Sales Engr., Engelhard Industries, Amersil Quartz Div., 685 Ramsey Ave., Hillside 5, N.J.

 BREUNIG, KENNETH H. (M'58), Craus Sunta American

- SIDE D, N.J.

 BREUNIG, KENNETH H. (M'58), Group Supvr., American
 Bosch Arma Corp., Garden City, L.I., N.Y.

 BREUNIG, WILLIAM H. (A'52-M'57), Patent Engr. &
 Agent, The Baldwin Plano Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.
- nati Z, Ohio.

 BREW, RODERICK A. (M'56), V.P., Engrg., Richard D.

 Brew & Co., Inc., Airport Rd., Concord, N.H.

 BREWER, ALEXANDER F. (S'41-A'44-M'44-SM'4B),

 Tech. Dir., Hughes Prods., 11105 Anza St., Inglewood,

 Calif.
- Calif.
 BREWER, CLYDE P. (M'53-SM'57), Group Engr., Convair, Pomona, Calif.
 BREWER, DANIEL R. (SM'57), Sr. Color Video Engr., NBC, 3000 W. Alameda, Burbank, Calif.
 BREWER, GEORGE R. (A'43-M'49-SM'54), Mem. Tech.
 Staff, Electron Tube Lab., Hughes Aircraft Co., Culver City, Calif.

- Calif.

 BREWER, HOWARD E. (M'56), Suovr., Autonetics Div.,
 No. Amer. Aviation, Downey, Calif.

 BREWER, HUGH D. (S'49-A'50), Computer Systems Engr.,
 RCA Service Co., Camden B., N.J.

 BREWER, LOVICK R. (M'55), Materiel Liaison Officer,
 Hgrs. Air Training Command, USAF, Randolph AFB, Tex.

 BREWER, LYMAN F. (A'43-M'55-5M'55), Jech. Sugvr.,
 WGAN-TV, Guy Gannett Broadcasting Services, 390

 Congress St., Portland, Me.
- Congress St., Portland, Me.

 BREWER, MORTON S. (A'37-M'55), Transmitter Engr.,
 NBC, Mt. Wilson, Calif.

 BREWER, ROY V. (S'43-A'45), Teacher, Science Dept.,
 Hapeville High School, Atlanta, Ga.; Electronics Training
 Officer, Div. 6-1, USNR, Atlanta, Ga.

- BREWER, W. LYLE (M'54-SM'54), Dir., Mngt. Systems Dev. Dept., Eastman Kodak Co., Rochester, N.Y. BREWSTER, ALBERT H., JR. (A'54), Jr. Engr., Dorsett Labs., 401 E. Boyd, Norman, Okla. BREWSTER, ELTON J. (S'56-M'59), Jr. Geophysicist, Mobil Oil of Canada, Ltd., Box 690, Tripoli, Libya, North Africa.

- Mobil Oil of Canada, Ltd., Box 690, Tripoli, Libya, North Africa.

 BREWSTER, FRANKLIN C. (S'39-A'41-SM'47), Dir. of Engrg., Automotive Prod. Div., Motorola, Inc., 9401 W. Grand Ave., Franklin Park, III.

 BREWSTER, PRESTON J. (M'55), Mgr., Eglin Missile Test Range Communications System, Philocopp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 BREWSTER, ROBERTA. (S'55-M'56), Electronics Test Engr., Hughes Aircraft Co., 5540 W. Century Bivd., Los Angeles 45, Calif.

 BREYFOGLE, LOUIS O. (S'53-M'56), Instr., Elec. Engrg., Univ. of Kansas, Lawrence, Kan.

 BREYMAIER, ROBERT W. (S'51-A'52-M'58), Research Assoc., Univ of Michigan, Willow Run Labs., Willow Run Airport, Yusilanti, Mich.

 BREYMAYER, KURT (A'49-M'55-SM'57), Project Engr., Lenkurt Electric Co., Inc., 1105 Courty Rd., San Carlos, BRIAN, JACK (M'57), Engr., Westrex Corp., 111 8 Ave., New York, N.Y.

- heed Aircraft Corp., Palo Alto, Calif.
 BRICK DONALD B. (5'50-A'54-SM'56), Sr. Engrg. Specialist, Sylvania Elec, Prods., Inc., Waltham, Mass.
 BRICK, FRANK R. (A'23-M'26-SM'43), Chief Engr., Brick Electronic Equipment Co., 820 Blanch Ave., Norwood, N.J.
 BRICK, GENE R. (A'54), Chief Engr., WCHS, WCHS-TV,
 1111 Virginia St., E., Charleston 24, W. Va.
 BRICKER, CHARLES H. (S'55-A'54), Tech. Asst., Bell
 Tel. Labs., Murray Hill, N.J.
 BRICKER, NINA P. (A'55), Oev. Engr., Goodyear Aircraft
 Corp., Litchfield Park, Ariz.
 BRICKHILL, GEORGE A. (A'37), Head, Transcription Dept.,
 South Africa.
 BRICKER, JOHN B. (M'46). Flectronics Engr.

- BRICKLER, JOHN B. (M'46), Electronics Engr., Emerson Electric Mfg. Co., 8100 W. Florissant St., St. Louis 16,

- Mo.

 BRICOUT, PIERRE A. (M'48), Radiophysicist, 4624 Knov Rd., College Park, Md.

 BRIDGE, HARRY P. (S'52-A'53-M'58), Staff, MIT, Lincoln Lab., Lexington 73, Mass.

 BRIDGE, JAMES A. (M'56), Elec. Design Engr., Public Service Corp. of N. J., 80 Park Pl., Newark 5, N. J.

 BRIDGE, MILLIAM H. (A'54-M'59), Mgr., Systems Engrg., GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.

- GE Co., 12430 N. Black Canyon Hwy. Phoenix, Ariz.

 BRIDGEMAN, THEODDRE H. (S'48-A'50-M'55-SM'56).

 Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 BRIDGEM, GEORGE A. (M'54), Project Engr., AC Spark
 Plug, 79 S. Howell Ave., South Milwaukee, Wis.

 BRIDGES, D. B. JACK (A'52-M'57), Electronic Computer
 Programmer, RCA, Patrick AFB, Fia.

 BRIDGES, DOUGLASS K. (S'56-A'57), Aircraft Maint.
 Specialist, Convair, Box 748, Ft. Worth, Tex.

 BRIDGES, ERNEST (S'54-A'54-M'55), Asst. Prof., Elec.
 Engr., Dept., Univ. of Manitoba, Winnipeey, Man., Canada.

 BRIDGES, JACK E. (A'50-M'55-SM'56), Chief, Elec.
 Engr., Research, Warwick Mfg., 7300 N. Lehigh, Chicago,

- III.

 BRIDGES, JAMES M. (SM'47-F'59), Dir., Electronics, Office Dir., Defense Research & Engrg., Pentagon, Washington 25, D.C.

 BRIDGES, JERRY C. (S'56-M'59), Test Engr., Varlan Associates, 611 Hansen Way, Palo Alto, Calif.

 BRIDGES, RICHARD L. (S'50-A'53-M'57), Electronics Engr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Palo Calif.

- Calif.

 BRIDGES, THOMAS J. (M'57), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hili, N.J.

 BRIDGES, WILLIAM D. (A'55), TechRep., Philoc Corp.,
 22 & Lehigh Ave., Philadelphia 32, Pa.

 BRIDGES, WILLIAM S. (A'57), Radar Maintenance Chief,
 103D AG&W Sqdn., Milford Point Armory, Milford, Conn.

 BRIDGLAND, CHARLES J. (A'41-SM'44), Genl. Radio
 Engr., CNR, Communications Dept., 151 Front St., W.,
 Toronto, Ont., Canada.
- BRIDGLAND, THOMAS F., JR. (S'57-M'58), Asst. in Research, Engrg. Mechanics Dept., Univ. of Florida, Gaines-ville, Fla.
- BRIDGMAN, ARTHUR D., JR. (A'48-M'55), Engr.-in-Chg., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif.
- BRIDGMAN, JOSEPH M. (M'47), Exec. V.P. & Genl. Mgr., Canadian Applied Research, Ltd., 750 Lawrence Ave., W., Toronto 19, Ont., Canada.

- Toronto 19, Ont., Canada.

 BRIEDIS, GUNARS (A'56), Elec. Engr., John Oster Mfg. Co., 1 Main St., Racine, Wis.

 BRIEL, LEWIS A. (A'55), Maintenance Engr. (TV), NBC, 1500 N. Vine St., Hollywood, Calif.

 BRIERLY, DONALD H. (S'58-A'58), 904 Dryden Rd., Ithaca, N.Y.

 BRIERLY, FRANCIS A. (S'56-M'57), Elec. Engr., Lockheed Aircraft Corp., Box 504, Sunnyvale, Calif.

 BRIESEN(K, CLIFFORD R. (S'56-A'57), Research & Dev. Instrumentation, Convair, Ft. Worth, Tex.

 BRIGDEN, J. KRAIG (S'56-M'57), Mem. Tech. Staff, Space Technology Labs., Inc., Box 505001, Airport Sta., Los Angeles 45, Calif.

 BRIGGS, ARNOLD S., (M'53). Loudsneaker Speciality. CE

- BRIGGS, ARNOLD S. (M'53), Loudspeaker Specialist, GE Co., Syracuse, N.Y. BRIGGS, EDGAR Z. (A'56), Service Foreman, New York Telephone Co., 199 Fulton Ave., Hempstead, L.I., N.Y. BRIGGS, GEORGE R. (A'55-SM'58), Research Engr., RCA Labs., Princeton, N.J.
- RCG Labs., Princeton, N.J. BRIGGS, GEORGE U, (S'55-M'57), Field Service Rep., GE Co., Utica, N.Y. BRIGGS, JAMES B. (S'55-A'57), 1st Lt., USAF, Project Officer, AF Special Weapons Center, Kirtland AFB, N.M.

- BRIGGS , JOHN G. (S'49-A'50-M'56), Engr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif. BRIGGS , JOSEPH P. (A'46), Asst. Mgr., Engrg., Shenan-doah Life Stations, Inc., 3rd St. & Church Ave., S.W., Roanoke 7, Va.

- Roanoke 7, Va.

 BRIGGS, MAYNARD R. (A'37-SM'46-F'54), Mgr.,
 Missile Ground Control Engra., Westinghouse Elec. Corp.,
 Box 1897, Baltimore 3, Md.

 KIGGS, NORMAN W. (S'54-A'59), Applied Mathematician,
 The Mitre Corp., Box 208, Lexington 73, Mass.

 BRIGGS, RICHARD S. (A'41-M'55), Chief Engr., Bomac
 Labs., Inc., Salem Rd., Beverly, Mass.

 BRIGGS, ROBERT F. (M'46), V.P. & Chief Engr., PerryBriggs Co., Inc., 4403 Superior Ave., Cleveliand 3, Ohio.

 BRIGGS, RONALD H. (M'57), Electronic Digital Computer
 Engr., English Electric Co., Data Processing & Electronic
 Control Div., Kidsgrove, Staffs., England.

 BRIGGS, THOMAS H. (A'45-SM'45), Pres. Riggs As-
- BRIGGS, THOMAS H. (A'45-SM'45), Pres., Briggs Associates, Inc., 10 DeKaib St., Norristown, Pa.
 BRIGHAM, JOHN C. (M'56), Maj., USAF, Ground Electronics Officer, AFSC 3044, Detachment 10, 6th Weather Group, APO 862, New York, N.Y.
 BRIGHAM, ROBERT C. (S'54-A'59), Engr., Martin Co., Orlando, Fla.
- BRIGHT, DAVID W. (M'58), Assoc. Engr., IBM, Kingston,
- N.Y.
 BRIGHT, DONALD C. (SM'49), Mgr., Govt. Mktg., RCA,
 11819 W. Olympic Blvd., Los Angeles 64, Calif.
 BRIGHT, FRED W. (M'49), Prof., Elec. Engrg., A & I
 State Univ., Nashville 8, Tenn.

- BRIGHT, FRED W. (M'49), Prof., Elec. Engrg., A & I
 State Univ., Nashville 8, Tenn.
 BRIGHT, HERBERT S. (S'41-A'45-SM'52), Supvg.
 Scientist, Computation Planning Sect., WestinghouseBettis, Box 1468, Pittsburgh 30, Pa.

 BRIGHT, JAMES A. (S'56-M'58), Mem. Tech. Staff,
 Ramo-Wooldridge Corp., Box 5073, Denver 17, Colo.

 BRIGHT, JOHN Q. (SM'58), Dept. Chief, Western Electric
 Co., Winston Salem, N.C.

 BRIGHT, ROBERT, JR. (A'51-M'53-SM'56), Mobile
 Radio Engr., AT&T. Co., 195 Broadway, New York 7, N.Y.

 BRIGHT, THOMAS F. (A'49), Engr., Avion Instrument
 Corp., State Hwy. 17, Paramus, N.J.

 BRIGHTWELL, STANLEY A. (S'54-M'56), Sqdn. Leader,
 RCAF, RCAF Sta., Clinton, Dnt., Canada.
 BRIL, DUANE H. (S'51-A'53-M'158), Project Engr.,
 GE Co., HMED, Syracuse, N.Y.

 BRILES, WILBUR F. (S'59-A'51-M'56), Project Engr.,
 Crosley Div., Avco Mfg. Co., 2630 Glendale-Milford Rd.,
 Cincinnat 15, Ohio.

 BRILL, HARVEY A. (S'55-M'57), Engr., 1TT Labs.,
 Nutley 10, N.J.

 BRILL, HOMAS

- BRILL, HARVEY A. (S'55-M'57), Eng., ITT Labs., Nutley 10, N.J.
 BRILL, THOMAS (SM'55), Dir., Electronics Div., Argonne Nati. Lab., Box 299, Lemont, III
 BRILL, HART, MORRIS F. (A'54), Dev. Engr., Libby Owens Ford Glass Co., E. Broadway, Toledo, Dhio.
 BRILLIANT, MARTIN B. (S'54-M'58), Systems Engr., National Co., Inc., 61 Sherman St., Maldien 48, Mass.
 BRILMAYER, EUGENE W. (A'44-M'55), Electronics Engr., Sherman & Associates, 63 Park Row, New York, N.Y.
 BRIMBECOM, ROBERT J. (S'56-M'58), Engr., Bayly Engrs., Ltd., 1st St., Ajax, Dnt., Canada.
 BRIMBERG, MURRY M. (A'37-M'47-SM'52), Mfrs'. Rep., Brimberg Associates, Investment Bidg., Washington 5, D.C.
 BRINCKA, JOHN J. (S'49-A'50-M'55), Engr., Rola Co., 2530 Superior Ave., Cleveland 14, Ohio.
 BRINCKA, JOHN J. (A'48-M'55), Asst., Prof., Univ. of Pittsburgh, Elec. Engrs., Dept., Pittsburgh 13, Pa.
 BRINDKA, WILLIAM E. (M'57), Sr. Electronics Engr., Research & Advanced Dev. Div., Avco Mfg. Co., Lawrence, Mass.
 BRINER, CHARLES D. (S'52-A'54), Engr. Calling Particulars.
- Mass.
 BRINER, CHARLES D. (S'52-A'54), Engr., Collins Radlo
 Co., Cedar Rapids, Jowa.
 BRINGELSON, ALVIN L. (S'57-M'59), Field Engr.,
 Western Electric Co., Winston-Salem, N.C.
 BRINGMAN, JOSEPH M. (M'55), Field Test Sect. Leader,
 Ordnance Research Lab., Penn State Univ., University
 Park, Pa.
- Park, Pa.

 BRINK, DONALD K. (M'56), Sr. Process Engr., Bendix Aviation Corp., 95 St. & Troost, Kansas City, Mo.

 BRINK, EDWIN W. (M'59), Design Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 BRINKERHOFF, DONALD E. (A'54), Acoustical Engr., CMC Kekomo. Ind.
- GMC, Kokomo, Ind. BRINKMAN, HAROLD A. (A'43-M'55), Chief Engr., WJW-TV, Storer Broadcasting Co., 1630 Euclid Ave., Cleveland 15, Ohio.
- BRINKMAN, JOHN D. (M'57), 608 Bear St., Syracuse 8,
- BRIND, JOSEPH A., JR. (S'57-M'58), Component Dev. Test Group Engr., Curtiss-Wright Corp., Rte 46, Caldwell, N.J.
- well, N.J.

 BRINSTER, JOHN F. (SM'57), Pres., Genl. Devices, Inc., Princeton, N.J.

 BRINTON, JOHN H. (M'56), Sr. Research Engr., The Franklin Institute, 20 & Pkwy., Philadelphia 3, Pa.

 BRINTON, ROBERT L. (S'43-A'44-M'52-SM'53), Genl.

 Supt. of Communications, Pacific Gas & Electric Co., 245

 Market St., San Francisco 6, Calif.

 Market St., San Francisco 6, Calif.
- BRISBAR, PETER J. (A'55), Field Observer, Geophysical Services, Inc., Roman House, Cripplegate Bldg., London, EC1, England.
- EC1, England.

 BRISCOE, FRANK J. (S'57-M'59), Engr., Instrument Div., The Perkin-Elmer Corp., Main Ave., Norwalk, Conn.

 BRISCOE, HERSCHELL R., (A'55), Chief Engr., Studio Facilities, WDEF Broadcasting Co., Chattanooga 2, Tenn.

 BRISCOE, WILLIAM L. (A'44-SM'54), Research Sect.

 Head, Electronics Group, Los Alamos Lab., Los Alamos, N.M.
- BRISK, HARRY L. (A'55), Owner, Accredited Personnel Service, 12 S. 12 St., Philadelphia, Pa.
- Service, 12 S. 12 St., Philadelphia, Pa.
 BRISKIN, HERBERT B. (A'46-S'48-A'51-SM'58), Mgr.,
 Electronics Dev. Dept., Reconnaissance Systems Lab.,
 Sylvania Elec. Prods., Inc., Box 188, Mountain View,
- BRISKMAN, ROBERT D. (S'54-A'55), Electronics Engr., Army Security Agency, 4000 Arlington Blvd., Arlington,
- Scientific Research Lab., 5001 Kearny-Villa Rd., San Diego, Calif.

- BRISTOL, EDGAR H. (M'59), Technician, Daystrom Electric, W. Cedar St., Poughkeepsie, N.Y.
 BRISTOL, HAROLD B. (S'43-A'45-M'53), Project Engr., Raytheon Mig. Co., Wayland, Mass.
 BRISTOL, RAYMOND W. (A'46-M'56), Exec. V.P., Hogan Labs., Inc., 155 Perry St., New York 14, N.Y.
 BRISTOL, STANLEY M. (M'56), Electronics Dev. Engr., Packard Instrument Co., Box 428, LaGrange, Ill.
 BRISTOL, THOMAS R. (A'50-M'52-SM'55), Mgr., Application Engrg., Power Tube Dept., GE Co., Schenectady 5, N.Y.
- N.Y.
 BRISTOW, GEORGE P., JR. (M'58), Chief, Outside Wire
 Engro. Branch, USAF, Kelly AFB. Tex.
 BRISTOW, SAMUEL C. (SM'56), Specialist, Elec. Equipment Design, GE Co., 316 E. 9th St., Owensboro, Ky.
 BRITNER, RONALD O., JR. (S'57-M'59), Elec. Engr.,
 U.S. Naval Ordnance Lab., Silver Spring, Md.
 BRITNEY, OSCAR L. (M'45), Radio Engr., Dept. of Transport Air Services, *3 Temporary Bidg., Ottawa, Ont.,
 Canada.
- BRITO INFANTE, JOSE M. (A'56), 575 Avda. Libertad,
- BRITO INFANTE, JUSE M. (A 20), 373 Avua. Electroly Vina Del Mar, Chile.

 BRITT, CHESTER O. (S'50-A'51-M'55), Systems Dev. Specialist, Elec. Engrg. Research Lab., Box 8026, University Sta., Austin, Tex.

 BRITTAIN, GILBERT H. (S'42-A'44-M'52-SM'57), Supvr., Advanced Systems, Instrumentation, Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif.

 BRITTAIN, JAMES E. (S'56 A'59), Jr. Research Engr., Univ. of Tennessee, Ferris Hall, Knoxville, Tenn.

 BRITTAIN, JOSEPH F. (A'53-M'59), Electronics Engr., USAF, Wright-Patterson AFB, Ohio.

 BRITTLE, DAVID F., JR. (A'53-M'57), Project Engr., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

- Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.
 Washington 5, D.C.
 BRITTO, JOHN D. (M'57), Engr.-in-Chg., Operations, U. S. Information Agency, Voice of America, IBS, Hew Bldg., Washington 25, D.C.
 BRITTON, CHARLES C. (S'44-A'48-M'55-SM'59), Assoc. Prof., Elec. Engrg., Colorado State Univ., Ft. Collins, Colo.
- Colo.

 BRITTON, CHARLES W. (A'53), Elec. Engr., Hoffman
 Labs., Inc., 3762 S. HIII, Los Angeles 7, Calif.
 BRITTON, DONALD D., (M'55), Washington Sales Rep
 Logistics Research, Inc., 141 S. Pacific Ave., Redon
- Logistics Res Beach, Calif BRITTON, E. ROBERT (SM'58), Project Engr., Test Facilities Group, Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.
- BRITTON, J. ROBERTS (M'56), Supt. Power System Operations, The Hawaiian Electric Co., Box 2750, Honolulu 3, Hawaii.
- 3, Hawaii.
 BRITTON, JDHN W., JR. (S'57-M'58), Electronics Engr.,
 Hughes Aircraft Co., Tucson, Arlz.
 BRITTON, RALPH H., JR. (M'57), Elec. Engr., HewlettPackard Co., 275 Page Mill Rd., Palo Alto, Calif.

- DRI 110N, RALPH H., JR. (M°57), EIEC. Engr., Newett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 BRITTON, ROBERT C. (A'51), Electronics Specialist, Harford Hospital, 80 Seymour St., Harford 15, Conn.

 BRITTON, ROBERT W. (SM'56), Group Head, Collins Radio Co., Cedar Rapids, Iowa.

 BRNJAC, JOHN B. (M'59), Pres., Dynacraft, Inc., 4079
 Bayless, St. Louis, Mo.

 BROADHEAD, SAMUEL L., JR. (M'53-SM'56), Project Engr., Collins Radio Co., Cedar Rapids, Iowa.

 BROADWELL, BOBBY L. (S'56-M'157), Engr., R. J. Reynolds Tobacco Co., Winston-Salem, N. C.

 System Studies, RCA, Burlington, Mass.

 BROADWELL, WALTER B. (M'56), Mem. Tech. Staff, Electronic Control Systems, 2231 Barrington Ave., Los Angeles 25, Calif.

 BROADY STEPHEN N. (S'47-A'51-M'56-SM'57), Sr.
- DRUADY, STEPHEN N. (S'47-A'51-M'56-SM'57), Sr. Engr., Electronic Communications, Inc., Timonium, Md. BROATCH, N. LEWIS (M'58), Engr., Specialist, No. Amer. Aviation, Internati. Airport, Los Angeles, Calif. BROBECK, WILLIAM M. (SN'5B), Dir., Wm. M. Brobeck & Associates, 1920 Park Blvd., Oakland 6, Calif. BROBST, JAMES D. (S'54-M'56), Design Engr., Collins Radio Co., Cedar Rapids, Jowa.
 BROBST, PAUL L. (S'54-M'56), Sr. Electronics Engr., Natl. Cash Register Co., S. Main & K Sts., Dayton 9, Ohio. BROADY, STEPHEN N. (S'47-A'51-M'56-SM'57), Sr.

- BROCINER, VICTOR (A'40-M'46), Staff Consultant, University Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N.Y.
- Plains, N.Y.
 BROCK, COY O. (A'52-M'57), Electronics Engr., U.S.
 Army, Redstone Arsenal, Ala.
 BROCK, ERNEST G. (SM'56), Sr. Physicist, Linfleld Research Institute, McMinnville, Ore.
- search Institute, McMinnville, Ore.
 BROCK, FRANK M. (A'54-M'58), Design Engr., RCA, Camden, N. J.
 BROCK, FRED A. (A'46-M'53), Chief Research Engr., Geophysical Service, Inc., Box 35084, Dailas 35, Tex.
 BROCK, GEORGE W., JR. (M'54), Electronics Engr., Pickard & Burns, Inc., 240 Highland Ave., Needham, Mass.
 BROCK, GERALD A. (A'56), Radio Technician, Radio Supply & Service Co., 1965 McIntyre St., Regina, Sask., Candada.

- ada.

 BROCK, JAMES M. (M'56), Chief Engr., Beede Electrical Instrument Co., West St., Penacook, N.H.

 BROCK, PAUL A. (S'53-M'56), Project Engr., Dynamic Systems, Kin Tel Div., Cohu Electronics, 5725 Kearny VIIIa Rd., San Diego, Calif.

 BROCK, ROBERT L. (M'57), Mathematics Unit Chief, Systems Mngl. Office, Boeing Airplane Co., Seattle 66, Wash.

 BROCK, WAYNE P. (S'55-M'56), Aerophysics Engr., Convair, Ft. Worth, Tox.

 BROCK, WILLIAM R. (A'44-M'54), TV Engr., CBS-WBBM-TV, 630 N. McClung St., Chicago, III.

 BROCKEL, EDWARD P. (A'55), Dir., Quality Control, Tung-Sol Electric, Inc., 200 Bloomfield Ave., Bloomfield, N.J.
- BROCKEL, HERBERT W. (A'52), Project Engr., Application Engrg. Div., U.S. Army Signal Equipment Support Agency, Ft. Monmouth, N.J.
- Ft. Molmouth, N.J.

 BROCKETT, DAVID F. (A'54), Sales Engr., Raytheon
 Mfg. Co., 9501 Grand Ave., Franklin Park, III.

 BROCKETT, GEORGE F. (M'58), Elec. Engr., Instrument
 Dev., Phillips Petroleum Co., AEC Dev., P.O. Box 1259, Idaho Falls, Idaho.

RRO-RRO - 107 -

- BROCKETT, ROBERT I. (S'51-A'55), Analytical Engr., Combustion Engrg., Prospect Hill Rd., Windsor, Conn. BROCKINGTON, HARRY F. (M'52), Assoc. Engr., IBM, Endicott, N.Y.
- Engicott, N.Y.

 BROCKMAN, MILTON H. (S'43-A'45-M'50-SM'53), Research Super., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.

 BROCKNER, CHARLES E. (A'43-SM'50), Engrg. Dept. Head, Advanced Dev., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- L.I., N.Y.
 BROCKWAY, ARTHUR L., JR. (M'56), Systems Engr.,
 Bendix Radio, Baltimore 4, Md.
 BROCKWAY, DON C. (A'30-VA'39), Los Angeles Board
 of Education Teacher, Professional Engr., 1039 Amherst
 Dr., Burbank, Calif.
- BROCKWAY, ROBERT M. (A'45-M'55), Asst. Chief Engr., Indiana Broadcasting Corp., 1440 N. Meridian St., Indian-apolis 2, Ind.
- apolis 2, Ind.

 BROCKWAY, WILLIAM W. (A'36-VA'39-SM'54), Pres.-Engr., Dynawood Corp. & Crown Electronics Corp., 15026
 Oxnard St., Van Nuys, Calif.

 BROD, FREDERICK W. (A'56), Technician, Cornwall Television Service, 337 Pitt St., Cornwall, Ont., Canada.

 BRODD, WAYNE D. (A'54), Staff Engr., IBM, Poughkeepsie,
- BRODE , ROBERT L. (SM'57), Unit Chief , Electronics Engr. , Wright Air Development Center , Wright-Patterson Engr., Wrlgi AFB, Ohio.

- AFB, Ohio.
 BRODEK, WILLIAM J. (A'51-M'58), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 BRODEN, BERNARD W. (S'49-A'52-M'57), Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 BRODER, ALAN (S'48-A'52-M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BRODER, LEONARD J. (M'58), Microwave Engr., Allstates
 Design & Development Co., Inc., 25-29 N. Warren St.,
 Trenton, N.J.
 BRODERICK, DONALD L. (S'48-A'50-M'56), Design Foor
- BRODERICK , DONALD L. (S'48-A'50-M'56), Design Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
- Calif.

 BRODERICK, HENRY M., JR., (A'52-M'58), Chief Engr., Connecticut Broadcasting Co., WDRC, B69 Blue Hills Ave., Hartford 12, Conn.

 BRODERICK, NICHOLAS E. (A'50-M'54-SM'56), Mgr., Field Engrg. Div., Thomas Electronics, Inc., 118 9 St., Passaic, N.J.

 BRODERS, ELMER L. (A'54), Sr. Engr., Engrg. Dept., Long Lines Dept., AT&T Co., 811 Main St., Kansas City 6, Mo.

 BRODERSEN, LAPRY M. (ELECTRICE)

- 6, Mo.

 BRODERSEN, LARRY K. (S'56-M'57), Microwave Tube Engr., GE Co., 601 California Ave., Palo Alto, Calif.
 BRODERSON, LLOYD V. (A'39), Communications Supvr., Federal-State Market News Service, California State Dept., Agriculture, 1220 N. St., Sacramento 14, Calif.
 BRODHEAD, WOODRUFF M. (A'46-M'55), Partner, Cowperthwait & Brodhead, 570 Hillside Ave., Needham Heights 94, Mass.
- BRODDEIM, ERIC (S'52-A'53-M'59), Electronics Engr., Columbia Univ., Electronic Research Labs., 632 W. 125 St., New York 25, N.Y.
 BRODIE, ALFRED H. (A'31-M'46), Asst. Chief, Engrg. Div., Field Engrg. & Monitoring Bureau, FCC, Washington 25, D.C.
- BRODIE, GEORGE H. (M'47), Dir., Engag., Kellogg Switchboard & Supply Co., 6550 S. Cicero Ave., Chicago 38, III.
- BRODIE, R. BRUCE (S'52-M'56), Systems Engr., Internati. Electric Co., Rte. 17 & Garden State Pkwy., Paramus, N.J.
- mus, N.J.

 BRODIE, WILLIAM A. (A'57), Owner, Brodle Communications Co., Box 687, Brandon, Fla.

 BRDDIN, JEAN (A'54), Prof. agreeg, Docteur en Physique, Ecole Nationale Superleure de l'Aeronautique, 32 Blvd.

 Victor, Paris IS, France.

 BRODING, ROBERT A. (S'39-A'40-M'44-SM'47), V.P., Research & Dev., Century Geophysical Corp., 515 S. Main St., Tulsa, Okla.
- BRODING, ROBERT A. (S'39-A'40-M'44-SM'47), V.P., Research & Dev., Century Geophysical Corp., 515 S. Main St., Tulsa, Okla.

 BRODKOWICZ, JOHN S. (S'50-A'51-M'56), Sr., Engr., McDomell Aircraft Corp., Box 516, St., Louis 3, Mo.

 BRDORIBB, MAXWELL I. (A'44-M'55), Prop., M. Brodribb, 68-72 Cape St., Heidelberg N 22, Victoria, Australia.

 BRODRICK, LOWELL G. (M'57), Project Engr., P.R. Mallory & Co., 3029 E. Washington, Indianapolis 6, Ind.

 BRDDSKY, J. LEON (A'45-M'55), Tech. Dir., Plastoid Corp., Gingerbread Rd., Hamburg, N.J.

 BRODSKY, SAUL (A'42), Quality Control Engr., Padio & Television Operation, Canadian GE Co., Ltd., R30 Lansdowne Ave., Toronto 4, Ont., Canada.

 BRODWIN, MORRIS E. (A'49-M'55), Research Scientist, Radiation Lab., The John Hopkins Univ., Baltimore 3, Md.

 BRODY, GERALD H. (S'53-A'55), Elec. Engr., Raytheon M'g. Co., Wayland, Mass.

 BRODY, HERBERT (A'59), Sales Engr., Arrow Electronics, Inc., 525 Jericho Thee, Mineola, L.I., N.Y.

 BRODY, JACOB (S'47-A'50-M'55), Sr., Instr., RCA Institutes, Inc., 350 W. 4 St., New York 14, N.Y.

 BRODY, RICHARD H. (M'58), Research Physicist, Santa Barbara Research Certer, Goleta, Calif.

 BRODZINSKY, ALBERT (A'53-M'55), Electronics Engr., Naval Research Lab., Washington 25, D.C.

 BRODZINSKY, ALBERT (A'53-M'55), Plectronics Engr., Research Cabin View, Calif.

 BRODZINSKY, WILLIAM C. (SM'55), V.P., Dir., Research & Dev., O-V Controls, Inc., 101 Okner Pkwy., Box 85, Livingston, N.J.

 BRODEKHUYSEN, WILLIAM C. (SM'55), P.P., Dir., Research & Dev., O-V Controls, Inc., 101 Okner Pkwy., Box 85, Livingston, N.J.

 BROEAN, FRANCIS A. (A'50-M'54-SM'55), Electronics

 BROCAN, FRANCIS A. (A'50-M'54-SM'55), Electronics

- Netherlands.

 BROGAN , FRANCIS A. (A'50-M'54-SM'55) , Electronics Engr., School of Aviation Medicine , Randolph Field , Tex. BROGAN , JOSEPH M. (A'49-M'55), Research Assoc., Microwave Research Institute , Polytechnic Institute of Brooklyn, 55 Johnson St. , Brooklyn, N.Y.
 BROGDEN , JOHN W. (A'47-M'55-SM'57), Electronics Scientist , Naval Research Lab. , Washington 25, D. C.
 BRDKAW , HAL R. (A'43-M'46), Supvr., Electronics Engr., Resident Industrial Mgr., U. S. Naval Sta., San Diego 36, Calif.

- BROLLY, A. H. (A'27-M'34-SM'43), Mgr., Equipment Fabrication Oept., Electronics Defense Lab., Sylvania Elec. Prods., Inc., 123 Whisman Rd., Mountain View, Calif. BROMAN, HAROLD F. (A'41-M'46), Sr. Engra, Draftsman, Radio Maint, & Engra, American Airlines, Inc., LaGuardia Airport, Flushing, L. I., N. Y.

 BROMAN, WILLIAM N. (A'5B), Inspector, Texas Dept. of Public Safety, Austin, Tex.
 BROMANDER, GAYLE C. (S'52-M'56), Evaluation Supvr., Aeronautical Div., Minneapolis-Honeywell Regulator Co., 13350 U. S. Hwy. 19, St. Petersburg, Fla.

 BROMBERG, BEN G. (SM'5B), Missile Chief Engr., McDonnell Aircraft Corp., St. Louis 66, Mo.

 BROMBERG, JAY J. (S'43-A'47), 136 W. 179 St., New York 53, N.Y.

 BROMBERG, RICHARD S. (S'57-M'59), Engr., Autone-

- BROMBERG, RICHARD S. (S'57-M'59), Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

- Equipment Co., 175 5 Ave., New York 10, N.Y.
 BROMLEY, J. EODY (A'47-M'55), Deputy Chief Engr.,
 Services Div., Rome Air Development Center, N.Y.
 BROMLEY, R. A. (A'42), Small Instrument Repair, R. A.
 Bromley Co., 1949 3rd Ave., Hurtington, W. Va.
 BROMS, BYRON H. (A'51), Field Engrg. Mgr., Tektronix,
 Inc., Box 831, Portland 7, Ore.
 BRONER, MAURICE A. (SM'57), Research Engr., Lockheed
 Missile & Space Div., Sunnyvale, Calif.
 BRONKOLA, HAROLD J. (A'57), 2194 Dudley Ave., St.
 Paul B, Minn.
 BRONSON ROBERT D. (M'54), Sr. Flight Test Engr.,

- Paul B, Minn.

 BRONSON, ROBERT D. (M'54), Sr. Flight Test Engr.,
 Convair, Box 74B, Ft. Worth, Tex.

 BRONSTEIN, DAVID (M'58), Dev. Engr., Ministry of
 Defence, Govt. of Israel, Tel Aviv, Israel.

 BRONSTEIN, FRED (A'54), Principal Engr., Ford Instrument Co., 31-10 Tlomson Ave., Long Island City I, N.Y.

 BRONSTEIN, LEDNARD M. (A'54), Research Engr., Jet
 Propulsion Lab., California Institute of Technology,
 Pasadena, Calif.
- BRONSTEIN, SIGMUND H. (M'56), Secy.-Treas., Pentapco, Inc., 33-40 127 Pl., Corona 68, L.I., N.Y. BRONWELL, ARTHUR B. (A'39-SM'43-F'56), Pres., Worcester Polytechnic Institute, Worcester 9, Mass.
- BROODO, ARCHIE (M'57), Head, Component Dev. Branch, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

- Tex.

 BRODK, ALF (A'29), Draftsman, Westinghouse Flec. Corp., East Pittsburgh, Pa.

 BROOK, ARTHUR H. (M'5B), Sr. Engr., Texas Instruments, Inc., Box 6027, Houston 6, Tex.

 BRODK, CYRIL R. (A'58), Engr., Bendix Radio Div., Towson 4, Md.
- 4, MG.
 BROOK, ROBERT H. (A'51-M'56), Project Engr., Filtron
 Co., Inc., 131-15 Fowler Ave., Flushing, L.I., N.Y.
 BROOKE, A. WAYNE (A'50-M'57), Project Engr., IBM,
 Endicott, N.Y.

- Endicott, N.Y.

 BROOKE, CARL E. (A'54), PBX Repairman, Michigan Bell Tel. Co., 220 N. Capitol, Lansing, Mich.

 BROOKE, EDWARD F. (A'31-M'45), Partner, Pickerington Lumber Co., Pickerington, Ohio.

 BROOKE, HUGH A. (A'37-VA'39-SM'51), Engr. 1, United Kingdom Atomic Energy Authority, Aldermaston, Berkshire, England.
- BRODKER, ELMER C., JR. (S'50-A'51-M'56), Sr. Test Engr., Convair, Ft. Worth, Tex. BRODKES, KILBOURNE E. (A'56), 1745 N.W. 48, Miami 42, Fla.
- BROOKES, KILBOURNE E. (4/36), 7/39 N.W. 43, Minim 42, Fia.

 BROOKFIELD, RICHARD F. (A/51), Mgr., Herbert Hayes Yacht Sales, 6/240 S.W. 145 St., Miami 56, Fla.

 BROOKING, CARL P. (5/57-M/58), Ensign, USNR., Oiv. Officer, U.S. Naval Examining Center, U.S. Naval Training Center, Great Lakes, III.

 BROOKING, MARVIN E. (S'49-A'53-M'58), Electronics Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 BROOKINS, ROBERT U. (M'58), Electronics Engr., U. S. Army Signal Research & Dev. Lab., Ft. Monmouth, N.J.

 BROOKMAN, CLYDE F., JR. (A'56), Engr.-in-Chg., RAPCON, FAA, Box 1307, Fairchild AFB, Wash.

 BROOKMER, ELI (S'52-A'53-M'58), Project Engr., Federal Spientific Corp., 615 W. 131 St., New York 27, N.Y.

 BROOKS, CHARLES E. (S'47-A'49-M'53), Electronics

- SPIERRITIC LOTD., 615 W. 131 St., New York 27, N.Y.
 BROUKS, CHARLES L. (S'47-A'49-M'53), Electronics
 Scientist, Aeronautical Computer Lab., U. S. Naval Air
 Development Center, Johnsville, Pa.
 BROOKS, CHARLES L., JR. (A'54), Electronics Engr.,
 The Army Signal Supply Agency, 225 S. 1B St.,
 Philadelphia, Pa.
- Philadelphia, Pa.

 BROOKS, EDWARD P. (M'52), Mng. Partner, Brooks, Feeger & Associates, 1122C San Mateo, S.E., Albuquerque, N.M.
 BROOKS, FRANK E. (A'44-M'51), Electronics Engr., U. S. Naval Proving Ground, Box 151, Dahlgren, Va.
 BROOKS, FRANKLIN C. (M'58), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.
 BROOKS, FRED A., JR. (S'55-M'56), Assoc. Elec. Engr., Dunlap & Associates, Inc., 429 Atlantic St., Stamford, Conn.

- Conn.

 BROOKS, FREDERICK E., JR. (S'42-A'44-M'48-SM'54-F'58), Dir., Research & Dev., Texas Div., Collins Radio Co., 1930 Hilline Dr., Dallas, Tex.

 BROOKS, FREDERICK P. (S'54-M'57), Advisory Engr., Prod. Dev. Lab., IBM, Poughkeepsie, N.Y.

 BROOKS, GEORGE R. (M'53), Sr. Dev. Engr., Digital Computer Dept., Ferranti, Ltd., Moston, Manchester 10, England.
- BROOKS, GEORGE W. (A'38-VA'39-M'50), Radio Tech-nician, WOU, New England Telephone & Telegraph Co., Green Harbor, Mass.
- wreen narroor, Mass.

 BROOKS, HERBERT B. (SM'55), Asst. Mgr., Satellite
 Modification & Checkout Dev. Dept., Lockheed Missiles
 & Space Div., Palo Alto, Calif.
 BROOKS, JAMES L. (M'51), Group Engr., Convair, Ft.
 Worth, Tex.
- Worth, Tex.
 BROOKS, JAMES W. (M'58), Genl. Engr., Naval Ordnance
 Lab., White Oak, Silver Spring, Md.
 BROOKS, JUDSON F. (M'52-5M'55), Chief Electronics
 Engr., U.S. Naval Sta., Office of Asst. Electronics
 Officer, Key West, Fla.
- BROOKS, LAWRENCE C. (A'51-M'56), Sales Rep., Spartan Aircraft Co., Municipal Airport, Tulsa, Okla.

- BROOKS, LORIMER P. (A'50-M'55), Patent Atty., Ward, Neal, Haselton, Orme & McElhannon, 225 Braodway, New York 7, N.Y.

- Near, masetton, Umme & McCLinannon, 225 Braodway, New York 7, N.Y.

 BROOKS, MALCOLM S. (A'57), Sr. Prod. Engr., Instruments for Industry, Inc., 101 New South Rd., Hicksville, L.I., N.Y.

 BROOKS, MELVIN M. (S'56-A'57), Group, Residence Service Engr., Martin Co., Orlando, Fla.

 BROOKS, MORRIS J. (M'5B), Head, Electronics Reference Standards Lab., Charleston Naval Shipyard, Charleston, S.C.

 BROOKS, NCELSON S. (M'55), Col., Dir., Industrial College of the Armed Forces, Ft. Leslie J. McNair, Washington, D.C.

 BROOKS, NORMAN E., JR. (M'57), V.P., Treas., East Coast Liaison, Inc., Box 4594, Baltimore 12, Md.

 BROOKS, PHILLIPS R., JR. (S'54-M'57), Sr. Engr., Epsco., Inc., 5BB Commonwealth Ave., Boston 15, Mass.

 BROOKS, RAINEY M. (M'56), Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 LROOKS, RICHARD E. (M'56), Design Engr., RCA Harrison, N.J.

- N.J. BROOKS, RICHARD O. (S'56-M'5B), Asst. Engr., Research & Advanced Dev., Avco Mfg. Co., 201 Lowell St., Wilmington, Mass.

- Wilmington, Mass.

 BROOKS, RICHARD S. (S'56-M'5B), Sr. Engr., Martin Co., Baltimore, Md.

 BROOKS, WILLIAM O. (A'49-M'51-SM'55), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 El Segundo Blvd., Los Angeles, Calif.

 BROOKS, ROBERT C. (A'52), TV Engr., Westinghouse Broadcasting Co., 815 Superior Ave., Cleveland 14, Ohio.

 BROOKS, WILLIAM (A'57), Dev. Engr., Sperry Gyroscope Co., Sunnyvale, Calif.

 BROOKSHIER, WILLIAM K. (S'49-A'50-M'55), Assoc. Electronics Engr., Argonne Natl. Lab., Box 299, Lemont, III.

- III.
 BROOMALL, JOHN M. (A'47-M'47-SM'53), Dev. Engr.,
 Burroughs Corp., Research Center, Paoli, Pa.
 BROOME, PAUL W., JR. (S'54-M'56), Sr. Electronics
 Engr., Convair-Astronautics, Box 1128, San Diego 12,
 Calif.
- Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.

 BROOMER, CYRIL J. (M'5B), Assoc. Research Scientist, New York Univ., 401 W. 205 St., New York 34, N.Y.

 BROPHY, REGINALD M. (A'46-SM'46), Pres., Philips Canadian Industrial Development Co., Ltd., 76 St. Clair Ave., W., Toronto 7, ONT., Canada, Chm. of Bd., Rogers Majestic Electronics, Ltd., 11-19 Brentcliffe Rd., Leaside, Toronto 17, Ont., Canada.

 BROPHY, WILLIAM T. (A'54), Engrg. Mgr., Federal Electric Coro., Rte. 17, Paramus, N.J.

 BROSAL, JACK (A'58), Laison Engr., System Development Coro., 2500 Colorado, Santa Monica, Calif.

 BROSCH, JACK (A'58), Laison Engr., System Development Coro., 2500 Colorado, Santa Monica, Calif.

 BROSCH, WALTER A. (S'58-M'59), Asst. Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

 BROSECHINI, BILL L. (S'49-A'51-M'58), Sr. Engr., Magnavox Co., 2131 Bueter Rd., Ft. Wayne, Ind.

 BROSIOUS, DANIEL R. (S'57-M'59), Engr. Asst., Bethlehem Steel Co., Bethlehem, Pa.

 BROSKY, KARL T. (S'56-A'5B), 7225 Sycamore, Kansas City, Mo.

 BROSNAHAN, ROBERT E., JR. (M'58), Project Engr., Microwave Development Labs., Inc., 11 Michigan Dr., Natick, Mass.

 BROSSEAU, EUGENE F. (M'56), Tech. Asst. to Resident Mgr., Research Lab., IBM. Poudhkeensie. N V

- Natick, Mass.

 BROSSEAU, EUGENE F. (M'56), Tech. Asst. to Resident Mgr., Research Lab., IBM, Poughkeepsie, N.Y.

 BROSSOK, WILLIAM C. (5'49-A'50-M'57), Sect. Chief, Western Electric Co., Sage Bidg., Battle Creek, Mich.

 BROSTER, GEORGE S. (A'46-M'55), Contract Administrator, Raytheon Mfg. Co., Waltham 54, Mass.

 BROSTRAND, ARTHUE C. (SM'58), Leader, Mech. Engrg., RCA, Moorestown, N.J.

- RGA, Moorestown, N.J.

 BROSTROM, KENNETH E. (M'58), Instr., Physics Dept.,
 Univ. of Washington, Seattle 5, Wash.

 BROTEN, NORMAN W. (S'47-A'50-M'57), Asst. Research
 Officer, Natl. Research Council of Canada, Ottawa, Ont.,
 Canada.
- BROTHERS, ALVA L., JR. (M'47), Oir., Programs & Requirements, Wright Air Oevelopment Center, Wright-Patterson AFB, Ohio.
- BROTHERS, JAMES T. (A'29-SM'45-F'59), Mgr., Comp. Engrg. Div., Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.
- PROTHERS, JOHN E. (S'51-A'54), Project Aerophysics Engr., Convair, Ft. Worth 1, Tex.
 BROTZMAN, E. STEPHEN (M'45-SM'53), V.P., Electronics Operations, Philos Corp., C & Tioga Sts., Philadelphia 34, Pa.
- BROUGH, JAMES R. (SM'55), Staff Engr., Avion Div., ACF Industries, 299 State Hwy. 17, Paramus, N.J. BROUGHALL, HENRY S. (M'54), Mgr., Administration, GE Co., Box 66, Warren AFB, Wyo. BROUGHAM, ROBERT W. (M'57), Design Engr., GE Co., Schenectady, N.Y. BROUGHAM, ACCOUNTY (ALAPLANE 2). Administration Accounts to the control of the contro
- ORDUGHAM, ROBERT W. (M'57), Design Engr., GE Co., Schenectady, N.Y.
 BROUGHER, ROY M. (A'48-M'52), Administrative Asst., Shell Development Co., Exploration & Production Research Div., Box 481, Houston, Tex.
 BROUGHTON, M. BLYTHE (S'52-A'55-S'56-M'58), Systems Engr., Canadian Armament Research & Development Est., Box 1427, Quebec, P. Q., Canada.
 BROUGHTON, WILLIAM G. (A'30-VA'39-M'55), District Sales Mgr., Broadcast Equipment, GE Co., Schenectady 7, N.Y.

- BROUNLETTE, DE LANO A. (S'55-M'56), Engr., Librascope, Inc., 808 Western Ave., Glendale, Calif.
 BROUNEUS, HAROLD A. (A'54-M'56), Sr. Elec. Engr., Coming Glass Works, Corning, N.Y.
 BROUNSTEIN, ARNOLD (S'51-M'58), Design Engr., Loral Electronics Corp., B25 Bronx River Ave., Bronx 72, N.Y.
 BROUS, DONALD W. (SM'56), Pres. Northeastern Engrg., Inc., 25 S. Bedford St., Manchester, N.H.
 BRDUSE, HAROLD L. (A'34-M'44-SM'47), Staff Prod.
 Mgr., Crosley Div., Avco Mfg. Corp., 1329 Arlington, Cincinnati 25, Ohio.
 BROUSSELY, MAURICE (S'56-A'57), Service Mgr., Ringmer TV, Inc., 75 E. Central Ave., Pearl River, N.Y.
 BROUTMAN, CHARLES A. (S'53-A'54-M'59), Sr. Engr., Electronics Engrg. Dept., Stromberg-Carlson Co., 14D0
 N. Goodman St., Rochester, N.Y.

- BROUWER, JOHN J. (A'57), Technician, CFPL-TV, London Free Press, Ltd., Commissioners Rd., London, Ont., Canada.
- BROUWER, NICK L. (M'58), Research Engr., Alcoa Research Labs., Box 772, New Kensington, Pa. BROWDE, ANATOLE (S'48-A'49-M'54-SM'57), Staff Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 24, Ohio.
- BROWDER, FRANCIS E. (M'48), Patent Atty., Westing-house Elec. Corp., East Pittsburgh, Pa. BROWDER, JAMES W. (M'47-SM'54), V.P., Western Design & Mg. Div., U. S. Industries, Santa Barbara Air-port, Santa Barbara, Calif.

- Design a. Mrd. DIV., U. S., Industries, Santa Barbara Airport, Santa Barbara, Calif.

 BROWDER, JAY E. (A'3B-M'44), Bendix Aviation Corp., Ann Arbor, Mich.

 BROWDER, LYNN P. (S'50-A'52-M'57), Elec. Engr., Dynatronics, Inc., 717 Amelia, Orlando, Fla.

 BROWDY, ALEXANDER A. (M'56), Chief Engr., KCOP-TV, 1000 N. Cathuenga, Hollywood 38, Calif.

 BROWER, H. PAUL (S'47-A'49-M'55), Project Engr., Collins Radio Co., Cedar Rapids, Iowa.

 BROWER, JOSEPH D. (M'54), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 BROWER, WILLIAM C. (M'57), Sr. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

 BROWN, A. C., LEWIS (M'53), Asst. Chief Engr., A. C. Nielsen Co., 2101 Howard St., Chicago 45, Ill.

 BROWN, ADAMANT (SM'52), Electronics Scientist, Office of Tech. Plans, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 BROWN, ALBERT E. (A'54), Electronics Technician, Radiation Lab., Univ. of California, Box 808, Livermore, Calif.

 BROWN, ALBERT E. (S'52-A'53-M'58), Dev. Engr.,
- ation Lab., Univ. of California, Box 808, Livermore, Calif.

 BROWN, ALBERT F. (S'52-A'53-M'58), Dev. Engr., Western Electric Co., c/o Bell Tel. Labs., Whippany, N. J.

 BROWN, ALBERT G. (M'55), Head of Radio Dept., Riversdale Tech. College, Aigburth, Liverpool 19, England.

 BROWN, ALEX T., III (S'49-A'50-M'58), Project Engr., ITT Labs., Nutley 10, N. J.

 BROWN, ALFRED B., JR. (SM'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 BROWN, ALFRED B., (M'57), Electronics Engr., Republic Aviation Corp., Farmingdale, L. I., N. Y.

 BROWN, ALLAN L. (M'59), Electronics Installation Technician, FAA, Internatl. Airport, Jamaica, L. I., N. Y.

 BROWN, ALVIN E. (S'48-A'49-M'55), Research Scientist, Lockheed Missiles & Space Div., Palo Alto, Calif.

 BROWN, ALVIN R. (S'49-A'51-M'56), Standards Engr., Arma Div., American Bosch Arma Corp., Garden City, L. I., N. Y.

 BROWN, ANTHONY C. (M'55), Dev. Engr., Cossor Radar &

- BROWN, ANTHONY C. (M'55), Dev. Engr., Cossor Radar & Electronics, Ltd., Elizabeth Way, Harlow, Essex, England. BROWN, ARCHIBALD S. (A'14-5M'47-F'56/LL), Special Asst. to Dir., Engrg. Research, Stanford Research Institute, Menlo Park, Calif.
- Menio Park, Laiir.

 BROWN, BARREMORE B. (A'44-M'55), Mgr., Power Tube Engr., RCA, New Holland Pike, Lancaster, Pa.

 BROWN, BARRY D. (5'53-A'55-M'57), Sr. Engr., Raytheon Mfg. Co., Bedford, Mass.

 BROWN, BARTON H. (S'56-M'59), 757 Sutter Ave., Palo Alto, Calif.

- BROWN, BENJAMIN L. (3'56-M'59), /5 / Sutter Ave., Palo Alto, Calif.

 BROWN, BENJAMIN L. (A'57), Quality Control Engr., Autonatics Div., No. Amer. Aviation, Downey, Calif.

 BROWN, BERGEN T., JR. (S'54-M'57), Elec. Engr., Serry Piedmont Co., Charlottesville, Va.

 BROWN, BERNARD W. (A'55), Mgr., Field Engrs. & Instrs., RCA Service Co., Box 1285, Ft. Sill, Okla.

 BROWN, BOB M. (M'57), Head, Physics Dept., Southwestern Univ., Georgetown, Tex.

 BROWN, BOYD O. (S'55-M'58), Engr., Mountain States Telephone & Telegraph, 70 S. State, Sait Lake City, Utah.

 BROWN, BRUCE K., JR. (A'56), Division Salesman, Westinghouse Elec. Corp., Box 2278, Pittsburgh 30, Pa.

 BROWN, BRUCE K., JR. (A'56), 2nd LL., USAF, Aircraft Maint. Officer, 4133 N.E., 75, Portland, Ore.

 BROWN, BYRON J. (S'48-A'49-M'55), Research Physicist, Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BROWN, C., JOSEPH (S'55-M'58), Dev. Engr., Sanborn.

- Calif.

 BROWN, C. JOSEPH (S'55-M'5B), Dev. Engr., Sanborn Co., 175 Wyman St., Waltham, Mass.

 BROWN, C. SCOTT (M'55), Chief, Audio Engrg., AMI, Inc., 1500 Union, S.E., Grand Rapids, Mich.

 Inc., 1500 Union, S.E., Grand Rapids, Mich.

 BROWN, CAROLL J. (S'49-A'51-M'57), Assoc. Engr., IBM, Research Lab., San Jose, Calif.

 BROWN, CARL R. (M'56), Principal Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y.

 BROWN, CARL W. (A'41-SM'46), Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

 BROWN, CARLETON M. (A'54), Asst. Prof., Elec. Engrg., Univ. of Maine, Orono, Me.

 BROWN, CAROLUS A. (SM'57), Mgr., Operation Central Projects, Computer Div., Aeronutronic Systems, Inc., Newport Beach, Calif.

 BROWN, CHAPLES A. (S'56-M'58), Electronics Engr..

- BROWN, CHAPLES A. (S'56-M'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester,
- BROWN, CHARLES B. (A'56-SM'57), Administrative Asst. to Pres., ESC Corp., 534 Bergen Blvd., Palisades Park, N.J.
- BROWN, CHARLES D. (M'56), Mgr., Mktg., GE Co., Utica, N.Y. BROWN, CHARLES F. (S'55-M'56), Asst. Prof., Electronic Engrg., California State Polytechnic College, San Luis Obispo, Calif.
- BROWN, CHARLES J. (A'52-M'57), Sales Mgr., Instru-ments Div., W. L. Maxson Corp., 475 10 Ave., New York, N.Y.
- BROWN, CHARLES K. (M'57), Engr., Martin Co., Orlando,
- Fla.

 BROWN, CHARLES M. (S'42-A'43-SM'55), Production & Engrg. Mgr., Satellite-Kennedy, Inc. of California, 4109 E1 Camino Way, Palo Alto, Calif.

 BROWN, CHARLES R. (M'55), Chief Engr., Maine Radio & Television Co., 157 High St., Portland, Me.

 BROWN, CHARLES R. (A'55), Project Engr., Electrodynamic Instrument Co., 251 Robinhood St., Houston 5, Tex.

 BROWN, CHARLES W. (S'49-A'50-M'55), Elec. Engr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif.

 BROWN, CHRISTOPHER B. (M'57), Systems Engr., Mitre Corp., Box 208, Lexington 73, Mass.

- 108 -
- BROWN, CLAIR J. (S'55-M'58), Dev. Engr., Sanborn Co., 175 Wyman St., Waitham, Mass.
 BROWN, CLARENCE J. (SM'57), Mem. Tech. Staff, Bell Tel. Labs., 204 Graham-Hopedale Rd., Burlington, N.C.
 BROWN, CLARENCE W., JR. (A'55), Subry, Central Office Foreman, Mountain States Telephone & Telegraph Co., 510 Texas St., El Paso, Tex.
 BROWN, CLAYTON S. (S'55-M'56), Engr., Stromberg-Carlson, Inc., 1400 N. Goodman St., Rochester, N.Y.
 BROWN, CLLYER S. (A'53), 734 Melville Ave., Palo Alto, Calif.
 BROWN, CYRIL J. (A'51-M'57), Engr., Sylvania Elec. Prods., Inc., Waitham, Mass.
 BROWN, DAVID (M'56), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.
 BROWN, DAVID E. (S'57-M'58), 2nd. Lt., U.S. Army, Home: 1143 S. 8, W., Salt Lake City, Utah.
 BROWN, DAVID H. (M'57), Sr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.
 BROWN, DAVID L. (S'52-A'53-M'59), Project Engr.,

- Goodyear Aircraft Corp., 1210 Massilion Rd., Akron 15, Ohio. BROWN, DAVID L
- BROWN, DAVID R. (S'43-A'45-M'^8), Dept. Head, The Mitre Corp., Lexington 73, Mass.
 BROWN, DAVID W. (M'57), Engr., RCA Service Co., Camden, N.J.
- BROWN, DERRICK C. (A'51-M'56), Dev. Engr., Telephone Mfg. Co., Ltd., Sevenoaks Way, Saint Mary Cray, Kent, England.
- BROWN, DE WITT C. (A'58-M'58), Mgr., Quality Control Engrg., GE Pinellas Peninsula Plant, St. Petersburg, Fla.
- BROWN ,DON W. (A'58), 434 Junction Ave., Livermore,
- BROWN, DONALD A. (M'58), Elec. Engr., Airborne Instru-ment Lab., Mineola, L.I., N.Y. BROWN, DONALD E. (A'53-M'58), Engr., Consolidated Electrodynamics Corp., 300 N. Sierra Madre Villa, Pasa-dena, Calif.
- BROWN, DONALD E. (M'57), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 BROWN, DONALD E., JR. (S'56-M'58), Project Officer, USAF Rome Air Development Center, Griffiss AFB, N.Y.

 BROWN, DONALD F. (S'41-A'44-M'54), Sr. Engr., Diamond Antenna & Microwave Corp., 7 North Ave., Wakefield, Mass.
- BROWN, DONALD G. (A'49), Partner, Tech. Representa-tion, 25 S. Easton Rd., Glenside, Pa.

- tion, 25 S. Easton Rd., Glenside, Pa.
 BROWN, DONALD J. (M'55), Sr. Field Engr., Bell Tel.
 Labs., Whippany, N. J.
 BROWN, DONALD L. (M'57), Sr. Engr., Goodyear Aircraft
 Corp., 1210 Massillon Rd., Akron, Ohio.
 BROWN, DONALD M. (M'54), Project Engr., Sanborn Co.,
 175 Wyman St., Waltham, Mass.
 BROWN, DONALD P. (S'53-M'55), Engr., GE Co., Richland, Wash.
- BROWN, DONALD W. (S'52-A'53-M'58), Project Engr., Motorola, Inc., 8330 Indiana Ave., Riverside, Calif. BROWN, DWIGHT (S'48-A'50-M'55), Engr., Bendix Radio Div., Towson 4, Md.

- BROWN, DWIGHT LO JONES AND STREET OF THE STREET OF T
- BROWN, EDWARD B. (A'48-M'55), Sr. Engr., Transmission, Southwestern Bell Tel. Co., 823 Quincy, Topeka, Kan.
- BROWN, EDWARD W., JR. (M'58), Staff Engr., Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge, Mass. BROWN, EDWIN O. (M'57), Sales Engr., Weston Instruments Oiv., 66 Central St., Wellesley 66, Mass. BROWN, ELDON M. (A'44-SM'54), Engrg. Sect. Head, Airborne Radar Production, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- BROWN, ELMER L. (A'26-M'45-SM'59), Electronics Engr., RCA Service Co., Box 45786, Los Angeles 45, Calif.
- Calif.

 BROWN, F. ROBERT (M'58), Sr. Electronics Dev. Engr.,
 Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 BROWN, FON R. (S'54-M'56), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

 BROWN, FRANK M. (M'58), Capt., USAF, Project Officer,
 Radome Branch, Wright Air Development Center, WrightPatterson AFB, Ohio.
- BROWN, FRANK R. (A'50), Transmitter Engr., WBT, Jefferson Standard Broadcasting Co., 1 Jefferson PI., Charlotte 2, N.C.
- 2, N.C.
 BROWN, FRANKLIN M. (M'47), Pres., Rinco, Inc., 7962
 S.E. Powell, Portland 6, Ore.
 BROWN, FREDERICK L. (A'50-M'55), Asst. Engr., New
 York State Public Service Comm., 199 Church St., New
 York 7, N.Y.
- YOR , N.Y.

 BROWN, FREDERICK W. (S'52-M'57), Electronics Engr.,
 Raytheon Mfg. Co., Santa Barbara, Calif.

 BROWN, FREDERICK W. (A:54), Dir., Boulder Labs., Natl.
 Bureau of Standards, Boulder, Colo.

 BROWN, GEORGE A. (S'55-M'56), Instr., Elec. Engrg.,
 Rochester Institute of Technology, 65 Plymouth Ave.,
 S., Rochester 9, N.Y.
- BROWN, GEORGE C. (A'56-M'59), Chief Engr., Telectro Industries Corp., 35-16 37 St., Long Island City 1, N.Y. BROWN, GEORGE H. (A'30-F'41), V.P., Engrg., RCA, Dineston N I
- BROWN, GEORGE H. (A'30-F'41), V.P., Engrg., RCA, Princeton, N.J. BROWN, GEORGE T., JR. (A'54-SM'59), Research Assoc., Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio. BROWN, GERALD J. (S'46-A'49-M'56), Electronics Engr., Plans & Engrg. Div., Directorate of Combat Development, USAEPG, Ft. Huachuca, Ariz.
- USAEPG, Ft. Huachuca, Ariz.
 BROWN, GILBERT G. (M'56), Engr.-in-Chg., Ultrasonic Research & Dev., Bendix Aviation Corp., Davenport, Iowa. BROWN, GORDON S. (SM'53-F'55), Dean of Engrg., Elec. Engrg., MIT, Cambridge 39, Mass.
 BROWN, GRAYDON L. (S'47-A'49-M'55), Sr. Research Electronics Engr., Continental Oil Co., Ponca City, Okla. BROWN, GRIFFITH M. (S'56-M'56), Sect. Chief, Western Electric Co., Topsham AFS, Topsham, Me.
 BROWN, H. CAMPBELL (S'53-A'54), Engr., Computing Devices of Canada, Bell's Corners, Ont., Canada.

- BROWN, H. WALCOTT, JR. (SM'5B), Project Leader, RCA, Moorestown, N.J.
- moorestown, N.J.
 BROWN, HAROLD E. (S'56-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 BROWN, HAROLD E. (A'56), Equipment Engr. #1, New England Telephone & Telegraph Co., 470 Atlantic Ave., Boston Mass.
- Mass.

 BROWN, HAROLD M. (SM'57), Col., U. S. Army, Commanding Officer, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 BROWN, HARRY B. (M'48), Mgr., Genl. Equipment Div., Arinc Research Corp., 1700 K St., N.W., Washington 6, D.C.
- BROWN, HARRY W. (A'45-SM'57), Genl. Engr., Instrumentation, Dept. of the Navy, BUORD, Special Project Office, Munitions Bldg., Washington, D.C.

- neination, Dept. of the Navy, BUORD, Special Project Office, Munitions Bids., Washington, D.C.

 BROWN, HARRY W. (A'47), Dev. Engr., Cutler-Hammer, Inc., 315 N. 1.2 St., Milwaukee 1, Wis.

 BROWN, HAZEL E. (A'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 BROWN, HENRY M. (M'58), Electronics Engr., Research, Warning & Communications, Office, Civil & Defense Mobilization, U. S. Govt., Battle Creek, Mich.

 BROWN, HENRY R., JR. (SM'54), Project Engr., Computers, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 BROWN, HERBERT H. (M'51), Pres., Tech. Appliance
 Corp., 1 Taco St., Sherburne, N.Y.

 BROWN, HERBERT R. (A'54), Service Engr., Television Service, 33 Winanx Rd., Franklin Park, N.J.

 BROWN, HERBERT W. (A'39-VA'39), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 BROWN, HOUSTON A. (A'47-SM'49), Staff Engr., Bendix Systems Div., Bendix Aviation Corp., 3300 Plymouth Rd., Ann Arbor, Mich.

 BROWN, HOWARD B. (S'57-A'58), Quality Control Engr.,

- Ann Arbor, Mich.

 BROWN, HOWARD B. (S'57-A'58), Quality Control Engr., Sylvania Electronic Systems, Inc., Waltham, Mass.

 BROWN, HOWARD R. (M'56), Design Engr., Collins Radio Co., Cedar Rapids, Iowa,

 BROWN, HOWARD S. (S'55-M'58), 2nd. Lt., U. S. Army, Chief, Data Display Branch, U. S. Army Signal Air Defense Engrs. Aoency, Ft. Meade, Md.

 BROWN, HUBERT K. (A'53-M'58), Supvr., Electro-Hydraulics & Gaging Div., Cincinnati Milling Machine Co., Cincinnati 9, Ohio.

 BROWN, IRMEL N. (M'52-SM'52), Mgr., Computation & Simulation, Systems Engrs., Missile & Surface Radar Dept., RCA, Moorestown, N.J.

 BROWN, IRVING (S'46-A'49-M'55), Mgr., Computer Dev.

- RROWN, IRVING (S'46-A'49-M'55), Mgr., Computer Dev., RCA, Camden, N.J.

 BROWN, IRVING A. (A'51), Supvr., Methods Test Inspection, Applied Science Corp. of Princeton, Box 44, Princeton, N.J.
- BROWN, J. CLIFFORD (S'50-A'51-M'58), Reactor Supvr., Atomic Energy of Canada, Ltd., Chalk River, Ont., Canada. BROWN, J. E. (A'24-M'28-SM'43-F'49), Engrg., V.P. Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.
- BROWN, J. HERBERT (S'48-A'51-M'57), Sr. Engr., Beckman Systems Div., 325 N. Muller Ave., Anaheim, Calif.
- BROWN, J. S. (A'44-M'45-SM'49), Dir., Engrg., Andrew Corp., 363 E. 75 St., Chicago 19, JII.
 BROWN, J. T. LINDSAY (A'37-VA'39-M'55), Mem. Tech. Staff, Bell Tel Labs., 463 West St., New York 14, N.Y.
 BROWN, JACK N. (S'48-A'49-M'55), Sr. Design Engr., Applied Science Corp. of Princeton, Wallace Rd., Princeton, N.J.
- Princeton, N.J.

 BROWN, JACOB S. (J'37-S'38-A'44-SM'54), Engr.,
 GE Co., Syracuse, N.Y.
 BROWN, JAMES E. (S'57-M'58), New York Telephone Co.,
 Franklin St., Buffaio, N.Y.
 BROWN, JAMES H. (A'58), Material Utilization Engr.,
 Magnavox Co. of Tennessee, Greeneville, Tenn.
 BROWN, JAMES J. (M'58), Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.
 BROWN, JAMES L. (M'58), Elec. Engr., Remington Rand
 Univac, St. Paul 16, Minn.
 BROWN, JAMES M. (S'48-A'51-M'56), Production Engra

- BROWN, JAMES M. (S'48-A'51-M'56), Production Engrg. Mgr., Warwick Mfg. Corp., 7300 N. Lehigh, Niles, III. BROWN, JAMES M. (S'57-M'59), Mem. Tech. Staff, Belf Tel. Labs., Murray Hill, N.J. BROWN, JAMES S. (A'53-M'57), Chief Maint, & Mod., U.S.A.S. M.S.A.E.W., Div., Support Services, White Sands Missile Range, N.M.
- BROWN, JOHN (A'43-M'46-SM'55), Assoc., Research Engrg., Willow Run Labs., Willow Run Airport, Ypsilanti, Mich.

- Mich.

 BROWN, JOHN (SM'57), Reader, Elec. Engrg., University College, Gower St., London W.C.1, England BROWN, JOHN G. (M'5b), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N. Y.

 BROWN, JOHN L. (S'54-M'56), Field Lngr., Neely Enterprises, 3939 Lankershim, North Hollywood, Calif.

 BROWN, JOHN L., JR. (M'58), Mathematician, Ordnance Research Lab., Pennsylvania State Univ., University Park, Park
- BROWN, JOHN O. (A'52), Elec. Engr., Martin Co., Orlando,

- BROWN, JOHN O. (A'52), Elec. Engr., Martin Co., Orlando, Fla.

 BROWN, JOHN R. B. (A'46), Div. Mgr., Electrical Supplies, Ltd., 306 Ross Ave., Winnipeg 2, Man., Canada. BROWN, JOHN S. (S'55-M'58), Research Engr., Lockheed Aircraft Corp., Missile Systems Div., Sunnyvale, Calif. BROWN, JOHN W. (A'58), Test Engr., Lockheed Missiles & Space Div., 1122 Jagels Rd., Sunnyvale, Calif. BROWN, JOSEPH M. (M'57), Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.

 BKUWN, JUSEPH K. (A'53), Radio Engr., Communications Service Co., 129 Brucemont Circle, Asheville, N. C.

 BROWN, JOSEPH R. (M'58), Electronics Engr., USIA Voice of America, 330 Independence Ave., Washington 25, D. C.

 BROWN, JOSEPH W. D. (M'52), Mngt. Engr., Boeing Airplane Co., Wichita I, Kan.

 BROWN, JULIUS (M'59), Asst. Prof., Elec. Engrg., St. Louis Univ., St. Louis Mo.

 BROWN, KEITH C. (M'58), Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.

 BROWN, KENNETH E. (S'51-A'52-M'57), Project Engr., Raytheon Mfg. Co., Wayland, Mass.

 BROWN, KENNETH E. (S'51-A'52-M'57), Project Engr., Raytheon Mfg. Co., Wayland, Mass.

 BROWN, KENNETH E. (S'51-A'56), Electronics Engr., Transistor Amplifiers, Hughes Aircraft Co., Culver City, Calif.

BRO-BRO - 109 -

- BROWN, KENNETH H. (M'56), Electronics Production Engr., Inspector of Naval Materiel, 9 & Broadway, Los Angeles 15, Calif.

- 15, Calif.

 BROWN, KENNETH L. (S'57-M'5B), Design & Dev. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 BROWN, LARRY E. (S'54-M'57), Electronics Engr., Univ. of California Radiation Lab., Berkeley, Calif.

 BROWN, LAURENCE R. (S'46-A'50-M'50-SM'52), Sr. ASSOC., Briggs Associates, Inc., 10 DeKalb St., Norristown, Pa.
- BROWN, LAWRENCE B. (S'52-A'55), Project Engr., Giannini Plasmadyne Corp., 3B39 S. Main St., Santa Ana, Calif.
- Ana, Calif.

 BROWN, LAWRENCE E. (M'54-SM'56), Sr. Project Engr., Motorola, Inc., B330 Indiana Ave., Riverside, Calif.

 BROWN, LAWRENCE E. (A'58), Jr. Engr., Delco Radio Div., GMC, Kokomo, Ind.

 BROWN, LAWRENCE W. (M'53-SM'57), Staff Engr., Crosley Div., Avco Mig. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 BROWN, LEDON (A'55), Component Standards Engr., BCA.
- BROWN, LEON (A'55), Component Standards Engr., RCA, Camden 2. N.J.
- Camden 2, N.J.

 BROWN, LEONARD E. (M'55), Pres., Silicone Seals, Inc., 3694 Milwaukee Ave., Chicago 41, Ill.

 BROWN, LEONARD H. (A'57), Project Engr., Brush Electronics Co., 3405 Perkins Ave., Cleveland 14, Ohio.

 BROWN, LEONARD L. (S'4B-A'50), Engr., Sperry Gyscope Co., Great Neck, L.I., N.Y.

 BROWN, LESTER C. (S'56-A'57), Field Service Rep., GE Co., Syracuse, N.Y.

 BROWN, LINCOLN (S'4B-A'50-M'5B), Mgr., Production Dept., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

- Va.

 BROWN, LIONAL (M'53-SM'56), Design & Dev. Engr.,
 RCA, Camden 2, N.J.

 BROWN, LLOYD O., JR. (M'57), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N.J.

 BROWN, LOUIS E. (A'51-M'56), Mgr., Mfg., CECO, Inc.,
 900 Oragon St., Dallas, Tex.

 BROWN, LOUIS E. (S'57-M'59), Engr., American Bosch
 Arma Corp., Garden City, L.I., N.Y.

 BROWN, LOWELL M. (A'54-M'55), Chief Design Engr.,
 Waters Conley Co., Inc., 501 1st Ave., N.W., Rochester,
 Minn.

 BROWN, LOWELL M. (A'54-A'55), Chief Design Engr.,
- MINI.

 BROWN, LOWELL R. (A'55), Asst. Chief Engr., Davis
 Industries, Inc., 30595 W B Mile Rd., Livonia, Mich.
 BROWN, LUTHER E. (S'54-M'56), Electronics Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BRUWN, MARSHALL J. (S'48-A-50-M'55), Cluef, ElectroMechanical Branch (ACLM), Air Force Armament Center,
 Eglin AFB, Fla.
- BROWN, MARSHALL W., JR. (S'51-A'53-M'5B), Engr., Fairchid Gamera & Instrument Corp., 5 Aerial Way, Syosset, L.I., N.Y.

- L.I., N.Y.
 BROWN, MARVIN A. (S'56-M'5B), Flight Test Engr.,
 Convair, Box 74B, Ft. Worth, Tex.
 BROWN, MAURICE H. (S'49-A'51-M'56), Supvy. Electronics Engr., U. S. Maval Ordnance Lab., Corona, Calif.
 BROWN, MAURICE H. (A'54), Asst. to Pres., Rollan Electric
 Co., 8233 S. Princeton, Chicago 20, III.
 BROWN, MAX E. (S'56-M'57), Design Engr., IBM, Kingston,
 N.Y.
- N.Y.

 BROWN, MAXWELL A. (A'47-M'54), Chief Test Equipment Sect., Field Engrg. Div., U. S. Army Signal Equipment Support Agency, Ft. Monmouth, N.J.
- Support Agency, Ft. Monmouth, N.J.
 BROWN, MEARLEN J. (A'5B), Electronics Maint. Supvr., Research Service Lab., Univ. of Colorado, Boulder, Colo.
 BROWN, MELVIN (M'5B), Electronics Engr., Lawrence Radiation Lab., Univ. of California, Berkeley, Calif.
 BROWN, MERRILL H. (SM'577), Chief Engr., GloverDavenport, Brown Elect. Spec., 1103 Woodlawn, Dallas B,
 Tex.
 BROWN, NOEL E. (SS57-M/5B), Elec. Engr., Castan Sim.
- Tex.
 BROWN, NOEL E. (S'57-M'58), Elec. Engr., Crosley Div.,
 AVCO Mfg. Co., Arlington St., Cincinnati, Ohio.
 BROWN, NORMAN J. (S'52-A'53-M'59), Microwave Dev.
 Engr., Microwave Associates, Northwest Industrial Park,
 Burlington, Mass.
- BROWN, NORMAN M., JR. (A'47-M'55), Project Engr. Airsearch Mfg. Co., Sepulveda Blvd., Los Angeles 45, Calif.

- Calif.

 BROWN, OLIN C., JR. (A'52-M'5B), Engr., National Co., Inc., 61 Sherman St., Malden, Mass.

 BROWN, ORRIN H. (SM'56), Dir., Mktg., Eitel-McCullough, Inc., San Carlos, Calif.

 BROWN, PATRICIA L. (A'59), Supvr., Information Services, Semiconductor, Components Div., Texas Instruments, Inc., Box 312, Dallas 21, Tex.
- BOX 312, Dallas 21, 1ex.
 BROWN, PAUL E. (A'58), Assoc. Engr., Argonne Natl.
 Lab., Box 299, Lemont, III.
 BROWN, PAUL F. (M'46), Mgr., Test Engrg., GE Co.,
 Bryan Dairy Rd., St. Petersburg, Fla.
 BROWN, PAUL H. (M'5B), Mfg. Engr., GE Co., Syracuse,

- N.Y.

 BROWN, PAUL M. (S'4B-A'49-M'55), Sect. Dir., Systems Group, Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

 BROWN, PHILLIP M. (S'50-A'54), Lecturer, City College of New York, 138 St. & Amsterdam Ave., New York, N.Y.

 BROWN, PHILLIP O. (S'56-M'57), Instr. in Elec. Engrg., Missouri School of Mines & Mettalurgy, Rollar, Mo.

 BROWN, POWELL A. (S'54-M'55), Project Engr., Erle Resistor Corp., Erie, Pa.

 BROWN, PRESTON R. (A'57), Consultant, James E. Jump & Associates, 500 5 Ave., New York 56, N.Y.

 BROWN, RALPH B. (S'50-A'54-M'59), Stamford House, Stamford Rd., Alderley Edge, Manchester, England.

 BROWN, RALPH B. (S'50-A'54-M'59), Mgr., Semiconductor Military Projects, Delco Radio Div., GMC, Kokomo, Ind.

 BROWN, RALPH J. (A'54), Mgr., Transistor Radio Prod.

- Ind.

 BROWN, RALPH J. (A'54), Mgr., Transistor Radio Prod.
 Engrg., GE Co., Utica, N.Y.
 BROWN, RALPH L. (S'47-A'50), Engr., Ampex Corp.,
 934 Charter St., Redwood City, Calif.
 BROWN, RALPH W. (A'45-M'55), Supvr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 BROWN, RAWDIN C. (M'57), Project Engr., Standard Telephones & Cables, Ltd., Oakleigh Rd., London N 11, England.

- BROWN, RAYMOND E. (M'56), Mem. Tech. Staff, Prod. Engrg., Hughes Aircraft Co., 1943 Placentia, Costa Mesa, Calif.

- BRUWN, RAYMOND E. (M'56), Mem. Tech. Staff, Prod. Engrg., Hughes Aircraft Co., 1943 Placentia, Costa Mesa, Calif.

 BROWN, REX L. (A'47-M'50-SM'56), Tech. Specialist, Temco Aircraft Corp., Box 6191, Dallas, Tex.

 BROWN, RICHARD B., III (S'51-A'55-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 BROWN, RICHARD K. (S'40-A'43-M'55), Assoc. Prof., Elec. Engrg. Dept., Univ. of Michigan, Ann Arbor, Mich.

 BROWN, RICHARD L. (M'46), Prof. & Head of Physics Dept., Allegheny College, Meadwille, Pa.

 BROWN, RICHARD L. (M'46), Prof. & Head of Physics Dept., Allegheny College, Meadwille, Pa.

 BROWN, RICHARD L. (M'45), Prof. & Head of Physics Dept., Allegheny College, Meadwille, Pa.

 BROWN, RICHARD M. (A'51), Asst. Chief Operator, WGR-TV, 1B4 Barton St., Buffalo 13, N.Y.

 BROWN, RICHARD M. (M'53), Research Assoc. Prof., Control Systems Lab., Univ. of Illinois, Urbana, III.

 BROWN, RICHARD M. (A'5B), Experimental Instrument Mechanic, Dept. of The Army, Redstone Arsenal, Ala.

 BROWN, RICHARD W. (SM'54), Engrg. Sect. Head, Consumer Goods Div., Philips Electronics Industries, Ltd., 116 Vanderhoff Ave., Toronto 17, Ont., Canada.

 BROWN, ROBERT A. (A'53), Electronics Technician, FAA, Box 1689, Ft. Worth 1, Tex.

 BROWN, ROBERT E. (M'56), Assoc. Staff Mem., Oesign Engr., Genl. Precision Lab., Inc., Pleasamtville, N.Y.

 BROWN, ROBERT E. (A'54), Chleft, Elec. Consultant, Air Force Ballistic Missile Div., Air Research & Development Command, Air Force Unit P. O., Los Angeles 45, Calif. BROWN, ROBERT F., JR. (M'57), Electronics Scientist, Electro-Acoustics, Natl. Bureau of Standards, Washington 25, O. C.

 BROWN, ROBERT H. (M'45), Prof. of Physics, Walla Walla College, College Place, Wash.
- BROWN, ROBERT H. (M'45), Prof. of Physics, Washington College, College Place, Wash.
 BROWN, ROBERT I. (A'51-M'57), Staff Asst. to Dir., Engrg., ITT Communications Systems, Inc., Rte. 4 & 17, Paramus, N.J.

- Paramus, N.J.

 BROWN, ROBERT J. (A'57), Sales Mgr., Mincom Div., Minnesota Mining & Mfg. Co., 11701 Mississippi Ave., Los Angeles 25, Calif.

 BROWN, ROBERT J. (S'57-A'5B), Electronics Techniclan, Republic Aviation Corp., Farmingdale, L.1., N.Y.

 BROWN, ROBERT M. (A'45), Asst. Supvr. Maint., CBS, 130 N. Fairfax Ave., Los Angeles, Calif.

 BROWN, ROBERT M. (A'46), Transformer Engr., Hammond Mfg. Co., Ltd., Edinburgh Rd. at Speedvalc Ave., Guelph, Ont., Canada.

- Mfg. Co., Ltd., Edinburgh Rd. at Speedvale Ave., Guelph, Ont., Canada.

 BROWN, ROBERT M. (M'59), Staff Engr., Research Lab. of Electronics, MIT, Cambridge 39, Mass.

 BROWN, ROBERT S. (M'57), Electronics Engr., Air Materiel Command Liaison Office, Patrick AFB, Fla.

 BROWN, ROBERT S. K. (A'56), Recording Techniclan, Radio Programming, The First Church of Christ Scientist, 107 Falmouth St., Boston 15, Mass.

 BROWN, ROBERT W. (A'55-M'55), Staff Scientist, Lockheed Missile Systems Div., Palo Alto, Calif.

 BROWN, ROBERT W., JR. (A'51-M'57), Radio Engr., FAA Aeronautical Center, Sta. 1B, Oklahoma City, Okla.

 BROWN, RONALD G. (S'57-M'5B), Dev. Engr., Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.

 BROWN, RONALD M. (S'57-A'5B), "B" Electronics Tester, Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 BROWN, RUSSELL K. (M'59), Sect. Head, Oefence Research Board, Ottawa, Ont., Canada

 RROWN, RUSSELL K. (M'59), Sect. Head, Oefence Research Lab., Washington, D. C.

 BROWN, SAMUEL P. (SM'59), Deputy Dir., Transmission Facilities, J. S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.

 BROWN, SHELDON P. (S'51-A'53), Sr. Engr., Hoffman Electronic Com. 3271 S. Hill Jos Angeles, Calif.
- Facilities, U. S. Army Signal Research & Development Labs., Ft. Monmouth, N. J.

 BROWN, SHELDON P. (S'51-A'53), Sr. Engr., Hoffman Electronic Corp., 3717 S. Hill, Los Angeles, Calif.

 BROWN, SIDNEY R. (M'56), Asst. Civil Air Attache Crelecommunications), British Embassy, 3100 Massachusetts Ave., N.W., Washington B, O.C.

 BROWN, STANLEY E. (S'55-A'5B), Sr. Draftsman, Research & Oev., Microwave Antennas, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 BROWN, STANLEY E. (S'55-A'5B), Sr. Draftsman, Research & Oev., Microwave Antennas, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 BROWN, STANLEY E. (A'57), Tech. Officer, Dept. of Particle Physics, Research School of Physical Sciences, Australian Natl. Univ., Canberra, A.C.T., Australia.

 BROWN, STANLEY F. (S'56-A'57), Lab. Instr., Central Technical Institute, 1644 Wyandotte, Kansas City B, Mo. BROWN, STANLEY R. (S'47-A'50-M'55), Engr., GE Co., Syracuse, N.Y.

 BROWN, THODORE S. (S'57-M'59), 2923 27 St., W., Seattle 99, Wash.

 BROWN, THOMAS A. (A'5B), Thomas Brown's Electronics, B Delaware Ave., Glen Burnie, Md.

 BROWN, THOMAS A. (A'5B), Thomas Brown's Electronics, B Delaware Ave., Glen Burnie, Md.

 BROWN, THOMAS H. (VA'39), Chief, Patent Sect., Civil Div., U. S. Dett. of Justice, Washington 25, D.C.

 BROWN, THOMAS M. (A'55), Zone Mgr. (W.Va.), Motorola Communications & Electronics, Inc., Chicaso, III., 307 Duffy St., Charleston I, W.Va.

 BROWN, THOMAS R., JR. (M'56), Pres., Burr-Brown Research Coop., Box 6444, Tucson, Ariz.

- Duffy St., Charleston 1, W. Va.

 BROWN, THOMAS R., JR. (M'56), Pres., Burr-Brown Research Corp., Box 6444, Tucson, Ariz.

 BROWN, VERNEY L. (M'58), Eng., Texas instruments, 6000 Lemmon, Dallas, Tex.

 BROWN, VERNON L. (A'53-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 BROWN, VIRTUS J. (A'59), Sr. Electronics Technician, Univ. of California, Lawrence Radiation Lab., Berkeley 4, Calif.

- BROWN, W. HENRY (A'56), Sr. Research Electronics Technician, R. R. Donnelley Co., 350 E. 22 St., Chicago
- BROWN, W. WILBUR (M'18-SM'43)(L), Consultant, Elec. Engr., 604 4 St., Liverpool, N.Y. BROWN, WALTER E., JR. (5'53-A'54), Sr. Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasa-dena, Calif.
- dena, Calit.

 BROWN, WALTER J. (M'25-SM'43), Pres., Vectrol Engrg., Inc., Box 1089, Stamford, Conn.

 BROWN, WALTER P. (S'56-M'57), Assoc. Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 BROWN, WALTER R. (M'56), Electronics, TV Technician, RCA Service Co., Patrick AFB, Fla.

- BRDWN, WARREN G. (S'43-A'46-M'55), Dev. Engr., ITT Labs., Nutley 10, N.J. BROWN, WAYNE A. (A'5B), 257-E Calaveras St., Altadena, Calif.
- dena, Calif.

 BROWN, WENDELL R. (\$'56-M'59), Assoc. Engr., Convair, San Diego, Calif.

 BROWN, WESLEY A. (\$'51-A'53-M'5B), Systems Dev. Group Head, Hughes Aircraft Co., Culver City, Calif.

 BROWN, WHITNEY A. (M'5B), Pres., W. A. Brown & Associates, Inc., 201 Capron Rd., Indian River City, Fla.

 BROWN, WILLIAM (A'43-M'45), Pres., Genl. Hermetic Sealing Corp., 99 E. Hawthorne Ave., Valley Stream, L.I., N.Y.

- BROWN, WILLIAM K. (M'57), Design & Dev. Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., M.Y.
 ROWN, WILLIAM K. (M'57), Design & Dev. Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., M.Y.
 ROWN, WILLIAM L. (S'54-M'5B), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
 BROWN, WILLIAM M. (M'57), Asst. Prof., Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.
 BROWN, WILLIAM R. (A'43), Production Mgr., Kalser Aircraft & Electronics Corp., 6225 Benore Rd., Toledo, Ohio.

- BROWN, WILLIAM R., JR. (M'5B), Engrg. Supvr., Des Electronic Ground Support Equipment, Martin Co., Balti Electronic G
- BROWNE, CLARK W. (A'54), Engr.-in-Chge., FCC, Box 719, Anchorane. Alaska.
 BROWNE, DAVID E. (M'56), Elec. Engr., GE Co., Syracuse, N.Y.

- cuse, N.Y.

 BROWME, GLENN W. (M'47), Tech. Dir., Divco-Wayne Electronics, 9701 Reading Rd., Cincinnati 15, Ohio.

 BROWNE, JOHN D. (S'51-A'53-M'57), Electronics Engr., Radioplane Co., BOOO Woodley St., Van Nuys, Callf.

 BROWNE, JOHN F. X., JR. (S'57-A'5B), 15907 Santa Rosa, Detroit 3B, Mich.

 BROWNE, JOSEPH F. (S'49-A'51-M'57), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 BROWNE, KENNETH R. (S'52-A'54), Test Equipment Engr., Hughes Aircraft Co., 5540 W. Century, Los Angeles 45, Calif.

 BROWNE, NORRIS R. (M'57), Owner, Mor., Houston Tale-

- ROWNELL, DUDLEY C. (\$'56-M'59), Elec. Engr., Bendix Agaid Div. D. U. (\$'57-A'55), Elec. Engr., Bendix Agaid Div. D. Agaid Div. Elec. Engr., Colored Rownell Div. Elec. Engr., Asst., U. S. Army, Cape Canaveral, Fla.

 BROWNE WILLIAM M. (A'50-SM'51), Electronics Scientist, Naval Air Test Center, Patuxent River, Md.

 BROWNELL, DUDLEY C. (\$'56-M'59), Elec. Engr., Bendix Radio Div., E. Joppa Rd., Towson 4, Md.

 BROWNELL, FRED P., JR. (\$'53-A'55), Engr., Martin Co., Denver, Colo.
- BROWNELL, GEORGE T. (M'45-SM'46), Consultant Engr., Box B5, Marshall, Mich.
- BROWNELL, H. RUSSELL (A'42-M'55), Chief Engr., Sensitive Research Instrument Corp., 310 Main St., New Rochelle, N.Y.
- Rochelle, N.Y.

 ROCHELD, ARTHUR W. (S'55-A'56), Group Mgr., IBM, Sage Bldg., Richards-Gebaur AFB, Mo.

 BROWNFIELD, LEE B. (S'4B-A'50-M'55), Lt.Col., Slgnal Corps., J. S. Army (Radio Engr.), c/o The Adjutant Genl., Dept. of Army, Washington 25, D. C.

 BROWNING, ELLIOT A. (J'30-A'32-M'55), Chief Engr., WTAG, Inc., 20 Franklin St., Worcester 1, Mass.

 BROWNING, GLENN H. (A'24-M'28-SM'43-F'55), Retired, RFD 1, Sebago Lake, Me.

 BROWNING, GORDON D. (S'57), 1B52B Madison Ave., Castro Valley, Calif.

 BROWNING, JAMES H. (S'47-A'51-M'5B), Asst. Project Administrator, Hazeltine Electronics Corp., Little Neck 62, L., M.Y.

 BROWNING, JEFFERSON W. (S'47-A'49-M'55), Service

- BROWNING, JEFFERSON W. (S'47-A'49-M'55), Service Engr., GE Co., 77B Madison Ave., Memphis, Tenn. BROWNING, PHLIP L. (A'56), Communications Engr., Pledmont Communications Co., Box B117, Durham, N.C. BROWNING, ROBERT (M'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- N.Y.

 BROWNING, ROBERT A. (M'56), Electronics Engr., Raytheon Mig. Co., Oxnard, Calif.

 BROWNING, ROBERT N. (A'57), Field Engr., Tektronix, Inc., 205 E. Colonial Dr., Orlando, Fla.

 BROWNING, SAMUEL D. (A'31-VA'39-M'55), Retired, 140 S. Gordon Way, Los Altos, Calif.

 BROWNLEE, BRENDON P. (M'56), Branch Mgr., Thomas A. Edison of Canada, Ltd., 120 5 Ave., S.E., Calgary, Alta., Canada.

 BROWNLEE, ROBERT R. (M'5B), Research Asst., Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa.
- Pa.

 BROWNLESS, SIDNEY F. (A'38-VA'39-M'55), Sectional Engr., TV, Australian Broadcasting Control Board, 497 Collins St., Melbourne, C.1., Victoria, Australia.

 BROWNMAN, HAROLD L. (S'42-A'47-M'55), Elec. Engr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.

 BROWNSTEIN, GEORGE (SM'5B), Sr., Staff Engr., Internatl. Telemeter Corp., 2000 Stoner, Los Angeles 25, Calif.

- BROWNSTEIN, HERBERT S. (M'57), Exec. Asst. to Dir., Directorate of Tech. Services, Rome Air Development Center, Griffiss AFB, N.Y.

 BROWNSTEIN, HERMAN (SM'59), Chief, Terminal Equipment Div., Research & Dev. Organization, Natl. Security Agency, Ft. Meade, Md.
- ment Div., Research & Dev. Organization, Natl. Security Agency, Ft. Meade, Md.

 BROWNSTEIN, MURRAY (A'53), Production Engr., Emerson Radio & Phonograph Corp., 111 8 Ave., New York, N.Y.
 BROWNSTONE, NATHAN (A'52-M'57), Mgr., Operations, Dynamics Instrumentation Co., Div., Alberhill Corp., 1118 Mission St., South Pasadena, Calif.

 BROXMEYER, CHARLES (S'49-A'50-M'55), Engr., Instrumentation Lab., MIT, Cambridge, Mass.
 BROYLES, ROBERT S. (A'54-M'56), 540 Landfair Ave., Los Angeles 24, Calif.
 BRUBAKER, ALLAN E. (S'56-M'57), Field Engr., Link Aviation, Inc., Binghamton, N.Y.
 BRUBAKER, ALLAN E. (S'56-M'57), Field Engr., Link Aviation, Inc., Binghamton, N.Y.
 BRUBAKER, GEORGE P., JR. (A'52-M'55), Pres., Brubaker Electronics, Inc., 3652 Eastham Dr., Culver City, Calif.
 BRUBAKER, JOHN W. (M'53), V. P., Engr., Summers Gyroscope Co., 2328 Broadway, Santa Monica, Calif.
 BRUCE, JAMES I. (S'56-M'58), Deputy Chief, Alrways Tech. Disvited Office, FAA, Box 201, Casper, Wyo.
 BRUBAKER, PAUL M. (S'38-A'41-M'55), Field Engr., RCA, 1181 Merchandise Mart, Chicago 54, III.
 BRUCE, CLARENCE R. (A'55-M'55), Field Engr., RCA, 1181 Merchandise Mart, Chicago 54, III.
 BRUCE, CLAYDE A. (A'54), Chief Radioman, USN, U. S. Naval Radio Sta. (T), Navy *66, FPO, San Francisco, Calif.

- Navai Radio Sta. (T), Navy #66, FP0, San Francisco, Calif.

 BRUCE, DOUGLAS C. (M'48), Signals Officer, The Ministry of Transport & Civil Aviation, Scottish Div. Office, Broomhouse Dr., Edinburgh 4, Scotland.

 BRUCE, GEORGE D. (A'52-M'57), Dev. Engr., IBM, Poughkeepsie, N,Y.

 BRUCE, GUSTAV B. (A'30-VA'39-SM'54), Design Engr., Sperry Gyroscope Co., Great Neck, L.I., N, Y.

 BRUCE, JAMES R. (A'31-VA'39), Asst. Mgr., Cable & Wireless, Ltd., Aden. S. Arabia.

 BRUCE, ROBERT A. (S'56-M'57), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 BRUCE, WILLIAM D. (A'54), Chief Elec. Engr., Ford, Bacon & Davis, Inc., 2 Broadway, New York, N.Y.

 BRUCH, ROMAN (A'56), Electronics Engr., Sperry Gyroscope Co., Great Neck, L.I., N,Y.

 BRUCH, BOMAN (A'56), Electronics Engr., Sperry Gyroscope Co., Great Neck, L.I., N,Y.

 BRUCH, DONALD B. (S'53-M'59), 2nd, Lt., USAF, Electronics Engr., Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 BRUCK, GEORGE (A'41-SM'43), 1019 Brayton Ave.,

- BRUCK, GEORGE (A'41-SM'43), 1019 Brayton Ave., Wyoming, Ohio. BRUCK, LOTHAR A.F. (M'54-SM'54), Head, Tube Labs., Telefunken, Rohrenwerk, 100 Soflinger, Ulm/Donau,
- BRUCKLACHER, JAMES E., JR. (S'55-M'57), Engr., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44,
- BRUCKMANN, FRANK E. (S'53-A'54), Elec. Engr., Chemical Construction Corp., 525 W. 43 St., New York 36, N.Y.
- N.Y.
 BRUCKMANN, HEINRICH P. (SM'56), Chief of the Radar Div., Telefunken GmbH, Ellsabethenstr., Ulm/Donau, Germany.
 BRUDER, ROBERT M. (A'55-M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 BRUDNER, HARVEY J. (M'58), Physicist, Emerson Radio & Phonograph Corp., 14 & Coles Sts., Jersey City Z, N. J.
 BRUDWIG, ARTHUR H. (A'38-M'45), Electronics Engr., Asst. Ind. Myr., USN, 2400 11 Ave., S.W., Seattle 4, Wash.
 BRUECKMANN, HELMIIT I. (SM'49-E'58) Delicitation
- SRUECKMANN, HELMUT L. (SM'49-F'58), Principal Scientist, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- RRUECKNER, GERALD A. (S'54-M'56), Mem. Tech. Staff, Ramo-Woolridge Corp., Box 45444, Airport Sta., Los Angeles 45, Calif.
- BRUEMMER, ROBERT K. (S'54-M'57), Dev. Quality Control Dept., Hughes Aircraft Co., Box 2097, Fullerton, Calif.
- Calif.

 BRUENE, WARREN B. (A'45-SM'49), Tech. Consultant, Collins Radio Co., Cedar Rapids, Iowa.

 BRUGGEMAN, JOHN T. (J'28-A'30-VA'39-M'55), Mgr. Elec. Equipment Div., Tung-Sol Electric Co., Inc., 200 Bloomfield Ave., Bloomfield, N.J.
- Bloomfeld Ave., Bloomfeld, N.J.
 BRUGGER, RICHARD D. (S'56-M'58), Asst. Project Engr.,
 Bendix Radio, E. Joppa Rd., Towson, Md.
 BRUGLIERA, FRANK J. (A'53), Group Leader, Mobile
 Communication Prod., Engrg., Motorola, Inc., 4501 W.
 Augusta Blvd., Chicago 51, III.

- AUGUSTA BYM., Chicago S1, III.
 BRUGLIERA, VITO G. (S'52-M'58), 4521 N. Claremont
 Ave., Chicago 25, III.
 BRUGMA, FREDERICK C. (S'57-M'58), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 BRUGMAN, WILLIAM E. (A'55-M'58), Components Sales
 Mgr., Telemeter Magnetics, Inc., 2245 Pontius, Los
 Angeles 64, Calif.
 BRUGMAN, WILLIAM E. (A'58)
- Angeles 64, Calif.
 BRUHNS, WILLIAM H. (A'58), Draftsman-Technician,
 Crosby Labs., 299 Robbins Lane, Syosset, L.I., N.Y.
 BRULAND, RAYMOND V. (M'47), Dir., Aviation Sales,
 European Region, Collins Radio Internati, C.A., 18 Ave.,
 Peschier, Geneva, Switzerland.
- PESCINET, GENEVA, SWILZETAIN.
 BRULE, JOHN D. (SM'5B), ASSL. Prof., Elec. Engrg.
 Dept., Syracuse Univ. Syracuse, N.Y.
 BRULE, RAYMOND J. (A'55), Tech, Service Engr., Minnesota Minning & Mfg., Co. of Canada, Box 757, London, Ont., Canada.
- Ont., Canada
 BRUMBACH, JOSEPHF. (M'53), Consulting Engr., 7736
 Harlem Av., Niles, III.
 BRUMBAUGH, GRANVILLE M., JR. (S'51-A'53-M'58),
 U.S. Amy, Home: Crooked Mile Rd., Westport, Comn.
 BRUMBAUGH, JOHN M. (M'41-SM'43), Adv. Dev. Engr.,
 RCA, Camden 2, N.J.
 BRUMFIELD, WILLIE T. (S'57-M'59), Electronics Engr.,
 Wright Air Development Center, Wright-Patterson AFB,
 Dhio.
- BRUMER, MARTIN (A'58), 371 Hillside Ave., Springfield,
- N.J. BRUMLEY, ARTHUR R. (S'57-M'58), Jr. Engr., Bendix Aviation Corp., 95 & Troost, Kansas City 41, Mo.

- BRUMLEY, CORWIN H. (A'53-M'58), Head, Electronics & Measuring Instruments, Bausch & Lomb Optical Co., 365 St. Paul St., Rochester 2, N.Y.
 BRUMM, GERHARD (4'51-M'56), Dr. Ing., Tech. Mngt., Cerberus, GmbH., 1 Mannedorf ZH, Switzerland.
 BRUMMER, CARL H., JR. (S'55-A'5B), 5530 Wayne Ave., Pennsauken B. N. J.
- DRUMMER, CARE H., JR. (S'55-A'5B), 5530 Wayne Aw Pennsauken 8, N.J. BRUN, GLENN E. (S'51-A'53-M'5B), Engrg. Asst., Calibration & Standards Lab., Raytheon Mfg. Co., 6380 Hollister Ave., Santa Barbara, Calif. BRUNA, RUDOLPH F. (A'47-M'53), Chief Engr., Master Electronics & Television, Rte. 1, Box 36, Libertyville,
- BRUNAIS, ELLSWORTH G. (A'54), Project Engr., Missile Div., Chrysler Corp., Box 2628, Detroit 31, Mich. BRUNDAGE, EUGENE J. (S'54-M'57), Project Engr., Raytheon Mfg. Co., Wayland, Mass. BRUNDAGE, JOHN H. (M'52-SM'52), Sr. Project Engr., ITT Labs., Nutley 10, N. J.
- BRUNDIN, BENGT H.E. (A'58), Nasbypark, 4 Kryssarvagen,
- BRUNE , FRED A. (S'50-A'54-M'56), Assoc. Elec. Engr., Applied Physics Lab., Univ. of Washington , 1013 E. 40, Seattle 5, Wash.
- Seattle 5, Wash.

 BRUNE, WILLIAM L. (SM'59), Program Mgr., Component Dev., Tele-communications Div., Stromberg-Carlson Co., 100 Carlson Rd., Rochester, N.Y.

 BRUNELLE, ARMAND A. (A'54), Field Engr. Sales, Transitron Electronic Corp., 827 Nissen Bldg., Winston-Salem, N.C.
- BRUNNELLI, MARIO (SM'57), Dir. di Fabbrica, VOXSON F.A.R.E.T., Via di Tor Cervara, 284 Roma, Tor Sapienza,

- F.A.K.E.I., via di for Cervara, 284 Koma, for Sapienta, Italy.

 BRUNELLY, JOHIJ J., JR. (A'54), Lt. Col., USAF, Branch Chief, Missile integration Branch, Air Defense System Integration Div., Hanscom Field, Bed. ord, Mass.

 BRUNET, MKADE (M'33-SM'45), V.P., RCA, 30 Rockefeller Plaza, New York 20, N.Y.

 BRUNETTE, GEORGE E. (A'46-M'55), Chief, Long Distance Branch, Rome Air Development Center, Griffiss AFB, N.Y.

 BRUNETTI, CLEDO (A'37-SM'46-F'49), V.P. & Geni. Mgr., Grand Central Rocket Co., Box 111, Redlands, Calif. BRUNHART, WERNER (A'54), Prod. Engr., Machlett Lab., Inc., 1063 Hope St., Springdale, Conn.

 BRUNET, WILLIAM J. (A'59), Patent Searcher, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BRUNING, JAMES M. (A'48), Pres., Bruning Engrg. Co., 14 Noel Dr., North Arlington, N.J.

 BRUNS, PRICHARD M. (S'56-M'57), Elec. Engr., ITT Labs., Nutley 10, N.J.

 BRUNK, HUGH L., JR. (S'56-M'58), Engr., Melpar, Inc.,

- Labs., Nutley 10, N.J.
 BRUNK, HUGH L., JR. (S'56-M'58), Engr., Melpar, Inc.,
 3000 Arlington Blvd., Falls Church, Va.
 BRUNKER, LESTER A. (S'55-M'57), Operations Supvr.,
 ICBM Group, Remington Rand Univac, 2750 W. 7 St., St.
 Paul, Minn.

- RRUNN, GERALD F. (M'58), Sr. Engr., Philoc Corp., of Canada, Don Mills, Ont., Canada.
 BRUNN, JOHN (A'55), Design Engr., Varian Associates, 611
 Hansen Way, Palo Alto 2, Calif.
 BRUNN, KENNETH R. (S'48-A'53-M'58), Project Engr.,
 Interstate Electronics Corp., 707 E. Vermont, Anaheim,
- Calif.

 BRUNNER, DAVID H. (S'50-A'51-M'56), Patent Engr.,
 Philico Corp., C & Tioga Sts., Philadelphia 34, Pa.

 BRUNNER, GEORGE V. (A'34-M'44-SM'47), Sect. Head,
 Genl. Engrg., Sylvania Elec. Prods., Inc., Emporium, Pa.

 BRUNNER, ROBERT C. (S'56-M'59), Electronics Scientist,
 Natl. Bureau of Standards, Boulder, Colo.
- BRUNNER, ROBERT H. (S'48-M'51-SM'56), Sales Mgr., Neely Enterprises, 3939 Lankershim Blvd., North Holly-wood, Calif.
- BRUNO, ANTHONY (M'54), Chief, Components & Systems Branch, Frankford Arsenal, Bridge & Tacony Sts., Phila-delphia 37, Pa.
- gelpina 3., Pa.

 BRUNO, ARTHUR R. (A'49-M'55), 1304 Susquehanna Ave.,
 West Pittston, Pa.

 BRUNS, CARL R. (A'52-M'56), Electronics Engr., USAF,
 Wright-Patterson AFB, Ohio.

 BRUNS, EDWARD A. (M'56), Dev. Engr., Servo Corp. of
 America, 2020 Jericho Toke, New Hyde Park, L.1., N.Y.
- America, 2020 Jericho Toke, New Hyde Park, L.I., N.Y.
 BRUNS, HENRY B. (M'59), Electronics Scientist, Diamond
 Ordnance Fuze Lab., Washington 25, D.C.
 BRUNS, HENRY E. (M'59), Elec. Engr., Collins Radio Co.,
 Cedar Rapids, Jowa.
 BRUNS, ROBERT A. (M'56), Engrg. Group Supvr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.
 BRUNS, WILLIAM H. (M'46), Head, Research Dept., Engrg.
 Div., Otis Elevator Co., 260 11 Ave., New York 1, N.Y.
 BRUNSCHWEIGER, ALFRED (S'52-A'55), Assoc. Engr.,
 IBM, Poughkeepsie, N.Y.
 BRUNSON, ROBERT B., JR. (S'57-M'58), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 BRUNSTING, ALLEN W. (A'55), Dev. Engr., Kellogg
 Switchboard & Supply Co., 51 St. & St. Austin, Chicago,
 III.

- BRUNSWICK, HOWARD D. (A'55), Supvr., Reliability
- BRUNTON, HENRY W. (M*55), Supvr., Reliability Engrg., Electronics Division, Ryan Aeronautical Co., Keamey Mesa Rd., San Diego 17, Calif.
 BRUNT, NORMAN F. (A*51-M*57), Electronics Engr., Convair Astronautics, San Diego, Calif.
 BRUNTIL, IRWIN M. (M*47), Project Engr., Manson Labs., Inc., 207 Greenwich Ave., Stamford, Conn.
 BRUNTON, DONALD A. (A*54), Pres., D. A. Brunton Co., Inc., 30-38 Guinan St., Waltham 54, Mass.
 BRUNTON, HENRY W. (M*55), Tech. Officer, Natl. Defence, Elec. Engr-in-Chief Dept., Royal Canadian IJavy, Ottawa, Ont., Canada.
- BRUNTON, ROBERT H., III (A'55), Mem. Tech. Staff, Missile Electronics & Controls Dept., RCA, Burlington, Mass.
- mass.
 BRURING, WILLIAM E. (M'57), Mgr., Advertising & Sales
 Promotion, E. F. Johnson Co., 206 2nd Ave., S.W., Waseca, Minn.

 BRUSH, JAMES W. (A'54), Electronics Engr., Navy Dept.,
 Bureau of Ships, (691 B3), Navy Dept., Washington 25,
 D.C.
- BRUSH, JOHN M. (M'56), Project Engr., Curtiss-Wright Corp., 620 Passaic Ave., West Caldwell, N.J.

- BRUSSEL, EUGENE H. (S'49-A'50-M'55), Dir., Field Operations, Internatl. Electric Corp., Rte. 17, Paramus,

- Operations, Internation Conference of the Confer

- 10G, Copenhagen K. Denmark.
 BRY.JOHN C. (M'59). System Engr., RCA, Camden, N.J.
 BRYAN, CHARLES W. M'57), USAF, Hers. AFIT, Box
 3052, Wright-Patterson AFB, Ohio.
 BRYAN, CLARENCE R., JR. (A'48), Tech. Dir., Flight
 Control Lab., Wright Air Development Center, WrightPatterson AFB, Ohio.
 BRYAN, DAVID H. (A'54), Sr. Design Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Anpeles 64, Calif.
 BRYAN, G. EDWARD (S'53-A'55), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.
 BRYAN, JAMES S. (A'52-M'58), Sr. Research Specialist,
 Philoc Corp., C & Tioga Sts., Philadeiphia 34, Pa.
 BRYAN, JOHN H. (M'55), Research Engr., Stanford Research
 Institute, Menlo Park, Calif.
 BRYAN, USEPH F. (A'49-M'55-SM'56), Sr. Engr., Elec-

- BRYAN, JOHN H. (M'55), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 BRYAN, JOSEPH F. (A'49-M'55-SM'56), Sr. Engr., Electronic Associates, Inc., Lone Branch, N.J.

 BRYAN, KELLY W. (S'47-A'49-M'55), Electronics Design Engr., Convair, Box 748, Ft. Worth, Tex.

 BRYAN, RALPH G. (A'51-M'56), Communications, Service Pipe Line Co., 308 First Natl. Bidga, Mineral Wells, Tex.

 BRYAN, ROBERT H. (A'37-VA'39-M'55), Engr., Motorola, Inc., 1400 N. Cicero Ave., Chicago 51, III.

 BRYAN, SAMUEL (SM'55), Plant Mgr., Lab., of Electronic Engrg., Inc., 413 L St., N.W., Washington 1, D.C.

 BRYAN, WAYLON D. (M'59), Assoc. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 BRYAN, WILLIAM C. (A'53-M'56), Officer, USAF, 3006 Indiana, N.E. Alburquergue, N.M.

 BRYAN, WILLIAM C. (S'54-M'56), Lt., USN, USS Notable (MSO 460), FPO, New York, N.Y.

 BRYANT, ALVA D. (M'59), Supvy, Electronics Technician, U.S. Army Signal Missile Support Agency, White Sands Missile Range, N.M.

 BRYANT, BERNARD L., JR. (A'54), Sr. Engr., Sperry Gy-

- SIP RANGE, N.M.

 BRYANT, BERNARD L., JR. (A'54), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BRYANT, CALVIN S. (A'50), Electronics Technician, 47

 N.W. 94 St., Miami Shores 50, Fla.

 BRYANT, CHARLES D. (M'58), Project Engr., Grimson Color, Inc., 381 4 Ave., New York 16, N.Y.

 BRYANT, DAVID J. (5'56-M'58), Research Asst., Georgia Technical Engr., Experiment Sta., Atlanta 13, Ga.

 BRYANT, FREDERICK B. (A'52-M'57), Electronics Engr., David Taylor Model Basin, Washington 7, D.C.

 BRYANT, GORDON H. (M'58), Medical Electronics Engr., Univ. College Hospital Medical School, University St., London, England.

 BRYANT, HARRY L. (A'45), V.P., Radio Recorders, 7000
- BRYANT, HARRY L. (A'45), V.P., Radio Recorders, 7000 Santa Monica Blvd., Hollywood 38, Calif. BRYANT, JAMES D. (A'59), Site Supvr., Burroughs Corp., Box 4317, Patrick AFB, Fla.
- BRYANT, JOHN A. (A'53), Asst. Supt., Communications, Texas Gas Transmission Corp., 416 W. 3rd St., Owensboro,
- RYANT, JOHN E. (M'58), Research Engr., Hughes Aircraft Co., Culver City, Calif. BRYANT, JOHN H. (S'47-SM'52), Supvy, Engr., Bendix Aviation Corp., Research Labs Div., Box 5115, Detroit 35, Mich.
- BRYANT, LEON D. (S'52-A'55-M'57), Electronics Scientist, U.S. Naval Ordnance Test Sta., Code 3045, China Lake, Calif.
- BRYANT, NELSON H. (A'53-M'58), Assoc. Prof., Elec. Engineering, Cornell Univ., Phillips Hall, Ithaca, N.Y. BRYANT, NEWTON W. (SM'46), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. S. BRYANT, RICHARD L. (S'55-M'59), Jr. Electronics Design Engr., Detroit Controls Corp., 560 Providence Hwy., Norwood, Mass.

- wood, Mass.

 BRYANT, ROBERT S. (A'43), Owner, Lubbock Radio, 1722
 Ave. H, Lubbock, Tex.

 BRYANT, WINCENT D. (M'48), Tech. Analyst, Air Technical
 Intelligence Center, Wright-Patterson AFB, Ohio.

 BRYANT, WILLIAM D. (M'58), Design Engr., Magnavox Co.,
 2131 Beuter Rd., Ft. Wayne 4, Ind.

 BRYANT, WILLIAM E., JR. (M'57), Electronics Scientist,
 USN Mine Defense Lab., Panama City, Fla.

 BRYANT, WILLIAM E. (S'57-M'59), R.R. 2, Box 203B,
 Havre De Grace, Md.

 BRYDEN, JUSEPH E. (M'57), Mgr., Radio Relay Dept.,
 Canadian Marconi Co., 2442 Trenton Ave., Montreal, P.Q.,
 Canada.

 BRYER, ROBERT I. IP. (A'57), Adm.
- BRYER, ROBERT L., JR. (A'57), Asst. Mgr., Hughes Aircraft Co., Dayton, Ohio.
- BRYERMAN, GERALD J. (S'52-A'53-M'58), Electronics Design Engr., Fairchild Camera & Instrument Corp., 5 Aerial Way, Syosset, L.I., N.Y.
- Syosset, L.I., N.Y.
 BRYLA, LEONARD (A'55-M'58), Electronics Engr., Computer, Convair, Pomona, Calif.
- BRYN, STANLEY L. (A'54), Assoc. Engr., The Magnavox Co., Ft. Wayne, Ind. BRYNER, DWANE B. (S'48-A'50-M'55), Elec. Engr., Sar-gent & Lundy, 140 S. Dearborn, Chicago 3, III.
- BRYSON, BOBBY L. (S'55-M'58), Jr. Engr., IBM, Pough-keepsie, N.Y.
- keepsie, N.Y.

 BRYSON, HAROLD C., JR. (M'49-SM'55), Engrg. Group Leader, RC4, Moorestown, N.J.

 BRYSON, JAMES D. (S'55-M'5B), Dev. Engr., Shand & Jurs Co., 2600 B St., Berkeley A.O. (Calif.)

 BRYSON, JOHN (M'57), Elec. Design Engr., Lockheed Missiles & Space Div., Palo Alto, Calif.

 BRYSON, ROGER W. (A'53), Project Engr., Hamilton Standard Div., Broad Brook, Conn.

 BRYSON, VERN E. (A'53-M'57), Maj., USAF, Wright-Patterson AFB, Ohio.

- BRYSON, WILLIAM B. (M'5B), Chief Engr., Communication Prods. Co., Inc., Marlboro, N.J.
 BRYZINSKI, THADDEUS F. (S'50-A'51-M'57), Sr. Project Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Ro-
- Engr., Stromber chester 9, N.Y

- chester 9, N.Y.

 BUATTE , LAWRENCE A., JR. (A'52), Prop., Lab. Television & Radio, 110 N. 3rd, Manhattan, Kan.

 BUBBERS, JOHN J. (S'50-A'54), Chief Engr., B&C Recording Co., Inc., 12 E. 44 St., New York, N.Y.

 BUBLE, FRANK L. (A'53-M'59), Jr. Electronics Engr., Fairchild Astronics Div., 14 Bruce Lane, Farmingdale, L.I., N.Y.
- BUBLITZ, ARTHUR T. (S'54-A'55), Teaching Fellow, Univor Michigan, Ann Arbor, Mich.
 BUCCICONE, VELIO S. (S'42-A'45-M'48), Chief Engr.,
 Secy., Buccicome Engrg. Co., Inc., B99 Grant St., Gary,
- Ind.

 BUCCIERO, JOSEPH (A'54), Engr., Westinghouse Elec.
 Cop., Friendship Internatl. Airport, Baltimore, Md.

 BUCHAK, KIRK (SM'5B), Col., U.S. Army, Signal Officer,
 Hgrs., 3rd U.S. Army, Ft. McPherson, Ga.

 BUCHALTER, MARVIN (S'49-A'50-M'55), Sales Mgr.,
 Superex Electronics Cop., 4-6 Radford Pl., Yonkers, N.Y.

 BUCHAN, JAMES F. (S'53-A'54), Sr. Engr., Martin Co.,
 Orlando, Fla.
- Buchan, Robert (S'54-A'55), Electronics Engr., Lab. for Electronics, Inc., 1079 Commonwealth Ave., Boston 15,
- BUCHANAN, ARTHUR B. (A'26-M'32-SM'32), Asst. Com-munication Engr., The Detroit Edison Co., 2000 2nd Ave., Detroit 26, Mich.
- Detroit 26, Mich.

 BUCHAMAN, CLARENCF F. (A'57), Inspector, Electronics

 & Elec. Engrg., Dept. Natl. Defence, Ottawa, Ont., Canada.

 BUCHANAN, DANIEL B. (M'46), Mfrs.' Rep., D.B. Buchanan,

 1226 E. Colonial Dr., Orlando, Fla.

 BUCHANAN, DOUGLAS L. (S'53-M'55), Assoc. Engr.,

 Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9,
- Tex.
 BUCHANAN, HARRY R. (A'47-M'55), Research Engr., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.
 BUCHANAN, HENRY (A'51-M'56), Electronics Engr., Grou Communications Div., San Antonio Air Materiel Area, Kelly AFB, San Antonio, Tex.

- AFD, Jam Antonio, 1ex.
 BUCHANAN, JOHN P. (M'52), Engr., Missile & Surface
 Radar Div., RCA, Moorestown, N.J.
 BUCHANAN, JOHN R. (S'52-A'55), Supvy. Electronics
 Engr., USN Central Torpedo Office, Quality Evaluation Lab.,
 Newport, R.I.
- Newport, R.J.
 BUCHANAN, KEITH J. (S'52-A'55), Dev. Engr., Minnesota
 Mining & Mig. Co., 900 Bush Ave., St. Paul 6, Minn.
 BUCHANAN, LLOYD R. (M'57), Regional Field Engrg. Mgr.,
 ElectroData Div., Burroughs Corp., 2020 Milvia St.,/Berkeley 4, Calif.

- ElectroData Div., Burroughs Corp., 2020 Milvia St., Bereley 4, Calif.

 BUCHANAN, O. R. (A'31), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 BUCHANAN, RAYMOND A. (A'52-M'57), Project Engr., Interstate Electronics Corp., 707 E. Vermont, Anaheim, Calif. BUCHANAN, RONALD A. (S'55-M'5B), 327 N. Gilpin, Dailas 11, Tex.

 BUCHANAN, THOMAS B. (A'53), Owner-Mgr., Buchanan's-Radio-Television-Records, 129 N. Steele, Sanford, N.C.

 BUCHANAN, WILLIAM D. (S'49-A'51-M'55-Sm'5B), Electronics Engr., Naval Ordnance Lab., Corona, Calif. BUCHBNDER, MELVIN M. (A'51-M'56-Sm'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BUCHER, FRANK X. (S'40-A'43-Sm'51), Assoc. Lab. Dir., ITT Lebs., 15151 Bledsoe St., San Fernando, Calif. BUCHER, KURT H. (A'59), Elec. Engr., Raytheon Mfg. Co., Wattham, Mass.

- Waltham, Mass.
 BUCHER, T. T. NELSON (A'43-M'55), Engrg. Supvr.,
 RCA, Moorestown, N.J.
- BUCHER, T. T. NELSON (A'43-M'55), Engrg. Supvr., RCA, Moorestown, N. J.
 BUCHFELLER, JOHN E. (A'54), Electronics Engr., Motoroia, Inc., 8330 Indiana Ave., Riverside, Calif.
 BUCHHOLD, THEODOR A. (SM'55), Consulting Engr., GE
 CO., Schenectady, N. Y.
 BUCHHOLZ, CARL W. (S'51-A'53-M'5B), Div. Engr., Schlumberger Well Surveying Corp., 415 Genl. Petroleum
 Bidg., Los Angeles 17, Calif.
- BUCHHOLZ, FRED G. (4'49-M'55), Test Equipment Engr., Warwick Mfg. Corp., 7400 N. Lehigh Ave., Chicago 31,

- III.
 BUCHHOLZ, WERNER (S'44-A'49-M'52-SM'54), Sr. Engr.,
 IBM, Poughkeepsie, N.Y.
 BUCHMAN, WILLIAM W. (S'48-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 BUCHMEIER, HELMUT P. G. (M'53), Electronics Engr.,
 Canadian Aviation Electronics, 387 Sutherland Ave., Winnieg
- BUCHMEYER, HENRY W. (SM'57), Engr., Texas Instruments, Inc., Dallas, Tex.
- BUCHDRUCK, HENRY W. (SM'57), Engr., Texas Instruments, Inc., Dallas, Tex.
 BUCHOLTZ, MALVIN N. (S'58-M'59), 240 Division Ave., Hasbrouck Heights, N. J.
 BUCHSBAUM, WALTER H. (A'48-M'53-SM'56), Supvy, Engr., Hazeltine Electronics Co., Little Neck 62, L.1., N.Y.
 BUCHSPICE, JOHN E. (A'55), 3355 Edgecliff Ter., Cleveland 11, Ohio.
- BUCHTA, JOHN C. (S'53-M'58), Engr., GE Co., Syracuse,
- BUCHTENKIRCH, ARTHUR J. (A'42-M'55), Regional Sales Engrg. Mgr., G.M. Giannini & Co., Inc., 350 5 Ave., New York 1, N.Y.
- BUCHWALD, CHARLES F. (SM'52), Mgr., Mfg., Monterrey Plant, Lamparas GE Co de Mexico, S.A., de C.V., Apartado 961, Monterrey, N.L., Mexico

- Trains, Leimuaras Usc. Co De Mexico, S.A., de C.V., Apartado 961, Monterrey, N.L., Mexico BUCK, CHARLES U., JR. (S'54-A'54), 109 Longfellow St., N.W., Washington 11, D.C. BUCK, DANIEL C. (A'51-M'56), Dev. Engr., Westinghouse Elec. Corp., Box 284, Elmira, N.Y. BUCK, DAVID T. (A'49-M'55), Free, Buck Engrg. Co., Inc., 37-41 Marcy St., Freehold, N.J. BUCK, DONALD G. (A'39-M'45), Field Engr., RCA Service Co., Camdén, N.J. BUCK, M. (M'48-SM'58), Research Engr., Humble Oil & Refining Co., Box 2180, Houston 1, Tex. BUCK, JOHN D. (A'46), Buck's Radio, 104 Hempstead Tpke., West Hempstead, L.I., N.Y. BUCK, JOHN H. (M'56), Staff Engr., Capitol Broadcasting Co., Inc., 2716 Western Bivd., Raleigh, N.C. BUCK, JOHN H. (SM'56), V.P., Engrg., BJ Electronics, Borg-Warner Corp., Box 1679, Santa Ana, Calif.

- BUCK, JOHN R. (S'54-M'55), Engr., Westinghouse Elec.
- Corp., Baltimore, Md.
 BUCK, L. CORDON (SM'54), Genl. Staff Engr., Bell Tel.
 Co. of Canada, Box 6074, Montreal, P.Q., Canada.
 BUCK, RICHARD E. (S'55-M'57), Asst. Engr., Advanced
 Dev. Div., Avco Mfg. Corp., 20 S. Union St., Lawrence,
 Mass.
- Mass.

 BUCK, RICHARD F. (A'47-M'55), Projects Dir., Research
 Foundation, Oklahoma State Univ., Stillwater, Okla.

 BUCK, ROBERT D. (A'54-SM'57), Staff Engr., IBM, King-
- BUCK, THOMAS F. (A'56), Engr., ITT Labs., Nutley 10, N.J.

- N.J.

 BUCKBEE, JOHN A. (A'41-M'47), Electronics Engr., Raytheon Mfg. Co., Waltham 54, Mass.
 BUCKBERG, MORTON L. (M'57), Electronics Engr., Bureau of Ships, Nave Dept., Washington, D.C.
 BUCKELEW, WILFRED F., JR. (S'56-M'58), Communications Officer, USAF, Barksdale AFB, La.
 BUCKINGHAM, STEPHEN A. (A'34-M'55), Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
 BUCKINGHAM, WILLIAM D. (A'41-M'55), Asst. Electronics Research Engr., Western Union Telegraph Co., Water Mill, N.Y.
- BUCKLER, PAUL F. (A'55), Sales Supvr., Communication Det., Water Mill, N.Y.

 BUCKLAND, FOREST A. (S'51-A'52-M'57), Project Engr., Jones & Lamson Machine Co., Springfield, Vt.

 BUCKLAND, VICTOR (A'41), Mng. Dir., Victor Buckland, Ltd., 37-39 London Rd., Derby, England.

 BUCKLE, GORDON J., JR. (S'58-A-59), Tech. Asst., Western Electric Co., 3300 Lexington Rd., Winston-Salem, N.C.

 BUCKLER, PAUL F. (A'55), Sales Supvr., Communication Sect., Power Control & Communication Dept., Westinghouse Elec. Corp., East Pittsburgii, Fa.

 BUCKLER, RAYMOND A. (S'56-A-56), Elec. Receiving Inspector, Electronic Systems Div., Cook Electric Co., B100 N. Monticello, Skokie, III.

 BUCKLES, FLOYD G. (A'51-M'57), Project Engr., Sinclair

- N. MORRICEIIO, SKOKIE, III.

 BUCKLES, FLOYD G. (A'51-M'57), Project Engr., Sinclair Radio Labs., Ltd., 70 Sheffield St., Toronto 15, Ont.,

 BUCKLES, ROBERT A. (A'52-M'52), Partner, Patent Atty.,

 Blair, Spencer & Buckles, 1 Atlantic St., Stamford, Conn.

 BUCKLEY, ARTHUR E., JR. (A'55), 368 Belmont St., Fall River, Mass.
- River, Mass.

 BUCKLEY, ELERY F. (S'42-A'43-M'50-SM'57), Chief
 Electronics Engr., Emerson & Cuming, Inc., 869 Washington St., Carlton, Mass.

 BUCKLEY, GERALD F. (A'58), Engrg. Asst., Information
 Systems, Inc., 7401 N. Hamlin, Skokie, III.
- BUCKLEY, JACK K. (A'53), Assoc. Research Engr., American Machine & Foundry Co., 1104 S. Wabash Ave., Chicago 5,
- BUCKLEY, JACK R. (M'57), Group Leader, R.F. Dev. Group, Bendix Aviation Corp., 11600 Sherman Way, North Holly-wood, Calif.

- wood, Calif.

 BUCKLEY, JAMES E. (S'53-M'55), Engr., ITT Federal
 DIv., 3702 E. Pontiac, Ft. Wayne, Ind.

 BUCKLEY, JAMES P. (M'59), Engr., Raytheon Mfg. Co.,
 Waltham, Mass.

 BUCKLEY, JOSEPH W. (S'52-A'53), Engrq. Prod. Mgr.,
 Microwave Systems Dev., Amphenol-Borg Electronics Corp.,
 9201 Independence Ave., Chatsworth, Calif.
- BUCKLEY, ROBERT E. (\$'49-A'50-M'57), Sect. Head, Field Instrumentation Sect., Barnes Engrg. Co., 30 Commerce Rd., Stamford, Conn.
 BUCKLEY, ROBERT O. (A'55), Dwner, Ham Service Center, 925 Silver Spring Ave., Silver Spring, Md.
- 925 Silver Spring Ave., Silver Spring, Md.
 BUCKLEY, WILLIAM, JR. (M'58), Design Engr., IBM,
 Poughkeepsie, N.Y.
 BUCKLIN, EDWARD P., JR. (S'57-M'59), 22-C Parkway
 Apts., Haddonfield, N.J.
 BUCKLIN, KENNETH G. (SM'58), Mgr., Engrg., Receiving
 Tube Operations, RCA, Harrison, N.J.
 BUCKMAN, ARNOLD R. (A'54-M'56), Electronics Engr.,
 GE Co., Utica, N.Y.
 BUCKMAN, STANLEY L. (A'56), Engr., GE Co., Utica,
 N.Y.

- BUCKNELL, WILSON H. (\$'36-A'38-VA'39), Pres., Bucknell Engrg. Co., Inc., 10717 E. Rush St., South El Monte,
- Calif.
 BUCKNER, GUY O., JR. (M'55-SM'58), Engr., Welex, Inc.,
 Box 1658, Houston 1, Tex.
 BUCKNER, RICHARD P. (S'52-A'54-M'56), Dev. Engr.,
 Continental Electronics Mfg. Co., 4212 S. Buckner Blvd.,
- Dallas , Tex
- Bulcks, Robert M. (S'49-A'51), Dept. Head, Components & Standards, Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia 29, Pa.
- Ave., Philadelphia 29, Pa.
 BUCKSBAUM, JOSEL. (A/58), Asst., Research, Yale Univ., Geochronometric Lab., 77 Prospect St., New Haven, Conn.
 BUCO, PAUL A. (A/58), Tech. Writing Supvr., Litton Industries, 4910 Calvert Ad., College Park, Md.
 BUCV, J. FRED, JR. (M/56), Chief Engr., Seismic Prod.
 Dev., Texas Instruments, Inc., 3609 Buffalo Speedway,
 Houston 6, Tex.

- Houston 6, Tex.

 BUCZEK, CARL J. (S'57-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 BUDA, PAUL V. (A'47-A'50-M'58), Color TV Maint., CBS, 485 Madison Ave., New York, N.Y.

 BUDAK, ARAM (M'5B), Asst. Prof., Elec. Engrg., Colorado State Univ., Ft. Collins, Colo.

 BUDD, ARTHUR E. (M'57), Systems Engr., Mitre Corp., Lexington 73, Mass.

 BUDD, WILBERT H. (M'57), V.P., Marketing, Chicago Telephone Supply Corp., 1142-1232 W. Beardsley Ave., Elkhart, Ind.
- hart, Ind.

 BUDD, WILLIAM E. (A'49-M'55), Branch Head, Microwave Energo. Labs., Inc. 943 Industrial Ave., Palo Alto, Calif.

 BUDDE, ERWIN V. (A'55), Electronics Engr., Natl. Cash Register Co., Main & K Sis., Dayton 9, Ohio.

 BUDDENHAGEN, DOUGLAS A. (S'57-M'59), Asst. Prof., Elec. Engrg., Union College, Schenectady 8, N.Y.

 BUDELL, LOUIS A. (A'55), Engr., Electronics Lab., GE Co., Syracuse, N.Y.

- Syracuse, N.Y.
 BUDEN, DAVID (M/59), Sr. Engr., Aircraft Muclear Propulsion
 Dept., GE Co., Cincinnati 15, Ohio.
 BUDENBOM, HORACE T. (A'40-SM'46-F'56), Sr. Scientist,
 Stavid Engrg., Inc., Hwy, 22, Plainfield, N.J.
 BUDENKAYE, ANTHONY C. (A'45-M'46), Field Engr., Electronics, U.S. Army Signal Equipment Support Agency, Coles
 Area, Ft. Monmouth, N.J.

- BUDER, SPURGEON H. (A'41-A'42-M'53), Systems Engr., RCA, Moorestown, N.J.

- RCA, Moorestown, N.J.

 BUDGE, REGINALU K, (A'4b), Signals Officer, Ministry of Civil Avation, London, England.

 BUDIN, GEORGE W, (M'57), Engr., New York Telephone Co., 158 State St., Albany, N.Y.

 BUDLONG, WILLIS A. (A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippamy, N.J.

 BUDNICK, JESSE A. (M'55), Electronics Engr., Genisco, Inc., 2233 Federal Ave., Los Angeles 64, Calif.

 BUDNY, BERNARD R. (M'56), Project Engr., Alfen Bradley Co., 136 W. Greenfield Ave., Milwaukee, Wis.

 BUDY, JOSEPH J. (A'55), E.c. Engr., RT&E Corp., 1900 E. North St., Waukesha, Wis.

 BUECHNER, ROBERT H. (SM'52), Communications Engr., Transcontinental Gas Pipe Line Corp., Box 296, Houston, Tex.

 BUEFFEL, BERNARD H., JR. (A'42-SM'51), Staff Mem.

- Tex.

 BUEFFEL, BERNARD H., JR. (A'42-SM'51), Staff Mem. Sandia Corp., Sandia Base, Albuquerque, N.M.

 BUEGLER, ROBERT J. (S'45-A'48-M'55), Project Engr., Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 BUEHLER, ERVIN R. (A'47), Project Mechanic, Delco Radio Div., 700 E. Firmin St., Kokomo, Ind.

 BUEHLER, FLOYD A. (A'46-M'49), Mgr., Organization & Personnel Dev., Chrysler Corp., Box 1919, Detroit, Mich.

 BUEHLER, GUIDO V. (M'55), Project Engr., Electronic Communications, 1830 York Rd., Timonium, Md.

 BUEHLER, JOHN H. (A'53), Foreign Service Officer, U.S. Foreign Service, Vienna, Austria.

 BUEHLER, MAURICE E. (A'41), Project Engr., Convair, Pomona, Calif.

- Pomona, Cair.

 BUEHLER, PAUL R. (S'49-A'50-M'56), Pres., Paul Buehler
 Associates, Inc., 303 N. Front St., Alleintown, Pa.

 BUEHLER, RICHARD K. (S'55-M'58), Engr., RCA, Somer-
- BUEHNER, MICHAEL R. (SM*56), Head, Equipment Dept., Radar Lab., Ground Systems Div., Hughes Aircraft Co., Ful-lerton, Calif.
- lerton, Calif.
 BUEHRLE, CLAYTON D. (S'49-A'52-M'56), Lead Systems Design Engr., Servomechanisms Group, Chance-Vought Aircraft, Inc., Box 5907, Dallas, Tex.
 BUEHRLE, WILLIAM E., JR. (S'50-A'51-M'56), Supvy. Engr., Hazeltine Electronics Div., Little Neck 62, L.1.,
 BUELL, FREDERICK D. (S'49-A'51), Research Engr., Group Head, Hughes Aircraft Co., Culver City, Calif.
 BUELOW, FRED K. (S'56-M'57), Assoc. Engr., IBM, Pough-keepsie, N.Y.
- Reepsie, N.Y.
 BUEND, ISMAEL (S'56-M'5B), Research Engr., Electro
 Engr. Works, 401 Preda St., San Leandro, Calif.
 BUESCHER, WILLIAM E. (S'47-A'49-M'52-SM'55), Materials Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.
 BUETOW, MANFRED (A'56), Sales Mgr., Intermetall, Duesseldorf, Germany.
- eldorf, Germany.

 BUETTNER, HOWARD L. (S'5B-M'59), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 BUETTNER, NORMAN G. (M'58), 1226 S.W. 60 St., Oklahoma City 9, Okla.

 BUFF, CHRISTOPHER (A'45-M'48-SM'55), Dir., Dev., Mackay Radio & Telegraph Co., 67 Broad St., New York 4,

- BUFFKN, WILLIAM R. (M'57), Electronics Scientist, USN Mine Defense Lab., Panama City, Fla. BUFFO, BAPTIST (SM'54), Engr., AT&T Co., 195 Broad-way, New York 7, N.Y.
- way, New York 7, N.Y.
 BUFFUM, C. EMERY (A'51-SM'52), Lab. Services Supt., Pan American Petroleum Corp., Box 591, Tulsa 2, Okla.
 BUFFUM, JOSEPH H. (A'46), Engr., Pacific Telephone & Telegraph Co., 660 Howard, San Francisco, Calif.
 BUGEJA, ALBAN A. (M'55), Vision Engr., Independent Television News, Kingsway, London W.C.2. England.
 BUGG, JAMES E. (SM'57), Sr. Administrative Engr., Melpar, Inc., 3000 Artington Blvd., Falls Church, Va.
 BUGG, K. WINSTON (A'47-M'51-SM'54), Electronics Engr., Ground Communications Div., Warner Robins Air Material Area, Ga.
 BUGGY, RODMAN V. (A'41-M'46-SM'55), Aced. Chief De-

- BUGGY, RODMAN V. (A'41-M'46-SM'55), Asst. Chief Design Engr., Elec. & Electronics Engrg. Design Div., Planning Dept., Philadelphia Naval Shipyard, Philadelphia 12, Pa.

- Sign Engr., Litec. & Electronics Engrg. Design DIV., Flaning Debt., Philadelphia Nawal Shipyard, Philadelphia 12, Pa.

 BUGNOLO, DMMTRI S. (S'52-A'53-M'59), Instr., Elec. Engrg., Columbia Univ., New York 27, N.Y.

 BUHL, WALTER T. (A'36-VA'39), V.P. & Genl. Mgr., Leland Electric Co., Dayton 19, Ohio.

 BUHRMAN, HENRY M. (A'54), Field Engr., Philoc Corp., 22 St., & Lehigh Ave., Philadelphia 32, Pa.

 BUICE, GEORGE S. (S'56-M'5B), Computer Programmer, Mare Island Naval Shipyard, Vallejo, Calif.

 BUIE, JAMES L. (S'48-A'49-M'54), Mem. Tech. Staff, Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.

 BUIE, JOHNNIE G. (A'55), Elec. Engr., Varo Mfg. Co., Inc., 2201 Walnut St., Garland, Tex.

 BUIZERT, H. (M'57), Systems Engr., Canadair, Ltd., Box 6087, Montreal, P.Q., Canada.

 BUKHOUD, JOSEPH (A'55), Chief Engr., Summit Electronic

- BUKHDUD, JOSEPH (A'55), Chief Engr., Summit Electronic Prods. Div., Telecomputing Corp., 14706 Arminta St., Van Nuys, Calif.
- Nuys, Calif.
 BUKOFZER, RALPH (A'46-M'55), Co-Owner, Electronics Engr., Tri-R Instruments, 144-13 Jamaica Ave., Jamaica 35, L.I., N.Y.
 BUKOSKEY, RICHARD M. (A'59), Lab. Technician, Pennsylvania Technical Institute, Pittsburgh, Pa.
 BUKOSKY, JAMES R. (A'57), Tool Designer, Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis, Minn,
- MINN.
 BUKOWSKI, CHARLES P. (S'55-M'56), Electronics Engr.,
 The Telerigister Corp., 445 Fairfield Ave., Stamford, Conn.
 BULAND, ROBERT N. (M'55), Mem. Tech. Staff, Automatic
 Controls Dept., Aeronutronics Systems, Inc., 1234 Air Way,
 Glendale, Calif.
- BULDHAUPT, LEO F. (S'5B-A'59), Assoc. Engr., Boeing Airplane Co., Box 3925, Seattle, Wash.
- BULDHAUF , LECO., Box 3925, Seattle, Wash.
 BULEY, THEODORE L. (A'52), Advisory Engr., IBM, Pough-
- BULGER, GILES E. (A'57), Radio Technician, Dept. of Transport, *4 Bidg., Ottawa, Ont., Canada. BULGER, MARION V. (S'57-M'59), 6956 Pershing, University City 5, Mo.
- BULGER, THOMAS J. (A'58), Guided Missile Technician,

- BULGIN, ARTHUR F. (A'23-M'26-SM'43), Chmn. & Mng. Dir., A.F.Bulgin & Co., Ltd., Bye Pass Rd., Barking, Essex, England.
- BULGIN, RONALD A. (M'5B), Research Engr., A. F. Bulgin & Co., Ltd., Bye-Pass Rd., Barking, Essex,
- Lingiana. Bright M. (M'52), Dev. Project Engr., Schlumberger Well Surveying Corp., 5000 Gulf Freeway, Houston, Tex.

- Houston, Tex.

 BULIK, CHARLES (A'53-M'58), Electronics Engr., Martin Co., Baltimore 3, Md.

 BULKLEY, ALFRED W. (A'44-M'45), Project Engr., ITT Labs., Nutley 10, N.J.

 BULKLEY, DAVID D. (M'56), Sales Engr., Intelex Systems, Inc., 22 Thames St., New York 6, N.Y.

 BULL HAROLD T. (M'5B), 196 Weldon St., Rochester 11, N.Y.
- N.Y.

 BULL, JAMES T. (A'4B-M'55), Guidance & Control Engrg.
 Sect., Army Ballistic Missile Agency, Redstone Arsenal, Ala.

 BULL, RAME W. (S'5D-A'51-M'56), Supvr., Electronic Instrumentation, Armour Research Foundation, 10 W. 35 St.,
 Chicago 16, III.
- Chicago 16, ill.

 BULL, THOMAS R. (A'55), Engr., Canadian Westinghouse, Longwell Rd., Hamilton, Ont., Canada.

 BULL, WESLEY A. (A'47-A'50-SM'55), Engr., Pacific Telephone & Telerapho Co., 1200 3rd Ave., Seattle 1, Wash BULL, WILLIAM I. (S'42-A'43-SM'51), Capt., USN, Shipyard Condr., Charleston Naval Shipyard, Charleston, S.C.

 BULLARD, ALVAN H., JR. (S'52-A'53-M'5B), Electronics Engr., Foxboro Co., Neponset Ave., Foxboro, Mass.

 BULLARD, RICHARD W. (M'5B), Electronics Engr., Redstone Arsenal, Ala.

 BULLARD, ROBERT L. (S'50-A'53-M'5B) Staff Engr.

- BULLARD, ROBERT L. (S'50-A'53-M'5B), Staff Engr., IBM, Kingston, N.Y.
 BULLEN, CLARK V. (A'35-M'46), Engr., Electronics Dev., Barber-Colman Co., Rockford, III.
 BULLER, BERNARD H. (S'57-A'5B), Technician, Automatic Electric, Canada, Ltd., 100 Strowger Blvd., Brockville, Ont., Canada.
- Olic., Callada.

 BULLEYMENT, KEITH J. (M'56), Sr. Design Engr.,
 Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd.,
 Minneapolis 13, Minn.

 BULLIET, LEANDER J. (A'58), Staff Engr., Dev. & Consultation, W.F. & John Barnes Co., 301 S. Water St.,
 Rockford, [II].
- BULLINGTON, EDWARD W. (M'58), Principal Mech. Engr., Emerson Research Labs., 701 Lamont St., Washington 10, D.C.
- D. C.

 BULLINGTON, KENNETH (A'45-SM'53-F'55), Transmission Systems Engr., Bell Tel. Labs., Murray Hill, N.J.

 BULLIS, EUGENE E. (A'44), Dir., Labs., Valparaiso Technical Institute, Inc., Road 130, Valparaiso, Ind.

 BULLOCK, ANDREW J., JR. (A'55), Engr., GE Co., Advanced Electronic Center, Ithaca, N. Engr., GE Co., Advanced Electronic Center, Ithaca, N. Engr., GE Co., Advanced Electronic Center, Ithaca, C. (Bell Center), Westrex Corp., Los Angeles 3B, Calif.

 BULLOCK, DONALD B. (S'50-A'52-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BULLOCK, JOHN B. (S'42-A'44-M'53), Project Engr., RCA Victor, Camden, N.J.

- BULLOCK, GILBERT M. (S'42-A'42-M'49), Electronics Scientist, Naval Research Lab., Washington 25, D.C. BULLOCK, JAMES B. (A'57), V.P., Moore Associates, Inc., 2600 Spring St., Redwood City, Calif. BULLOCK, JESSE C. (M'58), Sales Engr., Radio Parts, Inc., 807 Howard Ave., New Orleans 12, La. BULLOCK, MARK W. (S'33-A'37-M'45-SM'54), Engrg. Mgr., Continental Electronics Mfg. Co., 4212 S. Buckner Blvd., Dallas 27, Tex.
- BULLOCK, RICHARD N. (M'56), Sales Engr., Burlingame Associates, B21B Wisconsin Ave., Washington 14, J.C. BULLOCK, ROBERT E. ("4'1-M'55), Chief Engr., Don Lee Broadcasting System, 1313 N. Vine St., Hollywood 28, Calif.
- Canif.
 BULLOCK, RONALD G. (A'47-M'54), Tech. Officer-inChg., Electronics Sect., Inspection Services, Dept. Natl.
 Defense, 66 Temperance St., Toronto 1, Ont., Canada.
 BULLOCK, WILLIAM S. (A'59), Professional Musician,
 310 W. 94 St., New York 25, N.Y.
- BULLOCK, WILLIAM W. (A'45-M'45), Mgr., Customer Relations, Marquardt Aircraft Co., 2709 N. Garey Ave., Pomona, Calif.
- BULLWINKEL, EDWARD C. (S'57-M'59), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

- Ft. Monmouth, N.J.

 BULMAN, GEORGE R. P. (M'57), Instr., Elec. Engrg., Pennsylvania State Univ., University Park, Pa.

 BULMAN, WARREN E. (A'52-SM'57), Pres., Ohio Semiconductors, Inc., 1035 W. 3rd. Ave., Columbus 8, Ohio.

 BULMORE, H. R. (A'46), Mgr., Casting Sales, Simonds Saw & Steel Co., Lockport, N.Y.

 BULWIN, EDMUND (5'52-A'54), Chief Engr., Electronic Transformer Co., 70 Washington St., Brooklyn 1, N.Y.

 BUMBALEK, JOHN E. (A'55), Owner, Communications Engrg. Service, 158 N. Tratt St., Whitewater, Wis., Communications Engr., Walworth County, 4 N. Church St., Elkhorn, Wis.

- Wis.
 BUMILLER, GEORGE B. (S'55-M'57), Design Engr., Terminal Facilities, RCA Communications, Inc., 66 Broad St., New York 4, N.Y.
 BUMPASS, ROBERT C. (A'55), Electronics Fire Control Systems Repairer, Benicia Arsenal, Benicia, Calif.
 BUMPUS, WILLIAM W. (M'56), GOV. Liaison Dir., Con-BUMSTEAD, CHARLES R. (M'54), Dir., Weapon Systems Test, Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif.
- vale, Calif.
 BUMSTEAD, JOHN J. (A'55), Radio Technician, Telephonics
 Corp., Park Ave., Huntington, L.I., N.Y.
 BUNCE, DOUGLAS S. (A'54), Field Service Engr., Stromberg-Carlson Co., 1895 Hancock, San Diego 12, Calif.
 BUNCE, JACK W. (S'52-A'52-M'57), Project Engr.,
 Collins Radio Co., 2700 Olive Ave., Burbank, Calif.
 BUNCH, BOBBY D. (A'55), Customer Engr., IBM, 614
 Texas, Ft. Worth 1, Tex.
 BUNCH, DONALD L. (M'57), Elec. Sect. Head, Transistor
 Process Engrg. Dept., Delco Radio Div., 700 E. Firmin
 St., Kokomo, Ind.

- BUNCH, JAMES I. (M'59), Detail Engr., AC Spark Plug, 1300 N. Dort Hwy., Flint 2, Mich. BUNDAY, DALE L. (A'44-SM'49), Commercial Engr., Mobile Prod. Planning, Communication Prods. Dept., GE Co., Carroll Ave. Plant, Lynchburg, Va.
- BUNDAY, GLEN F. (A'52), Vocational Education Dir., Sioux Fails Public Schools; Bunday Custom Engrg., 2115 S.4 Ave., Sioux Fails, S.D.
- BUNDRICK, ROBERT J. (A'45), Engrg. Coordinator, Univ of California Lawrence Radiation Lab., Livermore, Calif. BUNDSCHUH, WILLIAM A. (S'52-M'56), Elec. Engr., Armament Div., Universal Match Corp., 4407 Cook, St.
- BUNDY, CLIFFORD W. (SM'53), Capt., USN, Ordnance Officer, Staff, Com. Serv. Pac., FPO, San Francisco, Calif.

- Calif.

 BUNDY, LEON M. (M'55), Project Engr., IBM, Essex Junction, Vt.
 BUNDY, ROBERT C. (A'46-SM'53), Pres., Arizona Electronics, Inc., 3824 E. 37 St., Tucson, Ariz.
 BUNGE, WALTER R. (A'56), Engr., No. Amer. Avlation, Downey, Calif.
 BUNGER, JOHN W. (S'42-A'44-M'46), Mgr., Quality Control Communication Prods. Dept., GE Co., Utica, N.Y.
 BUNKER, EARLE R., JR. (S'43-A'48-M'55), Chief Engr., Electronics Div., Hydro Aire Co., 3000 Winona, Burbank, Calif.
- Calif.

 BUNKER, GERALD B. (A'54), Capt., USAF, Project Engr., Dev. Directorate, Air Force Special Weapons Center, Kirtland AFB, Albuquerque, N.M.

 BUNKER, RODNEY S. (S'52-A'53-M'57), Electronics Engr., Electro Data Div., 46D Sierra Madre Villa, Pasadena, Calif.

 BUNKER, W. MARVIN (S'51-A'52-M'55), Systems Program Engrg., Defense Systems Depart., GE Co., Syracuse, N.Y.

 BUNKO, MYRON (S'56-M'58), Supvg. Service Engr., Westinghouse Elec. Corp., Baltimore, Md.

 BUNN, HARLIN L. (S'4B-A'51-M'56-M'55)), Dev. Electronics Engr., ITT Labs., Nutley 10, N.J.

 BUNN, JAMES R. (A'57), Staff Engr., Neely Enterprises, 107 Washington St., S.E., Albuquerque, N.M.

 BUNNELL, CHARLES D. (M'58), Quality Control Test Engr., Noffman Labs. Div., 3'440 S. Grand Ave., Los Angeles 7, Calif.

 BUNNEY, EARL (S'53-M'56), Test Planning Engr., Western

- BUNNEY, EARL (S'53-M'56), Test Planning Engr., Western Electric Co., Lexington Rd., Winston-Salem, N.C. BUNT, RICHARD H. (M'54), Supvg. Operator-in-Chg., Canadian Broadcasting Corp., Box H-182, St. Johns, Nfid., Canada.
- Nfid., Canada.
 BUNTENBACH, RUDOLPH W. (A'53-M'57), Head, Electronic
 Engrg. Dev., Precision Technology, Inc., 66 S. P. St.,
 Livermore, Calif.
 BUNTIN, AARON T. (A'59), Elec. Engr., P. Lorillard
 Tobacco Co., Greensboro, N.C.

- Tobacco Co., Greensboro, N.C.
 BUNTING, JAMES H. (\$'50-A'53), Tech. Staff, The Mitre
 Corp., Lexington 73, Mass.
 BUNYAN, STANLEY A. (A'56), Radio Engr., Internatl.
 Aeradio, Ltd., Box 516, Khartoum, Sudan.
 BUNZL, THOMAS F. (\$'56-M'59), Research Engr., Westinghouse Brake & Signal Co., 82 York Way, London N.1,
 Findland inghouse England.

- England.
 BUOTTE, JOSEPH R. (S'57-A'58), Tech. Aide, Bell Tel.
 Labs., 1600 Osgood, North Andover, Mass.
 BURA, PAUL (SM'56), Sr. Engr., Canadian Westinghouse,
 Longwood Rd., Hamilton, Ort., Canada.
 BURAK, MELVIN (A'50-M'55), Research Engr., Air Research
 & Dev. Command, Air Force Cambridge Research Center,
 Hanscom Field, Bedford, Mass.
 BURANICH, OODFREY F. (A'47-M'51-SM'56), Staff Engr.,
 Cornell Aeronautical Lab., Genesee St., Buffalo 21, N.Y.
 BURAMSKI, JOSEPH A. (A'52-M'57), Assoc. Publications
 Engr., IBM, Kingston, N.Y.

- Engr., IBM, Kingston, N.Y.

 BURBANK CECIL J. (SM'56), Electronics Scientist, USN, Electronics Lab., San Diego 52, Calif.

 BURBANK, RALPH W., JR. (A'5B), Systems Technician, Datamatic Div., Minneapolis-Honeywell Regulator Co., 3B Life St., Brighton, Mass.

 BURBECK, DONALD W. (S'45-A'47-M'55), Dept. Head, Thompson-Ramo Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.
- Star, Los Angues 403, Calli.
 BURBO, JAMES H. (S'54-M'56), Staff Engr., Instrumenta-tion Lab., MIT, Cambridge 39, Mass.
 BURCAK, THOMAS (S'54-M'57), Engr., IBM, Owego,
- N.Y.
 BURCH, CHARLES E. (A'54), Engr., WSM, Inc., 7 &
 Union, Nashville 3, Tenn.
 BURCH, EARL C. (M'49), Electronics Test Engr., Hughes
 Aircraft Co., Box 5555, Tucson, Ariz.
- BURCH, JOSEPH E., JR. (A'54), Gage Sales Engr., Pratt & Whitney Co., Inc., 3016 E. Olympic, Los Angeles 23, Calif.
- BURCH, RAY R. (S'56-M'57), Melpar, Inc., 3000
 Arlington Blvd., Falls Church, Va.
 BURCHAM, DONALD P. (M'45-SM'59), Operating V.P.,
 Emerson Research Labs. Div., 1140 East-West Hwy.,
 Silver Spring, Md.
- BURCHAM, NEIL P. (A'53), Mem. Tech. Staff, Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.
- BURCHLL, GEORGE H. (A'50-M'55), Prof., Elec. Engrg., Nova Scotia Tech. College, Halifax, N.S., Canada. BURD, EDWARD M. (S'58-M'59), Assoc. Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.
- BURDEAU, JEROME R. (A'56), Chief Engr., WBEE, Continental Broadcasting, Inc., 157 & Cambell, Harvey, III.
 BURDEN, RICHARD W. (A'58), Co-owner, Richard W.
 Burden Associates, 34 W. Hyatt Ave., Mt. Kisco, N.Y.
 BURDETT, GERALD L. (S'56-M'59), 2735 S. Wagner Rd.,
 Ann Arbor, Mich.
- Ann Arbor, Mich.

 BURDETTE, LAWRENCE R. (S'55-M'5B), Asst. Electronics Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N.Y.
- BURDICK, DONALD D. (A'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. BURDICK, EDWARD J. (M'59), Sr. Engr., RCA, Tucson,
- Ariz.

 BURDICK, GEORGE E. (M'53), Sr. Project Engr., Bald-win-Lima-Hamilton Corp., Waltham, Mass.; Instr., North-eastern Univ., Lincoln Technical Institute, Boston, Mass. BURDICK, LORAINE R. (M'57), Jr. Engr., Collins Radio Co., Cedar Rapids, Iowa.

- BURDINE, BILLY H. (M'59), Mem. Tech. Staff, Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge, Mass. BURDINE, BILLY R. (M'5B), Engr., Texas Instruments, Inc., 6000 Lemmon St., Dallas 9, Tex. BURDITT, W., FRANKLIN (A'47), Electronics Engr., American Cyanamid Co., 1937 W. Main St., Stamford, Conn.

- BUREN, WILLIAM E. (M'57), Design Engr., GE Co., Owensboro, Ky. BURENKO, OLEG (S'55-M'56), Electronics Engr., Convair, Pomona, Calif.

- Pomona, Calif.

 BURFEINDT, KARL L. (S'52-A'54-M'59), Electronics Engr., The Norden Labs., White Plains, N.Y.

 BURFORD, ALFRED J. (S'53-M'5B), Prod. Engr., Sperry Piedmont, Charlottesville, Va.

 BURFORD, THOMAS M. (S'53-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 BURG, GEORGE M. (S'56-M'59), Engr., AC Spark Plug Div., Oak Creek Plant, Box 746, South Milwaukee, Wis. BURG, KENNETH E. (A'40-M'55), V.P., Technical Geophysical Service, Inc., Box 350B4, Airlawn Sta., Dallas 35, Tex.

 BURGAR, DONALD G. (A'49), Div. Mgr., Electro In-

- Dallas 35, Tex.

 BURGAR, DONALD G. (A'49), Div. Mgr., Electro Instruments, Inc., 3540 Aero Ct., San Diego, Calif.

 BURGARELLA, JOHN P. (A'53-M'59), Sr. Project Engr., Minneapolis-Honeywell Regulator Co., 14DD Soldiers Field Rd., Boston 35, Mass.

 BURGE, DALE L. (S'57-M'59), Missile Engr., Boeing Airplane Co., Box 1D7, Seattle 14, Wash.

 BURGE, FREDERICK L. (S'40-A'41-M'55), Special Service Engr., Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 26, Mich.

 BURGEN, JACK G., JR. (S'55-M'57), 1st. JL BACK.
- BURGEN, JACK G., JR. (S'55-M'57), 1st. Lt., USAF, 115B, Northwest, Patrick AFB, Fla.

- 115B, Northwest, Patrick AFB, Fla.
 BURGENER, DONALD R. (M'5B), Engr., GE Co., Nela
 Park, Oleveland 12, Ohio.
 BURGENER, ROBERT C. (A'54), Project Leader, Battelle
 Memorial Institute, 505 King Ave., Columbus 1, Ohio.
 BURGER, ALFRED F. (S'56-M'57), Engr., Philocorp.,
 4700 Wissahickon Ave., Philadelphia 44, Pa.
 BURGER, EUGENE (S'47-A'50-M'55), Mngt. Consultant,
 Eugene Burger & Associates, B58 Palisade Ave., Yonkers 3,
 N.Y.
- BURGER, FRANCIS J. (A'49), Chief Radio Engr., Emerson Radio & Phonograph Corp., 16 & Coles St., Jersey City,

- BURGER, FRANCIS J. (A.47), And Coles St., Jersey City, Radio & Phonograph Corp., 16 & Coles St., Jersey City, N.J.

 BURGER, JOHN H. (A'55), Tester, Andrea Radio Corp., 2701 Bridge Plaza, Long Island City, N.Y.

 BURGER, MICHAEL J. (SM'57), Military Systems Engr., Bell Tel. Labs., Murray Hill, N.J.

 BURGER, RICHARD L. (S'57-M'59), Elec. Engr., Gruman Aircraft Engre. Corp., Bethpage, L.I., N.Y.

 BURGER, ROBERT M. (M'57), Research Physicist, Natl. Security Agency, Ft. Meade, Md.

 BURGER, ROBERT W. (S'55-M'56), Rte. 4, Troy, N.Y.
- N.Y.
 BURGES, ELLIS G., JR. (A'53-M'56), Div. Chief,
 ESI, USAF Security Service, San Antonio, Tex.
 BURGESS, ALLEN G. (S'55-M'5B), 2nd. Lt., USAF, Dept.
 of Defense, U.S. Govt., 9800 Savage Rd., Ft. Meade,
- BURGESS, CHARLES H. (M'54), Sr. Communications Engr., Sun Oil Co., Box 2831, Beaumont, Tex. BURGESS, EDWARD G., JR. (M'55), Research Engr., For Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- BURGESS, ELDON W. (M'59), 555 La Salle Dr., Murray,
- BURGESS, JAMES E. (M'47), Mgr., Power Tube Design Refinement, Varian Associates, 611 Hansen Way, Palo Alto, Calif.
- BIRGESS, LAUREN M. (M'47), Pres. & Genl. Mgr., Precision Line, Inc., 63 Main St., Maymard, Mass. BIRGESS, ROBERT A. (S'57-M'58), Electronics Engr., Dept. of Defense; Home: 2708 Curtis Way, Sacramento, Calif.
- Sect. Mgr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- Finiadelprita 44, PA.
 BURGH, ARTHUR J. (S'51-A'54), Research Engr., Boeing
 Airplane Co., Seattle, Wash.
 BURGHARD, ARMAND R. (M'58), Prods. Mgr., Electronics
 Div., Metal Textile Corp., 647 E. 1st. Ave., Roselle,
 N.J.

- N.J.
 BURGHARD, G. E. (A'18-M'26-SM'43), V.P., Continental Sales Co., Inc., 521 Bloomfield Ave., Newark, N.J.
 BURGI, CHARLES E. (S'55-M'5B), Systems Test Engr., Convair-Astronautics, Box 112B, San Diego, Calif.
 BURGOYNE, CHARLES L. (A'47-M'55), TV Engr., WHDH, Inc., 6 St., James Ave., Boston 16, Mass.
 BURGWALD, GLENN M. (S'47-A'49-M'55), Research Physicist, Armour Research Foundation of Illinois, Instrumentation, Tech. Specialist, Standard Oil Co. of Ohio, Research Div., 4440 Warensville Certer Rd., Cleveland 2B, Ohio.
 BURHANS, VERNON (M'59), Electronics Project Engr.,
- BURHANS, VERNON (M'59), Electronics Project Engr., USAF, Mobile GEEIA Region, Hgrs., Brookley AFB, Mobile, Ala.
- MUDITE, AIA.

 BIRI, FREDERICK J. (A'52-M'55), Sr. Engr., Cook Research Labs., 6401 W. Oakton St., Morton Grove, III.

 BURK, PAUL O. (A'47-M'55), Project Engr., Aerojet Genl.

 Corp., Azusa, Calif.
- BURK, WILIAM A., JR. (M'55), Sr. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif. BURKART, DONALD P. (S'50-A'52-M'56), Design & Dev. Engr., RCA, Camden, N.J.
- EIRIF., RUA, Lamoen, N.J.
 BIRKART, EOWARD H., JR. (A'52), 4742 St. Clair Ave.,
 North Hollywood, Calif.
 BIRKART, HAROLD H. (SM'56), Systems Engr., Advance
 Engrg., HMED, GE Co., Syracuse, N.Y.
 BIRKE, ALAN W. (M'57), B4 Westminster Rd., Newton
 Centre 59, Mass.
 BIDME ALEVANNER M. (CISTA-182, MISE).
- BURKE, ALEXANDER M. (S'51-A'53-M'5B), Engr., RCA, Camden, N.J.

 BURKE, ALVIN L. (SM'52), Col., U.S. Army, Dir., Dept. Specialist Training, U.S. Army Signal School, Ft. Monmouth, N.J.
- BURKE, ARLEIGH A. (SM'57), Adm., USN, Chief of Naval Operations, Washington 25, D.C.

BUR-BUR - 113 -

- BURKE, ARNOLD C. (M'48), Pres., Burke Elec. & X-ray Co., Ltd., 63 Yorkville Ave., Toronto 5, Ort., Canada. BURKE, ARTHUR T. (S'45-M'48-5M'57), Head, Electronic Warfare & Special Dev. Branch, USN Electronics Lab., San Olego 52, Calif.
 BURKE, CHARLES T. (A'25-M'27-F'37), Dir., Planning, Genl. Radio Co., Baker Ave., West Concord, Mass. BURKE, EDWARD J. (M'57), Project Mgr., Data Processing Assembly, IBM, Poughkeepsie, N.Y.
 BURKE, EDWARD J. (M'48-SM'57), Sr. Electronics Engr., Fairchild Guided Missiles Div., Wyandanch, L.I., N.Y.

- BURKE, HARRY E., JR. (SM'51), V.P. & Genl. Mgr., Consolidated Systems Corp., 1500 S. Shamrock, Monrovia, Calif.

- BURKE, HENRY E. (S'56-M'57), Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.
 BURKE, HENRY W. (M'56), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.
 BURKE, JAMES J. (S'57-M'5B), Engr., Sylvania Elec. Prods.,
 Inc., 1100 Weirle Dr., Buffalo 21, N.Y.

- SURKE, JAMES Y. (S.57-M-58), Electronics Engr., V.S. Naval Ordanac Lab., White Oak, Silver Spring 19, Md.

 BURKE, JAMES K. (A'54), Electronics Engr., V.S. Naval Ordanac Lab., White Oak, Silver Spring 19, Md.

 BURKE, JAMES T. (S'41-A'44-M'52-SM'55), Electronics Engr., Sect. Head, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 BURKE, JOHN J. (M'48), Maj., USAF, Electronics Warfare Officer, Strategic Air Command, USAF, Ellsworth AFB, S.D.

 BURKE, JOHN J. (S'45-A'49-SM'54), Exec. V.P., Hallamore Electronics Co., 8352 Brookhurst, Anaheim, Calif.

 BURKE, JOHN J. (S'57-M'5B), Elec. Engr., Genl. Electronic Labs., Inc., 18 Ames St., Cambridge, Mass.

 BURKE, LAWRENCE P. (M'5B), Engr., Advanced Dev. Group, RCA, Harrison, N.J.

 BURKE, M. DENNIS (M'59), Standards Engrg., RCA, Camden, N.J.

 BURKE, MICHAEL L. (M'5B), Assoc. Engr., IBM, Kingston, N.Y.

- BURKE, MIUHAEL L. (M'58), Assoc. Engr., IBM, Kingston, N.Y.
 BURKE, MORTON H. (S'48-A'49-M'55), Electronics Engr.,
 Electronic Associates, Long Branch Ave., Long Branch,
 N.J.
- N.J.

 BURKE, NELSON W. (S'52–M'56), Electronics Engr., Datamatic Corp., 151 Needham St., Newton, Mass.

 BURKE, RANDALL M. (A'56), Sr. Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 BURKE, RICHARD J. (SM'57), Consulting Scientist, Missile Systems Div., Lockheed Aircraft Co., Palo Alto, Calif.

 BURKE, ROBERT H. (S'57–M'58), Sr. Engr., Natl. Water Lift Co., 2220 Palmer Ave., Kalamazoo, Mich.

 BURKE, THOMAS H. (S'54–M'57), Engr., Servo Dev. Unit, HMED., GE Co., 3711 Erie Blvd., East Dewitt, N.Y.

- BURKE, THOMAS H. (S'54-M'57), Engr., Servo Dev. Unit, HMED., GE Co., 3711 Erie Blvd., East Dewitt, N.Y.
 BURKE, THOMAS J. (A'55-M'58), 105 Virginia Ave., Westmont 7, N.J.
 BURKE, WILLIAM T. (A'52-M'57), Asst. to Head, Communications Dept., Mitre Corp., Lexington 73, Mass.
 BURKETT, AMOS C. (A'55-M'59), Sub., Elec & Radio Maint., Cities Service Ref. Corp., Lake Charles, La.
 BURKETT, FRED T. (M'57), Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
 BURKETT, JOSEPH A. (S'53-M'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C.
 BURKETT, KENNETH V. (M'46), Supvr., Test Facilities & Standards Engrop. Dett., Northern Electric Co., Ltd., Sidney St., Believille, Dnt., Canada.
 BURKEY, CARL E., JR., (S'56-M'58), Electronics Engr., U. S., Naval Ordnance Test Sta., China Lake, Calif.
 BURKEY, EVERRETT L. (M'58), Field Engr., Federal Electric Corp., Paramus, N.J.
 BURKHALTER, BERNARD L. (A'50), Sr. Design Research Engr., A.C. Spark Plup Div., 1925 E. Kenilworth St., Milwaukee 2, Wis.
 BURKHARD, DONALD G. (SM'57), Prof., Physics, Univ. of Colorado, Boulder, Colo.
 BURKHARD, DONALD G. (SM'57), Prof., Physics, Univ. of Colorado, Boulder, Colo.
 BURKHARD, FRANCIS J. (A'45-M'53), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 BURKHARD, HENRY F. (A'47-M'55), Data, Imput-Output Engr., U. S. Army Signal Engre, Lab., Ft. Momouth, N.J.
 BURKHARDT, GEORGE N. (M'56), Design Engr., Fastman Kodak
 Co., Rochester, N.Y.
 BURKHARDT, LOYD M. (A'55-M'56), Design Engr., Palo Alto, Calif.

- Engr., U. S. Amy Security Agency, Arinigton hair Star, Arlington 12, Va.

 8URKHART, LLOYD M. (A'55-M'56), Design Engr., Palo Alto Engrg. Co., 620 Page Mill St., Palo Alto, Calif.

 8URKHART, ROBERT N. (A'53), Project Engr., The Admiral Corp., 901 California St., Palo Alto, Calif.

 8URKHART, WILLIAM H. (A'51-M'56), Dir., Electronics Research & Dev., Monroe Calculating Machine Co., Hanover Ave., Morris Plains, N.J.

 8URKHOLDER, CHAMP C. (M'55), Fabricator Electronics Devices, USAF, Lackland AFB, San Antonio, Tex.

 8URLEIGH, ROBERT P. (M'55), Production Mgr., Transistors & Semiconductors, Philoc Corp., Spring City, Pa.

 8URLESON, CAMERON T. (S'51-A'52-M'56), Supvy. Service Engr., Westinghouse Elect. Corp., Electronics E. & S. Dept., Friendship Internatl. Airport, Baltimore 3, Md. BURLESON, MALCOLM M. (A'46), Chief Engr., WHTTG, Metropolitan Broadcasting Corp., 12 & Pennsylvania Ave., N.W., Washington 1, D.C. (S'55-M'56), Scientist, Lockheed
- BURLEY, CAMERON H. (S'55-M'56), Scientist, Lockheed Aircraft Corp., Missile & Space Div., Box 504, Sunnyvale, Calif.
- Calif.

 BURLEY, FRANK E. (A'32-SM'46), Dir., Mfg. Dev., Sandia Cop., Sandia Base, Albuquerque, N.M.
 BURLEY, HARVEY A. (S'48-A'50-M'55), Research Engr., GMC Research, Detroit 2, Mich.

 BURLEY, ROBERT M. (A'53), 61 Main St., Concord, Mass.

- Mass.

 BURLINGAME, CHARLES W. (A'53-M'5B), Chief, Engrg.
 Branch, Mathematical Computation Div., 1st. & Douglas
 St., N.W., Washington 25, D.C.

 BURLINGAME, LESLIE G. (SM'55), Staff Engr., Lenkurt
 Electric Co., 1105 Old County Rd., San Carlos, Callif.

 BURLOCK, JOSEPH (A'44-M'55), Research Engr., Natl.

 Advisory Comm. for Aeronautics, Langley Field, Va.

- BURMANRAY, PRAMATHAN N. (A'52), Asst. Sta. Engr., All India Radio (Govt. of India), Nagpur, 'Madhya Pradesh,
- India.

 BURMEISTER, MARSHALL A. (M'54), Patent Lawyer, Graf, Nierman & Burmeister, 141 W. Jackson Blvd., Chicago 4, Ill.

 BURMEISTER, W. WALTER (M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BURMIL, STANLEY (S'57-M'59), Asst. Research Scientist, New York Univ., Bronx 53, N.Y.

 BURN, JAMES M., JR. (S'50-A'51-M'58), Engr., Westinghouse Elec. Cop., Box 746, Baltimore 3, Md.

 BURN, JAMES W. JR. (S'50-A'51-M'58), Engr., Westinghouse Elec. Cop., Box 746, Baltimore 3, Md.

- Md.

 BURN, JAMES W., JR. (S'51-A'54), Sr. Engr., Monterey Engra. Labs., Firestone Tire & Rubber Co., Box 1431, Monterey, Calif.

 BURNAP, ROBERT S. (A'30-F'47), Mgr., Commercial Engra., RCA, Harrison, N.J.

 BURNEKA, CHARLES R. (A'54), Chief, Components Production Design Sect., Electronic Components Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

- BURNEKA, CHARLES R. (A:54), Chief, Components Production Design Sect., Electronic Components Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
 BURNELL, LEWIS G. (SM'46), Chief Engr., Burnell & Co., 45 Warburton Ave., Yonkers 2, N.Y.
 BURNELL, NORMAN, A'45), Pers., Burnell & Co., Inc., 10 Pelham Pkwy., Pelham Manor, N.Y.
 BURNELL, NORMAN, A'45), Pers., Burnell & Co., Inc., 110 Pelham Pkwy., Pelham Manor, N.Y.
 BURNER, LINCOLN C. (A'55), Electronics Design Engr., MTD Research & Development Corp., Timonium, Md. at AC Spark Plug, 1925 E. Kenilworth Pl., Milwaukee 2, Wis. BURNETT, BRUCE B. (M'59), Sales Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.
 BURNETT, CARLOS E. (A'34-M'40-SM'43), Mgr., Industrial Tube Prods., RCA, Lancaster, Pa.
 BURNETT, DONATHAN (M'59), Design Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 BURNETT, EDWIN F. (S'553-A'54), Test Equipment Engr., National Co., Sherman St., Malden, Mass.
 BURNETT, JAMES H. (M'51-SM'5B), V.P., Electrons, Inc., 127 Sussex Ave., Newark 3, N.J.
 BURNETT, JAMES H. (M'51-SM'5B), Sales Engr., Tex Electroreclanical Systems Lab., Space Technology Labs., Inc., 5730 Arbor Vitae, Los Angeles 45, Calif. BURNETT, JOSEPH W. (M'57), Tech. Writer, Western Electric Co., Winston-Salem, N.C.
 BURNETT, KARL H. (A'43-M'50), Test Dev. Engr., F. W. Sickles Div., Genl. Instrument Corp., 165 Front St., Chicopee, Mass.
 BURNETT, KENNETH N. (A'51-M'5B), Sales Engr., GE
 Co., N. Black Canyon Hwy., Phoenix, Ariz.
 BURNETT, LEAND J., JR. (S'49-A'50-M'55), Design Engr., The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.
 BURNETT, LONNIE A. (S'52-M'56), Project Engr., Cincinnati Milling Machine Co., Cincinnati 9, Ohio.

- Stamford, Conn.

 BURNETT, LONNIE A. (S'52-M'56), Project Engr.,
 Cincinnati Milling Machine Co., Cincinnati 9, Ohio.

 BURNETT, NEIL C. (A'59), Asst. Project Coordinator,
 McDonnell Aircraft Corn., St. Louis, Mo.

 BURNETT, THOMAS H., JR. (SM'59), Suovy. Electronics
 Engr., Warner Robins GEEIA Regional Office, Robins AF8,
 Ga.
- Ga.
 BURNETT, WALTER A. (M'57), Sales Mgr., Switch Div.,
 Applied Science Corp. of Princeton, 1641 S. LaCienege
 Blvd., Los Angeles 35, Calif.
- BIVI., Los Angeles 35, Calif.

 BURNETT, WALTER B. (A'56), Test Engr., Convair, Pomona, Calif.

 BURNETT, WILLIAM W. L. (A'27-M'45), Electronics Engr., A.I.M., U. S. Naval Sta., San Diego 36, Calif.

 BURNETTE, WILLIAM D. C. (A'57), Field Engr., RCA Service Co., Camden 8, N.J.

 BURNHAM, JOHN (M'51), Research & Engrg. Consultant, 10960 Verano Rd., Los Angeles 24, Calif.

 BURNHAM, ROBERT E. (S'56-A'58), Electronic Engrg. Technician, Wright Airborne Electronics, 1620 McGee Trafficway, Kansas City B, Mo.

 BURNS, BRUCE E. (S'51-A'54), Project Engr., System Test Equipment, Hughes Aircraft Co., Box 90426, Airport Sta., Los Angeles 45, Calif.

 BURNS, CI ENCE L. (A'53-S'56-M'58), Dev. Engr.,

- BURNS, CLENCE L. (A'53-S'56-M'58), Dev. Engr., Motorola, Inc., W.M.E.C., 8201 E. McDowell Rd., Phoenix, Ariz.
- BURNS, DAVID C. (A'56), Test Process Engr., RCA,
- BURNS, DONALD L. (M'59), Design Engr., GE Co., Syracuse, N.Y. BURNS, DONALD W. (A'56), Research Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y. BURNS, EDWARD P. (SM'59), Pres. Burmal Electronics Co., Inc., 142 S. Long Beach Rd., Rockville Centre, L.I., N.Y.
- L.I., N.Y.
 BURNS, GEORGE D. (A'47), Sales, Peter J. Schweitzer
 Div., 261 Madison Ave., New York 16, N.Y.
 BURNS, GORDON K. (S'32-A'36-VA'39-SM'59), Dir.,
 Prod. Dev., Teletype Corp., 1400 Wrightwood Ave.,
 Chicago 14, III.
- Prod. Dev., Teletype Corp., 1400 Wrightwood Ave., Chicago 14, Ill.

 BURNS, HAROLD S. (A'43-M'46), Pres., Pickard & Burns, Inc., 240 Highland Ave., Needham 94, Mass.

 BURNS, JAMES A. (A'54), Long Range Planning, Bendix Systems Division, 3300 Plymouth Rd., Ann Arbor, Mich.

 BURNS, JAMES D. (M'5B), Mem. Tech. Staff, Hughes Aircraft Cor., Culver City, Callf.

 BURNS, JAMES J. (M'57), Electronics Engr., Goodyear Aircraft Corp., Litchield Park, Ariz.

 BURNS, JOHN A. N. (M'5B), Electronics Engr., E.M.I. Electronics, Ltd., Blyth Rd., Hayes, Middx, England.

 BURNS, JOHN C. (A'54), Project Engr., Aeronautical Radio, Inc., 1700 K St., Washington 6, D.C.

 BURNS, JOHN E. (S'52-A'54-M'58), Sect. Head, Electronic Engr., Dept., Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio.

 BURNS, KAY N. (S'52-A'53-M'58), Research Engr., Jersey Production Research Co., 1133 N. Lewis, Tulsa 10, Okla.

 BURNS, LESLIE L., JR. (S'43-A'44-M'40-SM'52),

- 10, Okla.

 BURNS, LESLIE L. JR. (S'43-A'44-M'40-SM'52),
 Research Engr., RCA Labs., Princeton, N.J.

 BURNS, MERYL C. (A'48-M'55-SM'57), Engrg. Dir.,
 Radiation, Inc., 1380 Hanover, Palo Alto, Calif.

 BURNS, ROBERT F. (S'48-A'50), Sr. Project Engr.,
 Budelman Radio Corp., 375 Fairfield Ave., Stamford,
 Conn.

- BURNS, ROBERT O. (SM'47), Dev. Coordinator, Code 900, Office of Naval Research, Dept. of Navy, Washington 25, D.C.
- BURNS, ROBERT P. (A'46), Dir., Sound Dept., Balaban & Katz, Great States Theaters, 177 N. State St., Chicago,

- BURNS, STANLEY S. (M'56), V.P., Research & Dev., Marathon Electric Mfg. Comp., Wausau, Wis. BURNS, WILLIAM E. (M'55), Project Engr., IBM, 99 Notre Dame Ave., San Jose, Calif. BURNS, WILLIAM W. (S'56-A'56), Staff Asst., Sandia Comp., Sandia Base, Albuquerque, N. M. BURNSIDE, CARROL J. (A'27-M'38-SM'43), Staff Engr., Lockheed Missles Systems Div., Sunnyvale, Calif. BURNSIDE, CALZABETH D. (M'54), Physicist, Naval Ordnance Lab., White Oak, Silver Spring, Md. BURNSWEIG, JOSEPH, JR., (M'47), Mem. Tech. Staff, Research & Dev. Labs., Hughes Aircraft Co., Culver City, Calif.
- Calif.

 BUROOJY, THOMAS J. (S'51-A'53-M'58), Sales Engr.,
 C.P. Clare & Co., 101 N. 33 St., Philadelphia 4, Pa.

 BURR, GEORGE S. (A'53-M'58), V.P., Instron Engr.,
 Corp., 2500 Washington St., Canton, Mass.

 BURR, JACK A. (M'5'), Chief Instr., Radio Electronics
 Television Schools, 3730 Woodward Ave., Detroit 1,
- BURR, KENNETH L. (S'43-A'46), Supvy. Engr., Quality Evaluation Lab., Naval Ammunition & Net Depot, Seal Beach,

- Evaluation Law, Navaramentors to Construct Calif.

 BURR, PETER T. (S'57-M'59), U.S. Army, Home: B12

 Vicar Lane, Alexandria, Va.

 BURR, R. PAGE (A'48-SM'53), Pres., Circuit Research
 Co., Coil Spring Harbor, L.I., M.".

 BURR, ROBERT L. (M'57), Sr. Field Engr., Arnoux Corp.,
 11924 W. Washington Bivd., Los Angeles 66, Calif.

 BURR, WILLIAM E. (S'57-A'51-M'56), Engr., Weskinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 BURRELL, JOHN E. (A'53-M'58), Mgr., Tech. Operations,
 NBC, 3000 W. Alameda, Burbank, Calif.

 BURRELL, WARREN P. (S'47-A'49-M'55), Mgr.,
 Systems Dev. Dept., Computer Dev. Div., Remington
 Rand Univac, St. Paul 16, Minn.

 BURRER, GORDON J., JR. (S'55-M'56), Elec. Engr.,

- Systems Dev. Dept., Computer Dev. Div., Remington Rand Univac, St. Paul 16, Minn.
 BURRER, GORDON J., JR. (S¹55-M¹56), Elec. Engr., Crosley Div., Avco Mfg. Co., 1329 Arlington, Cincinnati 25, Ohio.
 BURRIDGE, MICHAEL V. (A¹53), Sales Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P. Q., Canada BURRIER, WILLIAM O. (A¹57), Asst. Radio Engr., Timken Roller Bearing Co., Canton 6, Ohio.
 BURRILL, CHARLES M. (A¹24-M³30-SM¹43), Research Engr., Astro-Electronic Prods. Div., David Samoff Research Center, RCA, Princeton, N. J.
 BURRILL, GEORGE P. (M¹57), Research Engr., Natl. Aeronautics & Space Administration, Langley AFB, Va.
 BURRIS, HOWARD A. (S¹56-M¹58), Elec. Engr., Melpar, Inc., 3000 Arlington Blud., Falls Church, Va.
 BURRIS, HOWARD A. (S¹55-M¹58), Consultant, Acoustics, 734 15 St., N. W., Washington 5, D.C.
 BURROUGHS, ELWIN H. (S¹51-A¹53-M¹57), Engr., GE
 Co., Syracuse, N.Y.
 BURROUGHS, ELWIN H. (S¹51-A¹53-M¹57), Engr., GE
 Co., Syracuse, N.Y.
 BURROUGHS, ELWIN H. (S¹51-A¹53-M¹57), Engr., GE
 Surroughs Engr., Corrigan Lane, Greenwich, Owner, Burroughs Engrg., Corrigan Lane, Greenwich, Engr. New York, NOWARD A. (A¹41-M¹44-SM¹45), Consulting Engr.

- Conn.

 BURROUGHS, HOWARD A. (A'41-M'44-SM'45), Consulting Engr., New York Public Service Commission, 199 Church St., New York 7, N.Y.

 BURROUGHS, LOUIS R. (A'45), V.P., Electro-Voice, Inc., Buchanan, Mich.

 BURROW, WILLIAM R. (S'51-A'54-M'59), Jr. Observer, Robert H. Ray Co., 2500 Bolsover, Houston 5, Tex.

 BURROWS, CHARLES R. (A'24-M'3B-SM'43-F'43), V.P., Engrg., Radiation, Inc., Box 37, Melbourne, Fla.

 BURROWS, HOWARD R. (A'47-M'55), Sound Engrg., Allied Broadcasting Co., 1027 Sibley Tower Bldg., Rochester 4, N.Y.

 BURROWS, R. CLAUDE, JR. (A'54), Video Engr., KPRC-

- Rochester 4, N.Y.

 BURROWS, R. CALDDE, JR. (A'54), Video Engr., KPRC-TV. Box 1234, Houston, Tex.

 BURROWS, RUSSELL M., JR. (M'57), Quality Control Engr. A, Chrysler Comp., Box 262B, Detroil 31, Mich.

 BURROWS, W. RAYMOND (M'5B), Raytheon Mfg. Co., 225 N. Washington St., Rome, N.Y.

 BURRUANO, SAMUEL J. (M'54–SM'5B), Project Dir., Filtron Co., Inc., Box 1589, San Diego 12, Calif.

 BURRUS, WALTER R. (S'51–M'55), Physicist, Box 3021, Univ. Sta., Columbus 10, Ohio.

 BURSHNICK, JAMES D. (M'59), Test Engr., IBM, Owego, N.Y.

- N.Y.
 BURSTEIN, IRWIN (S'55-A'57), 1484 Hoe Ave., New York 60, N.Y.
 BURT, CLINTON R. (A'57), Livrarian, Raytheon Mfg.
 Co., Box 636, Santa Barbara, Calif.
 BURT, JOSEPH M. (A'56), Zone Sales Mgr., Motorola Communications & Electronics, Inc., Box 4216, Ft.
 Lauderdale, Fla.

- Lauderdale, Fla.

 BURT, ROBERT F. (M'56), Research Engr., Lockheed Aircraft Com., Box 504, Sunnyvale, Calif.

 BURT, ROGER A. (M'55), Mgr., Systems Analysis, Electronic Control Systems Div., Stromberg-Carlson, 2231 Barrington Avc., Los Angeles 25, Calif.

 BURT, WILLIAM G., JR. (S'42-A'45-M'51), Asst. to Tech. Dir., Genl. Communication Co., 677 Beacon St., Boston 15, Mass.
- BIRTCH, NEIL A. (S'56), Chief, Electronics Maint. Dept., Univ. of Alberta, Edmonton, Alta., Canada. BURTIS, STOKES F., JR. (M'57), 405 Haverford Pl., Swarthmore, Pa.
- Swarthmore, Pa.
 BURTNER, RICHARD L. (M'46-SM'52), SUBROC Project
 Mor. Goodyear Aircraft Corp., 1210 Massillon Rd., Akron
 15, Ohio.
 BURTNER, RDBERT K. (A'55), Sales Mgr., Spevtrol
 Electronics Corp., 1704 S. Del Mar Ave., San Gabriel,
 Calif.
- Calif. BURTNESS, ROGER W. (SM'57), Assoc. Prof., Elec. Engrg. Dept., Univ. of Illinois, Urbana, III.

- BURTNYK, NESTOR (A'53), Asst. Research Officer, Natl. Research Council, Montreal Rd., Ottawa, Ont., Canada. BURTON, CHARLES A., JR. (S'56-M'59), Elec. Engr., Magnavox Research Lab., 2302 Carmelina Ave., Los Angeles 64, Calif.
- BURTON, D. A. (A'41), Pres & Treas., Tri City Radio Corp., Muncie, Ind.
- BURTON, DOANLD M. (M'59), Design Engr., RCA,
- BURTON, EDWARD B. (A'37), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45.
- BURTON, EVERETT T. (A'30-M'40-SM'43), Consultant, Engrg. Research Institute, Univ. of Michigan, Ypsilanti, Mich.
- BURTON, FLOYD E. (A'56), Design Engr., Avca Mfg. Corp., Crosley Div., 1329 Arlington, Cincinnati 24, Ohio.
- BURTON, GARDNER T. (S'56-M'58), Elec. Engr., RCA, Camden, N.J.
- BURTON, GORDON L. (M'54), Engr., Raytheon Mfg. Co., Bedford, Mass. BURTON, HAROLD L. (S'57-M'59), 903 Carson St., Cocoa, Fla.

- Fla.
 BURTON, JAMES R. (S'50-A'51-M'56), Rep., Mkt.
 Dev., (BM, 112 E. Post Rd., White Plains, N.Y.
 BURTON, JAMES R. (M'57), Engr., Doudsa Aircraft
 Co., 827 Lapham, El Segundo, Calif.
 BURTON, JAMES W. (M'57), Field Engr., CBS-Hytron,
 1990 N. Mannheim Rd., Melrose Park, Ill.
 BURTON, JOHN T. (S'57-A'59), Instrumentation Engr.,
 AC Spark Plug Co., 2000 Kenilworth Pl., Milwaukee,
 Wis.
- 8URTON, KEITH M. (A'44), Electronics Technician, Special Research Div., U.S. Naval Electronics Lab., San Diego 52, Calif.

- Special Research Div., U. S. Naval Electronics Lab., San Diego 52, Calif.

 BURTON, NORMAN H. (A'54), Design Engr., RCA, New Holland Pike, Lancaster, Pa.

 BURTON, RICHARD E. (A'55-M'58), Design Engr., Collins Radio Co., Rapids, Jowa.

 BURTON, RICHMOND B. (A'57), Electronics Maint. Technician, FAA, Box 3006, Raleigh, N.C.

 BURTON, ROBERT G. (S'4B-A'49-M'55), Project Supvr., Well Surveys, Inc., Box 2656, Tulsa 3, Okla.

 BURTON, WALTER G., JR. (S'52-M'56), Research Engr., Natl. Aeronautics & Space Administration, Langley Research Center, Hampton, Va.

 BURTON, WELLS E. (S'43-A'4B-M'55), Engr., GE Co., Johnson City, N.Y.

 BURWELL, ANSON C., JR. (SM'54), Supvr., Product Engrg., Sylvania Elec. Prods., Inc., Emporium, Pa.

 BURWEN, RICHARD S. (S'44-A'51-M'54-SM'56), Supvr., Electronics Instruments, Minneapolis-Honeywell Regulator Co., 1400 Soldiers Field Rd., Boston, Mass.

 BURWIN, ELIAHU (A'58), Research Engr., Ministry of
- BURWIN, ELIAHU (A'58), Research Engr., Ministry of Defence, Scientific Dept., Box 7063, Hakirya, Tel-Aviv, Israel.
- BURY, GEORGE J. (M'52), Staff Officer, Telecommunications, Canadian Joint Staff, RCAF, 66 Ennismore Gardens, London SW 7, England.
- BURYN, EDWARD C. (A'57), Tech. Writer, Minneapolis-Honeywell Regulator Co., 1724 Mountain Ave., Duarte, Calif.
- BURZYCKI, MATTHEW (A'44-M'55), Instr., New York State Agricultural & Technical Institute, Alfred, N.Y. BUSACKER, JOHN W. (A'47), Mgr. & Pres., Busacker Electronic Co., Inc., 1216 W. Clay Ave., Houston 19, Tex.

- Tex.

 BUSBY, ALFRED E. (A'54), Elec. Lab. Technician, Scovill Mfg. Co., 99 Mill St., Waterbury, Conn.

 BUSBY, EDWIN S., JR. (A'51-M'56), Field Service Engr., Ampex Corp., University Bidg., Washington 9, D. C.

 BUSBY, JOHN W. (SM'55), Engrq. Dept. Head, Search Raddar, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BUSBY, JOHN W. (S'48-A'50-M'55), Genl. Mgr., Alwac Computer Div., El-Tronics, Inc., 20 S. 15 St., Philadelphia 2, Pa.
- BUSBY, LAWRENCE A. (S'49-A'49-M'56), Sr. Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.
- ROCHESTER, N.Y.

 BUSCALL, DAVID C., JR. (M'57), Project Mgr., Signal Communications Dept., U. S. Army Electronic Proving Ground, Fr. Huachuca, Ariz.

 BUSCH, AARON A. (S'52-A'53-M'59), Engr., Quality Control Equipment Surveys, Western Electric Co., 100 Central Ave., Kearny, N.J.
- BUSCH, ALBERT E. (A'44-M'52), Assoc. Dir., Engrg., Industrial & Military, Admiral Corp., 3800 Cortland St., Chicago 47, III.
- BUSCH, CARL R. (A'54-M'56), Project Engr., Jansky & Bailey, Inc., 1339 Wisconsin Ave., N.W., Washington 7, D.C.

- D.C.

 BUSCH, CARL W. (M'55), Engr., Altas-Werke, A.G.
 Bremen, Box 11, Bremen, Germany.

 BUSCH, EDWARD G. (M'58), Chief Engr., Franklin Electronics, E. 4 St., Bridgeport, P.

 BUSCH, KENNETH J. (A'55-M'59), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 BUSCH, SIEGBERT D. O. (M'56), Field Engr., Natl. Scientific Labs., Inc., 2010 Massachusetts Ave., N.W., Washington 6, D.C.

 BUSCHER, DONALD G. (S'52-A'53-M'53), Computer Systems Engr., City of Philadelphia, City Hall Annex. Philadelphia, Pa.

 BUSCHER, RICHARD G. (M'56), Design Engr., CE.Co.
- BUSCHER, RICHARD G. (M'56), Design Engr., GE Co., Schenectady, N.Y. BUSCHING, HAROLD L. (S'50-A'51-M'55), Engro. Sect. Head, Sperry Gyroscope Corp., Great Neck, L.I., N.Y.
- N.Y.
 BUSCHKE, HENRY A. (S'56-M'57), Dev. Engr., Stewart-Warner Electronics, 1300 N. Kostner, Chicago, III.
 BUSENKELL, CHARLES C. (SM'49), Exec. Engr., Continental Aviation & Engrg. Corp., 18747 Sherman Way, Reseda, Calif.
- Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- BUSH, BARKSDALE A., JR. (A'55), Field Engr., The I. E. Robinson Co., 7404 W. Chester Pike, Upper Darby,

- 114 -

- BUSH, BEN E., JR. (A'43), Research Engr., Boeing Airplane Co., Seattle 14, Wash.
 BUSH, CARROLL H., JR. (S'56-A'57), Jr. Engr., Sparton Electronics, 2400 E. Ganson St., Jackson, Mich.
 BUSH, CHARLES R. (A'30-VA'39-M'55), Geophysical Dept., Sun Oil Co., Box 2831, Beaumont, Tex.
 BUSH, GEORGE B. (A'45-M'55), Physicist, Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- BUSH, GEORGE P. (M'25-SM'43), Emeritus Prof., American Univ., 1901 F. St., N.W., Washington 6, D.C. BUSH, JOHN A. (J'41-A'43), Electronics & Project Engr., Box 783, Red Bank, N.J.

- Box 783, Red Bank, N.J.

 BUSH, JOHN E. (S'56-M'56), Project Engr., Cooke Engrg.

 Co., 508 N. Pitt St., Alexandria, Va.

 BUSH, LAWRENCE A. (S'53-A'54), 1000 Sherlock Dr.,

 Burbank, Calif.

 BUSH, NYLE E. (S'48-A'49-M'55), Sr. Engr., Power

 Control & Communications Dept., Westinghouse Elec. Corp.,

 700 Braddock Ave., East Pittsburgh, Pa.

 BUSH, ROBERT S. (M'50-SM'54), Network Design Engr.,

 Gates Radio Co., 123 Hampshire St., Quincy, III.

 BUSH, T. KELLER (A'47-M'50), TV (Broadcasting) Tech
 nician, Jefferson Standard Broadcasting Co., 1 Jefferson Pl.,

 Charlotte, N.C.

 BUSHARIS, JOHN G. (S'49-A'50-M'55), Seaff Engr.
- BUSHARIS, JOHN G. (S'49-A'50-M'55), Staff Engr., Genl. Precision Lab., Inc., Pleasantville, N.Y. BUSHART, GRAYDON J., JR. (S'47-A'51-M'56), Lead Systems Design Engr., Chance-Vought Aircraft Co., Box 5907, Dallas, Tex.
- Box 5907, Dallas, Tex.

 BUSHBY, THOMAS R. W. (A'33-M'40-SM'43), Supt. Tech. Services, Aviation Dept. Amaigamated Wireless (Australasia), L1d., Box 2516, GPO, Sydney, NSW, Australia.

 BUSHER, ROBERT E. (S'57-M'58), Jr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 BUSHEY, RONALD A. (S'58-M'59), Missile Systems Engr., Raytheon Mfg. Co., North Andover, Mass.

 BUSHMAN, FRANK W. (M'49), Sr. Group Engr., Boeing Airplane Co., Seattle, Wash.

 BUSHMAN, STEPHEN F. (A'41-M'45), Electronics Engr., Bell & Howell Co., 7100 McCormick Rd., Chicago 45, III.

- BUSHNELL, JOHN M. JR., (S'47-A'50), Dir., Engrg., KV00, KV00-TV, 37 & Peoria Sts., Tulsa 3, Okla. BUSHNELL, RICHARD R. (A'53), TV Technician, WJAR-TV Outlet Co., 176 Weybosset St., Providence 2, R.I. BUSHNELL, ROBERT H. (A'51-M'55), 2118 Regent St., Madison 5, Wis.
- Madison 7, Wis.

 BUSHOR, WILLIAM E. (S'50-A'51-M'56), Assoc. Editor,
 McGraw-Hill Publishing Co., Inc., Electronics Magazine,
 330 W. 42 St., New York 35, N.Y.

 BUSHROE, GALE A. (S'57-A'57), Site Technician,
 Burroughs Corp., 511 N. Broad St., Philadelphia, Pa.
 BUSIGNIES, HENRI (M'42-SM'43-F'45), Pres., ITT Labs.,
 Nutley 10, N.J.
- Nutley 10, N.J.

 BUSINGER, KENNETH A. (M'56), Foreman, Instruction, Ohio Bell Tel. Co., 750 Huron Rd., Cleveland 15, Ohio.

 BUSKIRK, JOHN F. (M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 BUSLER, JACK C. (S'54-A'55), Dev. Engr., Motorola, Inc., B201 E. McDowell Rd., Phoenix, Ariz.

 BUSLER, LOUIS F., JR. (A'48), Industrial Electronics Salesman, Bluff City Distributing Co., 234 East St., Memphis 3, Tenn.

- Memphis 3, Tenn.

 BUSQUET, PIERRE R. (M"59), Engr., Commissariat a l'Energie Atomique, 4 rue de Mondovi, Paris 1, France.

 BUSS, JERROLD L. (5'56-M'57), Assoc. Quality Analysis Engr., Minneapolis-Honeywell Regulator Co., Inc., 600 N. 2nd St., Hopkins, Minn.

 BUSS, ROBERT R. (S'37-A'42-SM-46), Assoc. Prof., Elec. Engrs., Stanford Univ., Stanford, Calif.

 BUSSARD, E. J. H. (A'24-M'30-SM'43), Staff Engr., Avco. Mfg. Corp., Crosley Div., 1329 Arlington St., Cincinnati 25, Ohio.

- 25, Ohio.
 BUSSAT, ROBERT M. A. (A'35), Engr., Philips-Metalix, 10 Rue de la Passerelle, Suresnes, Seine, France.
 BUSSE, C. CLARK (S'43-A'44-M'50), Mgr., Link Aviation, Binghamton, N.Y.
 BUSSE, CLIFFORD A. (A'51), Chief Electronics Engr., Defense & Tech. Prods. Div., Rheem Mfg. Co., 9236 E. Hall Rd., Downey, Calif.
- BUSSELL, BERTRAN (M'5B), Lecturer & Assoc. Research Engr., Dept. of Engrg., Univ. of California, Los Angeles 24, Calif.

- BUSSELL, NORRIS H. (S'55-M'58), Elec. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass. BUSSEY, HOWARD C. (S'48-A'50-M'57), Design Engr., GE Co., Utica, N.Y. BUSSEY, HOWARD E. (SM'56), Microwave Measurements, Dielectric & Magnetic, U. S. Natl. Bureau of Standards, Boulder, Colo.
- Boulder, Colo.

 BUSSEY, ROBERT L. (A'52-M'58), Mgr., Testing Lab.,
 BM, Endicott, N.Y.

 BUSSGANG, JULIAN J. (A'52-M'55-SM'58), Mgr., Applied
 Research, RCA, Box 568, Burlington, Mass.

 BUSSOLINI, JACOB J. (S'56-M'59), Jr. Engr., Hazeltine
 Electronics Corp., Little Neck 62, L.I., N.Y.
- BUSTAMANTE, HERMAN A. (S'56-M'57), Assoc. Engr., Missiles Systems Div., Lockheed Aircraft Corp., Sunnyvale, Calif.

- Calif.

 BUSUTTIL, HENRY L. (S'4B-A'50-M'55), System Engr., Hughes Aircraft Co., Culver City, Calif.

 BUTALA, EDWARD F. (A'55), Assoc. Engr., Westinghouse Elec. Corp., Baltimore, Md.

 BUTCHART, RODERICK D. (A'57), Owner, Rod Butchart Co., 11327 Stockwell, Detroit 24, Mich.

 BUTCHER, JOHN H. (A'44-M'55), Supvo. Engr., Customer Services, Michigan Bell Tel Co., 1365 Cass Ave., Detroit 26, Mich.

- 26, Mich.
 BUTCHER, JOHN H. (A'59), Electronics Engr., Gates Radio Co., 123 Hampshire, Quirey, III.
 BUTCHER, RALPH B. (M'59), Microwave Prod. Engr., Sperry-Piedmont, Rtc. 29, Charlottes ville, Va.
 BUTCHER, ROBERT J. (S'54-A'55), ST. Electronics Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.
 BUTCHER, STEVEN, JR. (A'52-M'57), Supvr., Computer In/Out Sect., Sylvania Elec. Prods., Inc., 189 B St., Needlam, Mass.
 BUTEMEYER, DEAN K. (M'58), Dev. Engr., Welcx, Inc., Box 165B, Houston, Tex.

- BUTENHOFF, ROBERT L. (A'49-M'55), DIr., USAEC Washington 25, D.C. BUTENKO, JOHN W. (S'49-A'50-M'5B), Mfg. Design Engr., RCA, Harrison, N.J. BUTERBAUGH, JOHN N. (S'52-A'53-M'5B), Sr. Research Engr., Rheem Electronics Lab., 7777 Industry, Rivera, Calif.
- Calif.
 BUTLER, ADDLF G. (S'32-A'35-VA'39-M'55), Chief Production Engr., American Pipe & Construction Co., Box 342B, Terminal Annex, Los Angeles 54, Calif. BUTLER, ALBERT A., JR. (M'57), Engr., Sperry-Piedmont Co., Charlottesville, Va.
 BUTLER, ARTHUR H. (M'57), Radio Engr., Westinghouse Broadcasting Co., Inc., B15 Superior Ave., Cleveland 14, Ohio.

- Ohio.

 BUTLER, BUDDY L. (A'57), Research & Dev. Technician, Convair, Pacific Hwy., San Diego, Calif.

 BUTLER, CLIFTON A. (S'47-A'50-M'56), 1B Frances Crescent, Agincourt, Ont., Canada.

 BUTLER, DAN M. (S'56-M'57), Instrumentation Engr., Chance Vought Aircraft, Dallas, Tex.

 BUTLER, DONALD S. (A'53-M'5B), Account Administrator, Robertshaw-Fulton Controls Co., Aeronaukical & Instrument Div., Santa Ana Freeway at Euclid, Anaheim, Calif.
- BUTLER, EDWARD W. (SM'51), V.P., Sales, Speer Carbon Co., St. Marys, Pa.
 BUTLER, FRANK M., JR. (A'54), Tech. Advisor, Range Safety Office, USAF, Air Proving Ground Center, Attn. PGOS, Eglin AFB, Fla.
- BUTLER, EGORGE T., JR. (S'47-A'49-M'55), Project Engr., GE Co. LMED, Utica, N.Y. BUTLER, HENRY J. (A'43-M'51), Project Engr., Westing-house Elec. Corp., Friendship Internati. Airport, Baltimore 3, Md.
- 3, Md.
 BUTLER, HENRY R. (A'23-SM'55), Assoc. Dir., Avionics Lab., (TT Labs., Nutley 10, N.J.
 BUTLER, HERBERT (M'45), Electronics Engr., Astro Electronics Div., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 BUTLER, HOWARD E. (M'57-SM'59), Engr., GE Co., Uitca, N.Y.
 BUTLER, JACK G., JR. (S'49-A'52-M'57), Lab. Engr., McDonnell Aircraft Corp., St. Louis, Mo.
 BUTLER, JAMES E. (A'55), Field Support Engr., RCA, Camden 8, N.J.

- BUTLER, JAQUITH G. (S'53-A'54), Engr., RCA, Graph, Chrysler Corp., Box B57, Huntsville, Ala. BUTLER, JAQUITH G. (S'53-A'54), Engr., RCA, Camden, N.J.
- BUTLER, JESSE L. ('49-A'50-M'57), Microwave Dept. Mgr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.
- BUTLER, JOHN E. (S'54-M'56), Avionics, Fighter Design, USN, Bureau of Aeronautics, Navy Dept., Washington 25, D.C.
- O.C.
 BUTLER, JOHN W. (A'54), Sr. Prod. Design Engr., Specialty Control, GE Co., Waynesboro, Va.
 BUTLER, KENNETH L. (S'56-M'57), Naval Officer, USN, NASWP, Kirland AFR, Albuquerque, N.M.
 BUTLER, L. W. (M'45), Transmission Engr., Wisconsin Telephone Co., 740 N. Broadway, Milwaukee 2, Wis.
 BUTLER, PAUL (S'50-A'51-M'58), Project Coordinator, Naval Drinance Labs., White Oak, Silver Spring 19, Md.
- Md.

 BUTLER, PAUL H. (M'57), Supvg. Engr., Chryse,
 Missile Div., ABMA, Redstone Arsenal, Huntsville, Ala.

 BUTLER, RICHARD A. (S'57-A'5B), Design Engr., IBM,
 Poughkeensie, N.Y.

 BUTLER, ROBERT H. (A'57), Sales Mgr., Industrial Electronics, Taylor Pearson & Carson (B.C.), Ltd., 1006

 Richards St., Vancouver, B.C., Canada.

 BUTLER, ROBERT W. (A'47-SM'53), Asst. Quality Control
 Mgr., Bendix Aviation Corp., Box 1159, Kansas City 41,
 Mo.

- BUTLER, SAMMY A. (S'56-M'57), Assoc. Engr., IBM, Ossining, N.Y.
- Ossining, N.Y.

 BUTLER, THOMAS W., JR (A'53-M'5B), Assoc. Research
 Engr., Engrg. Research Institute, Univ. of Michigan, Ann
 Arbor, Mich.

- Arbor, Mich.

 BUTLER, WARREN E. (S'49-A'50), Project Engr., Stavid Engrg., Inc., Hwy. 22, Plainfield, N.J.

 BUTLER, WILLIAM I. (S'57-M'58), Engr., Airborne Instrument Lab., Mincola, L.I., N.Y.

 BUTLER, WILLIAM J. (S'56-M'58), Jr. Engr., IBM, Poughkeepsie, N.Y.

 BUTON, EARL C., JR. (S'54-A'55), Assoc. Engr., IBM, Kingston, N.Y.

 BUTSCH, LEONARD M., JR. (A'54), Chief, Computer Research Branch, Aeronautical Research Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

- Development Center, Wright-Patterson AFB, Ohio.
 BUTT, CHARLES (M'45), Research Physicist, Hughes Aircraft Co., Culver City, Calli.
 BUTT, HARVEY R. (A'30-M'57), Marketing Mgr., Radiomarine Prods., RCA, Camden Z, N.J.
 BUTT, NEWBERN C. (S'49-A'52-M'56), Research Engr., Lockneed Aircraft Co., Sunnyvale, Calli.
 BUTT, ROBERT J. (A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., NY.
 BUTT, S. PAGE JR. (S'52-A'53), Semiconductor Components Engr., Remington Rand Univac, 1900 Allegheny Ave., Philadelphia, Pa.
 BUTTA, ROBERT S. J. (A'57). Design Engr., Pagniblic

- Ave., Philadelphia, Pa.

 BUTTERPHICK, GILBERT N. (S'58-A'59), Design & Dev.
 Engr., RCA,
 Moorestown, N.J.

 BUTTERWORTH, GREIG S. (S'58-A'59), Design & Dev.
 Engr., RCA,
 Moorestown, N.J.

 BUTTERWORTH, GREIG S. (S'58-A'59), Design & Dev.
 Engr., RCA,
 Moorestown, N.J.

 BUTTERWORTH, GREIG S. (S'51-A'52-M'57), Engr.,
 No. Amer. Aviation, Columbus 13, Ohio.

 BUTTERWORTH, GREIG S. (S'51-A'52-M'57), Engr.,
 No. Amer. Aviation, Columbus 13, Ohio.

 BUTTERWORTH J. SCOTT (A'56), Assoc. Prof. of Medicil

- BUTTERWORTH J. SCOTT (A'56), Assoc. Prof. of Medicine, New York Univ. Post-Grad. Med. School, 550 1st Ave., New York, N.Y.
- BUTTERWORTH, JOHN W. (SM'48), Deputy Chief Engr., American Cable & Radio Corp., 67 Broad St., New York 1, N.Y. BUTTERWORTH, JOSEPH E. (S'55-M'5B), Instr., Elec. Engrg., Purdue Univ., Lafayette, Ind.

BUT-CAL - 115 -

- BUTTERY, ROBERT N. (A'5B), Supvr., Reports Group, Chrysler Missile Div., 16 Mile & Van Dyke, Sterling Township, Mich.
- Township, Mich.
 BUTTNER, HAROLD H. (M'27-SM'43-F'44), Consultant, 17&T, 67 Broad St., New York 4, N.Y.; Wilmington Group, Inc., Wilmington 1, Del.; Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 BUTTOLPH, JAMES D. (S'48-A'51-M'5B), Staff Engr., Pleasantville, Instrument Corp., 270 Marble Ave., Pleasantville, N.Y.

BUTTON, CHARLES H. (M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.

POUR CHARLES H. (M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.
BUTTON, WALTER E. (M'57), Electronics Engr., Motorola, Inc., B330 Indiana Ave., Riverside, Calif.
BUTTS, CHARLES B. (A'55), Test Equipment Engr., Allison Division, GMC, Indianapolis 6, Ind.
BUTTS, JAMES H. (A'44), Chief Engr., TV Denver, Inc., KBTV, 10B9 Bannock, Denver, Colo.
BUTTS, LAYTON E. (S'4B-A'50-M'5B), Mem. Tech. Staff, Systems Labs. Corp., 14B52 Ventura Blvd., Sherman Oaks, Calif.

BUTTS, ROBERT S. (S'36-A'41-M'44), Chief Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church,

BUTTS, THEODORE M. (S'57-A'5B), 12705 Market St. Houston 15, Tex.

Rd., Houston 15, Tex.
BUTTSCHARDT, CLIFFORD C., JR. (S'52-M'55),
Design Engr., Raytheon Mfg. Co., Box 636, Goleta, Calif.
BUTZMAN, LESTER E., JR. (A'59), Sales Mgr., Elgin
Metalformers Corp., 630 Congdon Ave., Elgin, III.
BUUCK, WINFRIED P. (M'52), Test Engr., Genl Radio
Co., 22 Baker Ave., West Concord, Mass.
BUXBAUM, SIDNEY J. (A'55), Field Engr., Philco Corp.,
Philadelphia, Pa.

Philadelphia, Pa.
BUXTON, ALBERT C. (SM'56), Sect. Head, Dynamic
Systems Computation Lab., Goodyear Aircraft Corp.,
1210 Massillon Rd., Akron 15, Ohio.
BUXTON, CHARLES E. (S'55-M'59), 3034 Manley Dr.,
Lansing 10, Mich.

BUXTON, EDWARD T., JR. (A'54-M'59), Treasurer, Interference Testing & Research Lab., Inc., 150 Causeway, Boston, Mass.

BUXTON, ROBERT W. (A'53), Electronics Engr., Air Technical Intelligence Center, USAF, Wright-Patterson AFB, Ohio.

Ohio.

BUYER, EDWARD M. (A'51-SM'56), Principal Engr., W. L. Maxson Corp., 460 W. 34 St., New York 1B, N.Y.

BUYNAK, GEORGE R. (M'57), Sr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akmn 15, Ohio.

BUYS, WILLIAM L. (M'50), Civil Electro-Tech. Engr., Werkleider, Univ. of Ghert, Gherth, Belgium.

BUZARD, ROBERT S. (M'56), Electronics Project Engr., Chance-Vought Aircraft, Dallas, Tex.

Chance-Vought Aircraft, Dallas, Tex.
BUZBEE, JAMES M. (M'56), Dev. Engr., Collins Radio
Co., 1937 HiLine Dr., Dallas, Tex.
BUZBY, JOHN A. (S'51-A'53-M'58), Productlon Project
Engr., Genf., Devices, Inc., Box 253, Princeton, N.J.
BUZZANCA, VICTOR J. (M'58), Mathematical Technician
II, American Bosch Arma Corp., Carden City, L.I., N.Y.
BUZZARD, RDBERT D. (S'53-A'55), Staff Engr., Systen
Div., Bendix Aviation Corp., Plymouth Rd., Ann Arbor,
Mich.

BUZZELI, THOMAS S. (A'45), Precision Instrument Dev. Technician, Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.

BYAM, LYMAN A., JR. (M'53), Project Analysis Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

13, N.Y.

BYARS, WILLIAM F. (A'52-M'55), Engr., GE Co., Owensboro, Ky.

BYCER, BERNARD B. (A'54-SM'56), Sr. Engr., Data Processing, RCA, 6329 Trotter, Philadelphia 11, Pa.

BYCK, DONALD M. (S'55-M'56), Head, New Applications, Electronic Associates, Inc., Computation Center at Los Angeles, Calif., 1500 E. Imperial Hwy., El Segundo, Calif. BYER, DAVID L. (M'47), Electronics Engr., U. S. Army Signal Air Defense Engr., Agency, Ft. Meade, Md.

BYERLAY, HENRY L. (A'28-M'32-SM'43), Research Engr., Ames Research Center, NASA, Molfett Field, Calif.

Engr., Ames Research Certer, NASA, Moffett Field, Calif.
BYERLY, EARL H. (A'51), Group Engr., Martin Co., Orlando, Fla.
BYERLY, HAROLD W. (A'55-M'59), Jr. Engr., Bendix Aviation Coro., York, Pa.
BYERLY, HAROLD W. (A'55), Philos Site Engr., 663rd AC&W Sqdn., Lake City AFS, Tenn.
BYERS, ALAN C. (A'43-SM'53), Head, Electronics Branch, Elec. Engrg. Div., Franklin Institute Labs. for Research Dev., 20 St. & Franklin Pkwy., Philadelphia 3, Pa.
BYERS, ELELL G. (SM'53), Field Engr., Earl Lipscomb Associates, Box 6646, Houston 5, Tex.
BYERS, HUGH G. (M'52), Supur. of Police Communications, Chief Engr., Police Dept., Box 670, Wichita I, Kan.
BYERS, HUGH G. (M'47-SM'49), Chief Dev., Engr., Chandian Arsenals Instrument & Radar Div., Box 256, Postal Sta. "H," Toronto 13, Ont., Canada.
BYERS, JOHN N. (S'54-A'55), Elec. Engr., Emerson Research Labs., 1140 East-West Hwy., Silver Spring, Md.
BYERS, VERNON J. (A'44-M'45-SM'50), Principal, The Eastern Ontario Institute of Technology, 290 Slater St., Ottawa 4, Ont., Canada.
BYERS, WILLIAM F. (M'47), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.
BYINGTON, PRESTON W. (S'47-A'50-M'51-SM'55), Pres., Pacific Electro-Nuclear Corp., 9520 Jefferson Bird., Culver City, Calif.
BYINGTON, ROY E. (S'51-A'53-M'5B), Jr. Engr., Raytheon Mig. Co., Wayland, Mass.

BYINGTON, ROY E. (5'51-A'53-M'5B), Jr. Engr., Raytheon Mfg. Co., Wayland, Mass. BYLE, BARNEY J. (A'55), Quality Control Engr., IBM, Synacuse, N.Y.

BYMAN, EDWARD C. (M'56), Div. Mgr., IBM, Kingston,

BYRD, DAVID J. P. (M'55-SM'5B), Mgr., Systems Engrg., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.

64, Calif.

BYRD, ERICE W. (S'4B-A'50-M'55), Electronics Engr.,
U. S. Govt., Wright-Patterson AFB, Ohio.

BYRD, HAROLD F. (A'30), Engr.-In-Chg., U. S. Army Satellite Tracking Sta., Forrest City, Ark.

BYRD, RICHARD E. (S'49-A'50), Mem. Tech. Staff,
Hughes Aircraft Co., Box 11557 Emery Fark Sta.,
Tucson, Ariz.

BYRN, ROBERT L. (S'57-M'5B), Electronics Engr., RCA Service Co., Patrick AFB, Fla.

BYRNE CHARLES J. (S'57-M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

BYRNE, DENNIS A. (A'54), Sr. Field Engr., Litton Industries, Inc., 336 N. Foothill Blvd., Beverly Hills, Calif.

Calif.

BYRNE, EDWARD R. (S'53-A'54-M'57), Mem. Tech. Staff, Bell Tel Labs., Whippany, N.J.

BYRNE, FRANCIS (A'5B), Research Engr., Aeronautical Instrument, Army Ballistic Missile Agency, Titusville, Fla.

BYRNE, GEORGE C. (M'56-SM'5B), Advanced Dev. Engr., Sylvania Elec. Prods., Inc., Reconnaissance Systems Lab., Box 1BB, Mountain View, Calif.

BYRNE, JOHN J. (SM'45-F'50), Mgr., Research Lab., Motorola, Inc., B330 Indiana Ave., Riverside, Calif.

BYRNE, JOHN J. (A'59), Electronics Production Supr., Temple Univ. Hospital & Medical School, 3400 N. Broad St., Philadelphia, Pa.

BYRNE, JOHN P. (S'54-A'55), Engr., Sperry Gyroscope

St., Philadelphia, Pa.

BYRNE, JOHN P. (S'54-A'55), Engr., Sperry Gyroscope
Co., Great Neck, L.I., N.Y.

BYRNE, PAUL F. (A'30-VA'39-M'55-SM'57), Consulting Engr., 27B Park Lane, Atherton, Calif.

BYRNE, ROBERT D. (M'5B), Physicist, Rome Air Development Center, Griffiss AFB, N.Y.

BYRNE, ROBERT M. (S'47-A'49-M'52), Engr., Industry
Service Bureaus, 53 Park Pl., New York 7, N, Y.

BYRNE, WALTER C., JR. (A'52-M'56), Sales Mgr.,
Microwave, Motorola, Inc., 1400 N. Cicero Ave., Chicago,
III.

BYRNE, WILLIAM J. (S'53-M'56), Project Engr., Automation Instruments, Inc., Industrial Park, Boulder, Colo.
BYRNES, FRANCIS X. (M'45), Physicist, USN Electronics
Lab., San Diego 52, Calif.
BYRNES, IRVING F. (A'23-M'39-SM'43-F'54), Mgr.,
Radiomarine Engrg., RCA, 75 Varick St., New York 13,
N.Y.

N.Y.
BYRNES, PAUL J. (M'59), Assoc. Engr., Lockheed Missile Systems Div., Sunnyvale, Calif.
BYRNES, WILLIAM P. (M'53), Project Engr., 225 Parkview Rd., Glenview, III.
BYRNS, ROBERT E. (S'57-M'5B), Elec. Engr., GE
Co., Syracuse, N.Y.
BYROD, RICHARD B. (M'54), Group Engr., Martin Co.,
Baltimore 3, Md.
BYROD, MRIVILLE (1/40-A/41), Pros. Chief Engr.

Baltimore 3, Md.

BYRON, MELVILLE (J'40-A'41), Pres., Chief Engr., Precise Development Corp., 2 Neil Ct., Oceanside, L.I., N.Y.

L.I., N.Y.

PYRUM, EDWARD J. (SM'5B), Mfg. & Design Engr., RCA,
Tube Div., Harrison, N.J.

BYSTROM, ALBIN, JR. (A'51), Research Engr., Boeing Airplane Co., Box 3707, Seattle 24, Wash.
BYSTRYCKY, WSEWOLOD (S'54-M'57), Systems Engr.,
Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N.J.

CABALLERO, CARLOS A. (A'47-M'55), Commercial Mor., Cia De Ingenieros en Communicaciones Electricas, S. A. Tamaulipas 235, Mexico 11, D.F., Mexico.

CABALLERO, JULIAN, JR. (M'59), Consulting Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church,

Essex, England.

CADEK, JOHN (5'49-A'50-M'55), Electronics Engr., RCA, 75 Varick St., New York, N.Y.

CADENA, DAVID G. (4'53-M'54), Electronics Technician, Southwest Research Institute, B500 Culebra Rd., San Antonio, Tex.

CADIEUX, JOHN P. (5'58-M'59), Flying Officer, 2(F) Wing, RCAF, CAPO 5052, Canadian Armed Forces, Europe.

CADMAN, ALVIN O. (5'49-A'51-M'57), Design Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

CADRA. VLADIMBR J. (5'54-M'56), Engr. BCA

CADRA, VLADIMIR J. (S'54-M'56), Engr., RCA,

CADRA, VLADINR J. (3-34-M-30), Eigi., NoA, Somerville, N.J.

CADRAN, LAWRENCE R. (S'5B-M'59), Design Engr., Raytheon Mg. Co., Andover, Mass.

CADWELL, EVERETT B., JR (S'49-A'51-M'56), Design Engr., GE oo., Syracuse, N.Y.

CADY, CHARLES A. (475-M'41-SM'43), Engr., Genl Radio Co., 22 Baker Ave., West Concord, Mass.

CADY, ROBERT T. (S'46-A'49-M'55), Sr. Engr., Sperry Gyroscone Co., Lake Success, L.1., N.Y.

CADY, WALTER G. (A'14-F'27XL), Consultant, 3350 Calvert Rd., Pasadena B, Calif.

CADY, WILLIAM R. (SM'59), Supvr., Advance Process Engrg., GE Co., Syracuse, N.Y.

CAFARELLI, NICHOLAS J., JR. (M'56), Sr. Field Engr., Stavid Engrg., Inc., U. S. Hwy. 22, Plainfield, N.J.

CAFARO, JOHN A. (M'57), Myr., Reliability & Data Pro-

Stavid Engrg., Inc., U. S. Hwy. 22, Plainfield, N.J. CAFARO, JOHN A. (M'57), Mgr., Reliability & Data Pro-cessing, RCA Service Co., Camden B, N.J.

CAFFERATA, HAROLD (A'40-M'44), Engr., Marconi's Wireless Telegraph Co., Ltd., New St., Chelmsford, Essex, England.

CAFFEY, THURLOW, W. H. (S'56-M'58), 2nd Lt., U. S Army, Commanding Officer, 3Bth Ord. Det. (ED), Ft. Ste-CAFFIAUX, JEAN A. (S'47-M'54-SM'57), Staff Engr., Electronic Industries Association, 11 W. 42 St., New York 36, N.Y.

CAFFREY, JAMES V., JR. (S'49-A'51-M'56), Telephone Engr., U.S. Army Signal Corps, Ft. Leaverworth, Kan. CAFFREY, TERENCE P. (A'54), Design & Dev. Engr., GE Co., Syraouse, N.Y.

CAGE, JOHN M. (M'41-SM'43), Engrg. Div. Mgr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto,

Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

CAGLE, DUWARD S. (A'50-M'5B), Accelerator Operations Supvr., Univ. of California Radiation Lab., Berkeley, Calif.

CAGLE, WILLIAM B. (S'53-A'54), Mem. Tech. Staff, Bell Tel., Labs., 465 West St., New York 14, N.Y.

CAGLIA, ANTHONY J. (S'49-A'51), Provisioning Engr., Hughes Aircraft Co., Culver City, Calif.

CAGLIUSO, GEORGE G. (S'55-M'5B), 124 Gov. Winthrop Rd., Somerville 43, Mass.

CAGNEY, TERENCE A. (M'5B), Sales Engr., Candian Aviation Electronics, J.td., 6214 Cote de Liesse Rd., Montreal, P.Q., Canada.

CAGNEY, WILLIAM M. (A'55), Sales, Genl. Mobile Communications Co., 46 Irene Ct., Closter, N.J.

CAHALAN, IRVING W. (S'57-M'59), Design Engr., Hazeltine Electronics Corp., Little Neck 62, L.1., N.Y.

CAHAN, LESLIE C. (M'45), Pres., Beltone Recording Corp., 4 W. 31 St., New York 1, N.Y.

CAHAN, PAUL J. (M'57), Military Lialson Engr., Kaiser Aircraft & Electronics, 1625 Eye St., Washinston 6, D.C.

CAHILL, F. CLARK (S'3B-A'40-SM'45), Asst. Dir., Research & Engr., Div., Airborne Instrument Lab., Mineola, L.1., N.Y.

CAHILL, RICHARD M. (S'50-A'51-M'56), Field Engr., RCA, Newark. N.J.

CAHILL, RICHARD M. (S'50-A'51-M'56), Field Engr., RCA, Newark, N.J.

CAHILL, RICHARD M. (S'50-A'51-M'56), Field Engr., RCA, Newark, N.J.
CAHILL, THOMAS C. (S'53-A'55), Antenna Engr., Pickard & Burns, 240 Highlands Ave., Needham, Mass.
CAHILL, WILLIAM J. (A'29-VA'39-M'55), Sr. Engr., Boeing Airplane Co., Patrick AFB, Fla.
CAHN, BERNARD L. (M'54), Pres., Bernard L. Cahn Co., 420 Market St., San Francisco 11, Calif.
CAHN, CHARLES R. (S'51-A'52-M'57), Mem. Tech. Staff, Ramo-Wooldridge Box 45444, Airport Sta., Los Angeles 45, Calif.
CAHN, IOSED M. (SIGS ALTERING STAR)

Calif.

CAHN, JOSEPH M. (S'52-A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

CAHN, LEE (S'48-A'49-M'50-SM'55), Pres., Cahn Instrument Co., 14511 Paramount Blvd., Paramount, Calif. CAHN, LEONARD (A'54-M'54), Electronics Scientist, Natl. Bureau of Standards, Washington 25, D.C.

CAHN, PETER R. G. (M'57), Systems Supvr., Engrg., Canadian Marconi Co., 2442 Trenton Ave., Town of Mt. Royal, P.Q., Canada.

CAHN, RUTH H. (A'50-M'55), Electronics Scientist, Natl. Bureau of Standards, Washington, D.C.

CAHOON, ROY D. (A'35-SM'47-1'56), Praire Regional Engr., Canadian Broadcasting Corp., 541 Portage Ave., Winnipeg, Man., Canada.

CAICOYA, JOSE I. (S'55-M'56), Consultant Engr.,

Winnipeg, Man., Canada.
CAICOYA, JOSE I. (\$'55-M'56), Consultant Engr.,
Brazilian Covt., Home: Rua Saint Roman 399, Copabana,
Rio de Janeiro, D.F., Brazil.
CAIN, DON C. (\$'53-M'57), Engr., IBM, Monterey &
Cottle Rd., San Jose, Calif.
CAIN, ELMER L. (\$'49-A'52-M'5B), Sr. Engr., Norair
Div., Northrop, Inc., Hawthorne, Calif.
CAIN, GUY H., JR. (A'51-M'55), Engra. Project Administrator, Norair Div., Northrop Corp., Hawthorne,
Calif.
CAIN, IAMES C. (A'59), Consultant Medican Medican

ministrator, Norair Div., Northrop Corp., Hawthorne, Calif.
Calif., JAMES C. (A'59), Consultant, Medicine, Mayo Clinic, Rochester, Minn.
CAIN, JERRY A. (A'52-M'58), Field Engr., Neely Enterprises, 3939 Lankershim Blvd., North Hollywood, Calif. CAIN, MARVIN F. (S'56-M'57), Co' Lutheran Theological Seminary, Gettysburg, Pa.
CAIN, RALPH J. (S'55-M'57), 1st Lt., Electronics Engr., Dept., Defense, Natl. Security Agency, Ft. Meade, Md.
CAIN, ROBERT E. (M'57), Project Engr., Temco Aircraft Corp., Box 1056, Greenville, Tex.
CAIN, ROGER F. (M'56), Engr., Magnavox Co., Bueter Rd., Ft. Wayne 4, Ind.
CAIRNES, WILLIAM E. (A'41-SM'46), Pres., Genl. Mgr., Radio Cores, Inc., 9540 Tully Ave., Oak Lawn, Ill.
CAIRNS, FRANK V. (S'49-A'51-M'56), Assoc. Research Officer, Natl. Research Council of Canada, Sussex St., Ottawa, Ort., Canada.
CAIRNS, HUGH E. (A'54), Design Engr., Arthur D. Little, Inc., 35 Acomy Park, Cambridge 40, Mass.
CAKE, ARTHUR F. (A'57), Engr., Tung-Sol Electric, Inc., 545 N. Arlington, East Orange, N.J.
CALABRESE, ANGELO (S'53-A'55), Electronics Scientist, Acoustics, Naval Material Lab., New York Naval Shipyard,

CALABRESE, ANGELO (S'53-A'55), Electronics Scientist, Acoustics, Naval Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

Brooklyn 1, N.Y.

CALABRESE, JOSEPH F. (S'50-A'52-M'57), Cmdr., USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.

CALABRO, ANTHONY D. (M'59) Tech. Writer "A", Missile Div., Chrysler Corn., Detroit 31, Mich.

CALABRO, JAMES E. (S'57-M'5B), Applications Engr., Delico Radio Div., 700 E. Fimin St., Kokomo, Ind.

CALAFATI, SALVATOR S., JR. (M'46-SM'56), Consultant, Clover Lane, R.D. 2, Dover, N.J.

CALAHAN, DONALD A. (S'55-M'57), 6915 Windward Ave., Cincinnati 27, Ohio.

Cincinnati 27, Ohio.
CALDERHEAD, HENRY J. (M'52), Engr., Bird Electronic Corp., 1800 E. 3B St., Cleveland, Ohio.

Corp., 1800 E. 3B St., Cleveland, Ohio.

CALDERONE, MICHAELANGELO L. (5'56-M'57), Research & Design Engr., Avion Div., ACF Industries, Inc., 11 Park Pl., Paramus, N.J.

CALDES, WILLIAM E. (SM'54), Div. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.

CALDICOTT, JACK K. (5'57-M'59), Elec. Engr., Sylvania Elec. Prods., Inc., 189 B St., Needham 94, Mass.

CALDINE, HAROLD G. (M'5B), Electronics Scientist, Rome Air Development Center, Griffiss AFB, N.Y.

CALDWELL, ALEXANDER (A'55-M'55), Supt., Canadian Natl. Telegraphs, Box 265, Edmonton, Alta., Canada.

CALDWELL, CLARENCE M. (SM'52), Sr. Staff Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring 15, Md.

CALDWELL, DAVID J. (M'52-SM'55), V.P. & Treas.,

Spring 15, Md.

CAL DWELL, DAVID J. (M'52-SM'55), V.P. & Treas.,
Bihins & Calriwell, Inc., 1923 N. Main, High Point, N.C.

CALDWELL, EDWARD E. (S'41-A'44-M'50), Sr. Engr.,
Martin Co., Baltimore 3, Md.

CALDWELL, HAROLD R. (S'54-M'56), Standards Engr.,
Receiving Tubes, RCA, Camden B, N.J.

CALDWELL, HOWARD S. (A'56), Radio TV Technician,
Jefferson Standard Broadcasting Co., WBT-WBTV, 1
Jefferson Pl., Charlotte, N.C.

- CALDWELL, JAMES L., JR. (S'55-M'57), Communications Officer, USAF, Box 363, Port O'Connor, Tex. CALDWELL, JAY F. (S'57-M'59), Assoc. Engr., Avco Mfg. Corp., Crosley Div., 1329 ArlIngton St., CIncinnati 25, Ohio.
- Com., Crosley Div., 1329 Arlington St., Cincinnali 25, Ohio.
 CALDWELL, JOSEPH, JR. (SM'56), Exec. Engr., Cook Research Labs., 6401 Oakton Blvd., Monton Grove, III. CALDWELL, JOSEPH J., JR. (A'40-SM'45), Sr. Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. CALDWELL, KEN M. (M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 CALDWELL, LEWIS W., JR. (S'43-A'48-M'5B), Asst. Mgr., Caldwell Knittling Co., Ltd., 110 Garden Crescent, Calgary, Alta., Canada.
 CALDWELL, HILIP G. (A'41-SM'4B), Sr. Staff Engr., Space Technology Labs., Los Angeles 45, Calif. CALDWELL, RALPH R. (S'51-A'53-M'5B), Research Engr., Boeing Airblane Co., Seattle, Wash.
 CALDWELL, ROBERT J. (SM'52), Consulting Engr., Peakham Rd. at Rte. 20, South Sudbury, Mass.
 CALDWELL, ROBERT P. (S'52-A'54-M'59), Sr. Engr., Govt. & Industrial Div., Philto Corp., 4700 Wissahickon Ave., Philadelphia 31, Pa.
 CALDWELL, WALLACE C. (SM'54), Mgr., Semiconductor Prods., Bendix Aviation Corp., Long Branch, N.J.
 CALDWELL, WALLACE C. (SM'54), Mgr., Semiconductor Prods., Bendix Aviation Corp., Long Branch, N.J.
 CALDWELL, WALTER H. (A'53-SM'56), Pressional Engr., Walter Hollis Caldwell, 7900 Old York Rd., Elkins Part 17, Pa.
 CALDWELL, WYCHE D. (A'51-M'56), Pres., Anadex Instruments, Inc., 14832 Otseos St., Sherman Daks. Calif

CALDWELL, WYCHE D. (A'51-M'56), Pres., Anadex Instruments, Inc., 14B32 Otsego St., Sherman Oaks, Calif. CALENDA, VINCENZO (M'56), Electronics Engr., Diretoria De Rotas Aereas-Contraf, Aeroporto Santos Dumont, Rio de Janeiro, Brazil.

CALFEE, RICHARD W. (S'54-M'57), Asst. Radar Project Officer, Marine Corps Equipment Board, MCLFDC, MCS, Quantico, Va.

CALHAN, CHARLES L. (M'57), Dev. Engr., Sperry Gymoscope Co., 294 Commercial, Sunnyvale, Calif. CALHOON, CHARLES D., SR. (M'56), Engr., Westinghouse Elec. Corp., Box 746 Baltimore 3, Md.

CALHOON, THOMAS G. (S'4B-A'50-M'55), Physicist, The Johns Hopkins Univ., Silver Spring, Md. CALHOUN, JAMES D. (M'5B), Electronics Engr., Com-munications Engrg. Air Defence Systems Branch, Brookley AFB, Ala.

AFD, Mai.
CALHOUN, MURRAY C. (A'53-M'59), Engr., Wisconsin Telephone Co., 740 N. Broadway, Milwaukee 2, Wis.
CALHOUN, RICHARD P. (A'56), Mfrs. Rep., Scott & Steffen, Inc., 1836 Euclid Ave., Cleveland 15, Ohio.
CALHOUN, SHERWDOD H. (A'55), Electronics Engr., Bell Aircraft Corp., Buffaio 5, N.Y.

Allerard Corp., Burlaio S., N.Y.
CALIENDO, PHILIP J. (\$'156-M'57), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
CALIGIURI, HUGO J. (\$'49-M'56), Electronics Project Engr., CBS Labs., 227 High Ridge Rd., Stamford, Conn.
CALIGIURI, JDSEPH F. (\$'49-A'52-M'57), Engrg. Sect. Head, Marine Div., Sperry Gyroscope Co., Syosset, L.I., N.Y.

CALINGAERT, PETER (A'55-M'56), Asst. Prof., Applied Mathematics, Harvard Univ. Computation Lab., Cambridge 3B, Mass.

CALKINS, DWIGHT F. (S'55-M'57), Sr. Test Engr., Hamilton Standard, Broad Brook, Conn. CALKINS, GERALD T. (S'56-M'57), Design Engr., IBM, Owego, N.Y.

CALKINS, GERALD T. (S'56-M'57), Design Engr., IBM, Owego, N.Y.
CALKINS, WALLACE R. (M'57), Design Engr., Aerojet Genl. Corp., 410 N. Citrus Ave., Covina, Calif.
CALL, GEORGE R. (A'46), Atty. & Pres., Call Bond & Morgage Co., 400 6 St., Sioux City 1, Iowa.
CALL, PAUL D. (M'57), Asst. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
CALL, STANLEY S. (A'46), Service Engr., Call's Television, 94 Kensington St., Feeding Hills, Mass.
CALL, STANLEY W. (A'56-M'59), Rep., Nortronics Div., Nortron Corp., 349 W. 1st, Dayton 2, Ohio.
CALL, UDEAN R. (M'5B), Design Engr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif.
CALLADINE, GERALD T. (S'50-A'51-M'56), Engr., Bendix Aviation Corp., Box 5115, Detroit 35, Mich.
CALLAGHAN, EDWARD P. (S'52-A'53), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.
CALLAGHAN, JOHN W. (A'50-M'55), V.P., Engrg. Design, Inc. & Sherman Industrial Electronics Co., Inc., 10B N. Gill St., State College, Pa.
CALLAHAN, ALBERT H. (S'57-A'57-M'5B), Project Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
CALLAHAN, ALFRED L. (M'55), Foreign Service, Volce of America, U. S. Information Agency, IBS/ED, Washington 25, C.
CALLAHAN, BERNARD E. (S'48-A'49-M'55). Staff Engr.

CALLAHAN, BERNARD E. (S'4B-A'49-M'55), Staff Engr., Cook Research Lab., 6401 Oakton St., Morton Grove,

III.
CALLAHAN, EDWARD C. (SM'57), Commanding Officer & Dir., U. S. Naval Training Device Center, 105 Middle Neck Rd., Port Washington L.I., N.Y.
CALLAHAN, JAMES F. (M'5B), Prod. Planning, Remington Rand Univac, St. Paul 16, Minn.
CALLAHAN, JOHN F. (S'51-A'52-M'57), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
CALLAHAN, JOHN G. P. (SM'55), Chief, Engrg. Services Div., Wright Air Development Center, Wright-Patterson AFB, Ohio.

CALLAHAN, JOHN L. (A'21-M'31-SM'43-F'53), Re-search Administrator, RCA Labs., Rocky Point, L.I.,

CALLAHAN, JOHN P. (S'49-A'50-M'55), Engr., EDO Corp., 13-10 111 St., College Point 56 L.I., N.Y. CALLAHAN, ROBERT J. (S'50-A'52-M'57), Elec. Engr., Mitre Corp., Lexington, Mass.
CALLAIS, RICHARD T. (M'4B), Chief Engr., The Austin Co., Special Devices Div., 76 9 Ave., New York 11, N.Y.

N.Y.
CALLAN, JOSEPH M. (A'48-M'55), Chief Engr., Magnetic Analysis Corp., 42-44 12 St., Long Island City, N.Y.
CALLAN, ROBERT W. (S'49-A'50-SM'5B), Engr., The Rand Corn., 1700 Main St., Santa Monica, Calif.
CALLANAN, WILLIAM F. (S'56-M'57), Engr., ITT Labs., Nutley 10, N.J.
CALLAWAY, HELEN D. (M'56), Physicist, Natl. Bureau of Standards, Washington 25, D.C.

CALLELY, JAMES A., JR. (S'52-A'55), Production Engr., CBS-Hytron, 100 Endicott St., Danvers, Mass.
CALLEN, MAX W. (S'47-A'50-M'5B), Asst. Project Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.

Minneapolis 13, Minn.

CALLENDER, EDWIN M. (M*56), Elec. Engr., The Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.

CALLIGARI, SERGIO (A*58), Designer, Olivetti, via del Parlemento 33, Borgolombardo, Milano, Italy.

CALLIHAN, EDWARD S. (M*57), Electronics Engr., FAA, Aeronautical Center, Box 1082, Oklahoma City, Okla.

CALLINAN, THOMAS D. (SM*57), Research Scientist, IBM, Yorktown Heights, N.Y.

CALLOT, SHERMAN (A'55), Sr. Dynamics Engr., Convair, Pomona, Calif.

Pomona, Calif.
CALNON, DONALD C., JR. (A'46-M'55), Dev. Engr.,
Tektronix, Inc., Box B31, Portland 7, Ore.
CALOBRISI, PAT A. (A'4B), Field Engr., Motorola Inc.,
4545 Augusta Blvd., Chicago, Jll.
CALOGERO, GUSEPPE A. (A'5B), Dev. Engr., C. Olivetti
& Co., Via Parlamento 33, Borgolombardo, Milano, Italy.
CALOHAN, WILLAHM C. (S'57-M'5B), Tech, Writer,
Melpar, Inc., 3000 Arinston Blvd., Falls Church, Va.
CALON, ARNOLD E. (A'54), Engr.-in-Chg., Production &
Dev. of Microwave Comp., Philips S.A., 50 Ave.
Montaigne, Paris B, France.

Dev. of Microwave Comp., Philips S.A., 50 Ave.
Mortalipre, Paris B, France.
CALVERT, CHARLES C. (4/53), Genl. Mgr., Pacific Industrial Electronics, 20 Brady St., San Francisco 3, Calif.
CALVERT, JOHN F. (SM'49), Prof. & Chmn., Elec. Engrg.
Dept., Univ. of Pittsburgh, Pittsburgh, 13, Pa.
CALVERT, RALPH B. (M'56), Prod. Engr., Sylvania Elec.
Prods., Inc., Brookville, Pa.
CALVERT, ROBERT D. (S'57-M'59), Engr., Brown Engrg.
CO., Inc., Huntsville, Ala.
CALVERT, ROBERT D. (S'57-M'59), Engr., Schlumberger
Well Surveying Corn., Ridgefield, Conn.
CALVIN, CLARENCE C., JR. (A'55), Supvr. Analog Computations, Chance-Vought Aircraft, Box 5907, Dallas, Tex.
CALZARETTA, RICHARD G. (S'5B-M'59), Engr., Federal
Electric Corp., Industrial Park, Paramus, N.J.
LAMACHO, HERNANDO L. (M'5B), Lt., Colombian Navy,
Calle 25 No. 18-94 Mamga, Cartagena, Colombia.
CAMANN, ROBERT F. (A'59), Jr. Engr., Scatter Communications, Inc., Elmo Ave., Bethesda 14, Md.
CAMBRE, CARLOS A. (A'5B), Olazabal 5255, Buenos
Aires, Agrentina.
CAMBRIDGE, CHARLES G. (SM'47), Mgr., Dev. Planning,
General Instrument Corp., 240 Michal, Astr., Paranning,

CAMBRIDGE, CHARLES G. (SM'47), Mgr., Dev. Planning, General Instrument Corp., 240 Wythe Ave., Brooklyn 11,

CAMDEN, KING E. (S'55-A'56), Partner & Chief Service Engr., Northeast Television Clinic, 3602 St. John, Kansas City 23, Mo.

City 23, Mo.

CAMELI, DOMINIC M. (S'53-A'54), Elec. Engr., X-Ray
Dept., GE Co., 4B55 Electric Ave., Milwaukee 14, Wis.

CAMER, HARVEY J. (S'56-A'5B), Design & Dev., Radio
Receptor Co., Inc., 241 Wythe Ave., Brooklyn 36, N.Y.

CAMERATTA, PHILIP J. (S'57-M'5B), Test & Dev. Engr.,
Missile Operations, Chrysler Corn., Detroit 31, Mich.

CAMERON, BURNETT G. (M'59), Project Engr., Aviation
Electric, Ltd., 200 Laurentian Bivd., St. Laurent, P. Q.,
Canada.

Can

Tonig-301 Electric, Inc., 200 Biochinicia Ave., Biochinfield, N.J.

CAMERZELL, PAUL L. (M'56), Design Engr., Douglas Aircraft Co., Box 312, Sacramento, Calif.

CAMILLERI, CHARLES M. (S'57-A'5B), 19-17 23

Ter., Long Island City 5, N.Y.

CAMILLO, CHARLES (A'50-SM'55), Engr., Mgr., Amphenol Cable & Wire Div., Amphenol-Borg Electronics Corp., 6235 S. Harlem Ave., Chicago 3B, III.

CAMMACK, ARTHUR R. (A'57), Engr., Technician, Texas Instruments, Inc., Houston, Tex.

CAMMACK, H. FRANK (M'54), Design & Dev. Engr., Grines Mgr. Co., 515 N. Russell St., Urbana, Ohio.

CAMMARATA, JOSEPH (A'53), Engr., Reminoton Rand Univac, 315 4 Ave., New York 10, N.Y.

CAMMEN, MATTHEW M. (M'53), Engr., in-Chg., Air Cooled Compressors, Ingersoll-Rand Co., Painted Post, N.Y.

N.Y.

CAMMER, H. RUSSELL (M'53), Genl. Mgr., & Partner, Specialty Engrg. & Electronics Co., 79 (Clifton Pl., Brooklyn 3B, N.Y.; Pres., & Genl. Mgr., Western Counties Telephone Co., Inc., Marathon, Corfu., Spencer, Van-Etten, Darien, N.Y.; 9 E. 40 St., New York, N.Y.

CAMMER, MDSES (M'51), Genl Mgr., Specialty Engrg. & Electronics Co., 79 Clifton Pl., Brooklyn 3B, N.Y.

CAMP, HAROLD E. (S'SB-M'59), Asst. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

CAMP, LEON W. (SM'5B), Consultant, Engrg., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

CAMP, ROGER C. (S'56-M'5B), Instr., Iowa State College, Elec, Engrg. Bldg., Ames, Iowa.

CAMP, SERGEI N. (S'43-A'45-M'55), Pres., AVA Construction Corp., 1413 Terrace Blvd., New Hyde Park,
L.I., N.Y.

L.I., N.Y.

CAMP, WILLIAM W. (S'50-A'52-M'56), Staff Mem.,
Lincoln Lab., MIT, Lexington 73, Mass.

CAMPAGNA, JOSEPH H. (M'51-SM'56), Chief Dev. Lab.
III, Diamond Ordnance Fuze Lab., Washington 25, D.C.

CAMPANA, CHARLES R. (A'56), Pres., Spectranome Plating Co., Inc., 330 W. 13 St., New York 14, N.Y.

CAMPANALE, ANTHONY J. (A'52-M'57), Elec. Engr.,
Norden Lab. Corp., 121 Westmoreland Ave., White Plains,
N.Y.

CAMPANARO, PETER L. (S'55-A'56), 310 27 St. Union City, N.J.

CAMPANELLA, ANGELO J. (M'57), Sr. Physicist, Haller, Raymond & Brown, Inc., State College, Pa.
CAMPANELLA, MATT J. (S'4B-A'51-M'56), Engrg. Supvr., RCA Defense Electronics Div., Moorestown, N.J.
CAMPANELLA, S. JOSEPH (A'52-M'57), Staff Asst. to Chief Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
CAMPANI, LOUIS M. (A'53-M'5B), Elec. Engr., The Liquidometer Corp., 36 St. & Skillman Ave., Long Island City J., N.Y.
CAMPAS, WILLIAM (M'5B), Elec. Engr., Westigebours Elec.

CAMPANI, LOUIS M. (A'53-M'58), Elec. Engr., The Liquidometer Corp., 36 St. & Skillman Ave., Long Island City J., N.Y.

CAMPAS, WILLIAM (M'5B), Elec. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

CAMPBELL, ALAN T. (A'46-M'52), Sr. Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthome, Calif.

CAMPBELL, ALLEN F. (S'52-A'53), Sr. Electronic Design Engr., Convair, San Diego, Calif.

CAMPBELL, ARCHIBALD F. (M'56), Sr. Engr., Standard Telephones & Cables (Canada), Ltd., 9600 Blvd. St. Laurent, Montreal, P. Q., Canada.

CAMPBELL, BERNI K. (A'43), Tech. Dir., Audio Supvr., KTTV, 5746 Sunset Blvd., Hollywood, Calif.

CAMPBELL, BERNI K. (A'43), Tech. Dir., Audio Supvr., KTTV, 5746 Sunset Blvd., Hollywood, Calif.

CAMPBELL, CHARUCE D. (M'57), Sr. Microwave Engr., Raytheon Mfg. Co., Maynard, Mass.

CAMPBELL, C. HAROLD (A'23-M'44), Field Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

CAMPBELL, CARL C. (A'5B), Resident Engr., RCA Service Co., Patrick AFB, Fla.

CAMPBELL, CARL C. (A'5B), Resident Engr., RCA Service Co., Syracuse, N.Y.

CAMPBELL, COLIN A. (A'42-M'49), Pres., Colin Campbell Co., Westville Ave. Ext., Danbury, Conn.

CAMPBELL, COLIN K. (M'56), 5 St. Gregory's, St. Andrews, Fife, Scotland.

CAMPBELL, COLIN K. (M'56), Sr. Research Engr., Convair-Astronautics, San Diego, Calif.

CAMPBELL, COLIN K. (M'55), Sr. Research Engr., Convair-Astronautics, San Diego, Calif.

CAMPBELL, DANIEL B. (A'46-M'55), Elec. Engr., U.S. Army Dist., Clock Tower Bidg., Rock Island, Ill.

CAMPBELL, DANIEL B. (A'46-M'55), Feet Engr., Cellin Cambell, Own Member Bidg., Rock Island, Ill.

CAMPBELL, DANIEL B. (A'46-M'55), Feet Engr., Cellin Cambell, Own Member Air St., Michiel Camber Convord, Mass.

CAMPBELL, DANIEL B. (A'5B), Test Engr., Computer Systems, Autonetics Div., No. Amer. Aviation, Downey, Calif.

CAMPBELL, DANIEL B. (A'5B), Feet Engr., Kellogg Switchboard & Supply Co., 5959 S. Harlem Ave., Cricago, Ill.

CAMPBELL, DONALD J. (A'55), Elec. Engr., The Baldwin Piano Co., 1801 Gilbert, Cincinnati 6, Ohio.

CAMPBELL, DONALD J. (A'55), Elec. Engr., The Baldwin Piano Co., 1801 Gilbert, Cincinnati 6, Ohio.

CAMPBELL, DONALD L. (A'53), Communications-Electronics Staff Officer, Airways & Air Communications Service, USAF, Scott AFB, III.

CAMPBELL, DONALD R. (M'57), Engr., ITT Labs., Nutley 10, N.J.

CAMPBELL, DUDLEY E. (SM'53), Project Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

Canif.

CAMPBELL, EDWARD A. (A'49), Mgr., Better Light Better Sight Bureau, 750 3rd Ave., New York 17, N.Y.

CAMPBELL, EDWARD J. (A'45), Mgr., Missile Engrg. Dept., Allen B. DuMont Labs., Inc., 11B00 W. Olympic Blvd., Los Angeles 64, Calif.

CAMPBELL EDWARD D. 10 (A'5A) Electronics Engr

CAMPBELL, EDWARD R., JR. (A'54), Electronics Engr., RCA, Camden, N.J.
CAMPBELL, FLOYD L. (SM'57), Sr. Elec. Engr., Research & Dev., Hoffman Labs., 3717 S. Hill St., Los Angeles 7, Calif.

Angeles /, Callf.

CAMPBELL, FRED D. (S'54-M'57), Electronics Engr.,
Motorola, Inc., Riverside, Callf.

CAMPBELL, GEORGE M. (A'57), Electronics Lab. Techniclan, Hogan Labs., Inc., 155 Perry St., New York, N.Y.

CAMPBELL, GORDON R. (S'52-A'53), Asst. Chief, Electronics Engrg. Sect., 3rd Coast Guard District, U.S. Custom House, New York 4, N.Y.

CAMPBELL, GRAHAM (M'57), Sr. Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif. CAMPBELL, HARRY G. (4/46), Assoc. Engr., Epic Service Co., B11 N. Prairie Ave., Hawthorne, Calif., CAMPBELL, HIEL S. (S'56-M'5B), 325 Jackson St., St. Paul 1, Minn.

Paul J., Minn.

CAMPBELL, HUGH L., III (S'54-M'57), Prod. Engr., Tung-Sol Electric Co., Main St., Weatherly, Pa.; Bus. Partner, Hazel Electronics Co., Hazel Village, Hazeldon, Pa. CAMPBELL, J. ALLAN (S'36-A'37-SM'45), Engr., Mir., Northern Electric Co., Ltd., Box 6123, Montreal, P.Q., Canada.

Canada.

CAMPBELL JAMES F. (A'57), Radio Tech., Manitoba Telephone Systems, 297 Sherbrook St., Winnipeg 2, Man., Canada.

CAMPBELL JAMES P. (SM'57), Project Engr., Genl. Precision Lab., Inc., Pleasantville, N.Y.

CAMPBELL JAMES R. (A'47-M'55), Staff Asst., Chance-Vought Aircraft, Inc., Dallas, Tex.

CAMPBELL JAMES R. (S'46-A'51-M'56), Engr., Texas Instruments, Inc., 3609 Buffalo Speedway, Houston 6, Tex.

CAMPBELL, JAMES R. (S'46-A'51-M'56), N.Y.

CAMPBELL, JAMES R. (S'46-A'51-M'56), Engr., Texas Instruments, Inc., 3609 Buffalo Speedway, Houston 6, Tex.

CAMPBELL, JOHN A. (A'42), 165 1st St., Yonkers 4, N.Y.

N.Y.
CAMPBELL, JOHN B. (S'55-M'57), Weapons Systems Engr.,
GE Co., Ithaca, N.Y.
CAMPBELL, JOHN D., JR. (A'54), Design Engr., GE
Co., 316 E. 9 St., Owensboro, Ky.
CAMPBELL, JOHN H. (M'4B), Tech. Leader, Engrg. Sect.,
Ge Co., Cleveland I.2, Ohio.
CAMPBELL, JOHN H. (S'57-M'5B), Jr. Elec. Design Engr.,
Spruce Falls Power & Paper Co., Kapuskasing, Ont.,
Canada.

CAMPBELL, JOHN K. (A'44), Mgr., Govt. Sales, Philoc Com., 4700 Wissahickon Ave., Philadelphia 44, Pa. CAMPBELL, JOHNIE S. (A'31-M'44), Transmitter Supwr., WSM (AM, Rte. 5, Franklin, Tenn. CAMPBELL, JOSEPH S. (A'55), Rep., Packard Bell Electronics, 1000 Connecticut Ave., N.W., Washington 6, D.C.

CAMPBELL, L. LORNE (M'56), Asst. Prof., Mathematics, Essex College, Assumption Univ. of Windsor, Windsor, Ont., Canada.

CAMPBELL, LEWIS J. (M'5B), Field Engr., Raytheon Mfg. Co., Waltham 54, Mass.

- CAMPBELL, LOWELL E. (A'51-M'56), Research Engr., U.S. Dept. of Agriculture, Agricultural Research Center, Beltsville, Md.
- Beltsville, Md.
 CAMPBELL, LDWELL G. (S'55-M'56), Engr., McDonnell Alrorat: Co., Lambert Field, St. Louis, Mo.
 CAMPBELL, MARK E. (M'44-SM'52), Tech. Staff, Belf Tel. Labs., Murray Hill, N.J.
 CAMPBELL, R. EDWARD (A'36-VA'39-M'55), Chief, Instrumentation & Evaluation Div., Signal Communications Dept., U.S. Army Electronic Proving Ground, Ft. Huachies. Ariz
- Huachuca, Ariz. CAMPBELL, RICHARD A. (S'50-A'51-SM'56), Mgr., Engrg. Dept., Semiconductors, Inc., 10451 W. Jeffer-son, Culver City, Calif.
- CAMPBELL, RICHARD D. (A'34-SM'46-F'51), Point-to-Point Radio Engr., AT&T Co., 195 Broadway, New York 7, N.Y.

- 7, N.Y.

 CAMPBELL, RICHARD D. (S'57-M'59), Components Design Engr., GE Co., Cincinnati 15, Dhio.

 CAMPBELL, RICHARD H. (A'37), Pres., Superior-Racine, Inc., 1006 State St., Racine, Wis.

 CAMPBELL, RICHARD H., JR. (S'47-A'50-M'55), Engr., Kinsman Mfg. Co., Inc., 90 Mill St., Laconia, N.H.

 CAMPBELL, RICHARD M., (S'57-A'50-M'55), Engr., Kinsman Mfg. Co., Inc., 90 Mill St., Laconia, N.H.

 CAMPBELL, RICHARD M. (S'54-M'5B), Research Assoc., The Ohio State Univ., 2024 Neil Ave., Columbus 10, Ohio.

 CAMPBELL, RICHARD M. (S'51-M'55), Sr. Systems Research Engr., Electronics Div., Ryan Aeronautical Co., Search Engr., Electronics Div., Ryan Aeronautical Co., CAMPBELL, ROBERT G. (S'56-A'58), Organ Service Dept., CAMPBELL, ROBERT G. (S'56-A'58), Organ Service Dept.,
- CAMPBELL, ROBERT G. (S'56-A'58), Organ Service Dept., Boston, Mass. The Baldwin Piano Co., 1801 Gilbert Ave., Cincinnati, Ohio.

- Boston, Mass. The Baldwin Piano Co., 1801 Gilbert Ave., Cannelland, Ohio.

 CampBell, RDBERT N. (A'52-M'57), Design Evaluation Supvr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis, Minn.

 CAMPBELL, ROBERT R. (A'55), Electronic Engr., Westinghouse Elec. Corp., Baltimore, Md.

 CAMPBELL, ROBERT T. (S'55-M'57), Electronics Engr., Raytheon Mfg. Co., Mayand, Mass.

 CAMPBELL, S. STEVE (A'53-M'58), Engr., Boeing Airplane Co., Seattle, Wash.

 CAMPBELL, SCOTT V. (S'51-A'53-M'56), 6517 Williston Dr., Falls Church, Va.

 CAMPBELL, STEPHEN (M'56), Mem. Tech. Staff Hughes Aircraft Co., Culver City, Calif.

 CAMPBELL, STEPHEN (M'56), Radio Technician, Dept. of Transport, Edmonton, Alta., Canada.

 CAMPBELL, THEODORE E. (A'51), Chief Engr., WJAC, Inc., 329 Main St., Johnstown, Pa.

 CAMPBELL, THOMAS A. (A'54), Principal Engr., Republic Aviation Co., Mineola, L.I., N.Y.

 CAMPBELL, VICTOR H. (A'36-M'44-SM'47), Asst. Chief Engr., Radio Tube Div., Sylvania Elec. Prods., Inc., Emporium, Pa.

 CAMPBELL, VON C. (S'41-M'45-SM'51), Consulting Engr., Cathode Ray Tube Dept., GE Co., Syracuse, N.Y.
- Emporium, Pa.

 CAMPBELL, VON C. (S'41-M'45-SM'51), Consulting Engr.,
 Cathode Ray Tube Dept., GE Co., Syracuse, N.Y.

 CAMPBELL, WALLACE E. (M'57), Assoc. Engr., Sperny
 Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.

 CAMPBELL, WALTER H. (M'31-SM'43), Retired,
 481B N. 25 St., Livingston Hgts., Arlington, Va.

 CAMPBELL, WILLIAM D. (S'51-A'52-M'56), Dir., ReIiability & Standards, Electro Instruments, Inc., 3794
 Rosecrans, San Diego, Calif.
- CAMPBELL, WILLIAM J. (M'55), 2314 Sunset Ave., Utica, N.Y.
- Utica, N.Y.
 CAMPBELL, WILLIAM O. (M'55), Design Engr. 1, Martin Co., Baltimore 3, Md.
 CAMPBELL, WILLIS S. (M'56), Supvr., Electronics Scientist, Davis Taylor Model Basin, Washington 7, D.C.
 CAMPILLO, WILLIAM., (S'55-M'56), 621 E. 76 Pl.,
 Los Angeles 1, Calif.
- CAMPION, HAROLD H. (M'5B), Engr., Martin Co., Orlando,
- Fla.

 CAMPION, ROBERT M., JR. (A'5B), Partner, Campion Sales
 CAMPION, SAL F. (S'52-A'54), Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.
 CAMPISANO, FRANKJ, (M'55), Mfrs. Rep., Frank J.
 Campisano, 5446 Green Acres Ct., Cincinnati 11, Ohio.
 CAMPLING, CHARLES H. R. (S'44-A'4B-M'55), Assoc.
 Prof., Elec. Engra., Queen's Univ., Kingston, Ont.,
 CAMPOPIANO, CARMEN N. (M'56), Engr., RCA, Camden,
 N.J.
- CAMPORA, MARIO T. (S'50-A'52-M'57), Sr. Elec. Engr., Southern California Edison Co., 601 W. 5 St., Los Angeles 53, Calif.
- CAMPOS, LEO F. (M'58), Partner, Stone & Campos, Consulting Engrs., 3234 Fritchie Dr., Baton Rouge, La. CAMPS, TED F. (S'56-M'5B), Design Engr. 1, Crosley Div., Avco Mfg. Co., 1329 Arlington St., Cincinnati, Ohio. CAMPTON, EUGENE J. (SM'5B), 61301 Cooney St., Ft.
- CAMRAS, MARVIN (S'41-A'42-SM'4B-F'52), Sr. Physicist, Armour Research Foundation, Technology Center, Chicago 16,
- III.
 CAMUS, GEORGE E. (S'56-M'57), Engr.-on-Rotation, Florida Power & Light Co., Box 3311, Miami, Fla.
 CANADEO, GERARD N. (A'56), Tech Rep., Madigan Corp., 526 Mineola Ave., Carle Place, L.I., N.Y.
 CANAL, ALBERT P. (S'58-M'59), Electronics Engr., Natl., Security Agency, Washington 25, D.C.
 CANAVACIOL, FRANK E. (A'25-M'29-SM'43), Prof., Elec. Engr., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn I, N.Y.

- CANAVAN, JOHN J. (M'47), Engr., Stavid Engry. Inc., U.S. Hwy, 22. Plainfield, N.J. CANAVAN, THOMAS P. (S'47-A'49-M'55), Engr., RCA, Camden 2, N.J.
- CANCELLARI, NICHOLAS J. (M'52), Training Officer, Maint., Dept. of the Army, Tobyhanna Signal Depot., Tobyhanna, Pa.
- CANCEMI, JOSEPH S. (A'5B), 1237 E. 89 St., Brooklyn
- 36, N.Ý.
 CANCIO, PETER (A'55), Field Engr., Sylvania Elec. Prods.,
 Inc., Box 205, Mountain View, Calif.
 CANCRO, CIRO A. (A'48-M'55), Supvy. Electronics Engr.,
 Naval Ordnance Lab., White Oak, Silver Spring, Md.
 CANDELL, GEORGE W. (M'57), Electronics Engr., Rheem
 Mfg. Co., 31 & Oxford Sts., Philadelphia, Pa.

- CANDELL, RALPH L. (S'50-M'56), Chief Elec. Engr., Electronic Signal Co., Inc., 139-05 Archer Ave., Jamaica 35, L.1., N.Y.
 CANDIDD, JAMES V. (SM'54), Sr. Engr., Natl. Scientific Labs., 2010 Massachusetts Ave., N.W., Washington, D.C.

- D.C.
 CANDIELLD, VINCENT S. (M'57), Box 133, San Jose
 Branch, Bisbee, Ariz.
 CANE, MARID P. (A'57), Engrg. Personnel Supvr., Pacific
 Telephone, Co., 740 S. Dlive St., Los Angeles, Calif.
 CANE, PHILIP (M'57), Chmn. of Dept., Wm. E. Grady
 Vocational High School, 25 Brighton 4 St., Brooklyn 35,
- N.Y.

 CANELL, GEORGE P. (A'56), Project Engr., Industrial
 Radio Corp., 462 N. Parkside, Chicago 44, Ill.
 CANEPA, MICHELE (4'54), Dir., Research, Olivetti Corp.
 of America, 10 Pine St., New Canaan, Conn.
 CANESE, OSCAR R. (A'55), Radio Sect., Chief Engr.,
 Compania Nacional de Telefonos del Peru, Apartado 2600,
- Lima, Peru.

 CANFIELD, EUGENE B. (S'46-A'47-M'57), Control Systems Engr., Missile & Drdnance Systems Dept., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 CANFIELD, LYLE D. (S'56-M'58), Elec. Engr. B, Research, Lockheed Aircraft Corp., Burbank, Calif.
- CANFIELD, ROBERT E. (S'53-A'54), Engr., Collins Radio Co., Cedar Rapids, Iowa.
- Co., Cedar Rapids, Iowa.
 CANFDRA, ARTHUR E. (A:49-M'55), Sr. Engr., RCA, 75
 Varick St., New York 13, N.Y.
 CANN, ALFRED J. (M'5B), Project Engr., Sanders Associates, 95 Canal St., Nashua, N.H.
 CANN, JULIN D. (S'57-A'59), Oak St., R.D. 2, Norwell,
- Mass.
 CANN, ROBERT W. (S'57-M'5B), Support Equipment Engr.,
 Sperry Gyroscope Co., 294 Commercial St., Sunnyvate,
 Calif.
- Sperry Lyroscope v.G., 254 Collimerator, Samuro, Calif.

 CANNIFF, CHARLES J. (S'52-A'53), Sales Engr., Westinghouse Elec. Corp., 40 Wall St., New York 5, N.Y.

 CANNING, DONALD C. (A'56), Component Engr. Bendix Aviation Corp., Kansas City, Mo.

 CANNING, JAMES H. (M'47-SM'51), Supvg. Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 CANNING, RICHARD G. (A'49-M'50), Pres., Canning, Sisson & Associates, Inc., 1140 S. Robertson, Los Angeles 35, Calif.

 CANNING, THOMAS B. (A'55), Engr., A.R.F. Prods., Inc., 7627 Lake, River Forest, III.

 CANNICARD, MATTHEW (A'45-M'55), Elec. Engr., Sperry-Rand Corp., South Norwalk, Conn.

 CANNON, C. DONALD (S'54-M'55), Instr. Elec. Engr.,

- CANNON, JAMES H. (M155). Genl. Mor., Cannon, Lectured Connon, Landon, James A. (Landon, James A. (Land

- Conn.,
 CANNON, JAMES H. (M'55), Geni. Mgr., Caunon Electric
 Co., Pinoree & Leavitt Sts., Salem, Mass.
 CANNON, JOHN B., JR. (A'52-M'57), Sr. Engr., Haller,
 Raymond & Brown, Inc., State College, Pa.
 CANNON, JOHN W. (S'55-A'57), Systems Engr., Daystrom
 Systems Div., 5640 La Jolla Blvd., La Jolla, Calif.
 CANNON, RALPH E., JR. (M'46), Electronics Engr., A. D.
 Ring & Associates, 425 13 St., Nw., Washington, D.C.
 CANNON, ROBERT A. (M'57), Electronics Engr., Nuclear
 Prods., Erco Div., ACF Industries, Riverdale, Md.
 CANNON, ROBERT C. (A'55-M'58), Project Engr., Printed
 Circuits, Burroughs Corp., 14300 Tireman Ave., Detroit
 28, Mich.
- CANNON, ROBERT S., JR. (S'57-M'59), Design Engr., ElectroMechanical Research, Inc., Sarasota, Fla. CANNON, RUSSELL A. (S'56-M'59), 382 Lowell Dr., Santa Clara, Calif.
- CANNON, THEODORE W. (S'54-M'57), 16D3 Alder St., La Grande, Ore.
- La Grande, Ore. CANNON, WALTON W. (S'49-A'52-M'57), Prof., Elec. Engrg., Univ. of Arkansas, Fayetleville, Ark. CANNON, WILLIAM P. (M'5B), Electronics Instr., FAA, Aeronautical Center, Oklahoma City, Okla.

- Aeronautical Lenter, Joklanoma City, Okia.

 CANNOY, MITCHELL K. (M*5B), Jr. Asst. Engr., Collins
 Radio Co.. Cedar Rapids, Iowa.

 CANO, JOHN R. (A*57), Process Research Engr., Photocircuits Corp., 31 Sea Cliff Ave., Glen Cove, L.I., N.Y.

 CANOIC, KEITH D. (S'56-M*5B), Asst., Elec. Engr.,
 Dept. of Water & Power, 357 S. Hill St., Los Angeles,
 Calif.
- Calif.

 Calif.

 CANOVA, GEORGE M. (S'57-M'59), Electronics Engr., Burroughs Comp., 460 Sierra Madre Villa, Pasadena, Calif.

 CANSICK, NATHAN V. C. (A'39), Sr. Staff Engr., Amalgamated Wireless (Australasia), Ltd., 552 Parramatta Rd., Ashfield, N.S.W., Australia.

 CANTAFIO, LEOPOLD J. (A'53), Missile & Surface Radar Systems Engr., RCA, Moorestown, N.J..

 CANTARELLA, VINCENT J. (A'58), Equipment Engr., Western Electric Co., 99 Church St., New York, N.Y.

 CANTER, EDWIN L., JR. (S'56-M'59), Instrument Engr., Gulf Rescarch & Development Co., Box 203B, Pittsburgh, Pa.

 CANTLON, CARMAN F. (M'52-SM'57), Supvr., Quality

- CANTLON, CARMAN F. (M'52-SM'57), Supvr., Quality Control Tube Div., Canadian Westinghouse Co., Aberdee Ave., Hamilton, Ont., Canada.
- Ave., Hamilton, Ont., Canada.

 CANTONI, CHARLES W. (S'56-M'5B), 1730 Patio Dr.,
 San Jose 25, Calif.

 CANTOR, JAY M. (S'54-M'56), Dept. of Commerce, Div.
 42, U.S. Patent Office, 14 & D Sts., N.W., Washington
 25, D.C.
- 25, D.C.
 CANTRELL, EDDIE R. (S'56-M-57), Electronics Engr.,
 Army Ballistic Missile Agency. Redstone Arsenal, Ala.
 CANTRELL, MAHLON E. (M'56), Field Engr., Western
 Electric Co.. Winston-Salem, N.C.
 CANTRELL, WILLIAM E. (M'53), Engrg. Specialist, ChanceVought Aircraft Co.. Dallas. Tex.
 CANTWELL, ROBERT J. (S'48-A'52-M'57), Dev. Engr.,
 IBM, Owego, N.Y.

- CANTY, BLAINE R, (M'57), Project Engr., Cathode Ray Design Engrg., Westinghouse Elec. Corp., Box 2B4, Elmira, N.Y.

- N.Y.

 CANTY, EUGENE T. (S'45-A'49-M'55), Sr. Project Engr., ITT Labs., Nutley 10, N.J.

 CANTY, WILLIAM J. (A'54), Assoc. Dept. Head, Mitre Corn. Wood St. Lexination 73, Mass.

 CANUP, ROBERT E. (M'53-SM'5B), Sr. Engr., Schlumberger Well Surveying Corp., Box 2175, Houston, Tex.

 CANUTE, ALBIN J. (S'56-A'56), Staff Asst., Electronics, Sandia Corp., Sandia Base, Albuquerque, N.M.

 CAP, STEVEN T. (S'51-A'52-M'57), Sr. Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

 CAPARN, CHARLES C. (A'49-M'54), Chief Field Engr., Electronic Associates, Inc., Long Branch, N.J.
- CAPASSO, GEORGE F. (A'54-M'59), Assoc. Engr., IBM,
- Kingston, N.Y.

 CAPASSD, LDUIS V. (M'56), Dev. Engr., Farrand Dptical
 Co.. 4401 Bronx Blvd., New York 70, N.Y.

 CAPEHART, MELVIN E. (M'57), Instr., Applied Mathematics, Colorado Univ., 1100 14 St., Denver, Colo.

 CAPEK, STANLEY J. (S'50-A'51-M'56), Electronics
 Engr., Burroughs Corp., 511 N. Broad St., Philadelphia
 23, Pa.
- CAPELLI, MARINO P. (M¹4B), Sr. Engr., Standard Telephones & Cables, Ltd., Dakleigh Rd., New Southgate, London, England.
- CAPELLUPO, FRANK V. (A'51-M'56), Sr. Design Engr., Ford Instrument Co., 31-10 Thomson, Long Island City 1, N.Y.
- CAPEN, EDWARD B. (S'4B-A'50-M'55), Leader, Tech. Staff, RCA Missile Electronics & Control Dept., Burling-

- LAPEM, EUWAKU B. 15'4B-A'SU-M'SDJ, Leader, Tech. Staff, RCA Missile Electronics & Control Dept., BurlingLun, Musia.

 CAPEM, CEORGE A. (A'44-M'55), Engr., Magnavox Co.,
 Bueter Rd., Ft. Wayne 4, Ind.

 CAPEM, CEORGE A. (A'44-M'55), Engr., Magnavox Co.,
 Bueter Rd., Ft. Wayne 4, Ind.

 CAPEM, Branch C. (A'40-SM'51), Assoc. Lab. Dir.,
 ITT Labs., Nittley 10, N.J.

 CAPERS, JOHN L. (A'55), Co-owner, J. & J. TV Service,
 6217 Edloe, Houston 5, Tex.

 CAPES, BRUCE U. (S'57-A'5B), Project Engr., Heath Co.,
 305 Territorial Rd., Benton Harbor, Mich.

 CAPLAN, DAVID (S'57-M'5B), Dept. Elec. Engrg., MIT,
 Cambridge 39, Mass.

 CAPOTE, LUCIANO C. (S'55-M'5B), Service Engr., Texas
 Instruments, Inc., 3619 Buffalo Speedway, Houston, Tex.
 CAPLAN, DAVID I. (A'53-M'57), Leader, Engrg. Systems
 Projects, RCA, Camden. N.J.
 CAPLAN, NORMAN (K'51), V.P.-Secy., Cameradio Co.,
 1121 Penn Ave.. Pittsburgh 22, Pa.
 CAPLAN, NORMAN (K'51), V.P.-Secy., Cameradio Co.,
 1121 Penn Ave.. Pittsburgh 22, Pa.
 CAPLAN, NORMAN (K'51), V.P.-Secy., Cameradio Co.,
 1121 Penn Ave.. Pittsburgh 22, Pa.
 CAPLAN, NORMAN (S'49-A'51-M'56), Mem. Tech. Staff,
 G. C. Dewcy & Co., 202 E. 44 St., New York, N.Y.
 CAPLAN, REUBEN S. (A'35-SM'47), Communications
 Engr., Gulf Refining Co., Box 2100, Houston 1, Tex.
 CAPOBIANCO, ALFRED A. (M'57), F. Elec. Engr., Sylvania Elec. Prods., Inc., Woburn, Mass,
 CAPOBIANCO, ALFRED A. (M'57), F. Elec. Engr., Sylvania Elec. Prods., Inc., Woburn, Mass,
 CAPOBANNO, R. T. (M'45-SM'50), V.P., Engrg., Herold
 Radio & Electronics Corp., 716 S. Columbus Ave., Mt.
 Vernon, N.Y.
 CAPON, JACK (S'54-M'56), Instr., Columbia Univ., 632
 W. 125 St., New York, N.Y.

- Vernon, N.Y.

 CAPON, JACK (S'54-M'56), Instr., Columbia Univ., 632 W. 125 St., New York, N.Y.

 CAPORALE, PETER (A'28-SM'50), Chief, Systems Equipment Div., FAA, Washington 25, D.C.

 CAPORALETII, GINO A. (S'49-A'50-M'55), Relay Testing Supvr., San Diego Gas & Electric Co., B61 6 Ave., San Diego 1, Calif.

- Dlego I, Calif.

 CAPPADONA, WILLIAM L. (S'57-M'5B), Elec. Engr., Airborne Instrument Lab., Mineola, L.J., N.Y.

 CAPPELS, JACK L. (A'52-M'52-SM'54), Field Engr., Gulton Industries, Metuchen, N.J.

 CAPPON, ARTHUR M. (S'55-M'57), Elec. Engr., Motorola, Inc., B201 W. McDowell Rd., Scottsdale, Ariz.

 CAPPS, JASON W. (S'49-A'52-M'57), Sect. Head, Instrumentation Dept., Aeronutronic Systems, Inc., 1234

 Air Way, Glendale, Calif.

 CAPPS, ROBERT G. (S'56-M'5B), Field Engr., Federal
- CAPPS, ROBERT G. (S'56-M'5B), Field Engr., Federal Electric Corp., Rte. 17 & Garden State Pkwy., Paramus,
- N.J.
 CAPPUCINI, FRANCO (A'57), Prof.-in-Chg., Radio
 Engrg., Univ. of Padova, Italy.
 CAPRANICA, ROBERT R. (S'56-M'5B), Mem. Tech. Staff,
 Bell Tel. Labs., Murray HIII, N.J.
 CAPRAROLA, LERCY J. (A'53-M'59), Engr., RCA,
 Harrison, N.J.
- Harrison, N.J. CAPRON, ROBERT W. (M'49), AA Engr., RCA, Moorestown,
- N.J. CAPRONI, GRANT A. (A'44), Design Engr., Boeing Air-craft Co., Box 3925, Seattle 24, Wash. CAPUTO, JOSEPH G. (S'55-M'58), Test Engr., Ford In-strument Co., 31-10 Thomson Ave., Long Island City 1,
- CAPUTO, NICHOLAS J. (A'27-VA'39), Engr., New York Tejephone Co., BB-09 164 St., Jamaica 32, L.I., N.Y. CAPUTO, SAMUEL A. (A'55), Sales Mgr., Industrial Div., Morris Distributing Co., 1153 W. Fayette St., Syracuse, N.Y.
- N.Y. CAPUTO, WILLIAM R. (S'54-M'56), Dev. Engr., Westinghouse Elec. Corp., 150 Pacific Ave., Jersey City 5,

- N.J.
 CAQUELIN, MELVIN W. (A'49-M'55-SM'5B), Engrg.
 Group Ilead, Collins Radio Co., Cedar Rapids, Iowa.
 CARACENI, JOSEPH S. (S'55-M'57), Elec. Engr., Grumman
 Alroraft Engrg. Corp., Bethpage, L.I., N.Y.
 CARAPELLOTTI, LAWRENCE T. (A'47-SM'54), Project
 Leader, RCA, Moorestown, N.J.
 CARAS, BERNARD (A'54), Project Dir., Radiation Research
 Corp., 1114 1st Ave., New York 21, N.Y.
 CARASSA, FRANCESCO (A'54), Mgr., Central Radio Lab.,
 Fabrica Italiana Magneti Marelli, Casella Postale 45, Sesto
 S., Giovanni & Teacher of Radiotechnique, Politechnic of
 Milan, Italy.
- Milan . Italy .

 CARAWAY , JOHN B. (SM'55), V.P., Electronics-Research, Inc., Evansville , Ind.

 CARAZO , G. LUIS E. (A'55), Asst. Mgr., Rocke Internati .

 Corp., Central American Hgrs., Box 300 , San Jose , Costa Rica.
- CARBALLAL, JOSE L. (A'59), Design Engr., Howel Argentina, C.C., 107 Central, Buenos Aires, Argentina.

- CARBERRY, JAMES F. (A'54), Group Engr., Convair-
- CARBINE, IVAN L. (A'55), Elec. Engr., Physical Science Lab., University Park, N.M.
- CARBONE, ANTHONY J. (M'5B), Contract Administrator, Kollsman Instruments Corp., 80-08 45 Ave., Elmhurst, L.I. N.Y
- L.I., N.Y.

 CARBONNEAU , VICTOR J. (S'48-A'50-M'55), Project
 Engr., Clarostat Mfg. Co., Inc., Washington St., Dover,
 N.H.
- N.H.

 CARBREY, ROBERT L. (M'45), Research Engr., Bell Tel.

 Labs., Murray Hill, N.J.

 CARD, ARTHUR A. (S'54-M'55), Elec. Engr., Electronic

 Defense Lab., Sylvania Elec. Prods., Inc., Box 205,

 Mountain View, Calif.

- MOUNTAIN VIEW, CAITY.

 CARD, CHARLES D. (S'56-M'59), Instr. & Asst., NAL, Univ. of Arizona, Tucson 25, Ariz.

 CARD, DOUGLAS R. (S'56-M'59), Engr., Philico Corp., 3875 Fabian Way, Pato Alto, Calif.

 CARD, JOHN B. (S'56-M'58), Engr., Sperry Utah Engrg.

 Lab., Salt Lake City, Utah.
- Lab., Salt Lake City, Utah,
 CARD, MERVIN L. (SM'5B), Defence Production Officer,
 Dept. of Defence Production, Ottawa, Ont., Canada,
 CARD, W. HOWARD (M'5B), Instr., Elec. Engrg., Syracuse
 Univ., Syracuse, N.Y.
 CARDELLA, ORLANDO (S'41-A'44-M'55), Control & Com-
- wunications Design Engr., Quebec Hydro-Electric Commission, 107 Craig St., W. Montreal, P.Q., Canada.

 CARDEN, MERLE W., JR. (S'49-A'51-M'56), Dev. Engr., Motorola Research Lab., 3012 N. 56 St., Phoenix, Ariz., CARDEN, PETER O'N. (A'56), Australian Natl, Univ., School of Physical Sciences, Box 4, GPQ, Canberra, Australian St.
- AUSURIIIA.

 CARDIFF, DONALD L. (M'59), Sales Engr., Kearfott Co., Inc., 253 N. Vinedo Ave., Pasadena, Calif.

 CARDILLO, ANTHONY (S'51-A'52-M'57), Electronics Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 CARDIS, RENE M. (M'59), Engro, Technician, Electronic Materials Internati., Ltd., 342 Gladstone, Ottawa, Ont., Canada.
- Candoa, JULES (SM'55), Mgr., Weapons Sub-Systems Contracts, Servo Corp. of America, 20-20 Jericho Tpke., New Hyde Park, L.I., N.Y.

 CARDOZO, DANIEL J. (S'54-A'55), Electronics Engr., USN Underwater Ordnance Sta., Newport, R.I.

 CARDUNER, WILLIAM (A'33-VA'39), Exec. V.P., British Industries Corp., BO Shore Rd., Port Washington, L.I., N.Y.

- N.Y.
 CARDWELL, BENNETT B., JR. (A'52-M'57), Elec. Engr., Babcock & Wilcox Co., 1201 Kemper St., Lynchburg, Va.
 CARDWELL, HERMAN A. (M'58), Instr., Texas Technological College, Lubbock, Tex.,
 CARE, WILBUR G. (A'55), Electronics Technician, Douglas Aircraft Co., Tulsa, Okla.
 CARETTO, HOWARD L. (S'49-A'50-M'58), Supt., Automatic Fire Alarm Co., 120 W. 42 St., New York 36, N.Y.

- N.Y.
 CAREW, S. J. H. (A'44-M'4B), Mgr., Engrg., Consumer
 Goods Div., Philips Electronics Industries, Ltd., 116
 Vanderhoof Ave., Leaside, Toronto 17, Ont., Canada.
 CAREY, CHARLES P. (SMI59), Service Engr., AT&T Co.,
 13B E. Court St., Cincinnati 2, Ohio.
- CAREY, DON R. (A'5B), Process Control Chemist, Lone Star Cement Corp., 905 First Natl. Bank Bldg., Dallas,
- CAREY, DONALD E. (M'57), Asst. Engr., Ordnance Re-search Lab., University Park, Pa. CAREY, EDWARD D. (A'54), Sr. Engr., ITT Labs., Nutley 10, N.J.
- Nutley 10, N.J.
 CAREY, GERALD D. (S'54-M'56), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 CAREY, GORMAN R. (M'57), Project Engr., RCA, Camden 2, N.J.
 CAREY, J. GRANT (A'3B-SM'50), Transmitter Supvr., Jefferson Standard Broadcasting Co., 1 Jefferson PI., Charlotte, N.C.

- Charlotte, N.C.

 CAREY, JAMES J. (M'55), Chief Engr., Dinion Coll Co., Inc., East St., Caledonia, N.Y.

 CAREY, JOHN S. (S'57-A'59), Tech. Writer, CBS-Hytron, 100 Endicott St., Danvers, Mass.

 CAREY, PETER M. (M'59), Equipment Engr., Northern Electric Co., Sidney St., Belleville, Ont., Canada.
- CAREY, REECE M. (M'52), Pres. & Chief Engr., Carey Electronic Engrg. Co., 1880 Clifton Ave., Springfield, Ohio.
- Obio.
 CAREY, WILLIAM., JR. (M'56), Systems Engr., Datamatic Corp., Newton 61, Mass.
 CARFAGNO, SAMUEL J. (S'56-M'58), 4760 Kester Ave., Sherman Oaks, Calif.
- CARGILL, SAMUEL E. (S'53-A'54), Electronics Technician, Research Dept., Lockheed Aircraft Corp., Van Nuys, Calif.
- Nuys, Calif.

 CARHOUN, DEAN O. (S'56-M'59), Electronics Engr., Vitro Labs., 200 Pleasant Vailey Way, West Orange, N.J.

 CARIDES, THEODORE (S'55-M'56), Engr., ITT Labs., Nutley 10, N.J.

 CARIGNAN, ROBERT J. (S'50-A'52-M'56), Electronics Engr., "A", RCA, Camden, N.J.

 CARINO, ROBERT A. (S'58-M'58), Lab. Technician, Cook Technological Center, 6401 W. Oakton, Morton Grove, III.

- Grove, III.

 CARL, HARDY D. (A'57), Chief Engr., WBRC, Inc., Atop Red Mountain, Birmingham 9, Ala.

 CARL, ROBERT J. (M'56), Mem. Tech., Staff, Ramo-Wooldride Corp., 5500 El Segundo Blvd... Hawthorne, Calif. CARL, WILLIAM J. (M'54), Mgr., Military Sales, Gonset Cor., BO1 S. Main St., Burbank, Calif.

 CARL, WILLIAM L. (M'54), Design Engr., GE Co., E. 9 St., Owensboro, Ky.

 CARLAN, ALAN J. (M'57), Fellow, Mellon Institute, 4400 5 Ave., Pittsburgh 13, Pa.

 CARLAN, LEWIS B. (A'46-M'51), Prof., Science & Engrg., New York Institute of Technology, 500 Pacific St., Brooklyn 17, N. Y.

- CARLAND, JAMES F. (SM'59), Mgr., Mktg., Semiconductor Div., Texas Instruments, Inc., Box 312, Dallas, Tex.
- CARLAT, BENEDICT (A'45-M'49-SM'51), Design Engr., Tung-Sol Electric, Inc., 545 N. Arltngton Ave., East Orange, N.J.

- CARLEBACH, WALTER M. (A'35-VA'39), 47 E. 64 St., New York 21, N. Y. New York 21, N.Y.
 CARLETON, EDWARD O. (S'49-A'51), EDPM-CE, IBM.
- CARLETON, GENE W. (S'56-M'59), 815 Goldood Dr., Dallas 32, Tex.
- Dallas 32, Tex,
 CARLETON, HENRY (A'51-M'56), Electronics Engr.,
 Diamond Ordnance Fuze Lab., Washington 25, D.C.
 CARLETON, LEO K. (M'58), Engr., New York Telephone
 Co., 158 State St., Albany, N.Y.
 CARLEY, RICHARD R. (A'53-M'58), Systems Analyst,
 Avro Aircraft, Malton, Ont., Canada.
 CARLEY, WILLIAM S. (S'42-M'45-SM'52), Asst. Dir.,
 Emerson Research Lab., 1140 East-West Hwy., Silver
 Spring, Md.

- CARLILE, ROBERT N. (A'55), Elec. Engr., Hughes Aircraft Co., Culver City, Calif.
- craft Co., Culver City, Calif.
 CARLIN, BENSON (A'44-M'55), Exec. V.P., Circo
 Ultrasonics Corp., 51 Terminal Ave., Clark, N.J.
 CARLIN, HERBERT J. (M'47-SM'50-F'56), Research
 Prof. & Assoc. Dir., Microwave Research Institute,
 Polytechnic Institute of Brooklyn, 55 Johnson St., Brooklyn
- CARLIN, JAMES H. (S'54-M'55), Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
- No. Amer. Aviation, Downey, Calif.
 CARLIN, PALMER W. (S'49-A'50-M'5B), Research Assoc.,
 Stanford Univ., Radio Propagation Labs., Stanford, Calif.
 CARLISLE, DAVID M. (S'56-M'5B), College Apprentice,
 Metropolitan-Vickers Electrical Co., Ltd., Manchester 17,
- England.

 CARLISLE, FRANCIS L. (M'5B), Head, Electro Mech. Engro. Div., Naval Ordnance Test Sta., China Lake, Calif.

 CARLISLE, HORACE C., JR. (A'47), Radio Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 CARLISLE, RICHARD W. (SM'4B), Staff Engr., University Loudspeakers, Inc., White Plains, N.Y.

 CARLISLE, SAMUEL F., JR. (A'4B-M'55), Mgr., Commercial Engrg., Sondone Copp., Elmsford, N.Y.

 CARLSEN, ROBERT A. (A'5b), Research Asst., Engrg., Research Institute, Ann Arbor, Mich.

 CARLSON, A. RODERIKC (M'55), Electronics Engr..

- Research Institute, Ann Arbor, Mich.
 CARLSON, A. RODERICK (M¹55), Electronics Engr.,
 Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 CARLSON, ARTHURL. (S¹56-M¹58), Engr., Nevada Air
 Prods. Co., North Valley Rd., Reno, Nev.
 CARLSON, ARTHUR W. (A¹53), Project Engr., Transistor
 Applications, Inc., 50 Broad St., Boston 9, Mass.
 CARLSON, ARVID W. (M¹56), Assoc. Prof., Elec. Engrg.,
 Milwaukee School of Engrg., 1025 N. Milwaukee St.,
 Milwaukee 1, Wis.

- Milwaukee 1, Wis.

 CARLSON, BERTIE L., JR. (S'57-M'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.

 CARLSON, BERTIL V. (A'46), Project Mgr., Precision Technology, Inc., 66 S. "P" St., Livermore, Calif.

 CARLSON, CARL O. (S'50-A'51-M'56), Project Engr., Research, Natl. Cash Repister, 1401 E. El Segundo Blvd., Hawthome, Calif.

 CARLSON, CARL V. (A'56), Electronics Technician, Dept. of Natl. Defense, RCAF Sta., Lincoln Park, Calgary, Alta., Canada.

 CARLSON, CLARENCE G. (S'41-A440) SUISCO. D.
- CARLSON, CLARENCE G. (S'41-A'49-SM'50), Project Mgr., Hughes Aircraft Co., Culver City, Calif.
 CARLSON, DALE V. (S'49-A'51-M'56), Project Mgr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.
- CARLSON, DARRELL N. (M'57), Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. CARLSON, DAVID E. (S'57-A'57), Instr., Electronics, Defense Training Board, RCAF Sta., Clinton, Ont.,
- CARLSON, DAVID E. (M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
- Labs., Murray Hill, N.J.
 CARLSON, DAVIDJ. (5'49-A'50-M'55-SM'59), Advanced
 Dev. Engr., RCA, Camden B, N.J.
 CARLSON, DONALD A, (A'53), Staff Engr., Cook Electric
 Co., 2700 Southport Ave., Chicago 14, III.
 CARLSON, E. FRED (S'56-M'5B), 714 State St., New
 Haven 11, Conn.
- CARLSON, EDMOND W. (M'57), Chief, Electronics Mfr., Convair, San Diego 12, Calif. CARLSON, EDWIN C. (4/55), Electronics Analyst, Installa-tion Div., Mutual of New York, 1740 Broadway, New York 19, N.Y.
- CARLSON, EINAR C. (A'39), Sect. Head, Spec. Lab., Delco Radio Div., GMC, Home Ave., Kokomo, Ind. CARLSON, ELMER V. (J'39-A'40-SM'57), Sr. Dev. Engr., Industrial Research Prods., Inc., 9400 Belmont Ave., Franklin Park, Ill. CARLSON, ERIC G. (M'56), Plant Engr., Transmission, Bell Tel. Co. of Pennsylvania, 1401 Arch St., Philadelphia 12, Pa.

- CARLSON, ERIC S. (S'50-A'53-M'5B), Sr. Microwave Engr., ITT Labs., Nutley 10, N.J. CARLSON, ERNEST H., JR. (S'4B-A'50-M'55), Dept. Head, Transformers Lear, Inc., 3171 S. Bundy Dr., Santa Monica, Calif.
- CARLSON, ERNEST R. (S'49-A'50-M'55-SM'56), Engr., GE Co., Syracuse, N.Y.
- GE Co., Syracuse, N.Y.
 CARLSON, FREDERICK A. (S'50-A'51-M'56), Assoc.
 Engr., Diagnostic Engro., IBM, Poughkeepsie, N.Y.
 CARLSON, GEORGE I. (S'48-A'51-M'56), Sr. Elec. Engr.,
 Motorola, Inc., 1400 N. Cicero Ave., Chicago 51, III.
 CARLSON, GEORGE R. (A'52), Pres., Carlson Electronics
 Co., 180 N. Wacker Dr., Chicago 6, III.
 CARLSON, HADDILOW, CIEGO
- CARLSON, HAROLD W. (S'56-M'59), Engr.-in-Training, Consumers Power Co., 212 W. Michigan Ave., Jackson,
- CARLSON, HARRY A. (A'56-M'57), Electronics Engr. USAF, Holloman AFB, N.M.
- USAF, Holloman AFB, N.M.
 CARLSON, HARRY A. (M'53-SM'5B), District Mgr., Ramo-Wooldridge Corp., 1333 E. Dominlick, Rome, N.Y.
 CARLSON, HUGH (A'53), Staff Asst. to Chief Engr., Naval Inspector of Ordnance, Naval Industrial Reserve Ordnance Plant, W. 5 St., Pomona, Calif.
 CARLSON, JOHN W. (M'57), Staff Engr., IBM, Kingston, N.Y.
- CARLSON, KENNETH J. (M'46), Dir., Mfg., Gent. Mills Inc., Mech. Div., 1620 Central Avc., Minneapolis 13, Minn.

- CARLSON, KENNETH L. (A'53), Project Engr., Electronic Communications, Inc., 1501 72 St., St. Petersburg,
- CARLSON, LAWRENCE L. (M'5B), Jr. Engr., Sylvania Elec. Prods., Inc., Emporium, Pa. CARLSON, LEONARD C. (A'53-M'56), Design & Dev. Engr., RCA, Harrison, N.J. CARLSON, OSCAR E. (A'41-M'50), Pres. & Dir., Engrg., Servospeed Div., Electro-Devices, Inc., 4-6 Godwin Ave., Paterson, N.J.
- Servospeed Div., Electro-Devices, Inc., 4-0 GOWIN Ave., Paterson, N.J.

 CARLSON, PAUL D. (S:56-M/5B), Design Engr., McDonnell Aircraft Corp., Lambert Field, St. Louis 3, Mo.

 CARLSON, PORTER N. (S'49-A'50-M/55), Assoc. Dev. Engr., Burroughs Corp., Great Vailey Labs., Paoli, Pa.

 CARLSON, RALPH D. (S'56-M/59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 CARLSON, RAY F. (M'44-SM'47), Dev. Engr., Tung-Sot Electric, Inc., Washington, N.J.

 CARLSON, RICHARD A. (M'56), Dir., Engr., Telex, Inc., 1633 Eustice St., St. Paul 1, Minn.

 CARLSON, RICHARD L. (S'57-A'5B), Instrumentation Mech. "A", Convair, Ft. Worth, Tex.

 CARLSON, ROBERT (A'57), Field Service Rep., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.

 CARLSON, ROBERT D. (M'57), Electronics Design Engr., Victor Adding Machine Cor., 3900 N. Rockwell, Chicago 18, III.

- CARLSON, ROBERT L. (M'59), Dev. Engr., Robertshaw-Fulton Controls Co., 401 N. Manchester, Anaheim, Calif. CARLSON, ROBERT S. (S'51-A'53-M'5B), Sect. Chief, Inextial Navigation Engro. Dept., Autonetics Div., No. Amer. Aviation, Downey, Calif.
- CARLSON, ROLAND E. (M/5B), Sr. Design Engr., Sylvania Electronic Systems, 1100 Wehrle Dr., Buffalo 21, N.Y. CARLSON, RUBEN E. (SM/55), V.P. & Genl. Mgr., Fair-child Recording Equipment Co., 10-40 45 Ave., Long Island City 1, N.Y.
- CARLSON, WALTER A. (A'55), Mgr., Defense Prod. Sales, Westinghouse Elec. Corp., Box 270, Utica 1,
- N.Y.

 CARLSON, WARREN A. (M'56), Engr., American Bosch
 Arma Corp., Garden City, L.I., N.Y.

 CARLSON, WENDELL J. (S'56-A'57), Radio Engr., Eastern
 Airlines, Inc.: Home: 12B Waverly Rd., Barrington, III.

 CARLSON, WENDELL L. (A'36-SM'47-F'49), Tech. Advisor, Patent Operations, RCA, Princeton, N.J.

 CARLSON, WILLIAM F. (S'55-M'57), Staff Mem., Los
 Alamos Scientific Lab., Los Alamos, N.M.

 CARLSTEN, EARL E. (S'45-A'48-M'53), Cmdr., USN,
 Shop Supt., Puget Sound Naval Shipyard, Brementon,
 Wash.

- Wash.

 CARLSTROM, ROBERT A. (M'56), Sr. Engr., Spenry
 Gyroscope Co., Great Neck, L.I., N.Y.

 CARLSTROM, T. HENRY (A'45-M'49-SM'54), Sr. Engr.,
 Sylvania Elec. Prods., Inc., Emporium, Pa.

 CARLTON, EDWARD O. (S'56-A'57), Component Engr.,
 Crosley Div., Avco M'9. Corp., Evendale, Ohio.

 CARLTON, LOBEL A., JR. (S'50-A'51-M'56), Industrial
 Engr., Chance-Vought Aircraft Co., 9315 W. Jefferson,
 Dallas, Tex.

- CARLUCCIO, JOSEPH (S'51-A'53-M'57-SM'58), Asst. Prof., Elec. Engrg., Newark College of Engrg., 323 High St., Newark 2, N.J.
 CARLYLE, JACK K. (A'55-SM'58), Head, Systems Synthesis Sect., Electronic Defense Lab., Sylvania Elec. Prods., Inc., 123 N. Whisman Rd., Mountain View, Calif.
- CARLYLE, JACK W. (5'53-M'56), Assoc., Elec. Engrg., Univ. of California, Berkeley 4, Calif. CARMACK, WILLARD J. (A'56), Bomb Navigation System, Engrs, Services Div., San Antonio Air Materiel Area, Kelly AFB, Tex.
- Kelly AFB, Tex.

 CARMAN, DUNCAN M. (S'55-M'58), Electronics Engr., Boeing Airplane Co., Seattle, Wash.

 CARMAN, FRANK C. (A'45-M'55), Pres. & Genl. Mgr., KLUB, 165 Social Hall Ave., Salt Lake City 1, Utah. CARMAN, HOWARD B., JR. (S'58-M'59), Avionics Flight Test Engr., Lockheed Aircraft Corn., Marietta, Ga.

 CARMAN, JUSTICE N. (A'56), Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 CARMAN, WILLIAM H. (M'49-SM'55), Staff Assoc., Sandia Corn., Sandia Base, Albuquerque, N.M.

 CARMEL, HERBERT H. (A'57-M'58), Elec. Engr., 1302 W. Olive, Burbank, Callf.

 CARMICHAEL, H. C. (A'58), Electronics Engr., Hars. 2nd Air Force Communications, Barksdale AFB, La.

 CARMICHAEL, NOBERT L. (A'53-M'58), Mem. Tech.

- 2nd Air Force Communications, Barksdale AFB, La.
 CARMICHAEL, ROBERT L. (A'53-M'58), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N. J.
 CARMODY, LAURENCE M. (M'58), Engr., Illinois Bell Tel.
 Co., 212 Washington, Chicago, Ill.
 CARMODY, THOMAS P. (A'47-M'55), Chief Engr., Standard
 Coil Prod. Co., Inc., Spring St., North Dighton, Mass.
 CARMOSINO, MATHEW J. (S'57-M'59), Engr., Jowa Power
 & Light Co., B23 Walrut, Des Moines, Jowa.
 CARMOUCHE, CHARLES L. (S'56-M'57), Convair Aircraft Co., Ft. Worth, Tex.
 CARNAHAN, C. WESLEY (A'34-SM'45-F'52), Tech. Asst.
 to Pres., Varian Associates, 611 Hansen Way, Palo Alto,
 Calif.
- CARNAHAN, KENNETH R. (A'54), 54B McIntire Dr.,
- CARNAHAN, PAUL G. (M'59), Assoc. Engr., Martin Co., Orlando, Fia.
- Orlando, Fla.

 CARNE, EDWARD B. (A¹52), Chief Dev. Engr., Remington Rand, 311 Turner St., Utica 1, N.Y.
- CARNE, GERALD G. (SM'50), Mgr., Microwave Process Systems Dev., RCA Harrison, N.J. CARNE, JOHN B. (SM'57), Leader, Communications Group, Rand Corp., 1700 Main St., Santa Monica, Calif.
- CARNEGIS, GEORGE A. (M'58), Engr., Hughes Aircraft Co., Culver City, Calif. CARNES, FREDERICK W. (M'53), Asst. Missile Officer, Electronics, Guided Missile Unit 51, Naval Mine Depot., Yorktown, Va.
- CARNES, RICHARD C. (S'58-M'59), Acting Instr., Ohio
- Univ., Athens, Ohio.
 CARNES, WILLIAM T., JR. (M'45-SM'46), Mgr., Electronics Engrg., Aeronautical Radio, Inc., 1700 K St., N.W., Washington 6, D.C.
 CARNEVALE, ANTHONY D. (A'55), Electronics Engr., Army Electronic Proving Ground, Ft. Huachuca, Ariz.

CAR-CAR

- CARNEVALE, MICHAEL D. (S'54-A'55), Mfg. Engr., Electronic Communications, Inc., Maritime Base, St. Petersburg, Fla.
- CARNEVALE, VINCENT D. (S'54-A'55-M'58), Supvr., Test Facilities Engrg., Electronic Communications, Inc., Maritime Base, St. Petersburg, Fla.
- CARNEY, CHARLES S. (M'56), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.
- CARNEY, OANIEL E. (A'57), Field Application Engr., T. Louis Snitzer Co., 5354 W. Pico 8lvd., Los Angeles 19, Calif.
- CARNEY, DUANE A. (S'48-A'49-M'55), Design Review Staff, Lockheed Missile & Space Div., Sunnyvale, Calif.

- Calil.

 CARNEY, JACK A. (M'57), Field Engr., RCA Service Co., Camden B, N.J.
 CARNEY, JACK J. (A'54), Owner, Jack Carney & Associates, 8ox 64, Oayton View Sta., Dayton 6, Ohio.
 CARNEY, PHILIP G. (A'27-M'55), Radio Engr., Hors., Ground Electronics Engrg. Installation Agency, USAF, Griffiss AFB, N.Y.
 CARNEY, RORFET W. (MAECA).

- Ground Electronics Engrg. Installation Agency, USAF, Griffiss AFB, N.Y.
 CARNEY, ROBERT W. (M'56), Engrg. Specialist, Transistor Applications, Lansdale Tube Co., Lansdale, Pa. CARNUCCIO, JOHN N. (A'49-M'54), Power Tube Engr., Raytheon Mfg. Co., Waltham, Mass.
 CARO, DAVID E. (A'50), Reader, Physics, Univ. of Melbourne, Carlton N. 3, Victoria, Australia.
 CARON, EUGENE J. (A'51-SM'56), Project Engr., Radio Condenser Co., Davis & Copewood St., Camden, N.J.
 CARON, J., YVES (S'52-A'53-M'56), Scientific Staff, Canadian Armament Research & Development Establishment, Valcariter, Quebec, P.Q., Canada.
 CAROTHERS, FRANK S., JR. (A'52-M'57), Project Engr., Delco-Remy Div., GMC, Anderson, Ind.
 CARP, GERALD (A'52-M'57), Chief, Weapons Effects Sect., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 CARPANTIER, VICTOR J. (M'46-SM'54), Chief, Data Conversion Sect., Identification & Data Conversion Branch, Communication & Navigation Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Communication & Navigation Lab., Wright Air Development Center, Wright-Patterson AF8, Ohio. CARPE, BERNARD (M/56), Microwave Design Engr., Dalmo Victor Co., 1414 Industrial Way, Belmont, Calif. CARPENTER, ALTON 8., JR. (M/57), Communications Engr., USAF, Pacific GEEIA, APO 343, San Francisco, Calif.

- Calir.

 CARPENTER, CHARLES B. (SM*53), Transmission & Protection Eng., Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland 4, Ore.

 CARPENTER, CHARLES H. (S'50-A'52-M*57), Test Engr., Lab. for Electronics, 1079 Commonwealth Ave., Boston, Mass.
- Mass.

 CARPENTER, CHESTER P. (SM'57), Staff Engr., Crosley Div., Avco Mfg. Corp., Arlington St., Cincinnati, Olio.

 CARPENTER, DAVID J. (M'56), Supvr., Research & Dev., Gage & Sprindle Div., Bryant-Excello Corp., 80x 620, Springfield, Vt.
- CARPENTER, DAVID L. (S'49-A'50-M'58), Mgr., Re-llability, ITT Federal Div., 3200 Wayne Trace, Ft. Wayne, Ind.
- Ind.

 CARPENTER, DAVID P. (M'56), Sr. Engr., Melpar, Inc.,

 11 Galen St., Watertown 72, Mass.

 CARPENTER, DONALD D. (M'42-SM'43), Pres., Research
 Industries, Ltd., 1777 W. 3rd Ave., Vancouver, 8.C.,
 Canada.
- Canada.

 CARPENTER, EDWARD J., JR. (M'55), Test Equipment Engr., IBM, Poughkeepsie, N.Y.

 CARPENTER, FRANK C., JR. (M'56), Sr. Elec. Engr., Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles 15, Calif.
- Calif.

 CARPENTER, HARRY E., JR. (M'56), Head, Operations Control Branch, NASA, Goddard Space Flight Center, 4555 Overlook Ave., Washington 25, D.C.

 CARPENTER, JACK F. (A'56), Electronics Engr., Link Aviation, Inc., Binghamton, N.Y.

 CARPENTER, JAMES J. (M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 CARPENTER, JOHN R. (A'57), Sales Planning Asst., Collins Radio Co., 1930 HiLline Dr., Dallas, Tex.

 CARPENTER, JOHN W. (M'56), Design Engr., Aircraft Armaments, Inc., Box 126, Cockeysville, Md.

 CARPENTER, IANE B. (A'54), Mathemalician, Applied

- CARPENTER, LANE 8. (A'54), Mathematician, Applied Physics Lab., The Johns Hookins Univ.. Silver Sorino. Md. CARPENTER, LEE C. (S'49-A'51-M'56), Advisory Engr., IBM, Owego, N.Y.
- CARPENTER, LUTHER 8. (A'47-M'55), Project Engr. Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
- CAPENTER, LUTHER 8. (A'47-M'55), Project Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 CAPENTER, M. BRUCE (M'57), Rep., American Bosch Arma Corp., 1000 Connecticut Ave., Washington 6, 0.C.
 CAPENTER, MARJORIE L. (A'54), Electronics Engr., Link Aviation, Inc., Beckwith Ave., Binohamton, N.Y.
 CARPENTER, MARSHALL M., JR., (S'49-A'50-M'55), Sales Engr., RCA, 501 N. LaSalle St., Indianapolis, Ind.
 CARPENTER, NORMAN R. (S'56-M'58), Elec. Engr., Corning Glass Works, Corning, N.Y.
 CARPENTER, PAUL J. (M'59), Sr. Engr., ITT Labs., Nutley 10, N.J.
 CARPENTER, R.C. (M'48), 3534 Raymoor Rd., Rock Creek Hills, Kensington, Md.
 CARPENTER, RALPH A. (A'58), Sect. Head, Naval Research Labs., Washington 25, D.C.
 CARPENTER, ROBERT D. (A'57), Installation & Operating Technician, Page Communications Engrs., Inc., 710 14
 St., N.W., Washington, D.C.
 CARPENTER, ROBERT D. (A'57), Research Physicist, Geophysics Corp. of America, 700 Commonwealth Ave., Boston 15, Mass.
 CARPENTER, ROLAND L. (A'54), Group Mgr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif.
 CARPENTER, RUPERT E. H. (M'23-SM'43), 35 Croham Valley Rd., S. Crovdon. Surrey. England.
 CARPENTER, RUPERT E. H. (M'23-SM'43), 35 Croham Valley Rd., S. Crovdon. Surrey. England.
 CARPENTER, RIPERT E. H. (M'23-M'58), Electronics Engr., Tel Autograph Corp., 8700 Bellanca Ave., Los Angeles 45, Calif.
 CARPENTER, RICHARD A. (M'56), Project Engr., Sperry Pledmont Co., Charlottesville, Va.

- CARPENTIER, RICHARD A. (M'56), Project Engr., Sperry Piedmont Co., Charlottesville, Va.

- CARPENTIER, WALTER J. O. (S'56-M'57), Engr., Syndicat D'Etudes De L'Energie Nucleaire, 6, Montagne du Pare, Brussels, Bolgium.
 CARPINIELLO, FRANK (S'57-A'57), Asst. Staff Mem., Genl., Precision Lab., Inc., Pleasantville, N.Y.
 CARR, ALLAN E. (S'56-M'58), Supvy. Field Engr., DATAmatic Div., Minneapolis-Honeywell Regulator Co., Newton, Mass.
- Mass. CARR, BRYCE A. (M'58), Macs-3, 1 St. MAW, FPO, San Francisco, Calif. CARR, CARL E. (S'56-A'57), Western Electric Co., 220 Church St., New York 13, N.Y.
- Church St., New York 13, N.Y.
 CARR, CURTIS E. (S'53-A'54), Sr. Elec. Engr., Sylvania Elec. Prods. Inc. Waltham. Mass.
 CARR, DONALD L. (S'36-A'38), Electronics Engr., Wright Air Development Center, Wright-Patterson AF8, Ohio.
 CARR, EARLE A. (S'50-A'52-M'57), U.S. Naval Radiological Defense Lab., San Francisco 24, Calif.
 CARR, ELTON'G. (M'58), Test Engr., United Shoe Machinery Corp., Beverly, Mass.
 CARR, FRIC (A'55), Electronics Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal 30, P.Q., Canada.
 CARR, FERETT Q. (M'55), Electronics Engr., GE Co., Utica, N.Y.
 CARR, FRANCIS P., JR. (A'52-M'58), Airline Sales Engr., Consolidated Diesel Electric Corp., 880 Canal St., Stamford, Conn.

- CARR, HOWARD E. (S'55-A'56), Univac Technician, Franklin Life Insurance Co., Springlield, Ill. CARR, FRANCIS S. (S'57-M'58), Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.
 CARR, GEORGE W. (4'44-M'52-SM'57), Sect. Mgr., Reliability Engrg., Electronic Communications, Inc., 1501 72 St., N. St. Petersburg 10, Fla.
 CARR, HOWARD E. (S'55-A'56), Univac Technician, Franklin Life Insurance Co., Springlield, Ill.
 CARR, J. WILLIAM ("3'9-A'50-M'53), Research Scientist, Lockheed Aircraft Corp., Sunnyvale, Calif.
 CARR, J.AMES E., JR. (S'57-M'58), Electronics Sales Engr., Sylvania Elec. Prods., Inc., 2001 N. Cornell, Melrose Park, Ill.
 CARR, J.OSEPH K. (M'56), Engr., GE Co., Syracuse

- CARR, JOSEPH K. (M'56), Engr., GE Co., Syracuse,
- CARR, JUDECH N., MM-DDJ, Engr., GE Co., SYTACUSE, N.Y.

 CARR, KENNETH L. (S'53-A'54), Sr. Engr., Ferrotec, Inc., 217 California St., Newton. Mass.

 CARR, LESTER H. (A'36-VA/39-M'55), Pres. & Tech. Dir., Developmental Engrg. Corp., 1000 Connecticut Ave Washington 6, D.C., Dir., L. H. Carr & Associates, Box 551, Leesburg, Va.; Chmn., Bd. of Dirs., Scatter Communications, Inc., 4923 St. Elmo Ave., Bethesda, Md., Pres., Antenna Systems, Inc., 80x 551, Leesburg, Va. CARR, LYNDELLO, (S'50-A'51-M'56), District Mgr., GE Co., 314 W. Trade St., Charlotte, N.C.

 CARR, MERLE G. (M'57), 1st Lt., USAF, Electronics Engr., Infrared Reconnalssance, Wright Air Development Center, Wright-Patterson AFB, Ohlo.

 CARR, PETER G. (S'54-M'56), Aerophysics Engr., Con-

- Engr., Intrared Reconnaissance, Wright Air Development Center, Wright-Patterson AF8, Ohio.

 CARR, PETER G. (5'54-M'56), Aerophysics Engr., Convair, Ft. Worth 1, Tex.

 CARR, ROBERT T. (4'57), Service Technician, Bendix Radio Corp., Towson 4, Md.

 CARR, ROBERT W. (4'49), Mpr., Microphone Dev., Shure Bros., Inc., 222 Hartey, Evanston, III.

 CARR, ROBERT W. (5'55-M'58), Engrg. Writer, Westinghouse Elec. Corp., Galtimore 3, Md.

 CARR, STANLEY O. (M'47), Chief Engr., James S. Snivey, Inc., 4998 Hampden Lane, Washington 14, D.C.

 CARR, WILLIAM 8. (5'54-A'55), Engr., Microwaves Dev., Texas Instrument, Inc., 6000 Lemmon Ave., Dallas, Tex., CARR, WILLIAM J. (M'56), Delco Radio Div., GMC, Ko-Komo, Ind..

 CARRABES, MARCELLO J. (M'56), Asst. Prof., Elec.
- CARRABES, MARCELLO J. (M'56), Asst. Prof., Elec-Engrg., Northeastern Univ., 360 Huntington Ave., Boston Engrg., No. 15, Mass.

- Ligry, Morneastern Gitt, 200 Northington Ave., Bossoli 15, Mass.

 CARREAU, GERALD (S'48-A'51-M'56), Engr., C8S-TV, 485 Madison Ave.. New York 22. N Y

 CARRELL, R. MICHAEL (S'47-A'49-M'55), Design & Dev. Engr., RCA, Camden 2, N.J.

 CARREON, DANIEL G. (S'52-A'55-M'58), Project Engr., 81 Bionder-Tongue Labs., 9-25 Alling St.. Newark 2. N.J.

 CARRETA, PATRICK M. (A'51-M'53), Field Engr., Philod Corp., 22 & Lehigh Ave., Philadelphia 32, Pa.

 CARRICK, G. RAYNER (A'54), Systems Engr., RCA, 8 Broadway, Tucson, Ariz.

 CARRICK, ROBERT L. (M'58), Engr., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

 CARRIERE, JOSEPH M. (M'58), Regional Mgr., Adams Engrs., Ltd., 77 Metcalfe St., Ottawa, Ont., Canada.

 CARRILLO, EDWARD 8. (S'44-A'50-M'55), Design Engr., GE Co., Syracuse, N.Y.

 CARRILLO, ULLIANO (A'56-M'57), Rosales Num. 2, Piso

- GE CO., Syracuse, N.Y.
 CARRILLO, JULIANO (A'56-M'57), Rosales Num. 2, Piso
 4, Depto, 1, Mexico 1, D.F., Mexico.
 CARROLL, ARTHUR 8. (S'57-M'59), Electronics Engr.,
 IBM, Owego, N.Y.
- CARROLL, CHARLES F., JR. (A'42-SM'52), Research Assoc., Planning Research Corp., 1333 Westwood, Los Angeles 24. Calif.
- Angeles 24. Calif.
 CARROLL, CHARLES T. (A'41-M'48), Staff Engr., Hughes Aircraft Co., Culver City, Calif.
 CARROLL, DOUGLAS V. (A'39-M'45-SM'50), Pres. & Mng. Dir., TMC (Canada, Canada), Ltd., R.R. 5, Ottawa, Ont., Canada.

- Canada, FRANK E. (SM'58), Air Research Mfg. Co., 9851 Sepulveda 8lvd., Los Angeles 45, Calif. CARROLL, FREDERICK W. (S'55-M'57), Communications Officer, RCAF, Senneterre, P.Q., Canada. CARROLL GEORGE R. (M'58), Assoc. Engr., Continental Device Comp., 12911 Cerise, Los Angeles, Calif. CARROLL, IRVING (A'51-M'56), Process Engr., Clevite Transistor Prods., 241-257 Crescent St., Waltham 54, March

- Mass.
 CARROLL, JAMES M. (M¹57), Sr. Project Engr., Space Corp.. Garland. Tex.
 CARROLL, JOHN C. (M¹55), Chief Engr., KFEQ Broad-casting Co., 40 & Faraon, St. Joseph, Mo.
 CARROLL, JOHN D. (M¹57), Quality Control Engr., Hughes Prods. Group, Box 278, Newport Beach, Calif.
 CARROLL, JOHN M. (S¹53-A¹54), Sr. Design Engr., Grumman Aircraft Engrg. Corp., Bethpaee, L.I., N.Y.
 CARROLL, JOHN M. (A¹52), Lab. Asst., Allen 8. Du Mont Labs., Inc., 750 Bloomfield Ave., Clifton, N.J.
 CARROLL, JOHN M. (A¹52-M¹55), Mng. Editor, Electronics, 330 W. 42 St., New York 36, N.Y.

- CARROLL, JOSEPH C. (A'57), Field Engr., I8M, Owego,
- CARROLL, LEO R. (A'53-M'58), Design Group Engr., Con-

- CARROLL, LEO R. (A'53-M'58), Design Group Engr., Convair, Pomona, Calif.
 CARROLL, LOUIS O. (A'56), Lt. Col., USAF, Hgrs., Washington 25, D.C.
 CARROLL, MICHAEL J. (A'29-SM'45), Mgr., Mktg., Enkertainment Tube Prods., RCA, Harrison, N.J.
 CARROLL, PAUL F. (M'56), Sates Engr., Transitron Electronic Corp., 6641 W. North, Oak Park, III.
 CARROLL, RICHARD V. (M'57), Project Engr., Babcock Radio Engr., 1640 Monrovia Ave., Costa Mesa, Calif.
 CARROLL, THOMAS J. (M'44), Advanced Dev. Staff, Bendix Radio Div., Towson 4, Md.
 CARROLL, THOMAS J. (M'58), Sr. Electronics Engr., Sylvania Elec. Prods., Inc., 175 Great Arrow Ave., Buffalo 7, N.Y.
 CARROLL, WILLIAM D. (S'58-M'59), 601 N. Spring St., Winston-Salem, N.C.
 CARROLL, WILLIAM N. (A'56), Advisory Engr., 18M,

- CARROLL, WILLIAM N. (A'56), Advisory Engr., I8M, Kingston, N.Y.

- Kingston, N.V.

 CARROLL, WILLIAM P. (A'53-M'58), Sr. Engr., Research Dept., No. Amer. Aviation, Downey, Calif.

 CARRONA, JOHN J. (M'57), Metallurgical Engr., RCA, Harrison, N.J.

 CARROS, JOHN R. (S'54-A'55), Electronics Engr., Dept. of the Air Force, Griffiss AF8, N.Y.

 CARROTHERS, G. HOWARD (A'52-M'57), Staff Asst., Standard Machine Computing Design, IBM, Poughkeepsie, N.Y.
- Standard Machine Computing Designi, Join, Podginecasts, N.Y.

 CARRUS, PIERRE A. (M'56), Exec. Mgr., Direction Du Pari Mutuel, 30 Rue des Petits Hotels, Paris 10, France.

 CARRUTH, DAVID C. (S'55-M'57), Lt. Cmdr., Flight Officer, USN, VP-16, FPO, New York, N.Y.

 CARRUTH, DONALD E. (S'56-M'58), Assoc. Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

 CARRUTH, RALPH O. (M'58), Engr.,-in-Chg., Sylvania Elec. Prods., Inc., Hillsboro, N.H.

 CARRUTHERS, CHARLES M. (S'55-A'56), Technician, Federal Electric Copp., Rte. 17, Lodi, N.J.

 CARRUTHERS, CHARLES W. (M'56), Engr., Raytheon Mfg., Co., Winter St., Waltham 54, Mass.

 CARRUTHERS, WILLIAM E. (M'57), Radio Systems Engr., Bell Tel. Co. of Canada, 1060 University, Montreal 1, P.Q., Canada.

 CARSON, ALBERT C. (M'57), Ship Electronics Officer,

- CARSON, ALBERT C. (M'57), Ship Electronics Officer, Cmdr. Naval Air Force, U.S. Pacific Fleet, Naval Air Sta., San Diego, Calif.
- Sta., San Diego, Lalit.

 CARSON, CHARLES H. (A'57), Sr. Microwave Engr.,
 Ferrotec, Inc., 217 California St., Newton 58, Mass.

 CARSON, DAVID G. (S'50-A'51-M'56), Asst. Project Engr.,
 Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills,
 Calif.
- CARSON, DAVID N. (S'52-A'55), Elec. Engrg. Dept., State Univ. of lowa, lowa City, lowa. CARSON, DONALD E. (S'56-M'57), Assoc. Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.
- CARSON, EVERETT L. (M'57), Field Engr., RCA, West-mont, N.J.
- mont, N.J.
 CARSON, GUY 8. (A'55), Govt. Rep., Sylvania Elec.
 Prods., Inc., 1811 Adrain, Burlingame, Calif.
 CARSON, HAROLD E. (S'42-A'45-SM'53), Genl. Mgr. &
 Pres., Carson Mig. Co., Inc., 2424 E. 55 St., Indianapolis 20, Ind.
- Pres., Carson Mig. Co., Inc., 2424 E.55 St., Indianapolis 20, Ind.
 CARSON, JAMES O., JR. (S'57-M'59), Electronics Engr.,
 USN Oept., B.reau of Ships, Washington 25, D. C.
 CARSON, JOHN W. (A'53-M'59), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Callf.
 CARSON, ROBERT E. (M'48-SM'50), Electronics Engr.,
 GE Co., Syracuse, N.Y.
 CARSON, ROBERT E. (S'54-A'55), Elec. Engr., Franklin
 Co., 21 S. 5 St., Philadelphia 6, Pa.
 CARSON, VICTOR S. (S'39-A'42-SM'51-F'55), Prof.,
 Engrg., San Jose State College, San Jose 12, Calif.
 CARSTENS, LOUIS (A'47-M'58), Chief Engr., Jensen Music
 Automates, Lyskaer B Herlev, Copenhagen, Denmark.
 CARSTENSEN, EDWIN L. (SM'56), Physicist, Biophysics
 Branch, Camp Detrick, Frederick, Md.
 CARSTENSEN, HADROLD K. (S'149-A'51-M'57), Systems
 Engr., Lawrence Radiation Lab., Box 808, Livermore,
 Calif.
 CARSTOIU, JOHN (SM'58), Research Scientlst. Lockheed

- CARSTOLL, JOHN (SM'58), Research Scientist, Lockheed Missiles & Space Div., Hanover St., Palo Alto, Calif. CARSWELL, JAMES D. (A'59), Electronics Technician, 407 Holly Ave., Nanaimo, 8.C., Canada.
- CART, ROSERT E. (A'49), Assoc. Engr., ISM, Kingston, CARTER, ALVA J., JR. (A'51), 2711 W. George St., Chicago 18, III.
- Chicago 18, III.
 CARTER, ANDREW G. JR. (S'57-M'59), Staff Mem.,
 Sandia Corp., Sandia Base, Albuquerque, N.M.
 CARTER, ARTHUR J., JR (S'57-A'58), Technician, Westinghouse Broadcasting Co., Inc., 3725 Malden Ave.,
 Baltimore 11, Md.
- Baltimore 11, Md.

 CARTER, BERNERT S. (S'54-M'55), Asst. Elec. Engr., New York City Transit Authority, 506 E. 75 St., New York, N.Y.

 CARTER, CARROLLS S., JR. (A'53-M'59), Sr. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. CARTER, CHARLES E., JR. (M'57), Supry. Engr., Westinghouse Elec. Copp., Box 746, Baltimore 3, Md.

 CARTER, CLARENCE J. (S'46-A'49-M'55), Research Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 CARTER CLIPTIC D. 10 (ALEX)
- CARTER, CURTIS R., JR. (M'57), Test Engr., Rocketdyne, Neosho, Mo.

- Neosho, Mo.

 CARTER, DAVID (A'51-M'58), Prof. & Grad. Coordinator, San Jose State College, San Jose 14, Calif.

 CARTER, DELMAR W. (A'57), Communication Consultant, Technical Materiel Corp., 700 Fenimore Rd., Mamaroneck, N.Y.

 CARTER, DONALD F. (S'41-A'43-M'55), Elec. Emgr., John A. Carollo, 3308 N. 3rd St., Phoenix, Ariz.

 CARTER, E. FINLEY (A'23-F'36), Pres., Stanford Research Institute, 333 Ravenswood Ave., Menlo Park, Calif.

 CARTER, E. EDWARD C. (M'55), Test Equipment Design Engr., Hughes Aircraft Corp., Los Angeles 45, Calif.

 CARTER, ELBERT P. (M'55), Research Mgr., Electromechanical, E.I. du Pont de Nemours & Co., Inc., Mechanical Dev. Lab., 101 Beech St., Wilmington 98, Del.

- CARTER, FLOYD M. (A154), Electronics Engr., GE Co.,
- CARTER, FREDERICK W. (A'52-M'57), Contract Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

- 32, Pa.

 CARTER, GEORGE E., JR. (M'53), Chief Engr., Bomac
 Lab., Inc., Salem Rd., Beverly, Mass.

 CARTER, GEORGE W. (A'46-SM'56), Engr., TV Tuners.

 RCA, Rte. 38, Delaware Township, N.J.

 CARTER, GEORGE W. (M'55), Chief Industrial Mcch. Engr.,

 Bomac Labs., Inc., Salem Rd., Beverly, Mass.

 CARTER, GENN W. (M'57), Chief Reliability Engr., Dale

 Prods., Inc., Columbus, Neb.

 CARTER, HAMES (A'40-M/45-SM/51), Dabliship.
- CARTER, H. JAMES (A'40-M'45-SM'51), Publications Sect. Head, Litton Industries, 4900 Calvert Rd., College Sect. Head Park, Md.
- Park, Md.

 CARTER, HENRY A. (A'54), Tech. Writer, Howard W. Sams & Co., Inc., 2201 E. 46 St., Indianapolis 5, Ind.

 CARTER, HERMAN T. (A'4/-M'4/-SM'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 CARTER, JACK (M'57), V.P., Protronics C.A., Apartado 10686, Sabanah Grande, Caracas, Venezuela.

 CARTER, JAMES H. (A'56), Partner, Wrye Co., Ltd., 2410 W. Alabama, Houston, Tex.

 CARTER, JAMES M. (A'57), Field Service Engr., Electrobata Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.

 CARTER, JAMES W. (JR (S'57-M'58), 1039 Tilden Aug.

- VIII.4, PASAGERIA, VAIII.
 CARTER, JAMES V., JR. (S'57-M'5B), 1039 Tilden Ave.,
 N.W., Atlanta 1B, Ga.
 CARTER, JOHN C. G. (SM'56), Supvg. Engr., Radio
 Communications Systems, Westinghouse Elec. Corp.,
 Box 1897, Baltimore 3, Md.
- Box LB97, Baltimore 3, Md.
 CARTER, JOHN M. (M'46-SM'51), Pres., California Tech. Industries, 1421 Old Courty Rd., Belmont, Calif.
 CARTER, JOHN M. (M'58), Tech. Dir., Mktg. & Precontract Engrg., Jansky & Bailey, Inc., 1339 Wisconsin Ave., Washington 7, D. C.
 CARTER, LORNE W. (S'56-M'59), Tech. Writer, Raytheon Mfg. Co., Waltham 54, Mass.
 CARTER, LOUIS J., JR. (S'49-A'51), Electronics Engr., Mare Island Naval Shipyard, Vallejo, Calif.
 CARTER, MARION G. (SM'53), Specialist, Adm., GE Co., Owensboro, Ky.

- Owensboro, Ky.

 CARTER, MARVIN B. (M'52), Project Engr., Western Dev. Labs., Philico Corp., Palo Alto, Calif.

 CARTER, PAUL M. (M'57), Mgr. & Owner, Carter Associates, 217 S. Hinton Rd., Scottsdale, Ariz.
 CARTER, PHILIP S. (A'29-M'38-SM'43-F'49), Research Engr., RCA Labs., Rocky Point, L. I., N. Y.

 CARTER, PHILIP S., JR. (S'48-A'50-M'56), Research Scientist, Lockheed Missiles & Space Div., Box 504, Sunnyvale, Calif.

 CARTER, RICHARDO (ALSO).
- CARTER, RICHARD C. (A'5B), 49 N. Santa Anita Ave., Pasadena, Calif.
- CARTER, ROBERT (S'50-A'57), Box 903, Chicago 90,
- III.
 CARTER, ROBERT C. (M'56), Electronics Engr., Collins
 Radio Co., 1930 HiLine Dr., Dallas, Tex.
 CARTER, ROBERT C. (S'47-A'50-M'54), Asst. Prof.,
 Elec. Dept., Southern Tech. Institute, Chamblee, Ga.
 CARTER, ROBERT M. (S'57-M'59), Electronics Maint.
 Engr., (MIKE), U.S. Army, "F" Btry., 3rd Regiment,
 Ft. Bliss, Tex.

- Ft. Bliss, Tex.

 CARTER, ROBERT W. (A'44), Pres., Carter Motor Co., 2711 W. George St., Chicago 18, III.

 CARTER, ROBERT W. (SM'59), Genl. Staff Supvr., Electronics, Illinois Bell Tel. Co., 212 W. Washington St., Chicago 6, III.

 CARTER, ROBERT W., JR. (M'58), Sales Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.

 CARTER, RONALD H. A. (A'37-SM'47), Chief Experimental Officer, Ministry of Supply, R. R. E., Saint Andrews Road, Malvern, Worcestershire, England.

 CARTER, SANFORD P. (S'57-M'58), Ensign, USN, Radio Officer, USS Saratoga (CVA-60), FPO, New York, N.Y.

 CARTER, THOMAS F. (M'57), Dwner-Genl. Mar. Carter

- Officer, USS Saratoga (CVA-60), FPO, New York, N.Y.
 CARTER, THOMAS F. (M'57), Owner-Genl. Mgr., Carter
 Engrg. Co., 6762 Greenville Ave., Dallas 31, Tex.
 CARTER, WELD S., JR. (S'50-A'51-M'5B), Dev. Engr.,
 Burroughs Corp., Research Center, Paoli, Pa.,
 CARTER, WILLIAM F. (A'53), Sealectro Corp., 610
 Fayette Ave., Mamaroneck, N.Y.
 CARTER, WILLIAM G. (A'56), Engr. Writer, Westinghouse
 Elec. Corp., Air Arm Div., Baltimore 3, Md.
 CARTER, MILLIAM H., JR. (M'46-SM'47), Pres. & Genl.
 Mgr., Electro Mechanical Oevelopment Co., 2337 Bissonet
 Ave., Houston 5, Tex.
 CARTER, ETTE, AMOS A., JR. (A'5D-M'51), Sr. Engr.,

- Ave., Houston 5, Tex.

 CARTERETTE, AMOS A., JR. (A'5D-M'51), Sr. Engr., Cooke Engrg. Co., 508 N. Pitt St., Alexandria, Va.

 CARTLANO, FREO W. (M'56), Assoc. Prof., Elec. Engrg., Ohio Univ., Athens, Ohio.

 CARTMELL, THOMAS R. (M'58), Electronics Design Engr., GE Co., Hanford Atomic Prods. Operation, Richland, Wash. CARTOND, GERALO P. (S'51-A'513-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 CARTTAR, GERALD L. (A'52-M'58), Quilty Control, Boeing Airplane Co., 3801 S. Oliver, Wichita, Kan., Owner, Kansas Two-Way Radio Service, Wichita, Kan.

 CARTWRIGHT, CHARLES C. (M'56), Electronics Scientist, USN Mine Defense Lab., Panama City, Fla.

 CARTWRIGHT, JOHN R. (A'45-M'45), Asst. Patent Mgr.,

- USN Mine Défense Lab., Panama City, Fla.

 CARTWRIGHT, JOHN R. (A'45-M'45), Asst. Patent Mgr., British Tabulating Machine Co., Ltd., Icknield Way, Letchworth, Herts., England.

 CARTWRIGHT, PAUL A. (M'59), Asst. Prof., Univ. of Minnesota, Minneapolis 14, Minn.

 CARTWRIGHT, VICTOR F. (M'54), Project Engr., Ralph M. Parsons Co., 151 S. DeLacey St., Pasadena, Calif.

 CARTY, DESMOND G. (S'41-A'45), Regional Radio Aides Engr., Oept. of Transport, Govt. of Canada, Montreal Airport, P.Q.; Canada.

 CARTY. EDWARO H. (S'58-M'58), Apalyst. The

- Aimort, P.Q.*, Canada.

 CARTY, EDWARD H. (S'58-M'58), Analyst, The Geotechnical Corp., Box 652, Laramle, Wyo.

 CARUANA, PETER A. (A'52), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 CARUSO, CARMINE (SM'58), V.P. & Genl. Mgr., Tube Dev., RCA Electron Div., Harrison, N.J.

 CARUTHERS, FELIX P. (M'57-SM'58), Project Engr., Specialties, Inc., Skunks Misery Rd., Syosset, L.I., N.Y.
- N.Y.
 CARUTHERS, ROBERT S. (SM'53), V.P. & Tech. Dir.,
 ITT Labs., Nutley, N.J.

- 120 -

- CARVAJAL, JULIO A. (A'59), Engr., JFD Mig. Co., 6101
 16 Ave., Brooklyn 4, N.Y.
 CARVER, DWIGHT H. (S'56-M'5B), Radio Maint. Supvr.,
 Texas Highway Dept., 601 Slaton Rd., Lubbock, Tex.
 CARVER, FRANK (A'5B), Genl. Mgr., Electronic Models
 Corp., 44 Cherry Valley Rd., West Hempstead, L.I., N.Y.
 CARVER, FRANK R. (SM'51), Mgr. Radar Dept., Airborne
 Systems Labs., Hughes Aircraft Co. Culver City, Calif.
 CARVER, JOHN G. (S 45-A'45-5'5'5'1-M 56), Nuclear Engr.,
 GE Co., Evendale, Ohio.
 CARVER, LLOYD A. (M'46), Dir. School of Industrial Arts.,
 101 W. State St., Trenton B, N.J.
 CARVER, ROBERT L. (M'56), Project Engr., Nuclear
 Chicago Corp., '23 W. Erie St., Chicago 10.111.
 CARVER, VINTON D. (SM'59), 2211 W.N. Temple, Salt
 Lake City, Utah

- Lake City, Utah

 CARY, FREDERICK C. (M'51), Design Engr., Radio Valve
 Co., Ltd., 189 Dufferin St., Toronto 3, Ont., Canada.

 CARY, HALL (M'58), Research Engr., Battelle Memorial
 Institute, 505 King Ave., Columbus, Ohio.

 CARY, HOWARD H. (A'41-M'55), Pres., Applied Physics
 Corp., 2724 S. Peck Rd., Monrovia, Calif.

 CARY, RAYMOND J. (A'45-M'55), Supvr., Engr., Services,
 Electronics Div., Ryan Aeronautical Co., 5650 Kearny Mesa
 Rd., San Diego 17, Calif.
- CARY, SAMUEL L. (A'55), Asst. Engr., Alberta Govt. Telephones, Edmonton, Alta., Canada. CARY, T. RAY, JR. (S'42-A'43-M'46), Asst. Chief Engr., Tropical Radio Telegraph Co., 11B Charles St., Hingham,
- CARYOTAKIS, GEORGE (S'50-A'51-M'57), Research Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
- CASABONA, ANTHONY M. (A'43-M'55), Dir., Avionic Transmission Lab., ITT Labs., Nutley 10, N.J. CASAD, THEODORE A. (S'54-A'55), Research Engr., California Institute of Technology, 4800 Oak Grove Dr., Passadena 3, Calif. CASAL, FREDERICO G. (A'56), Staff Scientist, Convair, San Diego, Calif.
- San Diego, Calif.

 CASALE, CHARLES T., II (S'56-M'56), Elec. Engr., Control Data Corp., 501 Park Ave., Minneapolis 15, Minn. CASALE, DOMINICK R. (M'56), Easem Regional Sales Mgr., Radiation, Inc., Box 37, Melbourne, Fla.

 CASANAVE, CLYDE L. (M'56), Engr., Sylvania Elec. Prods., Inc., Wattham 54, Mass.
 CASANOVA, WANYB J. (S'56-M'5B), Test Equipment Engr., IBM, Rochester, Minn.

 CASAROW, LAWRENCE, JR., (S'50-A'51-M'56), Elec. Design Engr., Bendix Aviation 11600 Sherman Way, Los Angeles, Calif.

 CASCHERA, JOSCPH (S'57-M'5B), Engr., In-Training

- Los Angeles, Calif.
 CASCHERA, JOSEPH (S'57-M'5B), Engr.-In-Training,
 Chrysler Corp., Detroit, Mich.
 CASCIATO, ANTHONY C. (S'57-M'5B), Ensign, USNR,
 Home: 1120 MacDade Blvd., Woodlyn, Pa.
 CASCIATO, LEONARD (A'53-M'5B), Sec., Treas., KCS
 Data Control, Ltd., 20 Spadina Rd., Toronto 4, Ont.,
 Canada.

- CASCIDTTI, RUDOLPH J. (A'49), TV Test Equipment Engr., Wells-Gardner, 2701 Kildare, Chicago 13, III.

 CASE, BILL (A'46), Dwner, Bill Case-Records & Sound, 3522 Broadway, San Antonio 9, Tex.

 CASE, CHARLES C., JR. (A'47-M'55), Plant Elec. Engr., Dielectric Heater Oev., Specialty Insulation Mfg. Co., Hoosick Falls, N.Y.
- Co., Hoosick Falls, N.Y.

 CASE, CDE W. (M'57), Elec. Engr., Martin Co., Box 179, Denver, Colo.

 CASE, DARYL M. (M'56), Electronics Engr., U.S. Naval Air Missile Test Center, Point Mugu, Calif.

 CASE, EDWARD E. (A'47), Air Navigation Facilities Div., FAA, Box 1689, Ft. Worth, Tex.

 CASE, MYRON D. (A'29-VA'39-M'55), Sta. Engr., American Broadcasting Co., Newark, Calif.

 CASE, PAUL W. (A'53-M'56), Dev. Engr., IBM, Poughkeepsie, N.Y.

 CASE, SIDNEY W. (A'54), Field Engr., RMC, Associates

- Poughkeepsie, N.Y.
 CASE, SIDNEY W. (A'54), Field Engr., RMC Associates, 236 E. 75 St., New York 21, N.Y.
 CASE, WILLIAM E. (S'56-M'58), Electronics Engr., Natl. Bureau of Standards, Boulder, Colo.
 CASERTA, JOSEPH N. (A'53-M'58), Assoc. Electronics Engr., Comell Aeronautical Lab., Inc., Genesee St., Ruffalo. N.Y.

- Buffalo, N.Y.

 CASEY, ARTHUR A., JR. (M'59), Sr. Electronics Technician, MIT, Cambridge 39, Mass.

 CASEY, ERIC A. (A'51), Service Mgr., Communications Service, Inc. 5038 S. Pulaski, Chicago 32, III.

 CASEY, GRAY J. (S'54-M'57), Engr., Meipar, Inc., 3000 Arlington Bivd., Falls Church, Va.

 CASEY, JOHN B. (S'54-M'56), Test Planning Engr., Western Electric Co., 204 Graham-Hopedale Rd., Burlington, N.C.

 CASEY, JOHN D. (S'57-M'58), Staff Engr., Command Systems, Inc., 14021 McKinley Ave., Los Angeles 59, Calil.

- CASEY, JOHN L. (M'57), Engr., Well Surveys, Inc., Box 2656, Tulsa, Okla.
 CASEY, KENNETH T. (M'55), Northeastern District Mgr., LMED, GE Co., 600 Old Country Rd., Garden City, L.I., N.Y.

- LMED, GE Co., 600 Old Country Rd., Garden City, L.I., N.Y.

 CASEY, PATRICK J. (A'55), Circuit Design Engr., Genl. Telephone Labs., Box 17, Northitake, III.

 CASEY, RAYMOND J. E. (A'55), Elec. Engr., Raytheon M'g. Co., South Lowell, Mass.

 CASEY, RICHARO H. (M'58), 'B' Elec. Engr., RCA, Camden, N.J.

 CASEY, ROBERT F. (A'54), Electronics & Mngt. Consultant, Arthur D. Little, Inc., Acorn Park, Cambridge, Mass.

 CASEY, SAMUEL D. (A'55), Electronics Engr., Naval Ordanace Lab., Corona, Calif.

 CASEY, THOMAS J. (A'49-M'55), Dir., Radio Electronics TV Schools, 3730 Woodward Ave., Detroit, Mich.

 CASH, FLOYD L. (S'50-A'54-M'55-M'57), Dir. Training, Lane-Wells Co., 2002 S. Wayside, Houston, Tex.

 CASH, WALTER I. (S'48-A'50-M'55), Piectengr., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.

 CASHAT, SAM D. (S'56-M'58), Electronics Instrumentation Design Engr., Chance-Wught Aircraft, Inc., Dallas, Tex.

 CASHWELL, RUSSELL G., JR. (S'57-M'59), Elec. Engr.,

- CASHWELL, RUSSELL G., JR. (S'57-M'59), Elec. Engr., RCA, Moorestown, N.J.

- CASKEY, HARRY B. (A'36-M'46), Tech. Dir., KYW-TV, Westinghouse Broadcasting Co., NBC Bldg., B15 Superior Ave., Cleveland 14, Ohio.

- Ave., Cleveland 14, Ohio.

 CASKEY, LESLIE F. (5'55-M'57), Engr., Western
 Electric Co., Winston-Salem, N.C.

 CASKEY, ORLIS G. (A'54), Tech. Coordinator, Wright Air
 Development Center Wright-Patterson AFB, Ohio.

 CASKIN, DANIEL D. (S'56-M'5B), Sr. Technician, Alloyd
 Research Corp., 202 Arsenal St., Watertown 72, Mass.

 CASLER, MAX S. (A'54-M'5B), Assoc. Prof. of Engro.,
 Evansville C-liege, 1B00 Luncoin Ave., Tvansville 4, Ind.

 CASOLARO, ROBERT N. (S'50-A'52-M'57), Engrg. Group
 Leader, Design & Dev., RCA Missile & Surface Radar Div.,
 Moorestown, N.J.
- moorestown, N.J.

 CASPAR, CHARLES W., JR. (S'48-A'51-M'56), Dev. Engr., 11T Labs., Nutley 10, N.J.

 CASPER, RALPH (S'55-M'57), Sales Engr., Amperex Electronics Corp., 7440 W. North Ave., Elmwood Park 35, III.
- 35, III.

 CASPER, STUART (S'47-A'49-M'55-SM'58), V.P., Engrg., The Narda Microwave Corp., 118 Herricks Rd., Mineola, L.I., N.Y.

 CASPERS, GEORGE E., JR. (A'42-M'55), Supvr., WHSA-FM, Brule, Wis., Box 333, Lake Nebayamon. Wis.

 CASPERS, JAMES W. (S'4B-A'50-M'56), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif.

 CASS, JULES (A'54), Wolff Motors Co., Inc., 100 Neptune Ave., Brooklyn 35, N,Y.

 CASS, RALPH S. (S'53-A'55), Design & Dev. Engr., Honeywell Controls, Vanderhoof Ave., Toronto 17, Ont., Canada.

- CASSAPOGLOU, CONSTANTINE B. (S'50-A'51-M'58), Elec. Power Engr., Public Power Corp., 30 Chalkokondyli, Athens, Greece.
- Athens, Greece.

 CASSEDY, EDWARD S., JR. (A'52-M'57), Research Assoc., Radiation Lab., The Johns Hopkins Univ., Baltimore, Md.

 CASSELBERRY, ROBERT L. (A'49-M'55), Mgr., Prod. Planning Communications Equipment, GE Co., Syracuse,
- CASSELL, J. LAWRENCE (A'29-VA'39), Dev. Engr., Automatic Fire Alarm Co., 151 W. 15 St., New York 11,
- N.T.
 CASSELL, WALLACE L. (SM'46), Prof., Dept., Elec.
 Engrg., lowa State College, Ames, Iowa.
 CASSELMAN, W. G. BRUCE (A'55), Research Scientist,
 Dept., Neuropathology, New York State Psychiatric Institute, 722 W. 16B St., New York 32, N.Y.

- tute, 722 W. 16B St., New York 32, N.Y.

 CASSIDY, CARL J. (M'5B), Engr., RCA, 11B19 W. Olymoic Bivd., Los Angeles 64, Calif.

 CASSIDY, FRANCIS T. (A'54-M'57), Elec. Engr., Mackay Radio & Telephone Co., 67 Broad St., New York 4, N.Y.

 CASSIDY, JAMES J. (S'55-M'56), Engr., New York Telephone Co., 140 West St., New York 7, N.Y.

 CASSIDY, JOHN J. (S'50-A'51-M'56), Electronics Engr., Dept. of the Army, Signal Corps, 641 Washington St., New York 14, N.Y.

 CASSIDY, JOHN J., J.R. (A'51-M'56), Mgr., Militarized Prods. Div., Tektronix, Inc., Box B31, Portland 7, Ore.

 CASSIDY, JOHN J., 1459), Engr., Western Electric Co., 220 Church St., New York, N.Y.

 CASSIDY, JOSEPH A. (M'59), Contract Administrator, Granite State Machine Co., Inc., 124 Joliette St., Manchester, N.H.
- CASSIDY, MELVIN E. (A'53-M'5B), Electronics Engr., U. S. Atomic Energy Commission, 70 Columbus Ave., New York 23, N.Y.
- New York 23, N.Y.

 CASSIDY, RUSSELL E. (S'51-A'51-M'56), Dev. Engr., McDonnell Aircraft Corp., Box 518. St. Louis, Mo.

 CASSIET, ATILID H. (A'47-M'51), Zavalia 209D 1 "B," Buenos Aires, Argentina.

 CASSIMATIS, DIMITRI J. (A'59), Teacher, St. George's College, 15 Sharia Qait Bai, Heliopolis, Cairo, Egypt.

 CASTAGNARO, DDMINICK (SM'51), Recording Engr., NBC, 30 Rockefeller Plaza, New York 20, N, Y.

 CASTANER, ANTONIO, JR. (S'56-A'5B), 243 W. 109 St., New York 25, N, Y.

 CASTANERA, JUAN R. (M'57), Sr. Engr., Radio Corp. of Puerto Rico, Box 3746, San Juan, Puerto Rico.

 CASTANERA, THOMAS E. (A'54), Sr. Engr., Smith-Corona Marchant, 6701 San Pablo, Dakland B, Calif.

 CASTANIRA, JAMES E. (SM'53), Sales Engr., Sperry Microwave Electronics Co., 11B W. 1st St., Dayton 2, Obio.

- CASTEEL, BOBBY G. (S'56-M'5B), Elec. Engr., Farnsworth Electronics, Ft. Wayne, Ind.
 CASTEEL, MILFORD R. (S'56-M'5B), Quality Control Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church,

- Va.
 CASTELLANI, ALDO E. (M'59), Elec. Engr., Raytheon Mig. Co., Wayland, Mass.
 CASTELLANI, MARIO F. (A'50-M'56), Chief Engr., IRRADIO S. R. L., Via Faravelli 14, Milan, Italy.
 CASTELLANO, JOSEPH G. (S'56-A'57), Jr. Engr., Hazeltine Electronics Div., Little Neck 62, L.I., NY.
 CASTELLI, JOHN P. (A'58-M'58), Electronics Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.
- CASTELLO, RICHARD C. (S'58-M'59), 1335 Thomas Bar-
- CASIELLU, RICHARD C. (S'58-M'59), 1335 Thomas I bour Dr., Eau Gallie, Fla. CASTELLUCCI, ALBERT H.E. (A'55), Capt., USAF, 479th A&E Maint. Sqdn., George AFB, Calif. CASTENHOLZ, FRED E. (A'43-M'45-SM'58), Chief of Police & Supt. of Communications, Police Oept., Walton Jefferson Sts., Muskegon, Mich.
- CASTERLIN, ASA N. (A'54), Instr., Electronics, Wilkes-Barre City Schools, Coughlin High School, Wilkes-Barre, Pa.
- CASTERSON, RONALD H. (S'56-M'58), Electronics Engr., Univ. of California Lawrence Radiation Lab., Box 808, Livermore, Calif.
- CASTILLO, ERNESTO (A'50), Unit Tester A, Hughes Air-craft Co., Fullerton, Calif. CASTILLO, HORACE T. (A'51-M'55), Chief, Biophysical Measurements Sect., Aero Medical Field Lab., Holloman Measuremen AFB, N.M.
- AFB, N.M.

 CASTILLO, PAULO S., JR. (A'53), Assoc. Dev. Engr.,
 Burroughs Research Center, Central Ave., Paoli, Pa.

 CASTLE, CHARLES A., JR. (S'56-A'57), Engr. Asst.,
 Sangamo Electric Co., 117 Converse, Springfield, III.

- CASTLE, CLEMENS X. (A'39-M'47), Dir., Engr., Storer Broadcasting Co., 1177 Kane Concourse, Miami Beach 54, Fla.
- Fla.

 CASTLE, DONALD H. (A'29-SM'45), Mgr., Audio-Video Engro., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 CASTLE, KENNETH J. (S'56-M'5B), Sales, Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 CASTLE, RICHARD A. (S'54-M'57), Electronics Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. CASTLEBERRY, JDHN JR. (M'55), Project Engr., RCA, Camden, N.J.

 CASTLEBERRY, JOHN JR. (M'55), Radar Engr., Dept. of Natl. Defense (Navy), Cartier Sq., Ottawa 4, Ont., Canada.

 CASTMER, ROBERT J. (A'54). Engr.. Bell Tel. Co. of

- Canada.

 CASTNER, ROBERT J. (A'54), Engr., Bell Tel. Co. of Pennsylvania, 416 7 Ave., Pittsburgh 19, Pa. CASTRO, AUBREY E. (M'5B), Research Engr., Electronics, No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio. CASTOR, A. H. (A'52-M'55), Lt. Col., 1633 N.E. 17 Way, Ft. Lauderdale, Fla.

 CASTOR, RICHARD W. (A'52-M'57), Electronics Engr., Argonne Natl. Lab., Box 299, Lemont, III.

 CASTRIGNANO, ROBERT A. (J'4)-A'42-M'52-SM'56), Engr.-in-Che, Special Projects Sect., CBS Labs., 227 High Ridge Rd., Stamford, Conn.

 CASTRIOTA, LIBORIO J. (S'47-M'52-SM'59), Consultant, Polyteclunic Research & Development Co., 202 Tillary St., Brocklyn 1, N.Y.

 CASTRO, ALFREDO A. (S'56-M'59), Engr., RCA Victor
- CASTRO, ALFREDO A. (S'56-M'59), Engr., RCA Victor Argentina S.A.I.C., Paroissien 3960, Buenos Aires, Argentina
- Ameritina CASTRO, PETER S. (S'55-M'59), Scientist, Research ASSOC., Lockheed Aircraft Corp., Sunnyvale, Calif, CASTRO, SALVATORE J. (A'55), Grumman Aircraft & Engrg. Corp., Bethpage, L.I., N.Y.
- CASTRUCCIO, PETER A. (SM'57), Dir., Astronautics Institute, Westinghouse Elec. Corp., Friendship Internati. Airport. Baltimore 27, Md. CASWELL, ARTHUR (A'59), Engr., IBM, Poughkeepsie,

- N.Y.
 CASWELL, CHARLES F. (S'54-M'56), Engr., Raythen
 Mfg.Co., Wayland, Mass.
 CASWELL, GORDON L. (SM'57), Administrative Asst.,
 Aeronautical Radio, Inc., 1700 K St., N.W., Washington, D.C.

- Aeronautical Radio, Inc., 1700 K St., N.W., Washington, D.C.
 CASWELL, JOHN N. (A'42-SM'54), Engrg. Dept. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 CASWELL, JOHN R. (A'55), Head, Transmitter Design Sect., Raytheon Mfg. Co., Bedford, Mass.
 CATALAND, ALFRED A. (S'56-M'57), Capt., USAF. Home: 1131 Florida St., S.E., Albaquerque, N.M.
 CATALANO, ANTHONY L. (S'53-A'55), Engr., Raytheon Mfg. Co., Waltham 54, Mass.
 CATALANO, SEBASTIAN J. (M'55), Engr., Bendix Aviation Corp., 95 & Troost, Kansas City 14, Mo.
 CATALDI, JOHN T. (S'55-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 CATALON, JOSEPH T. (M'50), V.P., Internatl. Rectifier Corp., 1521 E. Grand Ave., El Segundo, Calif. CATALOD, THOMAS J. (M'56), Design & Dev. Electronics Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.
 CATALINO, FRANK M. (M'59), Electronics Engr., Bell Aircraft Co., Buffalo 5, N.Y.
 CATANESE, JOSEPH P. (A'54), Elec. Engr., Reeves Instrument Corp., 215 E. 91 St., New York 28, N.Y.
 CATANIA, CHARLES J. (S'50-A'51-M'57), Audio Electronics Engr., Owner, Catania Sound, 1541 4 St., San Rafael, Calif.
- (ronics Engr., owner, Catalina Sound, 1944 Var., 95m.)
 Rafael, Calif.

 CATANZARITE, FRANCIS J. (A'54), Chief, Electronic
 Reconnaissance Sect., Radiation Reconnaissance Branch,
 Aerial Reconnaissance Lab, Wright Air Development
 Conter. Wright-Patterson AFB. Ohlo
 CATANZARITE, VINCENT O. (S'54-M'57), Jr. Hermetic
 Application Engr., Emerson Electric, B100 W. Florissant,
 St. Louis, Mo.
 CATE, FLOYD M. (M'58), Genl. Sales Mgr., Cannon Electric Co., Los Angeles, Calif.
 CATE, GLENN M. (M'58), Sr. Engr., Texas Instruments,
 Inc., Box 312, Dallas, Tex.
 CATENARO, ROBERT D. (S'53-A'55), Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 CATEORA, JOSEPH V. (M'55), Electronics Engr., Central
 Radio Propagation Lab., Natl. Bureau of Standards, Boulder
 Colo.

- CATER, JOHN R. (S'41-A'44-M'52-SM'57), Design Engr., Tung-Sol Electric. Inc., East Orange, N.J.

 CATES, DALTON R. (S'56-M''59), Engr. on Rotation, Florida Power & Light Co., Miami, Fla.

 CATH, PIETER G. (S'56-M'57), 2380 Ferrwood, Ann Arbor, Mich.

- Arbor, Mich.

 CATHER, JAMES R. (M'59), Engr., Johnson Service Co., 507 E. Michigan, Milwaukee, Wis.

 CATHERS, HUGH W. (A'57), Test Engr., Philoc Corp., 4700 Wissahickon Awe, Philadelphia 44, Pa.

 CATLETT, GRADY F. (M'5B), Electronics Technician (GS-11), U.S. Army Security Agency, Ft. Huachuca, Ariz.

 CATLETT, LOUIS E. (S'51-A'54), Project Engr., USAF Special Weapons Center, Kirland AFB, N.M.

 CATLIN, RICHARD G. (S'55-M'57), System Dev. Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q., Canada.

 CATON, WAYNE J. (M'58), Design & Dev. Engr., RCA,

- CATON, WAYNEJ. (M'58), Design & Dev. Engr., RCA, 200 S. 2nd St., Harrison, N.J.
 CATON, WILLIAM A. (A'45-M'45), Controller, Radio Regulations, Federal Govt., Dept. of Transport, Ottawa, Ont., Canada.
- Unt., Canada.
 CATTAFESTA, WILLIAM M. (S'56-M'57), Design & Dev. Engr., RCA, Camden, N.J.
 CATTANES, EDWARD (A'50-SM'53), Electronic Mfrs' European Agent, Via Cantalupo, Torino, Italy.
 CATTELONA, JUSEPH A. (3'51-M'58), T.cl., Writar, Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro,
- CATTERMOLE, GEORGE B. (S'47-A'49-M'55), Capt., USN, Sr. Naval Instr., U. S. Army Intelligence, M.P. & Special Weapons School, Europe, APO 172, New York,
- N.Y.
 CATTERSON, WILLIAM A. (S'55-M'57), Equipment Engr.,
 Western Electric Co., 99 Church St. New York, N.Y.

- CATTOI, ROBERT L. (A'54), Engrg. Group Head, Collins Radio Co., Cedar Rapids, Iowa. CAUDILL, LOUIS O. (S'56-M'5B), Advanced Dev. Engr., Infrared, Westinghouse Elec. Corp., Box 746, Baltimore,

- Md.
 CAUDLE, L. L., JR. (A'42-M'45), Chief Engr., WSOC Broadcasting Co., Box 2536, Charlotte 1, N.C.
 CAUDLE, ROBERT L. (A'59), Staff Engr., Texas State Network KFJZ-TV, Ft. Worth, Tex.
 CAUFFMAN, JAMES A. (S'55-M'57), 1st. Lt., USAF 6970 Support Group, Ft. Meade, Md.
 CAULEY, THOMAS K. (S'49-A'52-M'57), Technologist, U.S. Steel Applied Research Lab., Monroeville, Pa. CAULFIELD, JOHN T. (A'47-M'55), Sr. Engr., IBM, Owego, N.Y.
 CAULKINS, DAVID C. (A'55-M'58), V.P. Eisler
- CAULKINS, DAVID C. (A'55-M'58), V.P., Eisler Associates, Inc., 242 S. Rexford Dr., Beverly Hills, Calif.

- Associates, Inc., 242 S. Rexford Or., Bevery Hills, Calif.
 CAULKINS, FRANK A. (A'47-M'52), Chief Pilot, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio. CAUSEY, GEORGE D. (M'56), 1539 1/2 S. Bundy Dr., Los Angeles 25, Calif.
 CAUTHEN, IRVIN L. (S'56-M'57), Electronics Engr., Radiation, Inc., Box 37, Melbourne, Fla.
 CAVA, FRANK C., JR. (S'58-A'59), Test Engr., Ford Instrument Co., Long Island City, N.Y.
 CAVALIERE, JOSEPH R. (M'58), Assoc. Engr., Remindton Rand Univac, South Norwalk, Conn.
 CAVALLARI, JOHN D., JR. (S'56-M'58), Elec. Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 CAVANAGH, JOE R. (SM'58), Projects Sect. Head, Electronics Dept., Lear Astronics Div., 3171 S. Bundy Dr., Sarka Monica, Calif.
 CAVANAGH, ROBERT T. (S'44-A'46-M'55-SM'56), Mgr., Military Electronics, Allen B. DuMont Labs., Inc. 750
 Bloomfield Ave., Clifton, N.J.
 CAVANAGH, HUGH D. (A'52), Electronic Technician, Divco Wayne Corp., 9701 Reading Rd., Reading, Ohio.
 CAVANAUGH, JAMES T. (A'54), Electronic Technician Piotless Aircraft (A), Boeing Airplane Co., Seattle 24, Wash.

- Piotless Aircraft (A), Boeing Airplane Co., Seattle 24, Wash.

 CAVANAUGH, JOHN P. (S'56-M'5B), Lt., U\$N, NAESU, Naval Receiving Sta., Washington 25, D.C.

 CAVANNA, AUGUSTUS R., JR. (S'56-M'59), Maj., U.S. Army, Command & Genl. Staff College, Ft. Leaverworth, Kan. CAVE, EUGENE L. (M'58), Electronics Engr., Office of Chief Signal Officer, Washington 25, D.C.

 CAVE, JAMES H. (S'56-A'57), Signal Draftsman, Missouri Pacific Railroad Co., 13 & Olive St., St. Louis 3, Mo.

 CAVELOS, ARTHUR A. (M'54), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 CAVENAUGH, DAVID E. (A'46-M'55), Chief Engr., Saratoga Industries, Ballston Rd., Saratoga Springs, N.Y.

 CAVENDER J. T. (SM'57), Patent Atty., The Natl. Cash Register Co., Main & K Sts., Davton 9, Ohio.

 CAVILEER, FLOYD E. (A'4B), Engrg. Aide, U.S. Naval Air Development Center, Johnsville, Pa.

 CAVINESS, LEWIS L. (S'58-M'59), Customer Engr., IBM, 590 Madison Ave., New York, N.Y.

 CAVEN, ROBERT L. (A'5B), Production Supvr., Engineered Electronics Co., 506 E. 1st St., Sanka Ana, Calif. CAWEIN, MADISON (M'36-SM'43-F'54), V.P., Grimson Color, Inc., 381 4 Ave., New York 16, N.Y.: Office & Electronics Lab., 27 Hussa Pl., Denville, N.J.

 CAWLEY, JOHN H., JR. (S'48-A'50), Research Staff Mem., Genl. Atomic Div., Genl. Dynamics, Box 608, San Diego 12, Calif.

 CAWOOD, J.L. LOWELL (S'42-A'44), Project Engr., The Geotechnical Corp., Box 28277, Dallas 28, Tex.
- CAWOOD J. LOWELL (S'42-A'44), Project Engr., The Geo-technical Corp., Box 28277, Dallas 28, Tex. CAWTHON, ELMER F. (A'44-M'55), Engrg. Supvr., WGN, Inc., WGN-TV, 441 N. Michigan Ave., Chicago 11, III.
- Inc., WGN-TV, 441 N. Michigan Ave., Unicago II., III.
 CAYER, ROLAND E. (S'56-M'58), Production Engr.,
 Microwave Associates, South Ave., Burlington, Mass.
 CAYOUETTE, ROBERT L. (A'55), Engr., Hastings-Raydist,
 Inc., Hampton, Va.
 CAYWOOD, R. WADE (S'37-A'41-M'55-SM'57), Chief
 Engr., James Millen Mfg. Co., Inc., 150 Exchange St.,
 Malden 48, Mass.
- CAYWOOD, THOMAS E. (S'42-A'44-M'46), Partner, Caywood-Schiller Assoc., 203 N. Wabash, Chicago 1, Ill. CAYWOOD, WILLIAM P., JR. (S'42-A'44-M'46-SM'51), Partner, Point Consulting Co., Box 8656, Pittsburgh 21,
- CAZANJIAN, RUDOLPH S. (M'56), Reliability Specialist, Sylvania Elec. Prods., Inc., Mountain View, Calif. CECAL, JOSEPH A. (A'55), Electronics Engr., RCA,
- CECCANTI, LOUIS P. (A'50), Sr. Test Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y. CECCARINI, RAYMOND E. (A'48-M'55), Project Engr., Babcock Radio Engr., Inc., 1640 Monrovia Ave., Costa Mesa, Calif.
- COSTA Mesa, Uaill.
 CECH, EARL J. (M'5B), Electronics Engr., J.V.M. Microwave Co., 9300 W, 47 St., Brookfield, Ill.
 CEDARHOLM, JOHN P. (A'52-M'57), Engr., IBM, Watson Lab., 612 W. 115 St., New York 27, N.Y.
 CEDERBAUM, ISRAEL (SM'53), Research Group Leader, Scientific Dept., Ministry of Defence, Box 7063, Hakirya, Tel-Aviv, Israel
- CEDERBAUM, LAURENCE R. (M'57), Mgr., System Projects, RCA, Moorestown, N.J. CEDERBERG, RICHARD D. (A'55), Test Equipment Design Engr., Motorola, Inc., 2710 N. Clybourn, Chicago 12, III.

- III.

 CEELEN, PETER A. J. (M'56), Engre Asst., Canadian Westinghouse, Longwood Rd., Hamilton, Ont., Canada. CEGELSKI, RONALD M. (A'59), 207-01 94 Ave., Queens Village 2B, L.I., N.Y.

 CEIER, RICHARD R. (S'57-M'58), Production Engr., American Optical Co., Sugar & Eggert Rd., Buffalo, N.Y.

 CELANDER, BENGT (A'56), Comm. Embassy of Sweden, 2247 'R' 'St., N.W., Washinoton B., D.C.

 CELENT, CHRISTOPHER M. (M'58), Asst. Editor Electronic Industries, 56 & Chestnut Sts., Philadelphia, Pa.

 CELIO, TINO. (M'59), Univ. of Rochester Inst. of Optics, Rochester 2O, N.Y.

 CELSI, CHARLES J. (M'56), 1104 N. Dodge, lowa City, lowa.

 CELTO, JOHN E. (S'57-M'58), Research Engr., Convair-
- CELTO, JOHN E. (S'57-M'58), Research Engr., Convair-Astronautics, San Diego, Calif.

- CENCI, ARMAND A. (M'57), Project Engr., Missiles & Space Systems Div., United Aircraft Corp., 400 Main St., East Hartford, Conn.
- CENTANNI, FREDERICK A. (M'5B), Tech. Writer, Sylvania Elec. Prods., Inc., Waltham, Mass. CENTER, MAURICE (SM'57), Operations Mgr., Martin Co., Orlando, Fla.
- CEPAS, PETER J. (M'59), Elec. Engr., RCA, Camden,
- N.J. CEPOI, JON (S'56-M'57), Sales Engr., Westinghouse Elec. Internati., 40 Wall St., New York 25, N.Y. CERANOWICZ, HARRY N. (M'57), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y. CERASOLI, ALFRED (M'59), Electronics Engr., Bethlehem Steel Co., 3075 Richmond Ter., Staten Island 12,
- CERDA, HERNAN E. (A'57), Engr.-in-Chg., Tech., Sect., Banco del Estado de Chile, Av. V. O'Higgins, Santiago, Chile. CERES, GERALD V. (A'53), Chief, Drone Aircraft Systems Branch, U. S. Army Signal Engrg. Labs., Ft. Monmouth,
- N.J.
- N.J.
 CERF, ARTHUR E. (A'54), Pres., Art Cerf & Co., 744
 Broad St., Newark 2, N.J.
 CERIER, MELVIN M. (S'56-M'57), Project Engr.,
 Sylvania Elec. Prods., Inc., 189 8 St., Needham,
 Mass.

- Mass.
 CERIES, R. EDWARD (A'47-M'54), Staff Engr., KSD-TV, 1111 Olive St., St. Louis 1, Mo.
 CERINO, RAPHAEL (S'47-A'49-M'54), Sr. Engr., Sperry
 Gyroccopn Co., Carle Place, L.I., N.Y.
 CERMAK, CHARLES W. (M'52), Asst. Chief Electronics
 Engr., United Mfg. Co., 3401 N. California, Chicago 18,
- CERONE, JAMES R. (M'57), Mathematician Assoc., System Development Corp., Box 302, Lodi, N.J.
 CERRUTI, BENEDETTO A. (5'50-A'50-M'56), Owner-Dir., Cerruti & Associates, 841 Woodside Rd., Redwood City, Calif.

- City, Calif.

 CERTNER, ANDREW (A'54), Copywriter, Ellington & Co., 535 5 Åve., New York 17, N.Y.

 CERVA, CALVIN H. (5'54-A'55), Sr. Engr., Daystrom Instrument, Archbald, Pa.

 CERVENKA, ALAN J. (5'56-M'59), Assoc. Engr., Convair-Astronautics, San Diego, Calif.

 CERVENKA, FRANK J. (A'38-M'46-5M'50), Bureau of Research & Dev., FAA, Washington 25, D.C.

 CERVENY, WALTER J. (B'56), Chief Engr., The Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland B, Olio.

 CERVINI PARED A. (1572)
- CERVINI, ROBERT A. (S'57-A'57), Electronics Dev. Technician, Ramo-Wooldridge Corp., 5500 El Segundo Blvd., Inglewood, Calif.

- Inglewood, Calif.
 CESA-8IANCHI, DOMENICO A. (A'59), Dr., Engrg., S.P.A.
 Olivetti, Borgolombardo, Milano, Italy.
 CESAR, LAWRENCE G. (S'56-M'59), Engr., Varian
 Associates, 611 Hansen Way, Palo Alto, Calif.
 CESCHINI, EUGENE S. (S'55-M'57), Elec. Engr.,
 Pittsburgh Plate Glass Research, Creighton, Pa.
 CETARUK, WALTER K. (A'58), Engrg. Asst., Microwave &
 Antenna Group, RCA, Burlington, Mass.
- Antenna Group, KCA, Burlington, Mass.
 CETKOVSKY, JIRI (A'57), Rescarch Scientist, Research Institute of Radio Telecommunication, Novodvorska 994, Praha 15, Czechoslovakia.
 CETRONE, VINCENT C. (A'47-M'55), Research Engr., Gas Turbine Controls, Sperry Gyroscope Co., Great Neck, L.I., N
- CHABA, PAUL (M'52), Electronics Engr., RCA, Camden,
- N.J.
 CHABER, RICHARD K. (S'47-A'48-M'55), Chief Engr.,
 Microtran Co., Inc., 145 E. Mineola Ave., Valley Stream,
 L.I., N.Y. CHABOT, MARCEL A. (M'56), Engrg, Mgr., Maguire Electric, Ltd., 1304 Maguire, Sillery, P.Q., Canada. CHABOT, RICHARD C. (A'57), Capt., U. S., Army Signal Corps, 234 Sig. Det. 'Intel.,' APO 343, San Francisco, Calif.

- CHARRAN, THOMAS A. (M'5B), V.P., Westmore, Inc., South Ave., Farmwood, N.J.

 CHACE, HOWARD E. (A'5b), Electronic Specialist, American Ontical Co., Southbridge, Mass.

 CHACE, WILLIAM G. (A'55-M'56-SM'59), Physicist, Air Force Cambridge Research Center, Bedford, Mass.

 CHACKAN, HARRY G. (S'58-M'59), Field Service Rep., GE.Co., Syracuse, N.Y.

 CHACRAN, JAY J. (A'57-M'58), Sr. Engr., Sage Labs., Inc., 159 Linden St., Wellesley Bl., Mass.

 CHADBOURNE, H. LINCOLIN (A'43-M'55), Head, Editorial Branch, Navy Electronics Lab., San Diego 52, Calif.

 CHADBOURNE, JAMES D. (S'56-M'58), Systems Design Engr., Chance-Vought Aircraft, Inc., Box 5907, Dallas 22, Tex.

 CHADBURN, WALTER J. (A'59), Mdr., Field Operations.

- 22, Tex.

 CHADBURN, WALTER J. (A'59), Mgr., Field Operations, Electronics & Cable, Robertshaw-Futton Controls Co., Anaheim, Calif.

 CHADEK, THEDDORE J. (A'46-M'55), Sr. Engr., Kaiser Aircraft & Electronics Co., Box 9098, Phoenix, Ariz.

 CHADWELL, WILLIAM L. (S'55-M'59), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 CHADWICK, DUANE G. (M'58), Asst. Prof., Utah State Univ., Logan, Utah.

 CHADWICK, GRORE G. (M'57), Dir., Antenna Lab., Aero Geo Astro Corp., 1914 Duke St., Alexandria, Va.

 CHADWICK, JOSEPH H., JR. (S'47-A'51-M'55), Sect. Head., Systems Analysis, Speny Gyröscope Co., Garden City, L.I., N.Y.

 CHADWICK, MAURICE P. (SM'52), Staff Engr., Electronic
- CHADWICK, MAURICE P. (SM'52), Staff Engr., Electronic Lab., American Machine & Foundry Co., 200 Henry St., Stamford, Conn.
- Stamford, Conn.

 CHADWICK, PHILIP S. (A'44), Mgr., Central Instrument
 Bureau, RCA, Camden, N.J.

 CHADWICK, RICHARD T. (M'56), Cleatronies Engr.,
 Scanner Corp. of America, 30595 W. 8 Mile Rd., Livonia,
 Mich.
- MICH.
 CHADWICK, ROMER F. (A'54), Project Engr., Ryan Aeronautical Co., San Diego 12, Calif.
 CHADWICK, SYDNEY (M'56), Systems Engr., Canadian Marconi Co., 970 McEachran Ave., Montreal, P.Q., Canada.

- CHAFARIS, GEORGE J. (S'44-A'52-M'57), Mgr., Data Processing & Display Component, GE Co., Syracuse, N.Y. CHAFFEE, BERTRAM J. (M'54), Sr. Field Service Engr., Lockheed Missile System Div., Sunnyvale, Calif. CHAFFEE, EMORY L. (M'17-F'21)(L), Prof. Emeritus, Aoplied Physics, Harvard Univ., Cambridge, Mass. CHAFFEE, JOSEPH G. (A'26-M'40-SM'43-F'54), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York, N.Y.

- N.Y.
 CHAFFEE, ROBERT E. (S'41-M'44-SM'52), Project
 Engr., Raytheon Mfg. Co., Wayland, Mass.
 CHAFFEY, DONALD K. (S'58-M'59), Field Engr., Western Electric Co., Graham-Hopedale Rd., Burlington. N.C.
 CHAFFEY, RAMSES (M'56), Export Mgr., Marconi Instruments, Ltd., Longacres, St. Albans, Herts., England.
 CHAFFIN, RICHARD 8. (S'55-M'56), Engr. II, Vertol Aircraft Corp., Morton, Pa.
 CHAFIN, ROY L. (M'56), Research Engr., Jet Propulsion
 Lab., Pasadena, Calif.
 CHAGARIS. CHARIES N. (M'58). Electrogics Engr., Noth-

- Lab., Pasadena, Calif.
 CHAGARIS, CHARLES N. (M'58), Electronics Engr., North-eastern Engrg., Inc., 35 S. Bedford, Manchester, N.H.
 CHAGLA, HASSANALI R. (M'55), Elec. Engr., British In-sulated Callender's Cables, Ltd., Qanar House, Bunder Rd., Karachi 2, Pakistan.
- CHAIKEN, LEON (A'52-M'57), Sr. Engr., Radioplane Div., Northrop Aviation, Inc., 8000 Woodley Ave., Nuys, Calif.

- Nuys, Calif.

 CHAIKIN, MARVIN (A'48), Pres., Communication Devices Co., Inc., 269 E. Shore Rd., Great Neck, L.I., N.Y.

 CHAIKIND, STANLEY L. (S'48-A'51-M'57), Consultant, Dasol Corp., 14 Charitton St., New York, N.Y.

 CHAIMOWITZ, IRVING (M'57), Mathematics Teacher, 84-32 Little Neck Pkwy., Floral Park, L.I., N.Y.

 CHAIRETAKIS, EMMANUEL P. (A'56), 22 Mitilinis St., Athens 8, Greece.

 CHAIT, HERMAN N. (A'55), Electronics Scientist, Microwave Antennas & Component Branch, Electronics Div., Naval Research Lab., Washington, D.C.

 CHAITOFF, MILTON (A'56), Design Engr., Cent., Dynamic, Chall Dynamic, Chall
- Naval Research Lab., Washington, D.C.
 CHAITOFF, MILTON (A'56), Design Engr., Genl. Dynamics Corp., San Diego, Calif.
 CHAKANOVSKIS, ERNESTS (A'53), Experimental Officer, Commonwealth Scientific & Industrial Organization, Chem. Physics, GPO Box 4331, Melboume, Victoria, Australia.
 CHAKERIAN, RALPH (M'57), Engr., Bird Electronic Corp., 1800 E. 38 St., Cleveland 14, Ohio.
 CHAKMANIAN, JACK A. (S'56-A'58), 33 Juniper St., Lawrence, Mass.
 CHAKRAVARTI, S. P. (M'38-SM'43), Kuniakutir, Sundarbagh, Lucknow, India.
 CHALCRAFT, JAMES C. (S'58-A'59), Project Engr., U.S. Army Chemical Corps, Engrg. Command, Army Chemicial Center, Md.

- CHALFANT, DONOVAN A. (S'55-A'58), Electronics Engr., Hughes Tool Co., Culver City, Calif. CHALFIN, NORMAN L. (A'44-M'55), Mem. Tech. Staff & Registered Patent Agent, Hughes Aircraft Co., Fullerton, Calif.
- CHALL, LOUIS E., JR. (M'58), Sr. Electronics Computer Technician, Burroughs Corp., 14300 Tireman, Detroit,
- CHALLENNER, ANSEL (A'52-SM'54), Prof., Univ. of Okiahoma, Norman, Okla.

 CHALLIS, ROBERT (M'57), Design Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canadian Westinghouse Co.
- CHALLIS, WALTER L. (S'43-A'45), Sales Engr., Northern Electric Co. Ltd., 1261 Shearer St., Montreal, P.Q.,

- Canada,
 CHALLSTROM, KENNETH I. (M'56), Project Engr., Erie
 Resistor Corp., 644 W. 12 St., Erie, Pa.
 CHALMERS, DAVID (A'45), Sr. Lecturer, City of Liverpool,
 College of Technology, Bryon St., Liverpool, England.
 CHALMERS, EDWARD D. (A'42-M'55), Chief Engr., TV
 Tuner Div., Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago. III.

- cago, JII.

 CHALMERS, PAUL H. (A'50-M'55), Staff Engr., Lockheed Missiles & Space Div., Sunnyvate, Catif.

 CHALMERS, WILLIAM G. (S'51-A'52-M'56), Sr. Engr., ITT Labs.. Nutley. N. (J'55-M'57), Electronics Engr., RCA, Camden 2, N.J.

 CHALUPA, JOSEPH F. (S'55-M'57), Electronics Engr., RCA, Camden 2, N.J.

 CHAMBERLAIN, ADLOPH 8. (A'27-M'30-F'41), Dir., Engr., CBS-TV, 485 Madison Ave., New York 22, N.Y.

 CHAMBERLAIN, ALBERT T. (S'54-M'56), Design Engr., Tasker Instruments Corp., 3349 Cahuenga Blvd., Hollywood 28, Calif.

 CHAMBERLAIN FBIC (A'58), Chief Mach. Engr. Classew
- wood 28, Calif.
 CHAMBERLAIN, ERIC (A'5B), Chief Mech. Engr., Glasgow
 Corp., 46 Bath St., Glasgow, Scotland.
 CHAMBERLAIN, IRVIN J. (A'47-M'53-5M'57), Dept.
 Chief, Engrg., Western Electric Co., Box 1400, Peony
 Park Sta., Omaha 14, Neb.
- CHAMBERLAIN, LAWRENCE W. (M'59), Application Engr., GE Co., Syracuse, N.Y.

 CHAMBERLAIN, LEO J., (S'52-A'53-M'56), Engr., Genl. Radio Co., 100-28 75 Ave., Forest Hills 75, L.I., N.Y.

 CHAMBERLAIN, PAUL E., (4'43-M'45), Asst. Dir., Crafts, Services & Military Training Directorate, Hgrs., Air Training Command, Randolph AFB, Tex.
- ing Command, Randolph AFB, Tex.
 CHAMBERLAIN, PAUL L. (A'43), Mgr., Mktg., Broadcast-Military, Tech. Prods. Dept., GE Co., Syracuse, N.Y.
 CHAMBERLAIN, WNTTHROP S. (S'51-A'52-M'56), Sr.
 Elec. Engr., Missile & Surface Radar Dept., RCA, 11819
 Olympic Blvd., Los Angeles, Calif.
- UJYMPIC BIVd., Los Angeles, Calif.
 CHAMBERLAND, MAURICE H. (S'57-A'59), Field Service Engr., Datamatic Corp., 151 Needham St., Newton Highlands 61, Mass.
 CHAMBERLIN, JOSEPH C. (S'52-A'54-M'58), Prod. Service Site Supvr., GE Co., Syracuse, N.Y.
 CHAMBERLIN, NEWELL K. (A'43-M'55), Dev. Engr., Atlantic Refining Co., 3144 Passyunk Ave., Philadelphia 45, Pa.

- 45, Pa.

 CHAMBERLIN, RICHARD H. (SM'58), Mgr., Prod. Design Dept., Eitel-McCullough, Inc., San Carlos, Calif.

 CHAMBERS, ALBERT B. (A'49), Mngt. Consultant, Albert B. Chambers, Real Estate, Box 185, Wyckoff, N.J.

 CHAMBERS, CARL C. (A'30-M'42-SM'43), V.P. for Engrg. Affairs, Univ. of Pennsylvania, 107 Towne Bidg., Philadelphia 4, Pa.
- CHAMBERS, DEAN A. (S'55-M'57), Electronics Materiel Officer, USN, USS Haverfield (DER 393), FPO, San Francisco, Calif.

CHAMBERS, DEANE T. (A*55), P.8.X. Installer, Southern Bell tel. & Telegraph Co., 7D8 E. Gwinnette,

- 122 -

- Southern Bell tel. & Telegraph Co., 7D8 E. Gwinnette, CHAMBERS, DONALD R. (S'52-A'55), Design Engr., GE Co., 1605 Winter St., Ft. Wayne, Ind. CHAMBERS, DUDLEY E. (M'41-SM'43-F'48), Mgr. Engrg. Services Research, GE Co., Schenectady 5, N.Y. CHAMBERS, FRANCIS T. III (S'48-A'50-M'55), Asst. Chief Engr., Applied Science Corp. of Princeton, N.J. CHAMBERS, CARDAY S. (ALED).

- Princeton, N.J.

 CHAMBERS, GARRY S. (M'58), Chief, Maint. Control Branch, Pacific Mobile Activity Depot, Northern Air Materiel Area, Tachikawa AFB, Japan.

 CHAMBERS, GEORGE P. (S'55-M'59), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 CHAMBERS, GEORGE R. (A'53-M'57), Mem. Tech. Staff, Space Technology Lab. Div., Ramo-Wooldridge Corp., 5740 Arbor Vitae, Los Angeles 45, Calif.

 CHAMBERS, HAROLD L. (M'57), Field Engr., ElectroData Div., Burruphs Corp., 460 Sierra Madre Villa, Pasadena, Calif.

- Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.
 CHAMBERS, J. DONALD (M'56), Engr., Canadian Arsenals, Ltd., Warden Ave., Toronto 13, Ont., Canadia.
 CHAMBERS, JOHN T. (M'58), Group Head, Propagation Techniques, Hughes Aircraft Co., Box 90902, Los Angeles 45, Calif.
 CHAMBERS, JOSEPH A. (A'28-M'30-SM'43-F'55), V.P., Genl. Mgr., Western Military Center, Motorola, Inc., 8201 E. McDowell, Phoenix, Ariz.
 CHAMBERS, RALPH M., JR. (A'47-M'55), Chief Engr., Barry Wehmiller Machinery Co., 4660 W. Florissant Ave., St. Louis 15, Mo.
 CHAMBERS, RAMON P. (S'56-M'58), Prod. Engr., Sperry Electronic Tube Div., Gainesville, Fla.
 CHAMBERS, ROBERT G. (A'55), Pyrometrist, Aluminum Co. of Canada, Ltd., Kingston, Ont., Canada.
 CHAMBERS, WILLIAM M. (S'50-A'54), 1761 Canfield St., Huntington, Ind.
 CHAMBERS, WILLIAM M. (S'50), Prod. Engr., Raytheon Mfg. Co., Bristol, Tenn.
 CHAMBERS, CARL S. (M'54), Chief, Systems & Components Branch, Naval Ordnance Lab., White Oak, Silver Spring, Md.

- CHAMORRO, RICHARD D. (S'54-A'55-M'55), Staff Engr., Computer Control Co., 2251 Barry Ave., Los Angeles 64, Calif.

- Computer Control Co., 2251 Barry Ave., Los Angeles 64, Calif.
 CHAMOW, MARTIN F. (S'49-A'51), Elec. Engr., Philoc Coro., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 CHAMPEIX, ROBERT P. (SM'58), Engr.-in-Chief, Laboratoires d'Electronique et de, 23, rue du Retrait, Paris, 20e., France.
 CHAMPENY, JOHN C. (S'50-A'52-M'57), Engr., Edgerton, Germeshausen & Grier, Brookline, Mass.
 CHAMPENY, JOHN C. (S'56-M'59), Asst., Prof., Elec. Engrg., Univ. of Minnesota, Minneapolis, Minn.
 CHAMPLIN, KEITH S. (S'56-M'59), Asst., Prof., Elec. Engrg., Univ. of Minnesota, Minneapolis, Minn.
 CHAMPNESS, NORMAN A. (M'50-SM'53), Design Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.
 CHAN, CHAI F. (S'57-M'57), Test Instrument Engr., Librascope, Inc., 40 E. Verdugo Rd., Burbank, Calif.
 CHAN, MICHAEL C. H. (S'55-M'56), Engr., Clevite Transistor Prods., 241 Crescent St., Waltham, Mass.
 CHAN, WARREN W. (A'46), Specialist, Program Planning, GE Microwave Lab., 601 California Ave., Palo Alto, Calif. CHAN, WILLIAM K. W. (S'53-A'56-M'58), Instr., Capitol Radio Engrg. Institute, 16 St. & Park Rd., N.W., Washington 10, D.C.
 CHANCE, BRITTON (M'46-SM'46-F'54), Prof. Dir., Johnson Research Econdation, Livy of Pagnesylvania, 34 &
- Ington 10, D.C.

 CHANCE, BRITTON (M'46-SM'46-F'54), Prof. Dir.,
 Johnson Research Foundation, Univ. of Pennsylvania, 36 &
 Spruce Sts., Philadelphia 4, Pa.

 CHANCEY, W. L. (M'59), Pres., Kemco, Inc., 408 Maple,
 Richardson, Tex.

 CHANDLER, ANSEL M. (A'56), Transmitter Engr., KDKATV, Westinghouse Broadcasting Co., Pittsburgh, Pa.

- I V. Westinghouse Broadcasting Co., Pittsburgh, Pa.
 CHANDLER, ARTHUR H. (A'51-M'57), Chief Engr., CJOR,
 Ltd., 846 Howe St., Vancouver, 8.C., Canada.
 CHANDLER, CHARLES H. (M'47-SM'51), Chief Electronics
 Engr., Gillette Safety Razor Co., Gillette Pk., Boston 6,
 Mass.
- mass,
 CHANDLER, CHARLES W. (S'48-A'50-M'55), Supvr.,
 Microwave Group, Gilfillan Bros., Inc., 1815 Venice
 Blvd., Los Angeles 6, Calif.
 CHANDLER, CLAUDE E. (M'58), Staff Engr., Naval Aviation
 Engrg. Service Unit, Naval Receiving Sta., Washington 25,
 D.C.
- CHANDLER, DONALD P. (S'56-M'58), Preparations Engr., Douglas Aircraft Co., Air Force Missile Development Cen-ter, Holloman AFB, N.M.
- CHANDLER, GEOFFREY A. (A'55), Experimental Officer, CSIRO, Div., Radiophysics, University Grounds, Chippendale, N.S.W., Australia.
- uare, N.S.W., Australia.

 CHANDLER, GEORGE C. (A'43-SM'51), Pres., Radio Sta. CJOR, Ltd., 846 Howe St., Vancouver, 8.C., Canada.

 CHANDLER, HENRY M., JR. (M'47), Project Research Staff, Project Matterhorn, Princeton Univ., Box 451, Princeton, N.J.
- Princeton, N. J.

 Princeton, N. J.

 CHANDLER, HERBERT G. (M'59), Electronics Scientist, Diamond Ordnance Fuze Lab., Washington 25, D. C.

 CHANDLER, JACK A. (A'52-SM'56), Maj., USAF, Sect. Chief, WCLGDLM, Wright Air Development Center, Wright-Patterson AFB, Ohio.

 CHANDLER, JAMES F. (A'46-SM'55), TV Engr., Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, Ill.

 CHANDLER, JOHN JR. (M'57), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 CHANDLER, JOHN A. (A'51), Soundman & Maint., RCA Victor, 1016 N. Sycamore, Hollywood 28, Calif.

 CHANDLER, JOHN A. (A'54), Accounting Methods Supvr., New York Telephone Co., 140 West St., New York 7, N.Y.

- CHANDLER, JOSEPH (S'43-A'46-M'57), Mgr., Senak Co. of America, 90 Anderson St., Portland, Me.
 CHANDLER, NORMAN M. (S'56-M'56), Elec. Engr.,
 Texas Instruments, Inc., 6000 Lemmon Ave., Dallas,
 Tex.
- CHANDLER, RICHARD D., JR. (S'48-A'51-M'57), Field Div. Mgr., Stavid Engrg., Inc., Hwy. 22, Plainfield, N.J. CHANDLER, RICHARD M. (S'56-M'58), Communications Officer, USAF, 651st Communications Sqdn., Shaw AF8, S.C.
- CHANDLER, ROBERT T. (M'57), Test Engr., IBM, Monterey & Cottle Rds., San Jose, Calif. CHANDLER, STACY B. (A'56), Reliability Project Monitor, Convair, Ft. Worth, Tex.

- CHANDLER, VINCENT H. (A'34-VA'39-SM'51), Transmitter Supvr., WCSH-TV; Maine Radio & Television Co., Portland, Me.
- MEC.

 CHANDLER, WILLIAM G. (S'57-M'58), Engr., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.

 CHANDRA, AKHILESHWARI N. (M'58), Engr., Baddow Research Establishments, Marconi's Wireless Telegraph Co., Ltd., Great Baddow, Essex, England.

 CHANES, HENRY (A'46-M'53), Sales Engr., Tek-Sel, 54

 Rte. 17, Paramus, N.J.
- Rte. 17, Paramus, N.J.

 CHANEY, ALBERT L., JR. (A'48-M'55), Technician, Jefferson Standard Broadcasting Co., 1 Jefferson Pl., Charlotte, N.C.

 CHANEY, HARRY L. (M'45), Owner, Operator, Chaney Lab., 1045 Lake Bell Dr., Winter Park, Fla.

 CHANEY, JESSE G. (SM'46), Electronics Prof., U. S. Naval Postgraduate School, Monterey, Calif.

 CHANEY, LUCIAN W. (A'47-M'55), Project Engr., Strand Engra. Co., 1354 N. Main, Ann Arbor, Mich.

 CHANEY, MERLE E. (M'57), Project Engr., Librascope, Inc., 66 S. P.St., Livermore, Calif.

 CHANEY, NATHAN H. (M'58), Instr., Denver Univ., Denver, Colo.

- COIO.
 CHANEY, WILLIAM G. (A'51-M'56), Engr., AT&T Co., 195 Broadway, New York 7, N.Y.
 CHANG, BANSUN (M'55), Research Scientist, Astro.
 Marquardt Aircraft Co., 16555 Saticoy, Van Nuys, Calif.
 CHANG, CHUNG M. (A'55), Sr. Engr., Texas Instruments, Inc., 13500 N. Cerkral Expressway, Dallas, Tex.

- CHANG, CHUNG M. (A'55), F. Engr., Texas Instruments, inc., 13500 N. Certral Expressway, Dallas, Tex.
 CHANG, DAI CHIN (A'42-M'55), Electronics Engr., FAA, Box 4009, Honolulu, Hawaii.
 CHANG, DAVID (S'55-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 CHANG, GEORGE M. (M'57), Sr. Electronics Engr., Convair, San Diego, Calif.
 CHANG, HERBERT K. H. (S'54-M'58), Instr., Elec. Engre. Dept., Univ. of Pittsburgh, Pittsburgh 13, Pa. CHANG, HOWARD H. C. (SM'59), 3640 Mandeville Cyn Rd., Los Angeles 49, Calif.
 CHANG, HSIEN W. (S'52-M'57), Assoc. Engr., IBM Research Lab., Yorktown Heights, N.Y.
 CHANG, HUNG-CHI (SM'58), Aldvisory Engr., Westinghouse Elec. Corp., 7325 Penn Ave., Pittsburgh 8, Pa.
 CHANG, JOSEPH J. (M'58), Elec. Engr., Remington Rand Univac, 1900 W. Allegheny, Philadelphia, Pa.
 CHANG, JOSEPH J. (M'58), Elec. Engr., Pemington Rand Univac, 1900 W. Allegheny, Philadelphia, Pa.
 CHANG, INEN-CHIH (S'47-A'52-M'57), Ragio Communica-

- CAHNG, RAYMOND H. M. (A'50-M'55), Radio Communica-tions Technician, Hawiian Telephone Co., 1130 Alakea St., Honolulu, Hawaii.
- CHANG, SHELDON S. L. (SM'53), Prof., Elec. Engrg., New York Univ., University Hots., New York 53, N.Y. CHANG, SHURMAN Y. (A'50-M'55), Electronics Scientist, U.S. Army Ordnance, Philadelphia 37, Pa.

- U.S. Army Ordnance, Philadelphia 37, Pa.

 CHANG, SZE-HOU (S'd-S-M'52), Prof., Research in Communications, Northeastern Univ., 360 Huntington Ave., 80 ston 15, Mass.

 CHANG, WILBERT H. K. (S'53-M'55), Antenna Research Engr., Lockheed Aircraft Corp., Burbank, Calif.

 CHANG, WILLIAM S. C. (S'56-M'58), Research Assoc., Stanford Electronics Lab., Stanford Univ., Stanford, Calif.

 CHANG, YAON. (M'57), Sr. Research Engr., No. Amer. Aviation, Missile Div., Downey, Calif.

 CHANG, YUAN-FENG E. (S'57-M'59), Asst. Prot., Purdue Univ., West Lafayette, Ind.

 CHANKIN, HAROLD M. (A'56), Elec. Engr., Hundes

- CHANKIN, HAROLD M. (A'56), Elec. Engr., Hughes Aircraft, Los Angeles 45, Calif. CHANNING, WALTER, JR. (A'48), Pres., Background Music Equipment Co., 5 Main St., Natick, Mass. CHANSKY, WILLIAM C. (S'58-A'58), 8ox 313, Solon,

- CHANSKY, WILLIAM C. (S'58-A'58), 80x 313, Solon, lowa.

 CHANTLER, GLENN D. (S'48-A'50-M'58), Field Engr., GE Co., 525 Smithfield St., Pittsburgh, Pa.

 CHANZIT, LAWRENCE (S'43-A'49-M'55), Branch Head, Radar & Communications, The Norden Labs., 121 Westmorefand Ave., White Plains, N.Y.

 CHAO, JUCHI (A'56), Engr., ITT Labs., Nutley 10, N.J.

 CHAO, SHHD. (S'50-A'53-M'57), Genl, Engr., Link Aviation, Inc., Box 1318, Palo Alto, Calif.

 CHAO, STANLEY K. (M'55), Engr., -in-Chg., Sylvania Elec. Prods., Inc., 189 B St., Needham, Mass.

 CHAPA, JOHN (A'56), Project Engr., Reliance Electric & Engrg. Co., 24701 Euclid Ave., Cleveland 17, Ohio.

 CHAPDELAINE, AIME J. (S'58-M'58), Electronics Technician, Internatl. Electronics Engr., Inc., Washington, D.C.

 CHAPEK, HENRY T. (S'51-A'52-M'56), Genl, Del.,
- CHAPEK, HENRY T. (S'51-A'52-M'56), Genl. Del., Brigham City, Utah.
- Brigham City, Utali.

 CHAPEL, IRVING J. (M'48-SM'56), Sr. Engr., Engrg. Standards Coordinator, Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 CHAPELL, HARRY F. (M'56), Sect. Head, Crossed Field Tube Dev. Lab., Raytheon Mig. Co., Burlington, Mass.

 CHAPELLE, WALTER E. (A'53-M'58), Sr. Engr., Research Labs. Div., Bendix Aviation Corp., Box 5115, Detroit 35, Mich.
- CHAPIN, DONALD W. (A'51-M'57), Research Engr., Taylor Instrument Co., 95 Ames St., Rochester, N.Y. CHAPIN, EDWARD J., JR. (M'57), Electronics Engr., USAF, Griffiss AFB, N.Y.
- CHAPIN, EDWARD W. M'45-SM'55), Chief, Lab. Div., FCC, Box 31 Laurel, Md. CHAPIN, GEORGE G. (M'56), Asst. Dept. Mgr., Remington Rand Univac, St. Paul 16, Minn.
- CHAPIN, HAROLD E. (M¹58), Administrator, Radio Communications, U. S. Govt., 2430 E. St., N.W., Washington, D.C. CHAPIN, JOHN H. (S'55-M'57), 1st Lt., USAF, Electronics Engr., Eastern GEEIA Region, Brookley AFB, Mobile, Ala. CHAPIN MERRILL R. (M'45), Regional Mgr., Commercial Profs. Dept., GE Co., 1808 S. Hanley Rd., St. Louis 17, Mo.
- CHAPIN, ROBERT G. (M'56), Project Engr., Special Devices Div., Lockheed Air Service, Ordario, Calif. CHAPIN, ROSS C. (M'54), V.P., Associated Radio Service Co., 3508 Love Field Dr., Dallas 35, Tex.
- CHAPIN, WELLS R. (SM'58), 942 Arden Lane, 8imingham,
- CHAPIN, WILLIAM T. (SM'58), Mgr., System Equipment Engrg., GE Co., Syracuse, N.Y.

CHA-CHE - 123 -

- CHAPLIN, NORMAN J. (A¹53), Mem. Tech. Staff, Bell. Tel. Labs., Union Blvd., Allentown, Pa. CHAPLINE, JOSEPII D., JR. (A¹51-M¹56), Scct. Mgr., Tech. Systems Planning Group, Research Div., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. CHAPMAN, ALAN B. (4729-VA¹39-M¹55), Lone Star Electronics Co., Box 8307, Dallas 5, Tex.

- Electronics Co., Box 8307, Dallas 5, Tex.
 CHAPMAN, ALLAN K. (M'50), Radio Supt., Hqrs., USAF,
 Europe, APO 12, New York, N.Y.
 CHAPMAN, ARTHUR C. (S'53-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 CHAPMAN, BENJAMIN R. (S'55-M'57), Engr., Litton
 Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 CHAPMAN, C. NORMAN (A'43-M'51-SM'58), Mgr., Engrg.
 Tube Div., RCA Victor Co., 1001 Lenoir St., Montreal,
 P.Q., Canada.
- CHAPMAN, CARL W. (S'49-A'50-M'55), Elec. Engr., Shell Development Lab., 3737 Bellaire, Houston 25, Tex.

 CHAPMAN, CHANNING M. (M'56), Sr. Electronics Engr., 1TT Labs., Nutley 10, N.J.

 CHAPMAN, CHARLES M. (S'48-A'50-M'55), Physicist, Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

- CHAPMAN, CLAUDE W. (SM'53), Engrg. Sect. Head, No. Amer. Aviation, Downey, Calif.
 CHAPMAN, DARRELL M. (5'56-M'56), Box 23, 11444
 Olympic Blvd., West Los Angeles, Calif.
 CHAPMAN, DAVID C. (5'49-A'50-M'56), Genl. Field
 Engr., Schlumberger Well Surveying Corp., 308 E. 12, Hays. Kan.
- Hays, Kan., ChAPMAN, DONALD J. (M'59), Assoc. Engr., Prod. Dev. Lab., IBM, Poughkeepsie, N.Y.
 CHAPMAN, FREDERICK W. (S'36-A'4D-SM'51), Sr. Engr., Research Labs. Staff, GMC, Box 188, North End Sta., Detroit 2, Mich.
- DETOIL 2, MICH.
 CHAPMAN, GEORGE H. (M'51), Chief, Operations Branch, Internati. Broadcasting Service, U. S. Information Agency, Washington, D. C.
 CHAPMAN, HOWARD R. (S'48-A'50), Research Engr., Rocketdyne, No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.

- Lanoua Park, Lalif.
 CHAPMAN, J. EDWARD, JR. (S'55-M'56), Jr. Engr.,
 Southern Bell Tel. & Tel., Birmingham, Ala.
 CHAPMAN, JAMES K. (A'44-SM'50), Mgr., Ground Electronics Control System Engrg., HMED, GE Co.,
 Syracuse, N.Y.
- CHAPMAN, JOHN H. (S'54-A'52-SM'57), Radio Physicist, Defense Research Telecommunications Est., Defense Re-search Board, Dept. of Natl. Defense, Ottawa, Ont., Canada.
- CHAPMAN, LLOYD B. (A'48-M'53), Industrial Sales Engr., Warren Radio Co., 1002 Adams St., Toledo 2, Ohio.
- CHAPMAN, LYLE J. (S'51-A'51-M'58), Engr., RCA,

- CHAPMAN, LYLE J. (S'51-A'51-M'58), Engr., RCA, Moorestown, N.J.
 CHAPMAN, NORMAN W. (S'57-M'59), Engr., Link Aviation, Inc., Palo Alto, Calif.
 CHAPMAN, PAUL L. (M'58), Supvy. Designer, Instruments For Industry, 101 New South Rd., Hicksville, L.I., N.Y.
 CHAPMAN, PAUL W. (S'55-M'57), Communications
 Officer, Naval Supply Center, Norfolk, Va.
 CHAPMAN, PHILIP W. (M'57), Systems Engr., Ama Div., American Bosch Arma Corp., Garden City, L.I., N.Y.
 CHAPMAN, RICHARD F. (A'48-M'49), Project Engr.,

- N.Y.
 CHAPMAN, RICHARD F. (A'48-M'49), Project Engr.,
 ITT Labs., Nutley 10, N.J.
 CHAPMAN, ROBERT W. (A'53-M'58), Design Engr.,
 Missile Systems, Westinghouse Elec. Corp., Friendship
 Internatl. Airport, Baltimore 27, Md.

- Internatl, Airporf, Baltimore 27, Md.
 CHAPMAN, ROBERT Y. (M¹59), 28 South Rd., Poquonnock Bridge, Conn.
 CHAPMAN, ROGER C., JR. (S¹53-A¹55), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.
 CHAPMAN, RONALD (A¹58), Circuit Design & Dev., Natl.
 Research Council, Radio & Elec. Engrg., Sussex Dr., Ottawa
 2, Ort., Canada.
 CHAPMAN, RONALD H. (S¹56-M¹57), Elec. Engr.,
 Motorola, Inc., 4545 Augusta Blvd., Chicago, Ill.
 CHAPMAN, SEVILLE (A¹41-M²46-SM³22), Dir., Physics
 Div., Cornell Aeronautical Lab., 4455 Genesee St.,
 Buffalo 21, N.Y.
 CHAPMAN, SIDNEY J. (A¹55-M¹57), Sun Life of Canada,
- Dutrato 2.1, N.Y.
 CHAPMAN, SIDNEY J. (A'55-M'57), Sun Life of Canada, Box 6075, Montreal, P.Q., Canada.
 CHAPP, JOHN M. (S'50-A'51-M'57), Staff Engr., Lytle Engra, & Mfg. Co., 1404 San Mateo Blvd., S.E.,
 Albuquerque, N.M.
- Albuquerque, N.M.
 CHAPPELL, IAN C. (A'54), Engr.-in-Chg., Sylvania Data Processing Lab., Needham, Mass.
 CHAPPELL, JOHN F. (A'43-M'58), Chief, Interferics Branch, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 CHAPPUIS, CYRIL K. (SM'54), Communication Engr., Exec. Office of the President, Office of Civil & Defense Mobilization, Washington 25, D.C.
- CHAPSKY, JACOB (M*58), Project Engr., Behlman Engrg. Co., 2911 Winona Ave., Burbank, Calif. CHAPSON, ERNEST (A*56), 32 Hill Lane, Southampton,
- CHARALAMPOUS, TELE D. (S'57-M'59), 4 Photila, Egion,
- Greece.
 CHARAS, SEYMOUR (S'55-M'58), Engr., American Bosch
 Arma Corp., Garden City, L.I., N.Y.
 CHARASZ, GEORGE J. (S'55-M'57), Engr., MinneapolisHoneywell Regulator Co., Inc., DATAmatic Div., 151
 Needham St., Newton Highlands 61, Mass.
- Needham St., Newton Highlands Dt., Mass.
 CHARBONNEAUX, WILSON A. (SM'155), Pres. & Genl Mgr.,
 WacLine, Inc., 35 S. St. Clair St., Dayton 2, Ohio.
 CHARBONNIER, FRANCIS M. (M'59), Tech. Asst. to Dir.,
 Linfield Research Institute, McMinnville, Ore.
 CHARFOLE, RAFAEL O. (S'55-A'56), Chief Engr., Accion
 Cultural Popular, Bogoda, Colombia.
 CHARLES, RANDOLPH E. (SM'58), Consulting Engr.,
 Randolph E. Charles, Engrg. Associates, 12 Gordon St.,
 Waltham 54, Mass.

- Waltham 54, Mass.
 CHARLESON, WILLIAM A. (A'57), Research Engr., Heriot-Watt College, Chambers St., Edinburgh 1, Scotland.
 CHARLESTON, STEPHEN M. (S'58-M'59), Field Engr., Teleregister Corp., Stamford, Conn.
 CHARLESWORTH, LAWRENCE M. (A'56-M'59), Asst.
 Chief Engr., Texas Telecasting Corp., KDU8-KDUB-TV, KPAR-TV, 7400 College Ave., Lubbock, Tex.

- CHARLTON, ALEXE. (A'56), Pres. & Dir., Research, Photoceramics, Inc., 1060 W. Front St., Cincinnati 3, Ohio.
- Ohio.

 CHARLTON, JOHN (A'47-M'55), Engrg. Sect. Head, Sperry Gyroscope Co., Inc., Great Neck, L.I., N.Y.

 CHARMATZ, ALBERT W. (S'50-A'53-M'59), Lt., Nuclear Power Branch, E.R.D.L., Ft. Belvoir, Va.

 CHARNLEY, EDWIN (S'56-A'59), Electronics Engr., Raytheon Mfg. Co., Andover, Mass.

- CHARNLEY, EDWIN (5'56-A'59), Electronics Engr.,
 Raytheon Mfg. Co., Andover, Mass.
 CHARNOCK, LESTER J. (SM'52), Tech. Dir., Deputy
 Chief of Staff Operations, Wright Air Development Center,
 Wright-Patterson AFB, Ohio.
 CHAROW, WALTER J. (S'49-A'51-M'56), Dev. Engr., Lab.
 for Electronics, Inc., 75 Pitts St., Boston 14, Mass.
 CHARP, SOLOMON (A'43-M'44-SM'50), Sr. Staff Engr.,
 Franklin Insitute Lab. for Research & Development, 20 St.
 & Pkwy., Philadelohia 3, Pa.
 CHARPENTIER, DOUGLASS E. (M'51), Sr. Research Engr.,
 Consolidated Electrodynamics Corp., 300 N. Sierra Madre
 Villa, Pasadena 8, Calif.
 CHARRON, JOSEPH H. A. (A'53), Industrial Draughtsman,
 Canadian Aviation Electronics (W), 387 Sutherland Ave.,
 Winnipeg, Man., Canada.
 CHARTERS, ROBERT L. (M'59), Research Engr., Boeing
 Airplane Co., Seattle, Wash.
 CHARTOFF, MAURICE (A'50-M'56), Sr. Electronics Engr.,
 ITT Labs., Nutley, N.J.
 CHARTONF, PHILIP (M'56), Engr., Arma Div., American
 Bosch Arma Corp., Garden City, L.I., N.Y.
 CHARTON, PAUL W. (A'29-SM'55), Consultant, GE Co.,
 Advanced Electronics Center, Cornell Univ., Ithaca, N.Y.
 CHARTON, SEYMOUR (A'43-M'51), Electronics Engr.,
 RCA, Moorestown, N.J.
 CHARVOZ, PAUL L. (S'54-M'55), Sr. Test Engr., Convair,
 Fill World, Ex.

- KLA, Moorescown, N.J.
 CHARVOZ, PAUL L. (S'54-M'55), Sr. Test Engr., Convair, Ft. Worth, Tex.
 CHASE, ALLEN 8. (M'57), Jr. Engr., IBM, 99 Notre Dame St., San Jose, Calif.
 CHASE, ARTHUR E. (A'54), Owner, Arthur E. Chase High Fidelity Salon, 965 Farmington Ave., West Hartford 7,
- Conn.

 CHASE, BYRON G. (A'56), Asst. Operations Mgr., Army/
 Mavy Contracts, Tech Rep. Div., Philoo Corp., 22 St. &
 Lehigh Ave., Philadelphia 34, Pa.
 Lehigh Ave., Philadelphia 34, Pa.
 HASE, CARL T. (SM'46), Coordinator of Planning, Franklin
 Institute Labs. for Research & Development, 20 St. &
 Pkwy., Philadelphia 3, Pa.

 CHASE, DAVID G. (S'42-A'44-M'55), Electronics Engr.,
 Air Force Cambridge Research Center, Bedford, Mass.

 CHASE, IIUGH E. (S'58-M'59), Elec. Engr., Servo
 Systems, Jet Propulsion Lab., 4800 Oak Grove Dr.,
 Pasadena, Calif.

 CHASE I. BICHARD (M'58). Asst. Head. Publications

- Pasadena, Calif.
 CHASE, L. RICHARD (M'58), Asst. Head, Publications Dept., Litton Industries, Beverly Hills, Calif.
 CHASE, LAURENCE I. (S'56-M'58), Assoc. Research Engr. 'A' Boeing Airplane Co., Seattle, Wash.
 CHASE, NORMAN C. (A'45-M'55), Electronics Engr., Electro Optical Systems, 170 N. Dalsy St., Pasadena, Calif.

- Calif.

 CHASE, PAUL W. (M'57), Design Engr., Mech. Dev. Lab., Quaker Oats Co., 205 Water St., Akron B, Ohio.

 CHASE, ROBERT C. (A'44-M'55), Field Service Engr., Sperry Gyroscope Co., San Francisco, Calif.

 CHASE, ROBERT L. (A'48-M'55), Electronics Engr., Brookhaven Natl. Lab., Upton, L.I., N.Y.

 CHASE, ROLAND H. (A'54), Sr. Engr., Westinghouse Elec. Corp., Baltimore, Md.

 CHASE, RUSH F. (S'37-M'46), Elec. Engr., Boeing Airplane Co., Seattle 14, Wash.

 CHASE, WALLACE P. (S'50-A'51-M'57), Project Mgr., Librascope, Inc., 808 Western, Glendale 1, Calif. CHASE, WARREN C. (M'56), Chief Engr., WDCy Broad-

- Librascope, Inc., 808 Western, Glendale 1, Calif.
 CHASE, WARREN C. (M'56), Chief Engr., WDEV Broadcasting Corp., 9 Stowe St., Waterbury, Vt.
 CHASE, WARREN H. (SM'51), V. P., Ohio Bell Tel. Co.,
 750 Huron Rd., Cleveland 15, Ohio.
 CHASEK, MARVIN B. (S'53-A'55), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 CHASEK, NORMAN E. (S'51-A'52-M'57), Mem. Tech.
 Staff, Bell Tel. Labs., Holmdel, N.J.
 CHASINOWITZ, GOERGE (S'44-A'45-M'55), Sr. Design
 Engr., Support Equipment Design Group, Convair, San
 Diego, Calif.
 CHASKIN, HERBERT (A'52-M'57), Electronics Engr.,
- Diego, Calif.

 CHASKIN, HERBERT (A'52-M'57), Electronics Engr., Special Devices Center, Sands Point, L.I., N.Y.

 CHASKIN, WILBUR S. (A'59), Lab. Dir., ITT Labs., 937 Commercial St., Palo Alto, Calif.

 CHASNOV, BERNARD (A'44-SM'55), Sr., Project Engr., U. S. Army Engrg. Research & Dev. Labs., Far Infrared Branch, Ft. Belvoir, Va.

 CHASSIN, CHESTER A. (S'57-M'58), 917 N. Witherspoon, Kokomo, Ind.
- Kokomo, Ind.
 CHASTAIN, JACK 8. (S'56-M'58), Research Asst., Georgia Tech. Engrg. Experiment Sta., Atlanta 13, Ga.
 CHASTEEN, JOSEPH W. JR. (A'44-M'48-SM'56), Group Engr., Airborne Electronics Div., Martin Co., Orlando, Fla.
- UTIANDO, FIA.

 CHASTEEN, PAUL C. (S'57-M'59), Project Engr., U.S. Army Ordnance Missile Command, Redstone Arsenal, Ala.

 CHATELAIN, MAURICE G. (M'57), Sr. Electronics Engr., Electronic Research & Advanced Systems, Convair, San Diego, Calif.
- CHATER, MICHAEL L. (A'57), Sales Rep., GE Co., Edmore, Mich.
- CHATER, MICHAEL L. (A'57), Sales Rep., GE Co., Edmore, Mich.
 CHATFIELD, GURDON F. (A'56), Design Engr., Melpar, Inc., 2000 Arlington Blvd., Falls Church, Va.
 CHATFIELD, MILES B. (SM'57), Missile Engr., Douglas Aircraft Co., 25 St. & Ocean Pk., Santa Monica, Calif.
 CHATFIELD, NORMAN V. (A'58), Lt., USN, ASS. Electronics Officer, US Naval Gun Factory, Washington 25, D.C.
 CHATT, RODRICK H. (S'56-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 CHATTEN, JOHN B. (S'50-A'51-M'56), Research Mgr., Philoc Corp., C & Tioga Sts., Philadelphia 44, Pa.
 CHATTERJEE, AMIYAK. (S'48-A'48-M'50-SM'57), Vice-Principal, Head, Elec. Engrg. Dett., Birla Engrg. College, Pilani, Jarpur State, India.
 CHATTERJEE, MRS. RAJESWARI (S'48-A'49-M'55), Lecturer, Dept. of Elec. Communication Engrg., Indian Institute of Science, Bangalore 3, India.
 CHATTERJEE, SISR KUMAR (A'41-M'46), Dept. of Elec. Comm. Engr., Indian Institute of Science, Malleswaram, Bangalore, South India, India.

- CHATTERJEE, SYAMA D. (M¹49-SM¹50), Prof., Physics, Jadavpur Univ. Home: 91 Ballygunge Pl., Calcutta 19, India.

- Jadaypur Univ. Home: 91 Ballygunge Pri., Calcutta 19, India.

 CHATTERTON, EARL L. (SM'51), Sect. Head, American Bosch Arma Corp., Garden City, L.I., N.Y.

 CHATTERTON, EDWARD J. (A'51-M'57), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 CHATTERTON, JOHN B. (M'56), Chief Engr., Electronics Div., Moeller Instrument Co., Richmond Hill 18, L.I., N.Y.

 CHAUCHAT, J. N. (M'46), Dir., & Genl., Mgr., Metox, 86 Rue Villiers de l'Isle Adam, Paris 20, France.

 CHAUDHARI, ABDUL L. (S'58-A'59), Demonstrator, Univ. of Toronto, Toronto, Ont., Canada.

 CHAUHAN, MORARJI V. (M'57), Genl. Mgr., Visram Motors, Visram Bldgs., Rajahmundry, India.

 CHAUVIERRE, MARC (SM'47), Consulting Engr., Ingenieur-Conseil, Le Belvedere, 7 Ave. Le Notre, Vaucresson, Seine et Oise, France.

 CHAUVIN, DAVID M. (A'53-M'58), Mem., Goodyear Aircraft Corp., Litchfield Park, Ariz.

 CHAVANNES, THEODORE E. (M'58), 1557 Beacon Ave., Anaheim, Calif.

 CHAVARRIA, JAMES N. (SM'56), Supr., Armanent Control, American College Control, Calif

- Anaheim, Calif.
 CHAVARRIA, JAMES N. (SM'56), Supvr., Armament Control, Autonetics Div., No. Amer. Aviation, Downey, Calif.
 CHAYKOWSKY, OREST C. (S'54-M'55), Project Engr., Genl. Devices, Inc., 8ox 253, Princeton, N.J.
 CHAYS, SEYMOUR (S'47-A'50-SM'55), Sr. Applications Engr., W.L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

- 1, N.Y.

 CHAZOTTE, MILTON M., JR. (S'53-A'54), Asst. Research Group Engr., Convair, San Diego 12, Calif.

 CHEADLE, J. NORMAN (A'44-M'46-SM'58), Prof., Elec. Engrs., South Dakota State College, Brookings, S.D.

 CHEAL, JAMES (M'57), Project Engr., Bendix Aviation

 Corp., Research Div., Box 5115, Detroil 35, Mich.

 CHEATHAM, THOMAS P., JR. (A'52-SM'54), Dir., Research, Melpar, Inc., 43 Leon St., Boston, Mass.

 CHECKETTS, DARRELL A. (S'56-M'58), Assoc. Engr., Lockheed Missile System Div., 7701 Woodley Ave., Van

 Nuys, Calif.

 CHECKETTS. ELWIN L. (A'54), Flec. Engr., Sandia Corp.

- Nuys, Calif.
 CHECKETTS, ELWIN L. (A'54), Elec. Engr., Sandia Corp.,
 Sandia Base, Albuquerque, N.M.
 CHEDAKER, JOSEPH (S'42-A'44), 453 Twicken Ham Rd.,
 Glenside, Pa.
 CHEEK, ROBERT C. (M'47), Mgr., Industrial Electronics
 Dept., Westinghouse Elec. Corp., 2519 Wilkens Ave.,
 Baltimore 3, Md.

- Dept., Westinghouse Elec. Corp., 2019 Wilkens AVe., Baltimore 3, Md.
 CHEEK, WILLIAM A. (A'53), Industrial Engr., Steel Co. of Canada, Wilcox St., Hamilton, Ont., Canada.
 CHEESEMAN, PHILIP R. (A'53), Controls Engr., Princeton-Penn Accelerator, Princeton Univ., Princeton, N.J.
 CHEILHAM, RODGER P. (S'49-4'51-M'56), Radar Systems Project Leader, RCA, Moorestown, N.J.
 CHEILK, PHILIP (M'56), Dev. Engr., ITT Labs., Nutley 10, N.J.
 CHELCREN, ARVID E. (J'39-A'41-SM'55), Engr., Advanced Dev. Group, Zenith Radio Corp., 6001 W.
 Dickens Ave., Chicago, III.
 CHELLSTORP, THORVALD S. (S'56-M'58), Elec. Engr., Philoc Corp., 3875 Fabian Way, Palo Alto, Calif.
 CHEMACK, SOLOMON (S'57-A'57), Field Service Engr., Westinghouse Elec. Corp., Box 746, Internatl. Airport, Baltimore 3, Md.
 CHEN, CHIH-HD (M'59), Engr., Charles A. Maguire &
- CHEN, CHIH-HO (M'59), Engr., Charles A. Maguire & Associates, Engrs., 1100 Turks Head Bldg., Providence, R.I.
- Associates, Engrs., 1100 Turks Head Bidg., Providence, R.I.

 CHEN, DEH-BIN (A'55-M'58), Design Dev. Engr., RCA, Camden, N.J.

 CHEN, H.C. (S'54-M'57), Radio Elec. Project Engr., Pan American World Airways, Internatl. Airport, Miami, Fla.

 CHEN, KAN (S'52-A'55), Advisory Engr., Westinghouse Elec. Corp., Box 10596, Pittsburgh 35, Pa.

 CHEN, ROBERT K. (M'55), Application Engr., Tung-Sol Electric, Inc., 200 Bloomfield Ave., Bloomfield, N.J.

 CHEN, TSUNG-SHAN (A'48-M'55), 39 W. 84 St., New York 24, N.Y.

 CHEN, TUNG C. (S'44-A'45-SM'54), Dept. Mgr., Burroughs Corp., Research Center, Paoli, Pa.

 CHEN, WAYNE H. (S'49-A'452-M'57), Prof., Elec. Engrg., Univ. of Florida, Gainesville, Fla.

 CHEN, YMNG C. (A'59), Mgr. & Service Depot Engr., Eastem Sales & Engrg., Co., 10 Queen's Rd. Central, Hong Kong, China.

 CHEN, YUNG M. (S'53-M'56), Design Engr., RCA, Camden, I.J.

- CHEN, YUNG M. (S'53-M'56), Design Engr., RCA, Camden,
- CHEN, YUNG M. (S'53-M'56), Design Engr., RCA, Camden, II.J.
 CHENAULT, HARRISON P. (A'42), Field Engr., Earl Lipscomb Associates, Box 7084, Dallas 9, Tex.
 CHENERY, PETER J. (S'40-A'43-M'49-SM'53), Dir., Research & Dev., Wright Machinery Co., Durham, N.C.
 CHENEY, ARTHUR G. (A'56), Test Engr., Convair, Box 1950, San Diego 12, Calif.
 CHENEY, CARLISLE (A'59), Electronics Technician, Alto Scientific Co., 855 Commercial St., Palo Alto, Calif.
 CHENEY, EDWARD A. (S'50-A'52-M'58), Electronics Scientist, Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 37, Pa.
 CHENEY, FRANK H. (M'56), Field Engr., Bendix Aviation Corp., Towson 4, Md.
 CHENEY, JOHN O. (S'54-M'55), Engr., Collins Radio Co., Cedar Rapids, lowa.
 CHENEZ, ROBERT D. (A'52-M'57), Elec. Engr., Raytheon Mig. Co., Wayland, Mass.
 CHENG, BENJAMIN K. (S'53-A'54), Chief Test Engr., Stanley Transformer Co., 31-23 Vermon Bivd., Long Island City 6, N.Y.
 CHENG, CHUNG C. (S'50-A'53), Engr., RCA, Harrison, N. 1

- CHENG, CHUNG C. (S'50-A'53), Engr., RCA, Harrison,
- N.J. CHENG, DAVID K. (S'44-A'48-M'48-SM'50), Prof., Elec. Engrg. Dept., L. C. Smith College of Engrg., Syracuse Univ., Syracuse 10, N.Y. CHENG, K.Y. (A'42-M'55), Dir. Cheng Electronic Co., 5326 N. W. 17 Ave., Miami 42, Fla. CHENG, THEODORE (A'52-M'57), Assoc. Scientist, Leeds & Northrop Co., 4901 Stenton Ave., Philadelphia 44, Pa. CHENG, TSUNG-HSIEN (M'56), Design Engr., IBM, Fndicott. N.Y.
- Endicott, N.Y.
 CHENOWETH, ARTHUR G. (M'59), Sr. Scientist, Lockheed
 Aircraft Corp., 8ox 504, Sunnyvale, Calif.
 CHENOWETH, JACK A. (M'55), Chief Engr., TV Sta.
 KETC, 6996 Millbrook Blvd., St. Louis 19, Mo.

- CHERER, MICHAEL J., JR. (S'49-A'53-M'58), Radar Engr., Emerson Electric Mfg. Co., 8100 W. Florissant, St. Louis, Mo.
- St. Louis, Mo.

 CHERETAKIS, ARCYRIS P. (A'55), Engr., European Organization Nuclear Research CERN, Proton Synchrotron Div., Cern, Geneva 23, Switzerland.

 CHERIAN, EDWARD J. (S'54-M'5B), Lt., USAF, Research Engr., Area B, Box 7847, Wright Air Development Center, Wright-Patterson AFB, Ohio.

 CHERMELY, CHRISTIAN (S'56-A'57), Elec. Engr., Clark Controller Co., 1146 E. 152 St., Cleveland 10, Ohio.

 CHERNEGA, IDMN (S'58-M'50), Engr. Scappy Controller Co.

- CHERMELY, CHRISTIAN (\$156-A157), Elec. Engr., Clark Controller Co., 1146 E. 152 St., Cleveland 10, Ohio. CHERNEGA, JOHN (\$158-M159), Engr., Spery Gyroscope Co., Great Neck, L.I., N.Y.
 CHERNEY, JOSEPH F. (\$149-A150-M157), Project Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. CHERNEY, ROBERT W. (\$149-A152-M157), Group Leader, Autonetics Div., No. Amer. Aviation, Downey, Calif. CHERNIACK, A. EARL (\$157-M159), Research Engr., Jet Propulsion Lab., California Institute of Technology, 4BOO Oak Grove Dr., Pasadena, Calif. CHERNIACK, A. EARL (\$157-M159), Test Engr., Westinghouse Elec. Corp., Baltimore, Md. CHERNIKOFF, HARRY (M159), Test Engr., Westinghouse Elec. Corp., Baltimore, Md. CHERNIKOFF, RUBE (M1577), Head, Human Engr., Research Sect., Engr., Psyshology Branch, U. S. Naval Research Lab., Washington 25, D. C. CHERNIN, M. G. (SM157), Sr. Mem. Tech. Staff, Micro wave Lab., Hughes Aircraft Co., Culver City, Calif. CHERNIK, Set Wishology Branch, U. S. Naval Research Lab., Washington (\$152-A154), Electronics Engr., U. S. NATC (C.vil Service), Patuxent River, Md. CHERNISH, GEORGE C. (SM158), Chm. of Bd., Pres., Electronics & Television Schools of California, 5355 Long Beach Blvd., Long Beach S., Calif. CHERNOF, JOSEPH, Pl. (\$150-A151-M157), Infrared Projects Engr., Genl. Engrg. Lab., GE Co., Schenectady, N.Y.

- N.Y.
 CHERNOF, JOSEPH, JR. (S'49-A'49-M'54), Project Engr., Bell Aircraft Corp., 8ox J., Buffalo 5, N.Y.
 CHERNOFF, DANIEL P. (S'55-M'5B), Patent Attorney, 1519 Upshur St., N.W., Washington 11, D.C.
 CHERNOFF, RALPH C. (M'59), Electronics Engr., Univ. of California Lawrence Radiation Lab., Livermore, Calif.
 CHERNOSKY, EDWIN J. (A'43-M'49), Chief, Geomagnetics Analysis, Geophysical Research Directorate, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.
 CHERNOW, MORRIS 8. (A'27-M'45), Supvy. Electronics Engr., Signal Equipment Support Agency, Coles Area, Ft. Monmouth, N.J.
- CHERNYSHOV, VLADIMIR N. (S'54-M'56), Device Engr., Transitron Electronic Corp., Albion St., Wakefield, Mass. CHERPACK, JOHN, JR. (A'51-M'56), Pres. & Chief Engr., Mahoning Valley Broadcasting Corp., WBBW, Warner Theatre Bidg., 260 W. Federal St., Youngstown 3, Ohio.
- Bldg., 260 W. Federal St., Youngstown 3, Ohio.
 CHERPESKI, ROBERF P. (M'44), Chief, Special Devices
 Branch, Electronics Div., Air Tech. Intelligence Center,
 Wright-Patterson AFB, Ohio.
 CHERRY, DAVID D. (S'47-A'52-M'56), Genl. Mgr., Alto
 Scientific Co., Inc., B55 Commercial St., Palo Alto, Calif.
 CHERRY, ETHEN P., JR. (S'56-M'57), Elec. Engr., Airborne Instrument Lab., 1101 Stewart Ave., Garden City,
 L.I., N.Y.
- Dorne Instrument Lab., 1101 Stewart Ave., Garden City, L.I.,N.Y. CHERRY, MILTON (M'57), Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I.,N.Y. CHERRY, R. 8. (A'56), Owner, Mgr., Cherry's Radio Cor munications Service, 420 N.W. 4 St., Oklahoma City 3 Okla.
- CHERRY, S. JOHN (A'40-SM'51), Mgr., Special Purpose Tubes, Westinghouse Elec. Corp., 8ox 284, Elmira, N.Y. CHERRY, WALTER L., JR. (A'47-M'55), Pres., Cherry-Electrical Prods. Corp., 1650 Deerfield Rd., Highland Park, III.
- Park, III.
 CHERRY, WILLIAM H., JR. (M'59), Engr., Western Electric Co., Inc., Greensboro, N.C.
 CHERRY, WILLIAM R., JR. (S'54-M'57), Electronics
 Engr., Scripps Institute of Oceanography, La Jolia, Calif.
 CHERRYHOLMES, CLEO D. (S'52-A'53-M'57), Sr. Engr.
 Sylvania Elec. Prods., Inc., Mt. Pleasant St., Burlington. Iowa
- CHERSKOV, JOSEPH S. (S'55-A'56), Engr., Western Electric Co., Merchandise Mart Plaza, Chicago 54, III. CHERTOK, SIDNEY L. (A'43-M'55), Sprague Electric Co., North Adams, Mass.
- CHERWEK, ROLAND A. (S'57-M'58), Circuit Design Engr., Raytheon Mfg. Co., Bedford, Mass. CHESAVAGE, ALBERT J. (M'57), 1314 Nedro Ave., Philadelphia 41, Pa.
- Philadelphia 41, Pa.
 CHESEBRO, ELLSWORTH L. (M'56), Mgr., Military Com-munications, Kellogg Switchboard & Supply Co., 8703 La Tijera Blvd., Los Angeles 45, Calif.
 CHESHIRE, FRANKLIN C., JR. (M'58), Project Engr., Andrew California Corp., 941 E. Maryland Ave., Clare-
- Andrew Calimont, Calif.
- CHESLEY, BILLY E. (S'56-M'5B), 3362 Geneva Dr., Santa Clara, Calif. CHESNA, JOHN S. (A'39), Pres. & Dir., Research & Dev., Infrared Electro-Optical Co., 12 Skylane Dr., Rochester 21, N.Y.
- CHESNES, ALBERT A. (SM'55), V.P. Autometric Corp., 1501 Broadway, New York 36, N.Y. CHESNES, GERARD J. (S'56-M'58), Mgr., Process Engrg., Silicon Transistor Corp., 150 Glen Cove Rd., Carle Płace, L.I., N.Y.
- CHESNEY, ALAN P. (SM'53), Box 56B, Auburn, Calif, CHESNUT, MERRILL G. (A'59), Engr., Control Systems Analysis, Bendix Avuiation Corp., 11600 Sherman Way, North Hollywood, Calif.

- North Hollywood, Calif.
 CHESS, RICHARD B. (SM'56), Chief R.F. Engr., Cannon Electric Co., Pingree & Leavitt, Salem, Mass.
 CHESTER, MELVIN E. (S'54-M'56), Elec. Engr., Nortronics Div., Northron Aircraft, Inc., 500 E. Orangethorpe, Anaheim, Calif.
 CHESTER, WILLIAM G. (M'48), 6726 Fontana Rd., Prairie Village, Kan.
 CHESTER, WILLIAM H. (SM'56), Asst. Supvr., Telemetering Engra., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
 CHESTERS, BARNARD H. (A'56), Owner & Morr. Chester's
- CHESTERS, BARNARD H. (A'56), Owner & Mgr., Chester's Radio & Television, 206B Albert St., Regina, Sask., Canada,
- CHESTNUT, HAROLD (SM'57), Control System Engr., GE Co., Schenectady, N.Y.

CHESTON, THEUDURE C. (SM'53), Sr. Staff, The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md. CHEU, EDWARD D. (S'41-A'44-SM'52), Engroy. Designer, Pacífic Gas & Electric Co., 245 Market St., San Francisco 9, Calif.

- 124 -

- CHEUNG, WILLIAM S. H. (M'57), Electronics Engr., Rediffusion H.K., Ltd., Rediffusion House, Hong Kong. CHEVLI, NARENDRAKUMAR A. (\$51-4\55), Dev. Engr., Clevite Transistor Prods., 241-257 Crescent St., Waltham 54. Mass. Clevite Trai 54. Mass.

- CHEVRON, ROBERT R. (A'54), Sr. Design Engr., Convair, San Diego, Calif.
 CHEW, BRUCE H. (S'52-A'53), Field Engr., Western Union Telegraph Co., 125 12 St., Oakland, Calif.
 CHEW, THORNTON W. (A'39-M'46-SM'50), Design Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Mon-
- ica, Calif,
 CHEWNING, WARREN H. (S'42-A'46), Installation Engr.,
 Dictaphone Corp., 1125 Post Rd., Fairfield, Conn.
 CHI, ANDREW R. (M'56), Physicist, Naval Research Lab.,
 Washington 25, D.C.
 CHIABRANDO, JUAN C. (A'54), Design Engr., RCA, Camden, N.J.
- CHIANG, FRANKLIN C. (A'52-M'57), Assoc. Engr., IBM, San Jose, Calif.
- San Jose, Calif, CHIARENZA, JOHN B. (S'57-M'5B), Elec. Engr., J. B. Webb Co., B951 Alpine, Dearborn, Mich. CHIARENZA, PETER P. (S'58-M'59), Flight Test Analy-sis, Martin Co., Baltimore, Md.

- CHIARENZA, PETER P. (S'58-M'59), Flight Test Analysis, Martin Co., Baltimore, Md.
 CHIARETTA, FRANK L. (M'56), Mem. Tech. Staff, Hughes Prods., Internatl. Alropro Sta., Los Angeles 45, Calif.
 CHIAVARINI, ELMO W. (A'51-M'52), Tech. Mgr., K.L.A.
 Labs., 742 Woodward, Detroit, Mich.
 CHICK, BRUCE 8, (M'54), Research Assoc., Brown Univ.,
 Providence 12, R.I.
 CHICK, DONALD R. (S'56-M'57), Assoc. Engr., Texas
 Instruments, Inc., 6000. Lemmon Ave., Dallas 9, Tex.
 CHICK, ELTON B. (M'54), Chief Engr., WQXI, 3165 Mathieson Dr., N.E., Atlanta, Ga.
 CHICK, ARYMOND F. (S'53-A'55), Elec. Engr., Westinghouse Elec. Corp., Youngwood, Pa.
 CHICK, MALTER G. (M'58), Supvr., Special Analysis
 Sect., Telecomputing Corp., Holloman AFB, N.M.
 CHICONBE, ERVIN L. (M'58), Calibration Engr., NASA,
 Langley Field, Va.
 Langley Field, Va.
 India.
 CHIECHS G. (S'56-M'57), Jr. Research Fellow, Indian
 Institute of Science, Dept. of Physics, Bangalore 12,
 India.

- CHIEFFO, ALEXANDER B. (A'52-SM'59), Dept. Administrator, Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.
- CHIEI, FERDINAND O., JR. (M'52), Mgr., Contracting, Govt. Service Dept., RCA Service Co., Camden, N.J. CHEN, KUD. LI (4'58), IBM Research Center, Yorktown Heights, N.Y.
- CHIEN, ROSERT T. (A'58), Assoc. Engr., IBM, Yorktown
- CHIEN, ROBERT 1. W. Heights, N.Y.
 CHIGOY, WARREN A. (M'58), Relay & Communications
 Technician, Power Div., New Orleans Public Service, 1600
 S. Peters St., New Orleans 13, La.
 S. Peters St., New Orleans 13, La.
- S. Peters St., New Orleans 13, La.
 CHIHAK, PAUL P. (S'54-M'56), Engr., Collins Radio Co., Cedar Rapids, Jowa.
 CHILD, ALBERT A. (A'53), Plant Supvr., Chesapeake & Potomac Telephone Co., 930 H St., Washington, D.C.
 CHILD, CLAUDE H. (M'52-SM'57), Supvr., Transmitter Unit, Autonetics Div., No. Amer. Aviation, Downey, Calif. CHILD, JOHN W. (S'54-M'56), Engr., Raytheon Mfg. Co., Wayland, Mass.
- wayrano, Mass. (M'59), RCA Service Co., Riverton, N.J. CHILD, PETER J. (M'59), RCA Service Co., Riverton, N.J. CHILD, RICHARD W. (S'47-4'49-M'55), Staff Project Engr., Missile Div., Chrysler Corn., Detroit 31, Mich. CHILD, THOMAS M. (M'57-SM'57), Deputy Dir., Electronic Parts & Materials Div., U. S. Army Signal Research Lab., Ft. Mommouth, N.J.

- tronic Parts & Materials Div., U. S. Army Signal Research Lab., Ft. Monmouth, N.J.

 CHILDERS, AUBREY A. (SM'59), 1009 Westhampton Dr., Alexandria, Va.

 CHILDERS, DONALD G. (S'56-M'59), Engr., Aeronutronic Systems, Inc., 1234 Air Way, Glendale, Calif.

 CHILDERS, FRANK M. (A'52), Electronics Engr., Army Ballistic Missile Agency, Missile Firing Lab., 33 Little-John Lane, Rockledge, Fla.

 CHILDERS, HAROLD E. (SM'56), Electronics Engr., Baylor Univ., College of Medicine, 1200 M. D. Anderson Bivd., Houston, Tex.

 CHILDERS, CHORAD F. (S'50-A'51-M'5B), Regional Service Engr., Bulldog Electric Prods. Inc., 22 S. Young St., Columbus 15, Ohio.

 CHILDERS, THOMAS A. (S'56-M'5B), Elec. Engr., Natl. Carbide Co., Box 37, Sta. D, Louisville 10, Ky.

 CHILDRESS, CHARLES B. (A'52-M'57), Lead Electronics Systems Designer, Chance-Vought Aircraft, Inc., Dallas, Tex.

- Systems Designer, Chance-Vought Aircraft, Inc., Dallas, Tex.

 CHILDRESS, JAMES C., JR. (S'56-A'57), Asst. Site Super., White Alice Project, Federal Electric Corp., 8ox 7-153, Anchorage, Alaska.

 CHILDS, ALLISON F. (M'50), Toll Circuit Layout Engr., Illinois Bell Tel. Co., 212 W. Washington, Chicago 6, Ill. CHILDS, ARTHUR W. (A'56), TechRep., Madigan Corp., 200 Stonehinge Lane, Carle Place, L.1, N.Y.

 CHILDS, CHARLES W. (S'55-M'56), Maj., USAF, Ballistic Missile Div., Field Office, Point Mugu, Calif.

 CHILDS, HARRIS A. (SM'57), Dev. Planning Specialist, Lockheed Aircraft Corp., Hollywood Way, Burbank, Calif. CHILDS, HOWARD W. (M'5B), Sect. Head, Avionics Lab., Sylvania Electronic Systems Div., Waltham, Mass.

 CHILDS, ROBERT D., Ill (M'57), Liaison Elec. Engr., Douglas Aircraft Co., Santa Monica, Calif.

 CHILES, JAMES R. JR. (A'46), Electronics Engr., Ryan Aeronautical Co., 5650 Kearney Mesa Rd., San Diego, Calif.

 CHIMERA, ANTHONY J. (A'53-M'56), Assoc. Electronics
- CHIMERA, ANTHONY J. (A'53-M'56), Assoc. Electronics Engr., Comell Aeronautical Lab., 8ox 235, Buffalo, N.Y. CHIMERA, VINCENT J. (A'51-M'55-SM'57), Sect. Head, Radar Systems, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- CHIN, BOCK M. (S'53-A'54), Engr., GE Co., West Lynn,
- CHIN, BOCK M. (5/35/4/37), Engr., Secode Corp., Mass.
 CHIN, CHRISTOPHER S. (M'59), Engr., Secode Corp., 555 Minnesota St., San Francisco 7, Calif.
 CHIN, EDWARD (A'50-M'56), Project Engr., Kearlott Co., Inc., 137B Main Ave., Clifton, N.J.
 CHIN, FRANK W. (M'58), 22 Muldowney Circle, Poughkeepsie, N.Y.

- CHIN, GEP D. (S'53-M'56), Elec. Engr., RCA, Camden, N.J.
- CHIN, HONG CHONG (A'54), TV, Audio & Video Engr., CBS TV (Color), 4B5 Madison Ave., New York 22, N.Y. CHIN, JAMES H. S. (A'54), Project Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- Gyroscope Co., Great Neck, L.I., N.Y.
 CHIN, MELVIN (S'57-A'58), Tester, Eclipse-Pioneer Div.,
 Bendix Aviation Corp., Teterboro, N.J.
 CHIN, QUINCY (S'58-M'59), U.S. Army 'C' Btry., 3rd
 Regiment, 'ES'5ch, Brig., Box 450, Ft. Bliss, Tex.
 CHIN, TING HSIN (A'54), Asst. Prof., Elec. Engrg., Carnegie
 Institute of Technology, Schenley Park, Pittsburgh 13, Pa.
- CHIN, WING Y. (S'50-A'51-M'5B), Sect. Head, Martin Co., Orlando, Fla.
- CHINERY, JACK J. (S'57-A'57), 61 Brookside Ave. Somerville, N.J.
- Somewrite, N.J.

 CHING, RONALD T. K. (S'53-M'56), Elec. Engr., Pearl Harbor Naval Shipyard, Pearl Harbor, Oahu, Hawaii.

 CHINN, FLOYD T. (A'53-M'58), Transmission Engr., AT&T Co., 324 E. 11 St., Kansas City 6, Mo.

 CHINN, HERRY R. (A'57), 33 French St., Kogarah, New South Wales, Australia.
- CHINN, HOWARD A. (A'42-SM'45-F'45), Chief Engr., CBS Television, 4B5 Madison Ave., New York 22, N.Y. CHINNICK, ROBERT F. (S'43-A'45-M'55), Scientist, Defense Research Board, C.A.R.D.E., Valcartier, P.Q., Canada.
- CHINNOCK, RALPH S. (M'56), Elec. Project Engr., Hughes Aircraft Co., Box 11337, Emery Park Annex, Tucson, Ariz. CHINSKI, GERALD R. (A'42-SM'47), Tech. Dir., Houston Broadcasting Co., Main St. at Rusk, Houston 2, Tex.

- Broadcasting Co., Main St. at Rusk, Houston 2, Tex.
 CHIPCHAK, JOHN S. (S'50-A'52-M'57), Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N. Y.
 CHIPMAN, JACK R. (A'54), Engr., Sylvania Elec. Prods., Inc., 700 Ellicott St., Batavia, N.Y.
 CHIPMAN, ROBERT A. (A'41-SM'47), Prof., Elec. Engrg., & Chmm. of Debt., The Univ. of Toledo, Toledo 6, Ohio.
 CHIPP, RODNEY D. (A'34-SM'43-F'55), Dir., Engrg., ITT Comunications Systems, Garden State Plaza, Paramus, N.J.
 CHIPPS, GEORGE E. (S'50-A'51-M'57), Dept. Chief, Northern Electric Co., Ltd., 1261 Shearer St., Montreal, P.Q., Canada.
 CHIRLIAN. PAUL M. (S'49-A'51-M'56), Asst. Prof., New

- Northern Electric Co., Ltd., 1261 Shearer St., Montreal, P.Q., Canada.
 CHIRLIAN, PAUL M. (S'49-A'51-M'56), Asst. Prof., New York Div., University Hots., New York 53, N.Y.
 CHIRNITCH, JOSEPH M. (S'56-M'59), Lab. Engr., M8 M'g. Co., Inc., 1060 State St., New Haven, Conn.
 CHISHOLM, DONALD A. (A'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 CHISHOLM, DONALD J. (S'57-A'58), Radar Technician, Kenting Aviation, Ltd., Oshawa, Ont., Canada.
 CHISHOLM, EDWARD (A'40), Pres., Chisholm Industries, Ltd., Port Moody, B.C., Canada.
 CHISHOLM, EDWARD (A'40), Pres., Chisholm Industries, Ltd., Port Moody, B.C., Canada.
 CHISHOLM, HAMILTON C. (A'54-M'58), Sr. Engr., Berkeley Div., Beckman Instruments, Inc., 2200 Wright Ave., Richmond, Calif.
 CHISHOLM, KENNETH G. (M'50), RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.
 CHISHOLM, ROBIN M. (S'52-A'54), Asst. Prof., Queen's Univ., Kingston, Ort., Canada.
 CHISHOLM, ROBERCK G. (SM'59), Chmn., Physics Dept., St. Mary's College, Terrace Hets., Winona, Minn.
 CHISHOLM, THEODORE L., JR. (A'54), 110 W. 75 St., New York 23, N.Y.
 CHISHOLM, VALENTINET, (M'57), Jr. Elec. Engr., Anderson-Michols & Co. 1150 Canada.
- New York 23, N.Y.
 CHISHOLM, VALENTINE T. (M'57), Jr. Elec. Engr., Anderson-Nichols & Co., 150 Causeway St., Boston, Mass.
 CHISLOW, JOSEPH H. (S'50-A'51-M'57), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.
 CHISMAN, JAMES A. (S'57-M'59), 7B N. Adolph, Akron 4,
- CHISMARK, ALBERT H. (M'58), Dir., Engrg., Meredith Syracuse Television Corp., WHEN-TV, 101 Court St., CHISWELL, EARL (A'53-M'56), Research Scientist, Univ. of Minnesota, Rosemourt, Minn.
- CHITINANDA, PIM (M'54), Capt., Chief, Elec. Sect., Tech. Dept., Yip In Tsoi, 523 Mahaprutharam Rd., Bangkok, Thailand.
- Bangkok, Inariand.
 CHITOURAS, COSTA G. (S'50-A'55), Dev. Engr., Gent.
 Radio Co., 22 Baker Ave., West Concord, Mass.
 CHITENDEN, GUY W. (A'52-M'57), Electronics Instr.,
 Devry Technical Institute, 4141 W. Belmont, Chicago 41,
- CHITTENDEN, KING M. (A'49-M'55), Engr., Raytheon Mfg. Co., Bedford, Mass. CHITTENDEN, WALTER R. (A'50), Sr. Dev. Engr., Mototola Research Labs., 3102 N. 56 St., Phoenix,
- CHITTICK, CONRAD (A'45), Teacher, Manhattan Trades Center, New York City Board of Education, 45 Rivington St., New York 2, N.Y.
- St., New York 2, N.Y.
 CHITTICK, DAVID R. (S'53-M'56), Sect. Chief, Western Electric Co., 220 Church St., New York 13, N.Y.
 CHITTICK, K. A. (A'26-SM'49-F'53), Mgr., TV Receiver Engru., RCA, Camden, N.J.
 CHU, PLANET (S'56-M'57), Elec. Engr., Hallicrafters Co., 4401 5 Ave., Chicago 24, III.
 CHIVERS, CLIFFORD C. (S'47-M'55), Design Engr., GE Co., Syracuse, N.Y.
 CHIZMADIA, RICHARD A. (S'57-M'59), Jr. Engr., Technitrol Engru. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.
 CHMIEL, BRUNO A. (A'55), 110 Walnut Ave. Pageston

- CHMIEL, BRUNO A. (A'55), 110 Walnut Ave., Pompton Lakes, N.J.
- Lakes, N.J.

 CHMLLOWSKI, JOSEPH B. (M'48), Mgr., Trans-Lab., S.A., Calzada de La Viga 590, Ixtacalco, Mexico. 8, D.F.

 CHOAT, WILLIAM F. (A'25-M'44), Electronics Tube Sales Mgr., Canadian Westinghouse Supply Co., Ltd., 195 Fleet St., E, Toronto, Ont., Canada.

 CHOATE, ROBERT L. (S'50-A'52-M'57), Sr. Research Engr., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.

 CHOATE, WILLIAM C. (S'57-M'59), Elos Engr., L. S. C. CHOATE, WILLIAM C. (S'57-M'59), Elos Engr., L. S.

- CHOATE, WILLIAM C. (S'57-M'59), Elec. Engr., U.S. Amy Engrg. District, Box 7002, Anchorage, Alaska. CHODL, CHARLES, JR. (A'53-M'59), Systems Engrg., DuKane Corp., St. Charles, III.
 CHODOROW, MARVIN (A'43-SM'47-F'54), Prof., Applied Physics & Elec. Engrg., Microwave Lab., Stanford Univ., Stanford, Calif.
- Stanford, Calif.
 CHOKSY, NASLI H. (A'50-M'55), Asst. Prof., Elec. Engrg.
 Dept., The Johns Hopkins Univ., Baltimore 18, Md.
 CHOLEVA, HUBERT L. (S'55-M'56), Asst. Project Engr.,
 Radioplane Co., BOOO Woodley St., Van Nuys, Calif.

- CHOMET, MARC. (M'56), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 CHONCHOLAS, JAMES J. (S'57-M'58), 5032 W. Quincy St., Chicago 44, Ill.
 CHONG, BENJAMIN M. (A'56), Electronics Engr., Wright Air Development Cerker, Wright-Patterson AFB, Ohio.
 CHONG, CARLOS F. (A'55), Sr. Engr., Remington Rand Univac, 19 & Allegheny St., Philadelphia, Pa.
 CHONTOIAN, PETER (S'49-A'51-M'56-SM'58), Consultant, Electronics, Electro-Mech. Systems, Oakland Engrg. Co., 255 Oakland Ave., Methuen, Mass.
 CHOP, ALLEN (M'57), Sr. Research Engr., Reliability Staff, Lockheed Missile Systems Div., Box 504, Sunnyvale, Calif.
 CHOP, WALTER J., JR. (S'55-A'55), Electronics Technician, Mears Television, 1718 Quindaro, Kansas City 4, Kan.

- CHOPE, HENRY R. (SM'55), Exec. V.P., Industrial Nucleonics Corp., 65D Ackerman Rd., Columbus 14, Ohio.

- Nucleonics Corp., 65D Ackerman Rd., Columbus 14, Ohio.

 CHOPE, RUDDL'F E. (A'56), Systems Engr., RCA Service Co., 1809 Bannard St., Riverion, N.J.

 CHOPE, WILBERT E. (S'48-A'50-SM'56), Pres., Industrial Nucleonics Corp., 650 Ackerman Rd., Columbus 14, Ohio.

 CHOPE, WILBERT E. (S'48-A'50-SM'56), Pres., Industrial Nucleonics Corp., 650 Ackerman Rd., Columbus 14, Ohio.

 CHOPRA, AMARJIT (4'58), Device Engr., Transitron Electronic Corp., 168-182 Albion St., Wakefreld, Mass.

 CHORA, LUIS M. (S'56-M'58), Rinconada De La Estrella, Mexico, D.F., Mexico.

 CHORFAS, DIMITRIS N. (S'55-M'58), 18M World Trade Corp. B?1 U.N. Plaza, New York, N.Y.

 CHORLTON, DOUGLAS J. (M'59), Asst. Radio Supt., B.C. Forest Service, Parliament Bidgs., Victoria, 8.C., Canada. CHORNEY, PETER L. (M'56), Elec. Engr., Food Machinery & Chemical Corp., Hoopeston, III.

 CHORPENING, CREED M. (M'46), Electronics Consultant, 840 Flamevine Lane, Vero Beach, Fla.

 CHOU, TEH-LOH, (S'55-M'57), Assoc. Prof., Institute of Electronics, Natl. Chiao Tung Univ., Taipei, Taiwan, China. CHOU, WAYNE W. (S'52-M'56), Assoc. Engr., Perkin-Elmer Corp., Main Ave., Norwalk, Conn.

 CHOULNARD, RENE J. (S'54-A'55), Research Asst., Hughes Research Labs., Culver City, Calif.

 CHOW, ALFRED V. (S'52-A'53-M'58), Dev. Engr., Hughes Aircraft Co., Culver City, Calif.

 CHOW, ALFRED V. (S'52-A'53-M'58), Dev. Engr., Hughes Aircraft Co., Culver City, Calif.

 CHOW, ENJAMIN (A'41-M'46), Electronics Engr., U. S. Navy Radiological Defense Lab., San Francisco, Calif. CHOW, CHAOK. (M'577), Dev. Engr., Bendix Aviation, Inc., Research Center, Paoli, Pa.

 CHOW, HERRY (S'54-M'57), Engr., Bendix Aviation, Inc., Box 5115, Detroit 35, Mich.

- CHOW, HENRY (S'54-M'57), Engr., Bendix Aviation, Inc., Box 5115, Detroit 35, Mich.
- CHOW, W. T. (S'42-A'45-M'49-SM'52), Mgr., Missile Guidance Dept., American Bosch Arma Corp., Garden City, L.I., N.Y.
- CHOW, WOO F. (M'53-SM'53), Engr., GE Co., Syracuse,

- CHOW, WOUT. (MIDD-DMIDD), ENGIT, GE. CO., SYRGUSE, N.Y.

 CHOW, YUTZE (S'55-M'58), Asst. Prof., Electronics Div., Instituto Tecnologico de Aeronautica, Sao Jose dos Campos, Sao Paulo, Brazil.

 CHOWDHURY, MAHBUBAR R. (M'58), Lecturer, Physics Dept., Rajshahi Univ., Rajshahi, East Pakistan.

 CHOWN, 8, FARRELL (S'48-A'50-M'55), Tech. Services Mgr., Computing Devices of Canada, Ltd., Box 508, Ottawa 4, Ont., Canada.

 CHOWN, JOHN B. (A'53-M'58), Sr. Research Engr., Stanford Research Institute, Menlo Park, Calif.

 CHREES, STANLEY T. (M'155), Communications Engr., Shell Petroleum Co., St. Helen's Ct., London, E.C. 3, England.

 CHRESSANTHIS. ANDREW G. (A'53-M'58). Desion Engr.

- England.
 CHRESSANTHIS, ANDREW G. (A'53-M'58), Design Engr., RCA, Moorestown, N.J.
 CHRESTIEN, CHARLES A. (S'56-A'59), Radar Repairman, USAF, Home: 1006 N. George St., Rome, N.Y.
 CHRISMAN, DONALD W. (M'50-SM'54), Dir., Electronics Dept., Space Flight Div., Markin Co., Baltumore 3, Md.
 CHRIST, DONALD R. (A'57), Component Engrg. Analyst, Electronic, Burroughs Corp., 14300 Tireman, Detroit, Mich.

- Electronic, Burroughs Corp., 14300 Tireman, Detroit, Mich.
 CHRIST, JOSEPH G. (A/5B), Mgr., Materials & Processes Lab., 18M, Poughkeepsie, N.Y.
 CHRISTALDI, P. SAMUEL (S/35-A/40-SM/44-F/52), Prod. Mgr., Electronics Div., Curtiss-Wright Corp., Carlstadf, N.J.
 CHRISTELER, ALFRED (A/32-M/46), Mgr., Hasler Tubes Electroniques S.A., Monrouz 34, Neuchatel, Switzerland.
 CHRISTEN, ARNOLD L. (S/49-A/51-M/55), Installation Mgr., (RCA BIZMAC) RCA Service Co., Camden 8, N.J.
 CHRISTENSEN, ALBERT V. (M/55), Sr., Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthome, Calif.
 CHRISTENSEN, ALWIN A. (A/52-M/57), Component Application Engr., Collins Radio Co., Cedar Rapids, Iowa.
 CHRISTENSEN, ARNEW 8. (A/36-VA/39), 1221 N.
 Percival, Olympia, Wash.
 CHRISTENSEN, ARNEW 8. (A/36-VA/39), 1221 N.
 Percival, Olympia, Wash.
 CHRISTENSEN, ARNE (A/44-M/44-SM/58), Sr. Electronic Engr., Dept. Head, Motorola, Inc., 4545 Augusta Blvd., Chicago 51, Ill.
 CHRISTENSEN, SRNET (A/53-M/58), Seet. Mgr., Westing-

- Engr., Dept. Head , Motorola , Inc., 45.45 Augusta 8Ivd., Chicago 51, Ill.
 CHRISTENSEN, 8ENT (A'53-M'58), Sect. Mgr., Westinghouse Elec. Com., 7325 Penn Avc., Pittsburgh 8, Pa. CHRISTENSEN, DANALD M. (S'57-M'59), 2734 Walnut St., Bellingham, Wash.
 CHRISTENSEN, HAROLD (M'46), Mgr., Commercial Field Engrg. & Sales, Aircraft Radio Com., Boonton, N.J.
 CHRISTENSEN, HAROLD E. (A'51), Staff Asst., Tektronix, Inc., Box 831, Portland, Ore.
 CHRISTENSEN, JAMES L. (S'57-M'59), Engr., RCA, Moorestown, N.J.
 CHRISTENSEN, JOHN W. (SM'46), V.P. & Assoc. Dir., Research CBS Labs., 227 High Ridge Rd., Stamford, Conn. CHRISTENSEN, KNUD H. (A'57), Engr., Bang & Olutsen, Ltd., Struer, Denmark.
 CHRISTENSEN, LAWRENCE E. (S'57-M'58), Electronics Engr., Moturola, Inc., 8330 Indiana Aye., Riverside, Calif.
 CHRISTENSEN, MORRIS M. (SM'57), Research Group Engr.,
- Calif.
 CHRISTENSEN, MORRIS M. (SM'57), Research Group Engr.,
 Convair, Box 1950, San Diego, Calif.
 CHRISTENSEN, NELS T. (M'58), Electronics Scientist, USN
 Electronics Lab., San Diego 52, Calif.
 CHRISTENSEN, OLIVER (A'56), Torvet 9, Hillerod,
 Denmark.

- Denmark.
 CHRISTENSEN, PALLE S. (A'58), Assoc. Mem., Scientific Staff, Northorn Flectric Co., Box 6123, Montreal, P.Q.,

- CHRISTENSEN, PHILIP C. (A'39), Engr., Mackay Radio & Telegraph Co., 35D Mission St., San Francisco 5, Calif. CHRISTENSEN, PREBEN E. (A'55), Scientist, SHAPE Air Defence Technical Center, Ace-High, SHAPE, Paris, France.
- CHRISTENSEN, RALPH J. (M'45-SM'48), Assoc. Tech. Dir., Research, USN Electronics Lab., San Diego 52, Calif.
- CHRISTENSEN, RAMON L. (M'58), Supvr., Telemetry Data Processing, Telecomputing Corp., Box 447, Holloman AFB, N. M.
- CHRISTENSEN, RAYMOND T. (5'43-A'46-M'55), Engr., Zenith Radio Cop., 6D01 Dickens Ave., Chicago 39, III.
- CHRISTENSEN, ROLLO E. (S'56-M'57), Engr. Rep., Instrumentation Div., Ampex Corp., 528 Vinewood Ave., Birmingham, Mich.
- CHRISTENSEN, THOMAS W. (S'50-A'51-M'58), Sr. Dev. Engr., Minneapolis-Honeywell Regulator Co., St. Petersburg, Fla.
- CHRISTENSEN, VERAL E. (A'53), Design Engr., Remington Rand Univac, St. Paul, Minn. CHRISTENSEN, WARREN H. (S'57-M'58), Engr., Philoo Com., 3875 Fabian Way, Palo Alto, Calif.
- Comp., 3875 Fabian Way, Palo Alto, Calli.
 CHRISTENSEN, WILLIAM M. (M'58), Engr., Writer, GE
 Co., Syracuse, N.Y.
 CHRISTENSEN, WILLIAM V. (S'52-A'54-M'58), Vacuum
 Tube Engr., Watkins-Johnson Co., 333 Hillview Ave.,
 Palo Alto, Calif.
- Paio Alto, Calif.

 CHRISTENSON, EDWIN C. (S'57-A'5B), Jr. Engr., Sprague Flertric Co., 97 Marshall St., North Adams. Mass.

 CHRISTENSON, NEIL B. (S'57-M'5BJ, Design Engr., Convair, Box 74B, Ft. Worth, Tex.

 CHRISTGAU, MERTON A. (A'54), Engr., Maico Electronics, Inc., 21 N. 3rd St., Minneapolis, Minn.

 CHRISTIAN, ALBERT M. (M'59), Semiconductor Specialist, Westinghouse Elec. Corp., Merchandise Mart, Chicago, III.

- III.
 CHRISTIAN, BARTLEY, JR. (S'56-M'58), Test Equipment Engr., Hughes Aircraft Co., El Segundo, Calif.
 CHRISTIAN, ERICH (M'58), Research Staff, Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos, Calif.
 CHRISTIAN, HAROLD K. (S'49-A'50-M'56), Major, USAF, Chief, Communications Branch, Sage (216L) Project Office, 220 Church St., New York 13, N.Y.
 CHRISTIAN, HOWARO C. (M'57), Liaison Engr., Genl. Depot, Signal Sect., Ft. Worth, Tex.
 CHRISTIAN, HUGH S. (S'46-A'48-M'55), Chief Engr., Diamond Power Specialty Corp., Box 415, Lancaster, Ohio.

- CHRISTIAN, J. ROBERT (M'59), Electronics Engr., U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.
- Army Signar Research & Development Labs., rf. Monimouth, N.J.

 CHRISTIAN, JAMES W. (M'57), Electronics Engr., Lab. for Electronics, Inc., 75 Pitts St., &oston 14, Mass.

 CHRISTIAN, JOSEPH L. (S'53-M'57), Assoc. Engr., 18M, 612 W. 115 St., New York, N.Y.

 CHRISTIAN, DREN R. (S'46-A'49-M'55), Cmdr., USN, Electronics Warfare Officer, Fleet Air Winss, Atlantic Fleet, NAS, Norfolk, Va.

 CHRISTIAN, SCHUYLER M. (SM'58), Mem. Tech. Staff, RCA Labs., Princeton, N.J.

 CHRISTIAN, WALTER (A'53), Dir., Byington & Cia, Sao Paulo, Brazil.

 CHRISTIANSEN, CARL L. (S'50-A'51-M'56), Sr. Engr., Prod. Dev. Lab., 18M, Poughkeepsie, N.Y.

 CHRISTIANSEN, COMBANDO (S'48-A'50-M'55), Engr., C8S-Hytron, Danwers, Mass.

 CHRISTIANSEN, ERIK M. (A'55), Research & Dev. Engr.,

- CHRISTIANSEN, ERIK M. (A'55), Research & Dev. Engr., The Danish Atomic Energy Commission, Riso Research Sta., Denmark.

- Denmark.
 CHRISTIANSEN, GUENTHER H. (M'59), Administrator, Flight Test Plans, RCA, Camden, N.J.
 CHRISTIANSEN, HOWARD C. (S'58-M'59), 1745 Grand Ave., New York 53, N.Y.
 CHRISTIANSEN, JORGEN V. (S'56-M'58), 6, 3 Boldhusgade, Copenhagen, Denmark.
 CHRISTIANSEN, MOGENS E. (A'55), Genl. Sales Mgr., The Mallory Battery Co., 13000 Athens Ave., Cleveland 7, Ohio.
- CHRISTIANSEN, ROBERT J. (S'56-M'58), Field Engr., Lahana & Co., 1332 Varden Way, Salt Lake City, Utah. CHRISTIANSEN, WALDEMAR G. (A'43), Engr., RCA, Camden, N.J.

- CHRISTIANSEN, WALDEMAR G. (A'43), Engr., RCA, Camden, N.J.

 CHRISTIANSON, CHARLES L. (M'57), Asst. Project Engr., Bendix Radio Div., Baltimore, Md.

 CHRISTIANSON, LEONARD L. (M'57), Electronics Engr., Radar Reconnaissance Sect., Wright-Patterson AFB, Ohio.

 CHRISTIANSON, LLOYD F. (M'55-SM'56), Pres., Electronic Associates, Inc., Long Branch, N.J.

 CHRISTIANSON, WILLIAM O. (S'57-A'59), Instrumentation Technician, McDonnell Aircraft Corp., St. Louis, Mo.

 CHRISTIE, CHARLES 8. (A'51-M'56), Project Engr., Melpar, Inc., 3000 Arlington Bldv., Falls Church, Va.

 CHRISTIE, CHARLES 8. (A'51-M'56), Project Engr., Melpar, Inc., 3000 Arlington Bldv., Falls Church, Va.

 CHRISTIE, CRRIS J. (S'50-A'54-SM'57), Inter-Divisional Support Contract Tech. Requirements Mgr., Martin Co., Baltimore 3, Md.

 CHRISTIE, CERCE A. (A'52), Communications Engr., Creole Petroleum Corp., Maricaiblo, Venezuela.

 CHRISTIE, JOHN 8. (S'58-M'59), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 CHRISTIE, JOSEPH W. (S'50-A'53-M'58), Mem. Tech. Staff, GE Microwave Lab. at Stanford, Palo Alto, Calif. CHRISTIE, ROBERT L. (S'57-M'59), 737th ACWRON, Box 3, APO 118, New York, N.Y.

 CHRISTIE, THOMAS A., JR. (SM'57), Project Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.

- CHRISTILAW, JOHN S. (A'43-M'55), Supvr. Engrg. Fublications, Hoffman 1.-bs , 3740 S. Grand Ave., Los Angeles 7, Calif.
- CHRISTMAN, CALVIN J. (M'57), Supvy. Engr., Chrysler Missile Div., Detroit, Mich.
- Missile Div., Detroit, Mich.
 CHRISTMAN, IRVING H. (S'57-A'58), Box 463, North
 Egemont, Mass.
 CHRISTMAN, JAMES (A'58), Electronics Dev. Engr.,
 Motorola, Inc., B201 E. McDowell Rd., Phoenix, Ariz.
 CHRISTMAN, RONALD D. (A'57-M'59), Elec. Engr.,
 Ramingten Rand Univac, St. Paul 16, Minn.

- CHRISTMAN, THOMAS J. (S'49-M'50), Cmdr., USN, Asst. Resident, Inspector of Ordnance, Aerojet Corp., Sacramento, Calif.
- Calif.

 CHRISTMAS, WALTER I. (S'48-A'48-M'5B), Engr., System Planning Branch, Quebec Hydro Electric Commission, 107 Craig St., W., Montreal I. P. Q., Canada.

 CHRISTD, NICHOLAS (A'59), Production Mor., Magnetic Recording Industries, 126 5 Ave., New York, N.Y.

 CHRISTOFF, NICHOLAS A. (S'59-M'59), Field Engro. Rep., Boeing Airolane Co., Seattle, Wash.

 CHRISTOFFERS, WILLIAM H. (M'56), Sr. Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 CHRISTOFFERSON, ALFRED, JR. (S'50-A'52-M'57), Project Engr., Control Data Corp., 501 Park Ave., Minneapolis 15, Minn.

 CHRISTOPHEL. GEORGE H. (A'43-M'55), Elec. Engr.,

- neapolis 15, Minn.
 CHRISTOPHEL, GEORGE H. (A'43-M'55), Elec. Engr., Rader & Associates, 111 N.E. 2nd Ave., Miami, Fla.
 CHRISTOPHER, ARTHUR J., JR. (A'57-M'59), District Mgr., Engrg. Sales, Sprague Electric Co., 545 Cooper St., Camden 2, N.J.

- St., Camden 2, N.J.
 CHRISTOPHERSON, WARREN A. (S'50-A'52-M'57), Dev.
 Engr., IBM Research Lab., San Jose, Calif.
 CHRISTY, JOHN D. (M'57), Engr., Bendic Aviation Corp.,
 95 & Troos Sts., Kansas City, Mo.
 CHROME, JOHN T. (S'49-A'50-M'56), Radio Engr.,
 Dett. of Transport, Wellington St., Ottawa, Ont., Canada.
 CHROMY, BENJAMIN J. (A'38-VA'39), Patent Lawyer,
 Allen & Chromy, Patent Lawyers, Box 457, Los Gatos,
 Calif.
- Calif.

 Calif.

 CHRONISTER, WILLIAM M. (M'56), Sr. Engr., Electronics Switching Group, Telecommunications Engrg. Dept., Stomberg-Carlson Cn., 100 Carlson Rd., Rochester 3, N.Y.

 CHRUNEY, MICHAEL (S'49-A'50-M'55), Mem. Tech. Staff, Bell Tel. Lab., Murray Hill, N.J.

 CHRUSCIEL, MICHAEL R. (S'51-M'56), Project Engr., High Voltage Engrg. Corp., Burlington, Mass.

 CHRYSLER, LEO F. (M'57), IBM, Poughkeepsie, N.Y.

 CHRYSTIE, HENRY (M'49), Consulting Engr., 824 Butte St., Claremont, Calif.

 CHRZANOWSKI, JERZY T. (M'57), Sr. Elec. Engr., Computing Devices of Canada, Ltd., Bell's Comer's, Ont., Canada.

- Canada.

 CHRZANOWSKI, PETER (SM'56), Supvy. Physicist, Natl. Bureau of Standards, Washington 25, D.C.

 CHU, GE YAO (S'50-A'52-M'56), V.P., Wang Labs., Inc., 37 Hurley St., Cambridge, Mass.

 CHU, HENRY (A'52-M'57), Sr. Engr., Northrop Aviation, Hawthorne Field, Hawthorne, Calif.

 CHU, J. CHUAN (A'48-M'55), Chief Engr., Commercial Engrs., Remington Rand Univac., 1900 W. Allegheny Ave., Philadelphia 29, Pa.
- Philadelphia 29, Pa.
 CHU, LAN JEN (A'39-VA'39-SM'48-F'52), Prof., Elec.
 Engra., MIT, Cambridge 39, Mass.
 CHU, MAURICIO (A'49), Chief Engr., "RADIO MIA"
 HOS-22, P.O. Box 5117 (La Exposicion), Panama,
 Republic of Panama.
- Republic of Panama.
 CHU, TSE HOU (M'56), Research Asst., MIT Electronics Research Lab., Cambridge 39, Mass.
 CHU, YADHAN (M'56-SM'57), Supvy. Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.
- MIC. CHUANG, KUEI (S'57-M'58), Asst. Prof., Univ. of Michigan, Ann Arbor, Mich. CHU88, CHARLES F., JR. (A'55-M'56-SM'57), Engrg. Dept. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- N.Y.
 CHUBB, ELLIOTT (S'54-M'56), Sr. Design Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.
 CHUBB, WILLIAM R., JR. (S'50-A'50-M'59), Sr. Engr.,
 Haller, Raymond & Brown, Inc., Circleville Rd., State
 College, Pa.
- CONTEGE, Pa.
 CHUBBUCK, EARL L., JR. (M'47), Engr., NBC, 30
 Rockefeller Plaza, New York 20, N.Y.
 CHUDACOFF, NORMAN E. (S'56-M'58), Electronics Engr.,
 Levinhal Electronic Prods., Inc., Stanford Industrial
- Park, Palo Alto, Calif. CHUDD, RICHARD G. (A'52-M'55), Asst. Project Engr., TV Deflection Systems, Admiral Corp., 3800 W. Cortland St., Chicago 47, III.
- St., Unicago 47, III. CHUDLEIGH, WALTER H., JR. (S'43-A'47-SM'53), Staff Engr., Genl. Atronics Corp., 1 Bala Ave., Bala-Cymwyd, Pa.
- Pa.
 CHUDZIK, MELVIN W. (S'56-M'58), Jr. Production Engr.,
 Moog Valve Co., Inc., East Aurora, N.Y.
 CHUI, TONI Y. (M'55), Aircraft Radio Instr., Far East
 Flying Training School, Kai Tak Airport, Kowloon, Hong
 Kong.
- CHULN, BEN H. (M'55), Electronics Engr., Damac Lab., Inc., Salem Rd., Reverly, Nas., CHUN, HERBERT H. (M'56), Test Equipment Engr., Motorola, Inc., 4501 Augusta 8lvd., Chicago 51, Ill. (CHUMA, NICHOLAS (A'52), Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio. CHUN, BEN H. (M'55), Electronics Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 CHUN, HERBERT H. (A'46-VA'39-M'55), Engr., Bomac Lab., Inc., Salem Rd., Beverly, Mass.
 CHUN, MELVIN E. (SW'53), Elec. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 CHUN, RAYMOND H. C. (S'55-M'57), Electronics Research Engr., Lockheed Missiles & Space Oiv., Box 3890, Honolulu, Hawaii.
 CHUNG, WILLIAM J. Y. (S'56-M'57), Esc., Salem Chull, Mass., Chull, Raymond M.Y. (S'56-M'57), Esc., Salem Chund, Milliam, Mill

- search Engr., Lockheed Missites & Space UIV., Box 3530, Honolluly, Hawaii.
 CHUNG, WILLIAM J. Y. (S'56-M'57), Jr. Engr., Foster Wheeler Corp., Houston, Tex.
 CHUNG, YOUN T. (M'55), Engr., Sylvania Elec. Prods., Inc., Needham, Mass.
 CHUNN, WALLACE B. (M'57), Electronics Specialist, USAF, Brookley AFB, MOAMA, Mobile, Ala.
 CHUPP, EMMETT W. (M'56), Nuclear Group Engr., Lockheed Nuclear Prods., Dawsonville, Ga.
 CHURCH, ALLEN B. (S'54-M'55), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M.
 CHURCH, ANTHONY K. UA 45), Engr., KFAB Breadcasting Co., Omaha, Neb.
 CHURCH, CHARLES H. (S'56-M'59), Assoc. Physicist, Central Research Lab., Crucible Steel Co. of America, 234 Adwood St., Pittsburgh 13, Pa.
 CHURCH, CURTIS J. (M'46), Field Engr., Raytheon Mfg.
- CHURCH, CURTIS J. (M'46), Field Engr., Raytheon Mfg. Co., Waltham 54, Mass.

- CHURCH, GEORGE W. (SM'56), Engrg. Mgr., Aviation Electronics Prods., Bendix Radio Div., Towson 4, Md.
 CHURCH, GERALD C. (M'57), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 CHURCH, HOWARD V. (M'5B), Radio Engr., Central Vermont Public Service Corp., 77 Grove St., Rutland, Vt.
 CHURCH, RANDOLPH (A'53-M'59), Prof. & Chmn., Mathematics & Mechanics Dept., U. S. Naval Postgraduate School, Monterey, Calif.

- CHURCH, SAMUEL E. (S'47-A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.: CHURCH, THEODORE S. (S'46-A'48-M'49-SM'54), Mgr., Electronic Research Dept., Sandia Corp., Sandia Base, Albuquerque, N.M.

- Electronic Research Dept., Sandia Corp., Sandia Base, Albuquerque, N.M.
 CHURCH, THORNTON A. (A'51), Electronics Engr., Grumman Aircraft Engrg. Corp., Bethage, L.I., N.Y.
 CHURCHILL, DANIEL W. (A'56), Consulting Radio Engr., Consultant Associates, 106 Park St., Springfield, Vt.
 CHURCHILL, DELOS B. (M'47), 57. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 CHURCHILL, HAROLD J. (A'47-M'53), Project Engr., Philadelphia 44, Pa.
 CHURCHILL, LAWRENCE S. (M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 CHURCHILL, LAWRENCE S. (M:57), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 CHURCHILL, PAUL K. (SM'5B), Process Engr., GE Co.,
 13 & Payne Sts., Tell City, Ind.
 CHURCHILL, PAUL K. (SM'5B), Process Engr., GE Co.,
 13 & Payne Sts., Tell City, Ind.
 CHURCHILL, ROBERT W. (S'57-M'5B), Evaluation Engr.,
 Minneapolis-Moneywell Regulator Co., 2600 Ridgeway
 Rd., Minneapolis, Minn.
 CHURCHILL, ROBERT D. (A'44-M'55), Radio Dev. Engr.,
 Marconi's W/T Co., Ltd., Lawford Lane, Writtle, Essex,
 England.
 CHURCH, ELIE (A'38), Engr., Laboratoire Saipe, 19 Rue
- Engiano.
 CHURG, ELIE (A'38), Engr., Laboratoire Saipe, 19 Rue
 Montreuit, Pantin, Seine, France.
 CHURLIN, EDWARD (A'55), Customer Service Engr., Alwac
 Div., El-tronics, Inc., 13040 S. Cerise Ave., Hawthorne,
 Calif.
- Call:
 CHUTCHIAN, ZAREH S. (M'59), Electronics Engr., Sylvania
 Elec. Prods., Inc., Woburn, Mass.
 CHUTE, DUDLEY H. (M'45), Engr., Genl. Radio Co.,
 22 Baker Ave., West Concord, Mass.
 CHUTE, GEORGE M. (SM'54), Prof., Elec. Engrg., Univ.
 of Detroit 21, Mich.

- of Detroit 21, Mich.
 CHUTE, RAY D. (M'53), Genl. Foreman, Autonetics Div., No. Amer. Aviation, Downey, Calif.
 CHWASTYK, ADOLPH M. (A'52-M'54), Electronics Engr., The Johns Hopkins Univ., Silver Spring, Md.
 CHYNOWETH, WILLIAM R. (A'50-M'55-SM'55), Project Engr., GE Co., Syracuse, N.Y.
 CIAFFARDINI, ALDO N. (A'59), Sr. Engr., Space Technology Labs., Patrick AFB, Fia.
 CIANELA, DONALD J. (M'53), Publications Engr., Remington Rand Univac, 19 St. & Allegheny Ave., Philadelphia 29, Pa.
- CIANY, MATTHEW C. (S'51-A'52-M'5B), Engr., Westing-house Elec. Corp., Friendship Internatl. Airport, Baltimore 27, Md.
- CIARROCCHI, JOHN A. (S'54-M'56), Engr., RCA, Camden,
- CIASCHINI, WALTER (S'45-A'47-M'55), Mgr., Field Service, Ordnance Dept., GE Co., Plastic Ave., Pittsfield, Mass.

- Service, Oronance Dept., GE Co., Plastic Ave., Pittsfield, Mass.

 CICCHETTI, JOHN B. (SM'59), Sr. Mem. Tech. Staff, ITT Labs., Bledsoe St., San Fernando, Calif.

 CICCIARELLA, CHARLES (M'5B), Electronics Engr., Diamond Artenna & Microwave Corp., 7 North Ave., Wakefield, Mass.

 CICCOLELLA, DAVID F. (SM'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 CICCORICCO, FRANCIS A. (M'56), Consulting Engr., 6 Monroe Hgts., Cortland, N.Y.

 CICERONI, SILVIO (A'55), Radio & TV Technician, Eletro-Radio "Termini", Via D'Azeglio 3/B, Rome, Italy.

 CICHANOWICZ, HENRY J. (A'53-M'5B), Engr., Westinghouse Elec. Corp., Friendship Internati. Alport, Baltimore, Md.
- Md.

 CICHON, HENRY P. (M'57), Electronics Dev. & Design Engr., RCA, Camden, N.J.

 CIESLAK, ARTHUR B. (M'59), Supvy. Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.

 CIFU, JOHN L. (S'54-M'56), Design Engr., Missile Div., Ford Instrument Co., 3610 Northern Blvd., Long Island CIHAK WILLIAMS.
- CIHAK, WILLIAM E. (A'47), V.P., Engrg., Nelson Tech. Enterprises, 116 1/2 W. Main St., St. Charles, III. CILETTI, VINCENT J. (S'48-A'49-M'55), Engrg. Group Supvr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- Philadelphia 44, Pa.

 CILKE, HOWARD J. (S'56-M'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 CILLUFFO, JOSEPH S. (A'55), Principal Design Engr., Missile Systems Div., Republic Aviation Corp., 223

 Jericho Toke., Mineola, L.I., N.Y.

 CILYO, FRANK F., JR. (S'46-A'49-M'52), Technologist, Instrumentation & Control, U. S. Steel Corp., Applied Research Lab., Monroeville, Pa.

- Instrumentation & Control, U. S. Steel Corp., Applied Research Lab., Monroeville, Pa.

 CIMAGALLI, VALERIO R. (4'5B), Research Engr., Fondazione Ugo Bordoni, 1B9 Viale Trastevere, Roma 821, Raly.

 CIMBA, JOHN (S'50-A'51-M'5B), Box 261, Dunlo, Pa.

 CIMBLERIS, BORISAS (S'54-M'5B), C. N. E. N., Ave. Marechal, Camara 350, Rio de Janeiro, Brazil.

 CIMCRMAN, ISAAC (S'53-A'55), Project Engr., RCA, Camden 2, N.J.

 CIMORELLI, JOSEPH T. (A'41-SM'45), Mgr., Mfg., Receiving Tube Operations, RCA, Harrison, N.J.

 CINDRIC, GEORGE T. (SM'56), Engr., Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 26, Mich.

 CINELLI, GABRIEL, JR. (S'55-M'56), Research Assoc., American Machine & Foundry Co., 1104 S. Wabbash, Chicago, III.

 CINELLI, HERCULES L. (S'49-A'51-M'56), Engr., EDO Corp., College Point 56, L.I., N.Y.

 CINES, SANFORD M. (A'5B), Engr., Aide, Instruments for Industry, Inc., 101 New South Rd., Hicksville, L.I., N.Y.

 CINOUEMANI, ALVIN P. (M'56), Supvr., Elec. Standards,

- CINQUEMANI, ALVIN P. (M'56), Supvr., Elec. Standards, Hughes Aircraft Co., Box 11337, Tucson, Ariz.

CIOCCA, FELIX J. (S'53-A'54-M'59), Sr. Electronics Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Orio. CIONI, GIUSEPPE (S'49-A'50), Engr., Tech. Dept., S.I.R.T.I., V. Pirelli 20, Milano, Italy. CIPHER, JOHN A. (S'56-M'5B), Field Engr., GE Co., Syracuse, N.Y.

- 126 -

- CIPOLLA, ANTHONY P. (S'54-A'55), Principal Engr., Lewyt Mfg. Corp., 43-22 Queens St., Long Island City, N.Y.

- N.Y.

 CIPRAY, F. J. (A'5B), Radio Dept. Supvr., City of Lakeland, Lakeland, Fla.

 CIRBO, ALFRED J. (S'57-A'57), Testing Technician, Gertsch Prods., Inc., 3211 S. La Cienega, Los Angeles 16, Calif.

 CIRIMELE, EUCENE F. (M'59), Production Type Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 CIRINCIONE, GREGORY V. (S'55-M'56), Electronic Scientist, Diamond Ordnance Fuze Labs., Washington 25, D. C.

 CIRUL, JOHN W. (M'58), Design Engr., GE Co., 316 E. 9 St., Owensboro, Ky.

 CIRULIS, ULDIS (M'58), Engr., ITT Labs., Nutley 10, N.J.

- CISEK, THEDDORE G. (S'5B-M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y. CISKANIK, MARTIN J. (A'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.
- Gyroscope Co., Great Neck, L.I., N.Y.

 CISLER, MARVIN C. (SM'52), Mgr., Components Engrg.,
 Communication Prods. Dept., GE Co., Syracuse, N.Y.

 CISNE, LUTHER E. (A'47-M'55), Supt., Production Engrg.,
 Sperry Electronic Tube Div., Gainesville, Fla

 CISNEROS, ISAAC (M'57), Design Engr., H.E. Bouay,
 Consultant Engrs., 5009 Caroline St., Houston, Tex.

 CIYELLO, JOSEPH R. (M'57), Dev. Engr., Western Electric
 Co., Winston-Salem, N. C.

- CO., Winston-Salem, N. C., C., Constant, Western Liebble Co., Winston-Salem, N. C. (VIVIN, CHESTER J. (M'55), Mgr., Engrg. Data, LMED, GE Co., Utica, N. Y. CLARR, DONALD E. (S'50-A'51-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. CLASSEN, F. S. (A'44-M'55), Project Supvr., New York Telephone Co., 140 West St., New York 7, N. Y. CLABAUGH, GEORGE E. (M'59), Asst. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex. CLABAUGH, ROBERT G. (S'53-M'56), Head, Research & Dev., Group, Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif.

- Burbank, Calif.

 CLABORN, KENNETH D. (A'53-M'5B), Project Engr., Bendix Radio Div., Towson 4, Md.

 CLABOUGH, E. MELVYN (A'54), Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 CLACK, HERBERT W. (A'54), Test Engr., Convair-Astronautics, San Diego 12, Calif.

 CLAFLIN, BRUCE B. (S'57-M'59), Instr., Northeastern Univ., 366 Huntington Ave., Boston, Mass.

 CLAFLIN, RAYMOND E., JR. (S'51-A'52-M'57), Project Engr., Oilgear Co., 679 Main St., Waltham, Mass.

 CLAIR, FREDERIC F. (M'56), TechRep Field Engr., Philico TechRep Div., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 CLAIR, JOHN D. (M'56), Pres., Tripac Engrn. Com.

- Philos Technep DIV., 22 St. & Lenigh Ave., Philadelphia 32, Pa.
 CLAIR, JOHN D. (M'56), Pres., Tripac Engrg. Corp.,
 4501 Saul Rd., Kensington, Md.
 CLANCY, JOHN E. (M'59), Field Engr., Hazeltine
 Electronics Div., Little Neck, L.I., N. Y.
 CLANTON, ESLY A. (M'59), Components Engr., GE Co.,
 HMED, Syracuse, N. Y.
 CLANTON, HENRY M. (S'49-A'51-SM'52), Lt. Col.,
 Redstone Arsenal, Ala.
 CLANTON, ROBERT A. (S'53-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Box 2097, Fullerton, Calif.
 CLAPP, CHARLES W. (A'43-M'55), Consulting Physicist,
 GE Co., West Lynn, Mass.
 CLAPP, EDSON B. (A'49-M'55), Elec. Engr., Ryan
 Aeronautical Co., Lindberg Field, San Diego I2, Calif.
 CLAPP, FRED D. (S'43-A'44-M'45-SM'52), Research
 Engr., Electronics Research Lab., Antenna Group, Univ.
 of California, Berkeley 4, Calif.
 CLAPP, GEORGE V., JR. (S'51-A'53-M'58), Mem. Tech.

- CLAPP, FRED D. (S'43-A'44-M'45-SM'52), Research Engr., Electronics Research Lab., Antenna Group, Univ. of California, Berkeley 4, Calif.
 CLAPP, GEORGE V., JR. (S'51-A'53-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 CLAPP, JAMES K. (A'24-M'28-F'33), Retired "Happy Landing", Manasota Key, Englewood, Fla.
 CLAPP, MAURICE F. (A'55), Chief Engr., Rutherford Electronics Co., B944 Lindblade, Culver City, Calif.
 CLAPP, REGINALD O. (A'54-M'57), Communications Instr., Colombo Plan (Canada), Govt. of Indonesia.
 CLAPP, RICHARD G. (A'35-SM'44), Exec. Engr., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.
 CLAPP, ROGER E. (S'42-A'44-M'55), Physicist, 2 Gray Gardens, E., Cambridge 3B, Mass.
 CLAPP, ROGER W. (M'53-SM'57), Acting Mgr., Antenna Research Deot., Hughes Aircraft Co., Culver City, Calif.
 CLAPPER, HAROLD T. (S'53-A'57), Elec. Engr., Navy Deot., Bureau of Yards & Docks, Washington Z5, D.C.
 CLAPSADDLE, ARTHUR B. (S'57-M'5B), Elec. Design Engr., Fairchild Aircraft Oiv., Hagerstown, Md.
 CLARANCE, ALVAH L. (A'38-M'55), Engr. Sect. Mgr., Philoc Orn., C & Tioga Sts., Philadelphia 34, Pa.
 CLARAS, CARL W. (M'51), Head, Electronics & Engr., Revere Camera Co., 320 E. 215., Chicago 16, Ill.
 CLARDY, DICK E. (S'55-M'56), Box 77B5, University Sta., Austin 12, Tex.
 CLARDY, LEROY (A'44-M'50), Physicist, Swift & Co., Union Stock Yards, Chicago 9, Ill.
 CLARE, EDWARD T. (SM'56), Mgr., Support Service, Comvair-Astronautics, San Diego 1, Calif.
 CLARK, ADRIAN E., JR. (A'5B), Pers. Adrian E. Clark, Jr., Inc., 1 Bond St., Westbury, L. I., N.Y.
 CLARK, ADRIAN E., JR. (A'5B), Pers. Adrian E. Clark, Jr., Inc., 1 Bond St., Westbury, L. I., N.Y.
 CLARK, ADRIAN E., JR. (A'5B), Pers. Adrian S. CLARK, ADRIAN N. (A'56), V. P., & Editor, D. Van Nostrand Co., Inc., 120 Alexander St., Princeton, N.J.
 CLARK, ADRIAN E., JR. (A'5B), Pers. Adrian E. Clark, Jr., Inc., 1 Bond St., Westbury, L. I., N.Y.
 CLARK, ADRIAN C., L., N.Y.
 CLARK, ADRIAN C., L., N.Y.
 CLARK, ADRIAN C., L., I., N.Y.
 CLARK, ADRIAN C., L., N.Y.

- CLARK, ARNOLD H. (M'50), Mfrs' Rep., 4269 Brumbaugh Blvd., Dayton, Ohio. CLARK, ARTHUR D. (M'56), Supvry. Electronics Engr., USAF, Directorate of Systems Mngt., Air Research Dev. Command, Wright-Patterson AFB, Ohio.
- Command, Wright-Patterson AFB, Ohio.

 CLARK, BERNARD L. (M'46), Mgr., West Coast Area, Electronics Service Dept., Westinghouse Elec. Corp., 600 St. Paul Ave., Los Angeles 17, Calif.

 CLARK, C. BRUCE (S'41-A'45-M'46), Sr. Research Engr., Stanford Research Institute, Menlo Park, Calif.

 CLARK, CALVIN M. (S'44-A'48-M'54), Research Engr., California Research Corp., Box 446, La Habra, Calif.

 CLARK, CHARLES E. (A'50), Chief Engr., Marietta Broadcasting Co., Box 201, Marietta, Ohio.

 CLARK, CHARLES E. (A'56), 1517 Michigan Ave., Alamogordo, N.M.

- Alamogordo, N.M.
- Alamogordo, N. M.
 CLARK, CLAYTON (S'45-A'48-SM'50), Prof., Elec.
 Engra., Utah State Univ., Logan, Utah.
 CLARK, CLAYTON J. (M'52), Sr. Dev. Engr., Goodyear
 Aircraft Co., Litchfield Park, Ariz.
 CLARK, DANIEL C. (S'55-A'56-M'5B), Instrument Engr.,
 Comell Aeronautical Lab., 4455 Genesee St., Buffalo,
- N.Y.
 CLARK, DANIEL E. (S'43-M'45-SM'4B), Dir., Research
 Genl. Telephone Labs., Northlake, III.
 CLARK, DANIEL K. (S'55-M'57), Engr., Motorola, Inc.,
 4501 W. Augusta Blvd., Chicago, III.
 CLARK, DAVID B. (S'57-M'5B), Electronics Engr.,
 Stromberg-Carlson Co., 1400 N. Goodman St., Rochester
 9, N.Y.
- 9, N.Y.

 CLARK, DENNIS R. (S'54-M'57), Electronics Engr.,
 Packard Bell Electronics Copp., 12333 W. Olympic
 Blvd., Los Angeles 64, Calif.

 CLARK, DONALD G. (S'57-M'5B), Sr. Engr., Haller,
 Raymond & Brown, Inc., Science Park, State College,
 Pa.

- Pa.

 CLARK, DONALD L. (S'45-A'45-M'55), Co-Group Leader, MIT Lincoln Lab., Lexington 73, Mass.

 CLARK, DONALD P. (M'54), Gowt. Rep., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

 CLARK, DOUGLAS, JR. (A'49-M'55), Group Leader, Computers, Autonetics Div., No. Amer. Aviation, Downey, Calif. CLARK, DOUGLAS K. (M'5B), Engrg. Technician, USAF, Griffiss AFB, N.Y.
- CLARK, E. GARY (4'49-M'55-SM'59), Dept. Mgr., Burroughs Corp., Research Center, Paoli, Pa.

 CLARK, EDWARD C. (S'56-M'59), Electronics Engr., Hallamore Electronics Co., B352 Brookhurst St.,

 CLARK, EDWARD H. (A'42), V.P., Engrg., Booth Broadcasting Co., 3100 David Broderick Tower, Detroit 26, Mich.
- Mich.

 CLARK, EDWIN L. (A'31-VA'39-SM'48), Mgr., TV Receiver Circuit Design, RCA, Camden B, N.J.

 CLARK, ELVYN N. (A'55), Sr. Instr., GE Co., Syracuse,
- N.Y.
 CLARK, F. EARLE (A'50-M'55), Genl. Mgr., Clark
 Crystal Co., 2 Farm Rd., Marlboro, Mass.
 CLARK, FLOYD R. (S'50-A'55), Asst. Project Mgr., Digital
 Computer Lab., PhiloCorp., 4700 Wissahickon Ave.,
 Philadelphia 44, Pa.
- Description of the control of the co

- CLARK, GEORGE E. JR. (A'53), Chrm., Computational Lab., The Johns Hopkins Univ., Operations Research Office, Bethesda, Md.

 CLARK, GEORGE J., III (A'57), Engr., Sperry Gyroscope Co., Garden City, L.I., N.Y.

 CLARK, GEORGE L. (S'49-M'55), Mem. Tech. Staff, Space Technology Labs., Box 95002, Los Angeles 45, Calif.

 CLARK, GERALD J. (A'58) Electronics Technician, Univ. of Rochester A.E.C. 130" Cyclotron Lab., River Campus, River Bldg., Rochester 20, N.Y.

 CLARK, GERALD J. (A'58) Box 185. Union, Me.

 CLARK, GLBERT F. (M'50), Sr. Contracts Administrator, GE.

 Co., Computor Dept., 1103 N. Central Ave., Phoenix, Ariz.

 CLARK, GORDON L. (S'42-A'44-M'55), Value Engr., USN Bureau of Aeronautics, Washington 25. D.C.

 CLARK, HARDIN T. (SM'47), Mgr., Engr., Administration, DSD. GE. Co., Syracuse, N.Y.

 CLARK, HARDIN T. (M'58), Sr. Prod. Engr., Internatl. Resistance Co., Burlington, Iowa.

 CLARK, HARDLD L. (M'58), Sr. Prod. Engr., Internatl. Resistance Co., Burlington, Iowa.

 CLARK, HARY L. (S'51-A'52-M'56), Pield Engr., Stavid Engr., Inc., Hwy. 22, Plainfield, N.J.

 CLARK, HOMER L. (S'37-A'40-M'46-SM'52), Asst. Chief, Optics Div., Combat Surveillance Dept., U.S. Army Electronics Proving Ground, Ft. Huachuca, Ariz.

 CLARK, JAMES L. (SM'54), Mgr., E. & P. Services, CGS Labs., 391 Ludlow St., Stamford, Conn.

 CLARK, JAMES S. (SM'54), Mgr., E. & P. Services, CGS Labs., 391 Ludlow St., Stamford, Conn.

 CLARK, JAMES S. (SM'54), Mgr., E. & P. Services, CGS Labs., 391 Ludlow St., Stamford, Conn.

 CLARK, JAMES S. (SM'54), Mgr., E. & P. Services, CGS Labs., 391 Ludlow St., Stamford, Conn.

 CLARK, JAMES S. (SM'54), Mgr., E. & P. Services, CGS Labs., 391 Ludlow St., Stamford, Conn.

 CLARK, JAMES S. (SH'54), Mgr., E. & P. Services, CGS Labs., 391 Ludlow St., Stamford, Conn.

 CLARK, JAMES S. (Sh'54), Mgr., E. & P. Services, CGS Labs., 391 Ludlow St., Stamford, Conn.

 CLARK, JOHNE S. (Shifahm Ad., Southend-on-Sea, Essex, England.

 CLARK, JOHNE S. (Shifahm Ad., Southend-on-Sea, Essex, England.

- CLARK, JOHN F. (S'41-A'44-M'45-SM'47), Chief, Planetary Sciences Programs, Natl. Aeronautics & Space Administration, Washington 25, D.C.
- CLARK, JOHN F., III (M'5B) Radio Communications Rep., Motorola C & E, Inc., 6555 Sunset Blvd., Hollywood 28, Calif.
- Cair.

 CLARK, JOHN H. (A'44-M'55), Equipment Design Specialist & Sect Leader, Sylvania Elec. Prods., Inc., Emporium, Pa.

 CLARK, JOHN J., JR. (M'5B), Asst. Physicist, Comell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N.Y.

CLA-CLE - 127 -

- CLARK, JOHN M. (S'56-M'57), System Engr., 18M,
- Kingston, N.Y.
 CLARK, JOHN R. (S'39-A'42-M'47-SM'48), Principal
 Engr., Famsworth Electronics Co., 3700 E. Pontiac
 St., Ft. Wayne, Ind.
- St., Ft. Wayne, Ind.
 CLARK, JOHN S. (S'56-M'57), Asst. Engr., AT&T Co.,
 811 Main St., Kansas City 5, Mo.
 CLARK, JOHN T. (A'52-SM'52), Chief Engr., ElRad Mfg. Co., 4300 N. California Ave., Chicago I8, III.
 CLARK, JOHN T., JR. (A'54), Dev. Engr., ITT Labs.,
 Nutley 10, N.J.
- CLARK, JOHN W. (A'41-M'45-SM'58). Head, Nuclear Electronics Dept., Hughes Aircraft Co., Culver City, Calif.
- CLARK, JOSEPH G. (M¹59), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 CLARK, LEON R. (SM¹58), Mem. Tech. Staff, Space Technology Labs., Inc., 5730 Arbor Vitae St., Los Angeles 45, Calif.
- CLARK, LEROY T. (A'55), Genl. Supvr., Quality Control, Convair, Ft. Worth, Tex. CLARK, LEVI G. (A'48), TV Engr., KING-TV, 320 Aurora, Seattle 9, Wash.
- CLARK, LOUIS E. (A'27-VA'39), 298 Highwood Ave., Glen Rock, N.J.

- Glen Rock, N.J.

 CLARK, LOUIS P. (SM'56), V.P., Asst. Genl. Mgr.,
 Radiation, Inc., Box 37, Melbourne, Fla.

 CLARK, M. CLIFFORD (M'57), Asst. Project Engr.,
 Bendix Radio Oiv., Towson 4, Md.

 CLARK, MALCOLM M. (A'50-M'55), Engr., GE Co.,
 HMED, Synacuse, N. Y.

 CLARK, MARTIN E. (S'43-A'45-SM'51), Mgr.,
 Transistor Prod. Engrg., GE Co., Syracuse, N. Y.

 CLARK, MASON A. (SM'56), Head Dev., Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City,
 Calif.

 CLARK, MAIDICE P. (A'53-A'454) Supple Supplements
- Calif.

 CLARK, MAURICE R. (A'51-M'56), Supvr., Hughes
 Aircraft Co., Box 5555, Tucson, Ariz.

 CLARK, MELVIN C. (M'56), Scientist, Project Vanguard,
 Ft. Stewart, Ga.; Satellite Tracking Sta. 2, Bendix
 Radio Div., Baltimore 4, Md.
- CLARK, MERRITT C. (S'56-M'58), Engr., Southern New England Telephone Co., 227 Church St., New Haven,
- CLARK, MICHAEL F. (A158), VP-49, FPO, New York,
- N. Y.
 CLARK, MILLARD J. (A'52), Sr. Engr., Hazeltine
 Electronics Corp., Little Neck 62, L.I., N. Y.
 CLARK, NATHAN R. (M'55), Mgr., Small Industrial
 Capacitor Prod. Engrs., GE Co., Hudson Falls, N. Y.
 CLARK, NEIL, JR. (S'43-A'45-M'55), Principal Engr.,
 Mech. Div., Genl. Mills, Inc., 2003 E. Hennepin Ave.,
 Minneapolis, Minn.
- Minneapolis, Minn.

 CLARK, NOEL M. (S'53-M'55), Electronics Engr.,
 National Co., Inc., 61 Sheman St., Malden 48, Mass.

 CLARK, NORMAN F. (A'55), Microwave Engr., Genl.
 Communications Co., 677 Beacon St., Boston 15, Mass.

 CLARK, NORMAN M. (S'43-A'45-M'55), Field Engr.,
 Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 CLARK, OMER (S'41-A'43-M'49-SM'55), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N.J.

 CLARK, PAUL A. (S'54-M'56), Design Engr., Aerojet
 Genl. Corp., Box 296, Azusa, Calif.

 CLARK, PAUL H. (SM'53), Mgr., RCA Defense Electronic
 Prods., 224 N. Wilkinson St., Dayton 2, Ohlo.

 CLARK, PAUL R. (A'56), 5149 N. Seymour Rd., Flushing,
 Mich.

- CLARK, PAUL S. (A'55), Systems Engr., GE Co.,
- CLARK, PHILIP B. (S'51-A'53-M'58), Owner, Mgr., Empire Services, R.D. 3, Skaneateles, N.Y. CLARK, RALPH D. (M'57), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5730 Arbor Vitae, Los Angeles 45, Calif.
- Calif.

 CLARK, RALPH L. (A'29-SM'48-F'58), Mgr., Washington Office, Stanford Research Institute, 711 14 St., N.W., Washington 5, D.C.

 CLARK, RICHARD W., JR. (M'56), Design Engr., Genl. Controls, 801 Allen St., Glendale, Calif.

 CLARK, ROBERT A. (M'88), Elec. Engr., Datamatic Div., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton Highlands 61, Mass.

- CLARK, ROBERT A., JR. (M'45), Pres., Communication Equipment & Engrg. Co., 5646 W. Race St., Chicago 44, III.
- CLARK, ROBERT G. (A'31-M'43-SM'43), Deputy Dir., SHAPE Air Defense Technical Center, Box 174, The Hague, Netherlands. CLARK, ROBERT G. (S'4B-A'50-M'55), Engr., GE Co., Richland, Wash.
- CLARK, ROBERT G. (S'53-A'54), Engr., Rectifier & Traction Equipment, Westinghouse Elec. Corp., East Pittsburgh, Pa.
- Pittsburgh, Pa.

 CLARK, ROBERT K. (J'30-A'30-VA'39-M'55), Transmitter Super, WJRT Div., The Goodwill Sta., Inc., 2302
 Lapeer Rd., Flint 3, Mich.
 CLARK, ROBERT N. (A'53-M'56), Asst. Prof., Elec.
 Engra. Dept., Univ. of Washington, Seattle 5, Wash.
 CLARK, ROBERT N. (A'53-M'56), Memphis State College,
 Memphis, Tenn.
- CLARK, ROBERT V. (A'49-M'55), Asst. Business Mgr., Cook Research Labs., 6401 Oakton St., Morton Grove, III.
- CLARK, ROBERT W. (A'29-VA'39-SM'54), Pres., Rayco Electronic Mfg., Inc., 11116 Cumpston St., North Hollywood, Calif.
- Hollywood, Calif.

 CLARK, RODNEY A. (M'58), Tech. Supvr., Canadian Broadcasting Corp., Windsor, Ont., Canada.

 CLARK, ROLAND R. (A'43-M'48), Sr. Research Specialist, Natl. Cash Register Co., K St. & Far Hills, Dayton, Ohio.

 CLARK, RONALD E. (S'55-A'58), 2714 Washington, N.E., Albuquerque, N.M.

 CLARK, RONALD J. (S'57-M'59), Dept. of Defense, Washington 25, D.C.

 CLARK, RONALD R. (S'57-M'59), Instr., Elec. Engrg., Univ. of New Hampshire, Durham, N.H.

 CLARK, SILAS F. (A'40-M'55), Mem. Tech. Staff, Hughes Airraft Co., Box 90902, Airport Sta., Los Angeles 45, Calif.

 CLARK, STEWART M. (M'58), CKLW, Windsor, Ont.,

- CLARK, STEWART M. (M'58), CKLW, Windsor, Ont.,

- CLARK, THEODORE G. (A'47-M'55), Supt., Engro. Coordination, Western Electric Co., 220 Church St.,
- Coordination, Western Electric Co., 220 Church St., New York, N.Y.

 CLARK, THOMAS C. (M'47-SM'52), Mktg. Mgr., Communications Div., Hughes Aircraft Co., Box 90902, Airport Sta., Los Angeles 45, Calif.

 CLARK, THOMAS D. (S'57-A'58), King Salmon, Alaska.

 CLARK, TRAVIS L. (S'54-M'57), Mem. Tech. Staff, Ground Systems Div., Hughes Aircraft Co., Fullerton, Calif.
- CLARK, TREVOR H. (A'32-SM'45), Asst. to Engrg. Mgr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md.
- Airport, Baltimore 27, Md.

 CLARK, VICTOR C. (A'54-SM'59), Chief, Landing Aids
 Branch, FAA, Washington 25, D.C.

 CLARK, W. BARRY (A'34-SM'45), TV Engr., Dominion
 Electrohome Industries, Ltd., Kitchener, Ort., Canada.

 CLARK, W. E. (M'57). 563 Cool Air Dr., Dallas 18. Tex.

 CLARK, W. RUSSELL (A'36-SM'47), Mgr., Prod. Engr.,

 Div., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.
- CLARK, WARREN L. (M'59), Sr. Design Engr., Lockheed Aircraft Service, Box 33, Ontario, Calif. CLARK, WELDON B. (S'55-M'57), Aircraft Engr., Trans World Airlines, Inc., Mid-Cont. Internatl. Airport, Kansas City 5, Mo.
- CLY >, MO.

 CLARK, WESLEY A. (A'53), Staff Mem., MIT Lincoln Lab.,

 Cambridge, Mass.

 CLARK, WILLIAM A. (S'51-A'53-M'58), Project Engr.,

 Burroughs Research Center, Paoli, Pa.

 CLARK WILLIAM H., JR. (M'58), 5452 Mitchel Dr., Day
 ron (bin)

- ton, Óhio.

 CLARKE, ALLEN S. (A'25-SM'47), Pres., Nems-Clarke Co., 919 Jesup Blair Dr., Silver Spring, Md.

 CLARKE, ARTHUR F., JR. (A'53-M'59), Sr. Engr., Air Reduction Co., Clamont St., Union, N.J.

 CLARKE, ARTHUR G. (A'52), Technician, Convair-Astronautics, San Diego 12, Calif.

 CLARKE, C. V., JR. (A'52-M'57), Sr. Engr., Gates Radio Co., 123 Hampshire St., Quincy, III.

 CLARKE CHARLES E. (S'49-A'52-M'57), Sr. Engr., Research Dept., Philo Corp., 4700 Wissachickon Ave., Philadelphia 44, Pa.

 CLARKE DONALD R. (A'55-M'58), System Engr., Bell Tel.
- Philadelphia 44, Pa.
 CLARKE DONALD R. (A'55-M'58), System Engr., Bell Tel.
 Labs., Sage Bidg., McGuire AFB, N.J.
 CLARKE DONALD R. (M'56), Project Engr., RCA, 11819
 W. Olympic Blvd., Los Angeles 62, Calif.
 CLARKE, EDWARD L. (A'58), 601 E. 65 St., Kansas City,

- CLARKE, FRANK H. (SM'58), 1413 K St., N.W., Washington 5, D.C.

- CLARKE, HERBERT W. (A'50-M'58), The Start, N.W., Washington 5, D.C.

 CLARKE, FRANK H., JR. (SM'54), Mem. Tech. Staff, Space Technology Labs., Inc., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

 CLARKE, GEORGE F. (A'39), "The Shielling", Monkshanger, Famham, Surrey, England.

 CLARKE, GERALD M. (M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 CLARKE, GERALD W. (S'51-A'52-M'57), Electronics Engr., Convair-Astronautics, Box 1128, San Diego, Calif.

 CLARKE, HERBERT W. (A'50-M'58), Engr., Canadian Marconi Co., Ltd., 2442 Trenton Ave., Montreal 16, P.Q., Clarke, CLARKE, I. A. (Al49-MISE)

- Canada .

 CLARKE , I. A. (A'48-M'55), Rep., Sales Engr., Box 9, Rydal, Pa.

 CLARKE , JAMES M. (M'59), Field Service Rep., LMED, GE.
 Co., Utica, N.Y.

 CLARKE , JOHN N. (A'30-M'54), Retired, 200 51 Ave.,
 Lachine 32, P.O., Canada.

 CLARKE , JOHN W. (A'59), Sr. Lab. Instr., Northern Institute of Technology, 86 Bathurst St., Teronto, Ont., Canada.

 CLARKE, KENNETH K. (S'46-A'49-M'55), Asst. Prof., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.

 CLARKE, LINCIEN C. (A'48-M'55) (ASST.) Proc.
- CLARKE, LUCIEN G. (A'45-M'55-SM'55), Asst. Dir., Engrg. Research, Stanford Research Institute, Menlo Park, Calif.
- CLARKE, RALPH E. (M'58), Electronics Editor, Nelson Technical Enterprises, Inc., 116 1/2 W. Main St., St. Charles,
- CLARKE, RICHARD L. (S'48-A'49-M'55), Research Engr. Midwest Research Institute, 425 Volker Blvd., Kansas City 10, Mo.

- 10, Mo.
 CLARKE, ROBERT L. (A'42), Project Engr., Radiation, Inc., Melboume, Fla.
 CLARKE, VICTOR E. (M'58), Chief Engr., Gables Engrg., Inc., Box 880, Coral Gables 34, Fla.
 CLARKE, WADE E. (S'56-M'59), USN, USS Northampton, CLC-1, FPO, New York, N.Y.
 CLARKE, WALLACE E. (M'58), Engrg. Assoc., Northem Electric Co., Ltd., 250 Sindery St., Beleville, Ont., Canada. CLARKE, WILLIAM H. B. (M'58), Engr., Martin Co., Orlando, Fla.
 CLARKE, WINSTON 8. (M'59), Acting Dept. Head, Electron-

- CLARKE, WILLIAM N. B. WI 36), Eligi., Medial of ClarkE, Williston 8. (M'59), Acting Dept. Head, Electronics, Bausch & Lomb Optical Co., 635 St. Paul St., Rochester, N.Y.

 CLARKSON, HERBERT E., JR. (S'5B-M'59), Field Service & Suport Div., Hughes Aircraft Co., Culver City, Calif.

 CLARKSON, LAWRENCE (A'41-M'47), Administrative Services Mgr., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P. Q., Canada.

 CLARKSON, WILLIAM K. (M'58), 304 Primera Dr., San Antonio 12, Tex.

 CLARY, BER J. (M'59), Electronics Engr., U.S. Civil Service, White Sands Missile Range, N.M.

 CLARY, WILLIAM T., JR. (S'45-A'48-M'55-SM'55), Mem. Tech. Staff, Hughes Aircraft Co., 5330 W. Century Blvd., Los Angeles 45, Calif.

 CLASEN, CARL P. (M'57), Engr., RCA, Moorestown, N.J.

- Los Angeles 45, Calif.
 CLASEN, CARL P. (M'57). Engr., RCA. Moorestown, N.J.
 CLASEN, STANLEY M. (S'50-A'51-M'56), Electronics
 Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.
 CLASS, JAMES S. (A'55), Engr., Design & Dev., RCA, New
 Holland Pike, Lancaster, Pa.
 CLATFELTER, ARTHUR C. (SM'54), Radio Engr., Genl.
 Communications Service Co., 6325 Cherbourg, El Paso, Tex.
 CLAUER, CALVIN K. (A'51-M'56), Staff Engr., Research
 Lab., IBM, San Jose, Calif.
 CLAUNCH, FLOYD E. (M'58), Sr. Field Engr., Tech Rep
 Div., Philoc Corp., Hgrs. EAME AACS Area, APO 633,
 New York, N.Y.

- CLAUS, OTTO R., JR. (A'49), Transmitter Technician, WBAL-TV, 2610 N. Charles St., Baltimore 18, Md. CLAUSEN, ELMER B. (S'50-A'51-M'57), Advanced Dev. Engr., Sylvania Elec. Prods., Inc., 1100 Wherle Dr., Buffalo 21, N.Y.

- Buffalo 21, N.Y.

 CLAUSEN, RALPH P. (SM'54), Chief Engr., Sylvania Elec. Prods., Inc. Receiving Tube Operations, Emporium, Pa. CLAUSEN, REID H. (SM'58), Electronics Tech. Staff, Martin Co., Box 179, Denver 1, Colo. CLAUSEN, RICHARD W., JR. (A'59), Engr., New York Telephone Co., 140 West St., New York 7, N.Y.

 CLAUSEN, FRAZER W. (A'56), Field Engr., Autonetics Div., No. Amer. Aviation, 7777 Industry Ave., Rivera, Call.
- Div., No. Amer. Aviation, 7777 Industry Ave., Rivera, Calif.
 CLAVIER, ANDRE G. (M'30-F'39), Scientific Advisor to Pres., ITT Labs., Nutley 10, N.J.
 CLAVIER, PHILIPPE A. (M'48-SM'55), Project Mgr., Westinghouse Microwave Center, 310 N. Aurora, Rhaca, N.Y.
 CLAVIER, PIERRE J. (M'56), Engr. Asst. to Tech. Mgr., Compagnie Francaise Thompson-Houston, 173 Boulevard Haussmann, Paris 8, France.
 CLAVIJO-J LUIS G. (M'57), c/o Philips Colombiana S.A., Apartado Nacional 1505, Bogota, Colombia.
 CLAVIN, ALVIN (A'51-M'56), Mgr., Microwave Dept., Rantec Corp., Box 18, Calabasas, Calif.
 CLAWSON, LESTER F., JR. (S'51-A'54), Instrumentation Engr., Martin Co., Box 179, Denver 1, Colo.
 CLAY, ARNOL D. N. (S'56-M'57), Sr. Engr., ITT Labs., Nutley 10, N.J.
 CLAY, BURTON R. (SM'56), Engr., TV Div., RCA, Camden, N.J.

- N.J.

 CLAY, JOHN P. MI'54). Chief Engr., WSAZ, Inc., 201
 9 St., Huntington, W. Va.

 CLAY, JULIAN D. (A'51-M'56), Project Engr., Hughes
 Aircraft Co., Culver City, Calif.

 CLAYDON, ERNEST C. (A'58), Pres. Westfield Construction
 Co., Ltd., 2425 Grand Blvd., Montreal, P. Q., Canada.

 CLAYDON, ROBERT G. (S'55-A'56), Engr., Dept. of Defense,
 Washington 25, D.C.

 CLAYDOL, HARRY W. (A'54), Design Engr., Westinghouse
 Elec. Corp., Metuchen, N.J.

 CLAYPOOL, WILBUR S. (X'38-VA'39), Electronics Engr.,
 U.S. Forest Service Radio Lab., Agricultural Research Center,
 Beltsville, Md.

- Detisville, Md.

 CLAYTON, FRANK R. (S'56-M'59), Engr., Western Electric
 Co., Inc., Winston-Salem, N.C.

 CLAYTON, GORDON H. (A'53), Genl. Mgr., Elec. Prods.
 Div., Vickers, Inc., 1815 Locust St., St. Louis 3, Mo.

 CLAYTON, HAMILTON C. V. (A'57), Field Electronics Technician, Canadian Aviation Electronics, Ltd., 387 Sutherland
 Ave., Winnipeg, Man., Canada.
- Ave., Winnipeg, Man., Canada.
 CLAYTON, JOHN M. J19-6-A123-M'26-SM'43), Advertising
 Mgr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.
 CLAYTON, JOSEPH F. (A'50-SM'55), Program Dr., Systems
 Div., Bendix Aviation Corp., Ann Arbor, Mich.
 CLAYTON, LORIMER, JR. (A'52-M'57), Physicist, Scientific
 Atlanta, Inc., 2162 Piedmont Avi. N. E., Atlanta 9, Ga.
 CLAYTON, VINCENT E. (S'44-A'47-M'55-SM'55), Chief
 Engr. Radio Service Corp. of Utah, 145 Social Hali Ave.,
 Salt Lake City 1, Utah.

- Salt Lake City 1, Utah.

 CLEARY, CHRISTOPHER J., JR. (A'51-M'56), Electronics Component Parts Engr., GE Co., Syracuse, N.Y.

 CLEARY, DONALD R. (M'57), Research Assoc., Midwest Research Institute, 425 Volker Blud, Kansas City, Mo. CLEARY, EDMUND P. (S'43-A'45-M'55), Engr., GE Co., Box 270, Phoenix, Ariz.

 CLEARY, JAMES O. (S'48-A'52), Design Engr., Douglas Aircraft Co., Inc., 827 Lapham St., El Segundo, Calif. CLEARY, JOHN F. (A'56), Application Specialist, GE Co., Auburn, N.Y.

 CLEARY, RICHARDE (A'54)
- Aubum, N.Y.

 CLEARY, RICHARD E. (A'54), Salesman, IRE Advertising
 Dept., 1475 Broadway, New York 36, N.Y.

 CLEARY, RICHARO E. (M'53), Mathematician, Cornell
 Aeronautical Lab., Inc., 4455 Genesee St., Buffalo, N.Y.
 CLEARY, RICHARD W. (A'56), Elec. Engr., Raytheon Mfg.
 Co., Maynard, Mass.
 CLEAVES, WILLIS E. (SM'56), Dir., Sales Dev., Bendix
 Aviation Corp., Towson 4, Md.
 CLECKNER, DAVID C. (A'45-SM'51), Sect. Head, Airborne
 Research & Dev., Melpar, Inc., 3000 Arlington Blvd., Falls
 Church, Va.
 CLEE, LAWRENCE W. (A'53) Flectropics Foot 1864

- Research & Dev., Meipar, Inc., Jobo Stringwoin Frey, Lock, Church, Va.

 CLEF, LAWRENCE W. (A'53), Electronics Engr., USAF. Home: 2110 W. Olmos Dr., San Antonio 1, Tex.

 CLEETON, CLAUD E. (A'41–SM'46–F'55), Supt., Applications Research Div., Naval Research Lab., Washinst on 25, D. C.

 CLEGG, GORDON M. (A'57), Foreman, Hermetically Sealed Transformer Dept., Hammond Mfg. Co., Ltd., Edinburgh Rd., Guelph, Ord., Canada.

 CLELLAND, L. MAURICE (M'57), Supvy. Electronics Scientist, Chief, Dev. Sect. A, Multi-System Application Branch, Dept. of Army, White Sands Missile Range, N.M.

 CLEMENCE, CHARLES R. (A'55), Assoc. Research Officer, Natl. Research Council, Montreal Rd., Ottawa, Ort., Canada.
- Officer, Natl. Ont., Canada.
- UTK., Canada.

 CLEMENS, GEORGE W. (S'48-A'50-M'56), Electronics Engr., Electronics Div. Head, Quality Evaluation Lab., U.S. Naval Ammunition Depot, Concord, Calif.

 CLEMENS, JOHN F. (SM'56), Sect. Mgr., Electronics Dept., McDonnell Aircraft Corp., Box 516, St. Louis, Mo. CLEMENS, JOHN K. (M'56), Electronics Engr., Air Defense Lab., Redstone Arsenal, Ala.

 CLEMENS JULY F. (ALSO), Department of the Communication of the Communic
- Lab., Redstone Arsenal, Alá.
 CLEMENS, JULES R. (M'58), Project Elec. Engr., ITT
 Labs., Nutley 10, N.J.
 CLEMENS, ROBERT L. (S'58-A'59), TV Engr., Plains
 Television Corn., R. R. 2, Athens, III.
 CLEMENS, ROBERT W. (A'54), Supr., Electronics
 Mech. Design, Republic Guided Missies, 223
 Jericho Toke., Mineola, L.I., N.Y.
- Jericho Ipke., Mineola, L.I., N.Y.
 CLEMENT, ANDREW W. (SM'47), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 CLEMENT, ANTHONY J. F. (M'51), Corp. Secy. & Mem.
 Professional Staff, Systems Labs. Corp., 14852 Ventura
 Blvd., Sherman Oaks, Calif.
- CLEMENT, CHARLES M., JR. (S'56-A'58), Electronics Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.
- CLEMENT, FRANK J. (M'58), Mem. Tech. Staff, 8ell Tel. Labs., Murray Hill, N.J. CLEMENT, GERARD (S'57-A'58), Tech. Aide., Bell Tel. Labs., Murray Hill, N.J.

- CLEMENT, LEWIS M. (A'14-M'17-F'26XL), Consultant, Reeves Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y.
- CLEMENT, LOUIS-JEAN J. (A'53), Central Officeman, Bell Tel. Co. of Canada, 620 Belmont, Montreal P.Q., Canada
- Bell Tel. Co. of Canada, 620 Belmont, Montreal P.Q., Canada
 CLEMENT, MILTON A. (M'57), Sr. Engr., StrombergCarlson Co., 1DO Carlson Rd., Rochester 3, N.Y.
 CLEMENT, PAUL F. (S'32-A'35-WA'39-M'55), Chief
 Geophysicist, Iranian Oil Exploration & Producing Co.,
 Box 1065, Tehran, Iran
 CLEMENT, PRESTON R. (S'50-A'51-M'57), Assoc. Prof.,
 Elec. Engr., Princeton Univ., Princeton, N.J.
 CLEMENT, ROBERT R. (S'43-M'47), Supvr., Transistor
 Engr., GE Co., Syracuse 9, N.Y.
 CLEMENT, WARREN G. (A'58), Elec. Engr., Datatape
 Div., Consolidated Electrodynamics Corp., 300 Sierra
 Madre Villa, Pasadena, Calif.
 CLEMENT, WILLIAM L. (S'56-M'58), Elec. Engr., Mfg.,
 Sandia Corp., Sandia Base, Albuquenue, N.M.
 CLEMENTE, JOSEPH R. (A'57), Field Engr., IBM, KMPD,
 c/o WADS, Sage Bidg., Ft. Lee, Va.
 CLEMENTS, BENJAMIN C. (A'577), Inspector, Ampex Corp.,
 934 Charter St., Redwood City, Calif.
 CLEMENTS, CECIL C. (S'40-A'41-M'55), Elec. Engr.,
 Tennessee Coal & Iron Div., U.S. Steel Corp., Box 599,
 Fairfield, Ala.
 CLEMENTS, CRAUDE W. (SM'57), Design Group Engr.,
 Convair, Roy 248 Et Worth. To.

Tennessee Coal & Iron Div., U.S. Steel Corp., Box 599, Fairfield, Ala.

CLEMENTS, CLAUDE W. (SM'57), Design Group Engr., Convair, Box 748, Ft. Worth, Tex.

CLEMENTS, COAUDE W. (SM'53), Project Engr., MIT Servo Lab., Cambridge, Mass.

CLEMENTS, DONALD F. (M'53), Project Engr., MIT Servo Lab., Cambridge, Mass.

CLEMENTS, GEORGE J. (A'45-M'55), Assoc. Prof., College of the City of New York, 138 St. & Convent Ave., New York, N.Y.

CLEMENTS, HOWARD R. (A'57), Quality Control Engr., Chrysler Corp., 8ox 2628, Detroit 31, Mich.

CLEMENTS, LEONARD D. (S'55-M'57), Electronics Consultant, Box 342-16, Park Forest, III.

CLEMENTS, LEONARD D. (S'55-M'57), Electronics Consultant, Box 342-16, Park Forest, III.

CLEMENTS, LEOURE (S'36-A'39-SM'47), Dir., Planning Div., Difice of Dir., Defense Research & Engrg., Washington 25, D.C.

CLEMENTS, WALTER S. (S'53-A'55-M'58), Sr. Design Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

CLEMENTS, ZORA S. (A'55), Test Engr., No. Amer. Aviation, Downey, Calif.

CLEMENTS, CECo. of England, East Lane, North Wembley, Middlesex, England.

CLEMON, J. (M'53), Scientific Staff, Research Labs., GE Co. of England, East Lane, North Wembley, Middlesex, England.

CLEMON, J. KING (S'56-M'59), Lt., 820 Ordnance Co. Ammo, Ft. Benning, Ga.

Mountain View, Calif.

CLEMONS, J. KING (S'56-M'59), Lt., 820 Ordnance Co. Ammo, Ft. Benning, Ga.

CLEMONS, THOMAS C., JR. (S'56-A'57), Sr. Electronics Technician, The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

CLEMSON, D. BUCKEY (S'56-M'57), Design Engr., Westinghouse Elec. Corp., Baltimore 27, Md. CLEOTELIS, HERMES J. (S'56-M'58), Engr., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla. CLERC, MILTON C. (A'47-M'55), Sr. Engr., Texas Instruments, Inc., 3609 Bulfalo Speedway, Houston, Tex

CLERKE, BLAIR C. (A'55), Capt., Officer-In-Chg. of Workshop, Royal Canadian Elec. & Mech. Engrs., Canadian Army, 210 Workshop RCEME, Picton Military

Canadian Army, 210 Workshop RCEME, Picton Military
Camo. Picton. Ont.. Canada.
CLEVELAND, A. W. (M'46), Industrial Relations Mgr.,
Genl. Radio Co., 22 Baker Ave., West Concord, Mass.
CLEVELAND, ALBERT J. (A'57-M'58), Computer System
Inspector, USAF, Military Electronic Computer Center Div.,
1430D Tireman, Detroit, Mich.

CLEVELAND, ANDREW J. (S'58-M'58), Engr., B. & H
Instrument Co., 3479 W. Vickery, Ft. Worth 7, Tex.
CLEVELAND, AUSTIN R. (M'55), Lead Systems Design
Sect., Chance-Vought Aircraft, Inc., Dallas, Tex.
CLEVELAND, HUGH M. (M'54), Mem. Tech. Staff, Bell
Tel. Labs., Murray Hill, N.J.
CLEVELAND, LINDSAY (M'56), Tech. Writer,
Raytheon Mfg. Co., 80 High Haith Rd., Arlington
Heights 74, Mass.
CLEVELAND, VERNON K. (A'53), Tech. Writer, Admiral
Corp., 3800 Cortland, Chicago 47, Ill.
CLEVELAND, WILLIAM C., JR. (S'47-A'50-M'51-SM'55),
Chief Advanced Electronic Systems Sect., Martin Co.,
Box 179, Denver, Colo.
CLEVEN, RONALD D. (M'59), Solid State Physicist,
Miscille Electronic 18, Badadian.

CLEVEN, RONALD D. (M'59), Solid State Physicist, Missile Electronics Lab., Redstone Arsenal, Ala. CLEVENGER, JOSEPH E., JR. (5'54-M'57), Assoc. Research Engr., Engrg. Experimental Sta., Thornton Hall, Charlottesville, Va.

CLEVENSTINE, WALTER M. (A'45), Mfrs. Rep., 711
Arch St., Spring City, Pa.
CLEVERSTINE, WALTER M. (A'45), Mfrs. Rep., 711
Arch St., Spring City, Pa.
CLEVERLEY, DONALD S. (S'57-M'59), Applications Engr.,
Sylvania Elec. Prods., Inc., Woburn, Mass.
CLEWELL, DAYTON H. (M'49-SM'49-F'54), Genl. Mgr.,
Research Dept., Socony Mobil Oil Co., Inc., 150 E. 42 St.,
New York 17, N.Y.

NEW YORK 17, N.Y.

CLICKNER, G. MARVIN (S'55-M'56), Electronics Engr.,
Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.

CLIFFGARD, ARNIE L. (S'56-M'57), Design Engr.,
No. Amer. Aviation, Downey, Calif.

CLIFFORD, D. GORDON (M'45-SM'51), Regional Sales
Mgr., Tube Div., Varian Associates, 611 Hansen Way,
Palo Alto, Calif.

Wilf', Tube DI', Varian Associates, Oli Indisen Way, Palo Alto, Calif.

CLIFFORD, DONALD E. (A'51-M'58), Field Engr., Tektronix, Inc., 3100 W. Lake St., Minneapolis 16, Minn.

CLIFFORD, RICHARD F. (A'52), Sr. Electronics Engr., Martin Co., Orlando, Fla.

CLIFTON, CHARLES L. (M'55), Chief Engr., WCTV, Tallahassee, Fla.

CLIFTON, JACK K. (S'55-M'57), Project Engr., Fairchild Semiconductor Corp., 844 Charleston Rd., Palo Alto, Calif.

CLIFTON, JUNIUS L. (A'52-M'56), Industrial Engr., Tinker AFB, Oklahoma City, Okla.

CLIFTON, RALPH B. (S'55-M'58), Lt. jg, USN, Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

CLIMENT, LOUIS J. (A'41-M'49), Operations Supvr., WPIX, 220 E. 42 St., New York 17, N.Y. CLIMER, FRANK A. (S'57-M'58), Asst. Engr., Western Electric Co., Winston-Salem, N.C.

CLINE, DUDLEY E. (S'42-A'44-M'49), Electronics Engr., U. S. Army Signal Research & Dev. Lab., Ft. Monmouth,

U.S. Army Signal Research & Dev. Lab., Ft. Monmouth, N.J.

CLINE, JACK F. (A'43-SM'47), Sr. Research Engr., Stanford Research Institute, Mento Park, Calif.

CLINGER, EUGENE C. (S'50-A'51), Supvr., Rocketdyne, 6633 Canoga Ave., Canoga Park, Calif.

CLINK, WILLIAM L. (M'54), Ralston, Alta., Canada.

CLINKENGEARD, HENRY A. (A'51-M'56), Instr., FAA, Will Rogers Field, Oklahoma City, Okla.

CLINTON, ANSON B. (M'57), Sr. Field Data Specialist, Surface Communications Engro, Deat., RCA, Tucson, Ariz.

CLINTON, PATRICK J. (M'53), Instr., RCA Institute, 350 W. 4 St., New York, N.V.

CLINTON, ROBERT E. (A'45), Filight Engr., United Airlines, Inc., New York Internati. Airport, Jamalca, L.I., N.Y.

CLINTON, THOMAS G. (M'56), System Design Engr., GE Co., Syracuse, N.Y.

CLINTON, WALTER R. (M'57), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

CLINTONAN, ROBERT B. (S'56-M'58), Jr. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

CLIPPARD, RICHARD W. (A'51-M'57), Communication

CLIPPARD, RICHARD W. (A'51-M'57), Communication Engr., Florida State Tpke. Authority, Box 8008, Ft. Lauderdale, Fla.

Laucergate, Fla.

CLISCH, DONALD F. (S'56-A'58), MIII Helper, Vancouver Plywood, Ltd., Ft. Cromwell, Vancouver 9, B.C., Canada.

CLITHERO, WILLIAM H. JR. (A'50-M'58), Contract Coordinator, Hallamore Electronics Co., 714 N. Brookhurst St., Anaheim, Calif.

Ananeim, Calif.
CLOCK, DONALD P. (A'52-M'56), Design Engr., RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.
CLODFELTER, GENE C. (S'55-M'57), Elec. Engr., Moloney Electric Co., 5390 Bircher Blvd., St. Louis 20, Mo.

MO.
CLONINGER, WILLIAM C. (M'58), Engr., AT&T Co., 917
Hurt Bldg., Atlanta 3, Ga.
CLOON, ROBERT E. (S'52-A'54), Elec. Engr., Hughes
Aircraft Co., Culver City, Calif.
CLOONAN, CLIFFORD B. (S'56-M'57), Intermediate Instr.,
California State Polytechnic College, Electronic Engrg.
Dept., San Luis Obispo, Calif.

Dept., San Luís Obispo, Calif.

CLORE, WILLIAM R. (SM'57), Asst. Tech. Dir., Industrial Nucleonics Corp., Columbus 12, Ohio.

CLOSE, CHARLES M. (M'56), Asst. Prof., Rensselaer Polytechnic Institute, Troy, N.Y.

CLOSE, ERNEST F. (M'59), Elec. Engr., Magnavox Co., Bueter Rd., Ft. Wayne, Ind.

CLOSE, JOHN N. (S'54-A'56), Engr., GE Co., LMED, Utica, N.Y.

CLOSE, SICHARD N. (A'45-M'55-SM'56), Program Dir., Airborne Instrument Lab., Mineola, L.I., N.Y.

CLOSE, S. WAYNE (S'54-M'56), Components Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

CLOSSON, LUKE E. (SM'46), Chief Radio Engr., Home

CLOSSON, LUKE E. (SM'46), Chief Radio Engr., Home Radio & Export, Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.

34, Pa.

CLOTHIER, CHARLES M. (S'51-A'52-M'58), Engr.,
Sperry Gyroscope Co., Great Neck, L.I., N.Y.

CLOTHIER, ELWOOD L. (A'57), Sr. Field Engr., Raytheon
Mfg. Co., Waltham 54, Mass.

CLOTWORTHY, JOHN H. (S'46-A'47-M'55), Asst. to
Y.P., Westinghouse Elec. Corp., 40 Wall St., New York
5, N.Y.

5, N.Y.
CLOUD, HARLEY A. (S'57-M'58), 406 Massachusetts
Ave., Endicott, N.Y.
CLOUD, PETER R. (M'56), Sr. Staff Mem., Genl. Precision
Lab., Pleasantville, N.Y.
CLOUGH, KENDALL (A'27-VA'39), Consulting Engr.,
2685 Half Day Rd., Deerfield, III.

CLOUGH, ROBERT W. (M'58), 1467 Merry Lane, San Jose, Calif

San Jose, Calif.
CLOUGHERTY, JOSEPH F. (M'57), Microwave Engr.,
Raytheon Mg. Co., Wayland, Mass.
CLOUTIER, DONAT L. (S'55-M'58), Research Engr.,
MIT, Cambridge 39, Mass.
CLOUTIER, MAURICE P. (S'58-M'59), Lab. Technician,
GE Co., Burlington, Vt.
CLOWER, W. DEWEY (S'57-M'59), Tube Engr., ITT
Components Div., Box 5367, Roanoke, Va.
CLUME, ELMER F. (A'51-M'56), Electronics Unit Leader,
Bell Aircraft Corp., Niagara Falls, N.Y.
CLUME, WILLIAM T. (S'50-M'56), Supy, Engr., Plant
Ext., New York Telephone Co., 140 West St., New York,
N.Y.

Ext., New York Telephone Co., 140 West St., New York, N.Y.
CLUNIS, KENNETH M. (M'56), Project Engr., Mincom Div., Minneapolis Mining & Mfg. Co., 11701 Mississippi, Los Angeles, Calif.
CLUTE, DAVID G. (M'48), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
CLUTTER, EVERETT C. (A'47), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio.
CLUTTERHAM, DAVID R. (A'53-M'56-SM'58), Chief Engr., Computers & Controls, Martin Co., Orlando, Fla.
CLUTTS, CHARLES E. (A'48-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
CLYMAS, GEDRGE (S'55-A'56), Design Assoc., Raytheon Mrg. Co., Wayland, Mass.
CLYMER, ARTHUR B. (M'57), Specialist, Dynamics Dev., Columbus 16, Ohio.
CLYNE, WILLIAM E. (A'38-VA'39-M'49-SM'51), Marine Supvr., FCC, 326 P.O., Bildg., San Pedro, Calif.
COAKLEY, THOMAS P. (S'54-M'58), Engr., Standards Lab., U.S. Amy Electronic Proving Grounds, Ft. Huachuca, Ariz.

Ariz.

COALE, CECIL R., JR. (S'55-M'58), Design Elec. Engr., Convair, Box 748, Ft. Worth, Tex.

COALE, FRANKLIN S. (A'54), Research Engr., Microwave Engrs. Labs., 943 Industrial Ave., Palo Alto, Calif.

COAN, EDWARO M. (S'46-A'48-SM'55), Dept. Head, Vitro Lab. Div., Vitro Corp. of Armérica, 200 Pleasant Valley Way, West Orange, N. J.

COAN IONNO IN 64/47) Sert. Chief. Western Electric.

COAN, JOHN O., JR. (A'47), Sect. Chief, Western Electric Co., Chatham Rd., Winston-Salem, N.C.

COAPMAN, JAMES W. (SM'53), Pres., Missileonics, Inc.,

CUAPMAN, JAMES W. (SM'53), Pres., Missileonics, Inc., Melboume, Fla.

COATE, EDWARD F. (A'52-SM'58), Communications Engr., Trans-Australian Airlines, 339 Swanston St., Melboume, Victoria, Australia.

COATES, CLARENCE L., JR. (A'54-M'58), Communications Engr., Research Lab., GE Co., Schenectady, N.Y.

COATES, DONALD B. (M'58), Research Assoc., Stamford Univ., Stamford, Calif.

COATES, FRANK M. (M'48), Owner-Mgr., Frank's Radio Supply Co., 161 S. Adams, Spokane, Wash.

COATES, JAMES R. (S'54-M'58), Electronics Engr., USN Electronics Lab., San Diego 52, Calif.

COATES, ROBERT J. (A'47-M'55-SM'56), Electronics Scientist, Naval Research Lab., Washington, D. C.

COATES, ROBERT J. (S'51-A'54-M'58), Asst. Prof., Elec. Engr., Univ. of Pittsburgh, Pittsburgh 13, Pa.

COATNEY, ALBERT E. (A'43-M'49), Research Project Engr., 1TT Federal Div., 3200 Wayne Trace, Ft. Wayne, Ind.

Ind.
COATS, ROBERT P. (A'55), Engr., Texas Instruments,
Inc., 6000 Lemmon Ave., Dallas 9, Tex.
COATS, WILLIAM D. (S'54-M'56), Project Engr., Pedaco,
Ltd., Box 156, Sta. D, Toronto 9, Ont., Canada.
COBB, A. DONN (A'53-M'54), Sr. Electronics Engr.,
Electronics Branch Ships Dept., U.S. Naval Sta., Key West,
Fla.

COBB, ALFRED E. (SM'59), USN, Retired, 110 Azalea Lane, Sanford, Fla. COBB, CLYOE A. (M'56-SM'58) Sr. Design Engr., Litton Industries, Inc., 4900 Calvert Rd., College Park, Md. COBB, GERALD L. (S'58-A'59), 1667 Berna St., Santa Clara, Calif.

Calif.

COBB, HARLEY A., JR. (S'48-A'51-M'56), Sr. Electronics
Engr., Nortronics Div., Northrop Aircraft Inc., Anaheim. Calif.

COBB, HERBERT E. (S'54-M'57), Asst. Project Engr., Western
Electric Co., 204 Graham Hopedale Rd., Burlington, N.C.

COBB, JAMES W. (M'58), Sr. Technician, Elec. Engrg.
Dept., Manchester College of Science & Technology, Sackville St., Manchester, England.

VINE St., Manchester, England.

COBB, LEONARD J. (M'48), Apparatus Dev. Engr., Bell Tel.
Labs., 2525 Shadeland Ave., Indianapolis 6, Ind.

COBB, MARIANNA W. (A'50) Consulting Radio Engr., 3849 N.
30 St., Arlington 7, Va.

COBB, RICHARD W. (A'56), Dev. Engr., IBM, Poughkeepsie,
N.Y.

COBB, ROBERT B. (A'56), Lab. Asst., GE Co., Evendale,

Ohio COBB, WILLIAM B. (S'57-A'58), Technician, Canadian Armament Research & Development Est., Valcartier, P.Q., Canada.

Canada.

Canada.

CDBSS, DONALD M. GM'53), Sales Engr., Franklin Sales Co., 1219 California St., Denver 4, Colo.

COBBS, EVERETT R. (A'50), Flight Test Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohlo.

CDBINE, JAMES D. (A'34-SM'44-F'57), Physicist, GE Co., Research Lab., The Knolis, Schenectady, N.Y.

COBLE, HOWARD F. (S'57-M'59), Electronics Systems Engr., Chance Vought Aircraft, Dallas, Tex.

COBLE, RALPH P., JR. (S'50-A'51-M'56), Engr., Bell Tel Labs., 811 Merritt Dr., Greensboro, N.C.

COBLE, ROBERT B. (S'48-A'49-M'55-SM'57). Project Engr., Crosley Div., Avoc Corp., 1329 Arlington St., Cincinnati Z5, Ohio.

COBLEN, ABRAHAM G. (SM'52) Mar. Semiconductors

Cincinnati 25, Ohio.

COBLENZ, ABRAHAM G. (SM'52) Mgr., Sèmiconductor Dept., Ohmite Mig Co., 3601 Howard St., Skokie, III.

COBURN, GARNET S. (A'47-M'55), Telecommuncation Officer, RCAF, Natl., Defense Hgrs., Otawa, Ont., Canada. COBURN, JAMES A, M. (S'55-M'57), Engr., Philco Corp. 470D Wissahickon Ave., Philadelphia 44, Pa.

COBURN, RAYMOND D. (S'58-A'59), 9D Brookside Ave., Somerville, N.J.

COBURN, WILLIAM K. (M'51-SM'57), Asst. Project Dir., Harvard Coilege Observatory, 60 Garden St., Cambridge, Mass.

Harvard College Observatory, 60 Garden St., Cambridge, Mass.
COCCHIARO, MICHAEL (A'55), Tech. Asst., Bell Tel. Labs., Whippany, N.J.
COCHRAN, EARL D. (M'53), Sr. Engr., Bendix Aviation, 11600 Sherman Way, North Hollywood, Calif.
COCHRAN, GEORGER. (S'55-M'58), Engr., Sperry Utah Engrg. Lab., Salt Lake City, Utah.
COCHRAN, GOFF C., JR. (M'54), Supvr., Field Operations, Bendix Radio Div., Towson 4, Md.
COCHRAN, J. LYNN (4'53-M'53-SM'59), Div. Chief, Natl. Security Agency, Ft Meade, Md.
COCHRAN, KEITH W. (A'50), Research Engr., Airborne Systems Lab., Hughes Aircraft Co. Culver City, Calif.
COCHRAN, NELS DN (B'M'58), V.P., Canal Industrial Corp., 4940 St. Elmo Ave., Bethesda 14, Md.
COCHRAN, NELS ON B. (M'46), Project Engr., GE Co., Syracuse I, N.Y.
COCHRAN, NELSON B. (M'46), Project Engr., GE Co., Syracuse I, N.Y.
COCHRAN, URALE, (S'47-A'50-M'58), Engr., Westinghouse Elec. Corp., Box 376, Idaho Falls, Idaho.
COCHRAND, URALE. (S'47-A'50-M'58), Engr., Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.

COCKADAY, LAURENCE M. (M'47), Advisory Engr., Missile Sub-Systems Project, Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore, Md. COCKBURN, CURTIS D. (M'52), Supvr., Engrg., Utica,

N.Y.
COCKER, JOHN T. (S'48-A'50-M'56), Mem Tech. Staff.
Bell Tel. Labs., Murray Hill, N.J.
COCKERHAM, FRANK E. (A'54), Project Engr., Pulse
Radar Engrg., RCA Service Co., Patrick AFB, Fla.
COCKLE, ERIC S. (A'57-M'58), Sales Engr., Canadian
Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont.,
Canada

Canaoa COCKRELL, HENRY H., JR. (S'57-M'59), Engr., College Village, Winston-Salem, N.C. COCKRELL, JAMES H. (A'50), Owner, Cockrell Radio, E. Alsobrook St., Plant City, Fla. COCKRELL, JAMES L. (A'53-SM'56), Research Engr. Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 4. Pa.

COCKRELL, WILLIAM D. (SM'55), Specialist, Advanced Engrg., Speciality Control Dept., GE Co. Waynesboro,

COC-COL - 129 -

- COCKRILL, JAMES T. (S'52-A'53-M'55), Lt. Cmdr., USN, Weapon Dev. Officer, Weapon Systems Dept., Naval Air Special Weapons Facility, USAF Special Weapons Center,
- Special Weapons Facility, USAF Special Weapons Albumiermie. N.M.

 COCKRILL, MARK S. (S'46-A'49-M'55), Research Engr.,
 Transport Div., Boeing Airplane Co. Renton, Wash.

 COCKRILL, WALTER C. (S'52-A'54), Instrumentation
 Engr., Boeing Airplane Co., Seattle, Wash.

 COCUZZA, PETER J. (S'56-M'58), 2571 W. 16 St.,
 Brooklyn 14, N.Y.

 CODD, BARTHOLOMEW E. (S'56-M'58), Engr. Western
 Union Telegraph Co., 60 Hudson St., New York I3,
 N.Y.

- N.Y.
 CODDING, WILLIAM J. (M'57), Chief Engr., WSUN-WSUN-TV, Municipal Pier, St. Petersburg, Fla.
 CODDINGTON, G. HERBERT (S'55-M'57), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.
 CODEL, MARTIN (A'46-M'55), Assoc. Publisher, Television
 Digest, Triangle Publications, Inc., Solar Bidg.,
 Washington 6, D.C.
 CODINA, JORGE G. (A'57), Design Engr., Electronic
 Fabricators, 682 Broadway, New York, N.Y.
 CODY, ROBERT W. (A'57), Field Engr., Admiral Corp., 2D1
 E. North Water St., Chicago 11, Ill.
 CDE, DAVID H. (M'55), Apolications Engr., RCA.
- E. North Water St., Chicago 11, III.
 CDE, DAVID H. (M'58), Applications Engr., RCA.
 Somerville, N.J.
 CDE, GEORGE J. (A'54-M'59), Research Physicist, Cornell
 Aeronautical Lab., Inc., 1124 N. Highland St., Arlington
 1, Va.
- CDE, MAURICE C. J. (M'56), Deputy Engr., Canadian Dverseas Telecommunication Corp., 13D Water St., St. Julni's, Mfld., Catada.

 COE, MYRON R. (SM'54), Owner & Chief Engr., EDKD Electronics Engrg. Co., 202 Grand St., Brooklyn 11, N.Y.

 COE, RALPH B. (M'55), Tech. Advisor, Tech. Facilities, Air Proving Ground Center, Eglin AFB, Fla.

 COE, WILLIAM G. (SM'56), Mgr., Mycalex Corp, of America, 7D2 E. Walmat Ave., Burbank, Calif.

 COELHO, CARLOS AB. (S'53-A'55), Lt. Col., Engr. of Communications, Brazilian Army (Escola Tecnica do Escercito), Praia Vermelha, Rio De Janeiro, Brazil.

 COEN, RICHARD T. (S'52-M'55), Engr., ITT Labs., Nutley 10, N.J.

 COERVER.LED E. JR. (S'52-A'54), Mem. Tech. Staff,

- Nutley 10, N.J.
 COERVER. LEO E. JR. (S'52-A'54), Mem. Tech. Staff,
 COFFE, STUART A. (A'49-M'55), Instr., Natl. Radlo
 School, 1826 Henderson Dr., Lorain, Ohio.
 COFFEE, JOHN M. (M'58), Electronics Engr., USN (CNODNC), 3801 Nebraska Ave., Washington, D.C.
- COFFEE, TOM A. (M'56), Research Scientist, Electronics, Range Instrumentation Development Div., White Sands Missile Range, N.M.
- MISSIE KANGE, N.M.
 COFFEY, EDWARD W. (M'57), Design & Dev. Engr., RCA, Camden, N.J.
 COFFEY, LAWRENCE E. (M'58), Asst. Sr. Engr., Dept. of Transport, Telecommunications Branch, Ottawa, Ont., Canada.

- rransport, Telecommunications Branch, Ottawa, Ont., Canada.

 COFFEY, WILLIAM N. (S'43-A'50-M'55), Electronics Engr., Research Lab., GE Co., Schenectady, N.Y.

 OFFIN, WILBUR R. (M'52), Bituminous Fibre Prods. Engr., Line Material Industries, 500 W. 79 St., Minneapolis 20, Minn.

 COFFIN, WOODROW W. (A'57), Sr. Lab. Technician, Electronic Associates, Inc., Lons Branch, N.J.

 COFFLAND, ALBERT E. (A'57), Lt. Cmdr., Electronics Officer, USN, 726 Land St., Norfolk 2, Va.

 COFFMAN, BARTON C. (A'42-M'46-SM'54), Chiel Engr., Crosby Labs., Inc., 299 Robbins Lane, Syosset, L.I., N.Y.

 COGAN, SAMUEL (S'50-A'51-M'56), Sr. Dev. Engr., Datalab Div., Consolidated Electrodynamics Corp., 620 N. Lake St., Pasadena, Calif.

 COGGES HALL, I.S. (A'26-M'29-F'42), Asst. V.P. Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 COGGINS, DONALD I. (M'52), Special Engrg. Rep.,

- N.Y. COGGINS, DONALD I. (M'52), Special Engrg. Rep., Sylvania Elec. Prods., Inc., 60 Boston St., Salem,
- COGGINS, WILLIAM J. (S'56-M'59), Electro-Mech. Project Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.
- COGGSHALL, JOHN C. (S'56-M'59), RFD 1, Cambridge,
- COGGHALL, JUHN C. (S'55-M'59), RrD 1, calloringe, lowa.
 COGHILL, HENRY D. (A'55-M'59), Lab. Asst., GE Co., Schenectady, N.Y.
 COGLIANESE, CARMINE J. (A'58), Jr, Engr., Inland Testing Labs., 1492 Stanley Ave., Dayton, Ohio.
 COGSHALL, PHILIP D. (M'56), Engr.-in-Cho., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif. COGSWELL, WILSON P. (A'31-M'47-SM'47), Retired, 399 Hawthorne Ave., Los Altos 2, Calif. COHAN, LLOYD (S'50-A'51-M'56), 152 W. Alamar Ave., Santa Barbara, Calif.
 COHEE, ARTHUR V. (A'51-M'58), Head, Instrument Dev. Group, Flight Test Engrg. Dept., Hughes Aircraft Co., Culver City, Calif.
 COHEN, AARON (A'50-M'57), 1133 Millington Rd.,

- COHEN, AARON (A'50-M'57), 1133 Millington Rd., Schenectady, N.Y.
 COHEN, ABRAHAM B. (A'35-M'55), Pres., Advanced Acoustics, Inc., 1875 Carter Ave., New York 57, N.Y.
 COHEN, ABRAHAM L. (A'44-M'55), Head, R. & D. Dept., Olympic Radio & TV, 34-01 38 Ave., Long kland City 1, N.Y.
- N.Y.
 COHEN, ALAN J. (S'51-A'52-M'57), Project Engr.,
 Bendix Aviation Corp., Teterboro, N.J.
 COHEN, ALBERT (A'52-M'57), Sect. Leader, Lincoln
 Lab., MIT, Lexington 73, Mass.
 COHEN, ALLAN N. (S'56-M'58), Engr., ITT Labs., Nutley
 10, N.J.
- 10, N.J. ARNOLD (M'57), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
 COHEN, ARNOLD A. (A'42-M'47-SM'51), Mgr., Systems Research, Remington Rand Univac, St. Paul 16, Minn.
 COHEN, ARTHUR C. (S'56-M'58), Staff Mem., Sandia Com., Sandia Base, Albuquerque, N.M.
 COHEN, ARTHUR M. (S'56-M'57), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 COHEN, BARRY G. (S'56-M'59), 7 Beechwood PI., Watchung, Plainfield, N.J.
 COHEN, BERNARD (A'56), Prod. Quality Inspector, American Bosch Arma Corp., Garden City, L.I.. N.Y.

- COHEN, BERNARD H. (S'52-A'53-M'57), Elec. Engr., RCA, Camden, N.J.
 COHEN, BORIS C. (S'49-A'50), Test Engr., Mgr., Production Test Dept., Loral Electronics Corp., 717 E. 14D St., New York 54, N.Y.
- COHEN, BURTON E. (M'58), Elec. Engr., ITT Labs., Nutley 10, N.J.

- 1D, N.J.

 COHEN, CHARLES B. (M'57), Project Engr., CBS, 485
 Madison Ave., New York 22, N.Y.
 COHEN, CHARLES L. (A'40-M'55), Sr. Group Engr., Erco
 Div., ACF Industries, Inc., Riverdale, Md.
 COHEN, CHARLES L., (S'53-A'54-M'59), Dept.of Elec.
 Engrs., Univ. of Tokyo, 1 Motofuji-cho, Bunkyo-ku,
 Tokyo, Japan.

- Engrg., UNIV. Of Tokyo, 1 Mockelj-Endr, Bulkko-Kar,
 Tokyo, Japan.

 COHEN, DAVID (M'56), Dev. Engr., RCA Electron Tube
 Div., Harrison, N.J.

 COHEN, DAVID (S'47-A'5D-M'55), Sr. Engr., Control
 Instruments Co., 67 35 St., Brooklyn 32, N.Y.

 COHEN, DONALD (S'5D-A'54-M'57), Elec. Engr., No.
 Amer. Aviation, Columbus, Ohlo.

 COHEN, ELIAS (A'46-M'55), Chief TV Engr., Monochrome
 TV, Emerson Radio & Television Corp., 14 & Coles St.,
 Jersey City, N.J.

 COHEN, ELIHU (S'47-A'48-M'55), Project Dir., Warner,
 Inc., 522 5 Ave., New York 36, N.Y.

 COHEN, EZRA (S'54-M'57), Electronics Engr., Bell Tel.
 Labs., Murray Hill, N.J.

 COHEN, GENE (M'56), Engra. Mgr., Semiconductors,
 Chatham Electronics Corp., Livingston, N.J.

 COHEN, GEORGE (A'43-M'55), Asst. to Pres., Emerson
 Radio & Phonograph Corp., 14 & Coles St., Jersey City 2,
 N.J.
- N.J.
 COHEN, GERGES. (A'49-M'54), Staff Engr., Bendix
 Systems Div., Ann Arbor, Mich.
 COHEN, GERALD (S'58-M'59), Electronics Engr., Polarad
 Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.
 COHEN, GERALD H. (A'52-M'57), Assoc. Prof. Elec.
 Engr. Dept., Univ. of Rochester, Rochester, N.Y.
 COHEN, GERALD S. (M'56), Electronics Engr., Diamond
 Ordnance Fuze Labs., Washington 25, D.C.
- COHEN, HAROLD (S'51-A'54-M-59), Radar Sect. Head, Advanced Dev. Lab., Radio Recepter Co., 70D Shames Dr., Westbury, L.I., N.Y.
- Westbury, L.I., N.Y.

 COHEN, HAROLD (M'55), Asst. Mgr., Engrg., Emerson
 Radio & Phonograph Co., 14 & Coles St., Jersey City, N.J.

 COHEN, HAROLD A. (A'51-M'56), V.P. & Geni. Mgr.,
 Quality Hermetics, Ltd., 45 Hollinger Rd., Toronto 16,
 Ont., Canada.

 COHEN, HARVEY (S'55-M'57), Applications Engr., RCA,
 Harvison N. I.
- COHEN, HARVEY (S'55-M'55), Sales Engr., Systems Div., Beckman Instruments, Inc., 325 N. Muller Ave., Anaheim, Calif.
- Anaheim, Calif.
 COHEN, HERMAN A. (M'47), Engr.-in-Chg., District No. 4, FCC, 400 E. Lombard St., Baltimore 16, Md.
 COHEN, HOWARD (S'56-M'58), Elec Engr., Johnson Electrical Corp., 214 E. 26 St., New York 10, N.Y.
 COHEN, HOWARD I. (S'48-A'50-M'57), Sect. Head, Data Conversion Dept., Sylvania Elec. Prods., Inc., 189 "B"
 St., Needham, Mass.
- St., Needham, Mass.
 COHEN, HOWARD P. (A'53), Aviation Electronics Engr.,
 Flight Lab., U.S. Industries, Inc., Hangar E., Westchester
 County Airport, White Plains, N.Y.
 COHEN, HYMAN (M'57), Engr., Polarad Electronics
 Corp., 43-20 34 St., Long Island City, N.Y.

- Corp., 43-20 34 St., Long Island City, N.Y.
 COHEN, IRVING (A'55), Sr. Project Engr., Burroughs Corp.,
 Paoli, Pa.
 COHEN, JACK B. (S'55-A'56), Engr., Hazeltine Electronics
 Corp., Little Neck 62, L.I., N.Y.
 COHEN, JACOB (A'58), Sr. Engr., Eclipse-Pioneer Div.,
 Bendix Aviation Corp., Teterboro, N.J.
 COHEN, JERROLD (M'56), Mem. Tech. Staff, Pacific
 Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver
 City, Calif.
 COHEN, JONAS (M'56), Engr. Food Instrument Co., 31-10.

- City, Calif.

 COHEN, JONAS (M'56), Engr., Ford Instrument Co., 31-10
 Thomson Ave., Long Island City 1, N.Y.

 COHEN, JOSEPH E. (A'43-M'55), Research Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 COHEN, JULES (A'47-M'47-SM'55), Partner, Vandivere
 & Cohen, JULIUS (M'48), Consulting Radio Engr.,
 George C. Davis Co., 504 Munsey Bidg., Washington 5,

 4, D.C.

 COHEN, FUNDER J. (CLES-ALEE), S. Engr., Teles.
- George C. Davis Co., 304 munsey Blog., washington 4, D.C.

 COHEN, KENNETH J. (S'53-A'55), Sr. Engr., Telepynamics, Inc., 5000 Parkside Ave., Philadelphia 31, Pa.

 COHEN, LAWRENCE R. (A'56-M'55), Lialson Specialist, Defense Relations, Defense Evaluation Operation, GE Co., 425 13 St., N.W., Washington 4, D.C.

 COHEN, LEONARD D. (S'48-A'50-M'58), Sr. Elec. Engr., Sylvania Elec. Prods., Inc., Bayside, L.I., N.Y.

 COHEN, LEONARD M. (S'56-M'57), Elec. Engr., Offner Electronics, Inc., 5320 N. Kedzie, Chicago 25, Ill.

 COHEN, LESTER B. (S'54-M'57), Sr., Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 COHEN, LEVI (S'49-A'49), Electronics Engr., Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

 COHEN, LOUIS D. (A'52), Pres., Louis D. Cohen y cia, Apartado 10442, Caracas, Venezuela; Apartado 3, Regla, Habana, Cuba; Santurce, Puerto Rico,

- Santurce, Puerto Rico.
- Santurce, Puerto Rico.
 COHEN, MARCUS (A'55), Field Engr., Radio Communication Service Co., 234 W. 37 Pl., Los Angeles 7, Calif.
 COHEN, MARSHALL H. (\$477-A'50-M'56), Asst. Prof., School of Elec. Engry., Cornell Univ., Ithaca, N.Y.
 COHEN, MARTIN J. (A'44-M'45-SM'53), V.P., Engry., Franklin Systems, Inc., 2734 Hillsboro Rd., West Palm Beach, Fla.
 COHEN, MADTIN J. (\$154 MEGA) D. J. COHEN MADTIN J. (\$155 MEGA) D. J. COHEN MADTIN J. (\$154 MEGA) D. J. COHEN MADTIN J. (\$155 MEGA) D. J. COHEN MEGA) D. J. COHEN MADTIN J. (\$155 MEGA) D. J. COHEN MEGA) D. J. COHEN MEGA D.

- Praimmin Jysuems, Inc., 2/34 Intisporo Ro., West Paim Beach, Fla.

 COHEN, MARTIN L. (S'54-M'56), Project Engr., Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J.

 COHEN, MARTIN M. (S'51-A'52-M'58), Sr., Project Engr., Mergenthaler Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.

 COHEN, MELVIN (A'48), Service Mgr., Suburban Television Service Co., Whitehall Rd., Hudson Falls, N.Y.

 COHEN, MILTON R. (A'58), Tech. Asst., Western Electric Co., 100 Central Ave., Keamey, N.J.

 COHEN, MITCHELL S. (S'54-M'59), MIT Lincoln Lab., Lexington 73, Mass.

 COHEN, MONTE (A'30-VA'39-M'55), Pres., Genl. Instrument Corp., 65 Gouverneur St., Newark 4, N.J.

- COHEN, MORRIS (5'50-A'55), Sect. Head, Microwave Dept., Polytechnic Research & Development Co., 202 Tillary St., Brooklyn 1, N.Y.
 COHEN, MORRIS (A'56), Customer Engr., IBM, 525 S. Flower, Los Angeles, Calif.
 COHEN, MORTON (A'53-M'59), Chief Engr., Elsin Electronics Corp., Elieen Way, Syossett, L.I., N.Y.
 COHEN, MORTON H. (A'52-M'55), Sr. Electronics Engr., Missiles & Snace Systems Div., United Aircraft Corp., Main St., East Hartford, Conn.
 COHEN, NATHANIEL L. (A'46-M'55), Sect. Head, Radio Receptor Co., 240 Wythe Ave., Brooklyn 11, N.Y.
 CDHEN, PHILIP (S'41-A'44-M'55-SM'56), Prolect Leader, RCA, Defense Electronics, Missile & Surface Radar, Moorestown, N.J.
 COHEN, ROBERT (S'47-A'50), Marketing Mgr., Texas Instruments, Inc., European Liaison Diffice, 1D2 Rue Reaumur, Paris (2), France.
 CDHEN, ROBERT M. (SM'54), Mgr., Semi-Conductor Prod. Dev., RCA, Somerville, N.J.
 COHEN, ROBERT S. (S'53-M'57), Physicist, Upper Atmosphere, Central Radio Propagation Lab., U.S. Natl. Bureau of Standards, Boulder, Colo.
 COHEN, SAMUEL (A'16-M'22-AM'43), Consulting Engr., Hotel Douglas. Newark, N.J.

- Bureau of Standards, Boulder, Colo.
 COHEN, SAMUEL (A'16-M'22-AM'43), Consulting Engr.,
 Hotel Douglas, Newark, N.J.
 COHEN, SAMUEL (A'53-M'58), Patent Atty., RCA,
 Princeton, N.J.
 COHEN, SEYMOUR H. (A'54), Staff Mem., Raytheon Mfg.
 Co., Waltham, Mass.
 COHEN, SIDNEY B. (A'47-M'55), Asst. Chief Engr.,
 Marine Div., Sperry Gyroscope Co., Great Neck, L.I.,
 N.Y.
- N.Y.
 COHEN, SOL A. LA'57), Mgr., Tech. Information Center,
 Ampex Corp., 934 Charter St., Redwood City, Calif.
 COHEN, STANLEY (S'57-M'58), Engr., Airbome Instrument Lab., Mineola, L.I., N.Y.
 COHEN, STANLEY A. (S'50-A'51-M'56), Lecturer, Elec.
 Engrg. Dept., The City College of New York, Convent Ave.
 at 139 St., New York 31, N.Y.
 COHEN, THEODORE A. (A'44-SM'45), Chief Engr.,
 Regulet, Inc., B31 S. Wabash, Chicago 5, III.
 COHEN, THEODORE J. (M'57), Assoc. Engr., National Co.,
 Inc., Malden, Mass.
 COHLER EDMIND II. (S'51-A'53-SM'58). Supvr..

- Inc., Malden, Mass. COHLER, EDMUND U. (S'51-A'53-SM'58), Supwr., Computer Techniques Sect., Sylvania Elec. Prods., Inc., 189 B St., Needham 94, Mass. COHN, CARL M. (A'51), Electronics Engr., Chicago Midway Labs., Univ. of Chicago, 6220 S. Drexel Ave., Chicago

- Labs., Univ. of Chicago, 6220 S. Drexel Ave., Chicago Midway 37. III.
 COHN, DAVID A. (S'54-M'58), Project Engr., David Bogen Co., Box 50D, Paramus, N.J.
 COHN, DITER (A'59), Elec. Designer, Brown & Root, Inc., 8ox 3, Houston 1, Tex.
 COHN, EDGAR M. (A'53-M'57), Program Coordinator, Atlantic Div., Bureau of Yards & Docks, 90 Church St., New York 7, N. Y.
- 7, N. Y.

 CONN, GEORGE L. (S'42-A'43-M'49-SM'51), Prof. Elec. Engra. Dir., Electronics Research, Illinois Institute of Technology, 3301 S. Dearborn, Chicago 10, III.

 COHN, HLOG (M'30-SM'57), Consulting Engr., 221 W. 57

 St., New York 19, N. Y.

 COHN, RVING H. (A'47-M'54), Project Engr., Autometric, inc., 1501 Broadway, New York, N. Y.

 COHN, JONA (A'51-M'56), Sect. Head, Applied Research Dept., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, III.

 COHN, MARVIN (S'49-A'51-M'57). Research Assoc.

- 51, III.
 COHN, MARVIN (S'49-A'51-M'57), Research Assor, Gridge
 Radiation Lab., The Johns Hopkins Univ., Baltimore, Md.
 COHN, MARVIN R. (A'53), Supvy. Sr. Engr., Emerson
 Radio & Phonograph Corp., 14 & Coles Sts., Jersey City,
 N.J.

- N.J.
 COHN, RONALD M. (S'57-M'58), 1548 Centinela, West
 Los Angeles, Calif.
 COHN, SEYMOUR B. (S'41-A'46-SM'51-F'59), Lab.
 Mgr., Stamford Research Institute, Menlo Park, Calif.
 COHN, STANLEY I. (SM'59), Asst. Mgr., Elec. Engrg.
 Research, Armour Research Foundation, 10 W. 35 St.,
 Chicago, III.
- COHOON, ROBERT L. (M'54), Engr., GE Co., Schenectady,

- COHOON, ROBERT L. (M'54), Engr., GE Co., Schenectady, N.Y.
 COIA, THOMAS F. (S'53-M'56), Engr., GE Co., 3198
 Chestnut St., Philadelphia, Pa.
 COIL, EMORY A. (A'54-M'58), Research Engr., Litton
 Industries, 336 N. Foothill Dr., Beverly Hills, Calif.
 COIL, NEIL 8. (A'30-M'45-SM'52), Transmitter Engr.in-Cho, Midwest Radio-Television, Inc., WCCO-TV,
 50 S. 9 St., Minneapolis 2, Minn.
 COISH, HARRY O. (A'52-M'57), Mgr., Telecables & Wires,
 Ltd., Postal Sta. C. Winnipeg 9, Man., Canada.
 COKER, FRANK B. (S'49-A'54-M'59), Mgr., Research &
 Dev. Dept., United Electrodynamics, Div. of United Geophysical Corp., 1200 S. Marengo Ave., Pasadena, Calif.
 COKER, GLENN F. (S'57-M'58), Mngt. Training, Western
 Electric Co., 2551 E. 40, Denver 5, Colo.
 COKER, QUILLIAN W. (M'58), Research Engr., Southwest
 Research Institute, 8500 Culebra Rd., San Antonio, Tex.
 COKER, ROBERT H. (M'52), Project Engr., Emerson
 Research Labs., 1140 East-West Hwy., Silver Spring,
 Md.
 COKER, STANLEY G. (A'43-M'56), Communications

- Md.
 COKER, STANLEY G. (A'43-M'56), Communications
 Supvr., 2-Way Radio Service, Box 2503, Freeport, Tex.
 COLAIANNI, JOSEPH V. (S'56-M'57), Design Engr.,
 Burroughs Patent Div., 1737 'H' St., N.W., Washington
 6, D.C.
- COLANDER, GEORGE E. (M'59), Elec. Engr., RCA, Camden, N.J.
- Camden, N.J.

 COLANDER, ROY E (A'45-M'45-SM'53), Supvr.,
 Telemetry Engro. Dept., Bendix Aviation Corp., 11600
 Sheman Way, North Hollywood, Calif.

 COLANGELO, LEONARD P. (A'52-M'56), Supvy.
 Electronics Engr., Rome Air Development Center, Griffiss
 AF8, N.Y.
- AFB, N.Y.

 COLBERN, FRED W. (A'58), Sales Engr., Southwest Industrial Electronics, 2831 Post Oak Rd., Houston, Tex.

 COLBERT, CHARLES (A'46-SM'51), Consulting Engr.,
 Charles Colbert, 506 S. High St., Yellow Springs, Ohio.

 COLBERT, DONALD C. (M'57), Project Engr., Electronic
 Communications, Inc., 1501 72 St., N., St. Petersburg,
- COLBERT, JOHN R. (S'57-M'58), Electronics Engr., Magnaflux Corp., 7300 W. Lawrence, Chicago 31, III.

- COLBERT, RICHARD P. (A'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 COLBERT, S. MICHEL (A'50-M'57), Research Assoc.,
 Comell Univ., Ithaca, N.Y.

- Cornell Univ., Ithaca, N.Y.

 COLBOURNE, ROBERT H. (M'56-SM'59), Sr. Elec. Engr., Gabriel Electronics Div., 135 Crescent Rd., Needham Heights 94, Mass.

 COLBURN, DAVID S. (A'55), Electronics Engr., Beckman-Spinco Div., 1117 California Ave., Palo Alto, Calif.

 COLBURN, LEWIS J. (A'54), Capt., USAF, Requirements Officer, Communications System Div., Directorate of Communications & Electronics, Hgr. PACAF, Box 367, APO 953, San Francisco, Calif.

 COLBY, FRANK K. (S'57-M'59), Design Engr., Acoustica Associates, Inc., 14000 Aviation Blvd., Los Angeles 45, Calif.

 COLBY, GEORGE V. JR. (S'54-A-155), Electronics, Mr. Colby, GEORGE V. JR. (S'54-A-155), Electronics Engr., Acoustica Associates, Inc., 14000 Aviation Blvd., Los Angeles 45, Calif.
- COLBY, GEORGE V., JR. (S'54-A'55), Elec. Engr., Lab. for Electronics, Inc., 75 Pitts St., Boston, Mass.
 COLBY, KENNETH G. (S'54-M'56), Radar Engr., Sperry Piedmont Co., Charlottesville, Va.
 COLBY, NORMAN C. (A'50-M'55), Group Leader, RCA, Camden, N.J.

- Camden, N.J.

 COLBY, PAUL R. (SM'53), Asst. Chief, Communications
 Engrg. Div., W-642, FAA, Washington 25, O.C.

 COLDREN, STANLEY D. (4758), Electrician, Beryllium
 Corp., Box 1462, Reading, Pa.

 COLE, ALBERT E., JR. (4'53), Group Engr., Martin Co.,
 Box 179, Denver 1, Colo.

 COLE, ALLAN M. (5'57-A'5B), Electronics Technician,
 Imperial Oil, Ltd., 300 9 Ave., W., Calgary, Atla.,
 Canada.
- COLE, BEN R. (S'41-A'43-M'55), Lab. Staff Engr., Raytheon Mfg. Co., Maynard, Mass. COLE, BRUCE H. (S'56-M'59), Engr., GE Co., Syracuse, N.Y.
- COLE, BRYAN T. (A'46-M'55), Engr.-in-Chg., TV, Genl. Teleradio, Inc., KHJ-TV, 1313 N. Vine, Los Angeles, Calif.
- COLE, BYRON M. (S'42-A'45-SM'51), Consulting Engr., Electronic Ideas Lab., 10604 Louise Ave., Granada Hills, Calif.
- COLE, CHARLES F., JR. (A'55), Asst. Prof., Elec. Engro., Louisiana Polytechnic Institute, Ruston, La. COLE, CHARLES H. (A'31-VA'39), Chmn. Bd. of Dirs., Spring Creek Tract Assn., Inc., 1129 Harvard Rd., Piedmont 10, Calif.
- Piedmont 10, Calif.

 COLE, CLYDE C. (M'56), Sr. Engr., Transistors, Bendix Computer Co., 5630 Arbor Vitae, Los Angeles 44, Calif.

 COLE, CLYDE E. (A'54), Chief Engr., Military Electronics, Beckman Instruments, Inc., System Div., 325 N. Muller Ave., Anaheim, Calif.

 COLE, D. D. (M'43–SM'43), Chief Engr., RCA Victor Television Div., Camden, N. J.

 COLE, DONALD A. (S'53–A'55), Elec. Engr., RCA, Missiles & Surface Radar, Moorestown, N. J.

 COLE, DONALD P. (A'41), Asst. Mgr., Missile Ground Control Sub-Div., Westinghouse Elec. Corp., 1405

 Parker Rd., Baltimore 27, Md.

 COLE, DONALD R. (A'56), Box 4020, South Edmonton.

- COLE, DONALD R. (A'56), Box 4020, South Edmonton, Alta., Canada.
- COLE, EDGAR M., SR. (A'55-M'58), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5760 Arbor Vitae St., Los Angeles, Calif.
- COLE, EDWARD J. (S'50-A'54-SM'58), Mem. Tech. Staff, Ling-Altec Electronics, Inc., Anaheim, Calif. COLE, EDWARD S. (S'56-M'58), 332 Hinds St., Tonawanda, N.Y.
- Tonawanda, N.Y.

 COLE, ELWOOD B., JR. (M'54-SM'58), Radio Frequency
 Staff Engr., Martin Co., Baltimore 3, Md.
 COLE, F.RANK G. (S'48-A'51-M'56-SM'57), Electronics
 Oesign Engr., GE Co., Utica, N.Y.
- COLE, FRANK G. (\$'48-A'51-M'56'-\$M'57'), Electronics Oesign Engr., GE Co., Utica, N. Y.

 COLE, FRED H. (A'34-VA'39), Exec. V.P., Genl. Mgr., Beattie Coleman, Inc., 1000 N. Olive, Anaheim, Calif.

 COLE, GERALO D. (S'57-M'5B), Design Engr., No. Amer. Avation, Internatl. Airport, Los Angeles 45, Calif.

 COLE, HERBERT W. (M'52), District Sales Mgr., GE Co., Clifton, N. J.

 COLE, IRWIN H. (M'59), Sect. Head, Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

 COLE, JACK E. (S'51-A'55), Field Engr., Collins Radio Co., 2616 E. Broadway, Tucson, Ariz.

 COLE, LANIER G. (M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 COLE, LARPY S. (A'46-SM'48), Prof & Head, Elec. Engrg. Dept., Utah State Univ., Logan, Utah.

 COLE, LAWRENCE N. (S'58-A'59), Electronics Installation Technician, FAA, Federal Bidg., Internatl. Airport, Jamaica, L.I., N.Y.

 COLE, LESLIE L. (M'56), Div. Supvr., Sandia Corp.,

- COLE, LESLIE L. (M'56), Div. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.
- Saliola Base, Alouderque, N.M.
 CULE, LESLIE L., JR. (A'5B), Tech. Writer, Anderson-Nichols & Co., 150 Causeway St., Boston 14, Mass.
 COLE, PHILIP J. (A'5B-M'59), Electronics & Guided Missile Engr., USMC, 1100 S. Broad, Philadelphia 46,
- COLE, PHILIP P. (S'49-A'52-M'56), Cmdr., USN, Cmdr., Submarine Djv., FPO, San Francisco, Calif.
 COLE, RALPH I. (A'29-SM'46-F'58), Mgr., Military Pro Jects, Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
- COLE, RAY C. (M'57), Asst. Project Engr., Bendix Radio, Towson 4, Md. COLE, ROBERT A. (SM'55), Regional Supt., Radio Reg-ulations, Oept. of Transport, 739 W Hastings, Vancouver 1, 8.C., Canada.
- COLE , TREVOR J. (A¹56), Mng. Partner, Establecimientos Argentinos Marconi S.R.L., Av. Cordoba 645, Buenos Aires, Argentina.

- Aires, Argentina.

 COLE, WALTER A. (S'42-A'44-SM'50), Asst. to Pres. for Planning & Organization, Computing Devices of Canada, Ltd., Box 508, Ottawa 4, Ort., Canada.

 COLE, WILLIAM G. (4'54-M'59), Dev. Engr., Naval Air Development Center, Jacksonville Rd., Johnsville, Pa. COLE, WILLIAM J. (S'57-M'58), Sr. Dev. Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago, III.

 COLE, WILLIAM M., JR. (A'53-M'58), Deputy Chief, Office of Engrg., Natl. Security Agency, 3801 Nebraska Ave., Washington, D.C.

 COLE, WILLIAM P. (M'45-SM'54), Mgr., Production &
- COLE, WILLIAM P. (M'45-SM'54), Mgr., Production & Engrg., Lansdale Tube Co., Spring City, Pa.

- COLE, WILLIAM R. (M'59), Test Engrg. Supvr., Hughes Aircraft Co., 5540 W. Century, Los Angeles 45, Calif. COLE, WILLIAM Y. (5'50-4'51-M'57), Capt., New York Air Defense Sector, McGuire AFB, N.J. COLEGROVE, CARLETON D. (S'58-M'59), Elec. Engr., GE Co., Syracuse, N.Y.
- COLEHOWER, C. HARRIS, JR. (S'43-A'44-M'51), Engr., GE Co., 319B Chestnut St., Philadelphia 4, Pa. COLEMAN, AARON H. (A'40-M'55), Mgr., Computer Pro-Jects, Philco Corp., 4700 Wissahickon Ave., Philadelphia
- 44, Pa.
 COLEMAN, BERNARD H. (M'59), Engr., Lenkurt Electric
 Co., Inc., 1105 County Rd., San Carlos, Calif,
 COLEMAN, CHARLES H. (S'52-A'54), Assoc. Engr.,
 Transport & Bomber Flight Control, Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.
 COLEMAN, DAVID T., JR. (M'58), Supvy. Engr., Field
 Serv., Westinghouse Elec. Corp., Baltimore, Md.
- COLEMAN, DONALD L., JR. (M'52), Chief Engr., Wachusett Broadcasting Corp., 455 Main St., Fitchburg, Mass.
- COLEMAN, FRANK C. (A'59), Pathologist, 804 Equitable
- COLEMAN, FRANK C. (A'59), Pathologist, 804 Equitable Bidg., Des Moines, Iowa.

 COLEMAN, GEORGE E. (A'55), Retired, 509 Rogers Ave., Brooklyn 25, N.Y.

 COLEMAN, GEORGE M. (A'44-M'55), Electronics Scientist, U. S. Naval Electronics Lab., San Diego 52, Calif. COLEMAN, GORDON A. (S'53-A'54), Elec. Engr., Pratt & Whitney Aircraft, Main St., East Hartford, Conn.

 COLEMAN, HAROLD B. (A'50-M'58), Project Engr., Marquardt Aircraft Co., 16555 Saticoy St., Van Nuys, Calif.
- NUSS, Call.

 COLEMAN, HOWARD (SM'59), Asst. Prof., Elec. Engrg., New Mexico State Univ., University Park, N.M.

 COLEMAN, HUBERT R. (A'54), Sr. Elec. Engr., The Western Co., Box 310. Midland, Tex.

 COLEMAN, JAMES T. (A'52-M'55), Professional Engr., RCA, Moorestown, N.J.
- RCA, Moorestown, N.J.

 COLEMAN, JOHN B. (A'25-M'29-SM'45-F'4B), Administrator, High Power Transmitters, Defense Electronic Prods., RCA, Camden, N.J.

 COLEMAN, JOHN H. (S'47-A'50-M'56), Pres., Radiation Research Corp., 1114 1st Ave., New York 21, N. Y.

 COLEMAN, JOSEPH J. (M'53), V.P., Engrg., Burgess Battery Co., Freeport, III.

 COLEMAN, JOSEPH L. (M'59), Electronics Technician, U.S. Border Patrol, 4566 St. Claude Ave., New Orleans, La.

- COLEMAN, MARCEL V., JR. (M'56), Regional Service Mgr., Communications Engrg. Co., Midland, Tex.
- Mgr., Communications Engig. Co., Midland, Tex.
 COLEMAN, MILLARD J. (A'48-M'51), Tech. Assoc.,
 IBM, Owego, N.Y.
 COLEMAN, PAUL D. (A'45-M'55), Prof., Elec. Engrg.,
 Dir. Ultramicrowave Lab., Univ. of Illinois, Urbana, III.
 COLEMAN, ROBERT E. (M'56), Design & Dev. Engr., RCA,
 Camden, N.J.
- Camden, N. J.

 COLEMAN, ROBERT P. (M'59), Consultant, Burroughs
 Research Center, Paoli, Pa.

 COLEMAN, SAMUEL F. (S'48-A'50-M'55), Engrg.
 Scientist, New York Univ., Research Div., University Hgts.,
 New York 53, N.Y.

 COLEMAN, SHELDON T. (A'55), Assoc., Interference
 Testing & Research Lab., 150 Causeway St., Boston,
 Mass.
- COLEMAN, SIDNEY B. (SM'5B), Engr., Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.
 COLEMAN, SPENCER D., JR. (M'56), Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md.
- COLEMAN, WILLIAM E. (A'46-M'52), Dir., Electro-Mech. Dev., Applied Research, U. S. Steel Corp., 525 Wm. Penn Pl., Pittsburgh 30, Pa
- COLER, 8ERNARD A. (S'46-A'47-M'55), Commercial Engrg. Mgr., Electron Tubes Prods Div., Hughes Aircraft Co., Culver City, Calif.
- COLES, DONALD K. (M'4B-SM'50), Head, Solid State Sect., ITT Labs., 3702 E. Pontiac St., Ft. Wayne 1,
- COLES, FRANCIS A. (A'30-SM'46), Mem. Tech. Staff, Bell Tel. Labs. 463 West St., New York, N.Y. COLES, GEORGE F. (A'57), Design Draftsman, Teca Corp., BO Main St., White Plains, N.Y.
- COLES, RALPH V. (SM'45), Gen. Mgr., Eastern Research Center, Robertshaw-Fulton Controls Co., 2920 N. 4 St., Philadelphia, Pa.
- Philadelphia, Pa.

 COLES, WILLIAM T. (S'58-A'59), Electronic Tester,
 Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 COLETON, JAMES W. (M'56), Asst. Sect. Head, P. M. I.
 Dent., Electronics Div., Stromberg-Carlson Co., 1400 N.
 Goodman St., Rochester 9, N. Y.
- COULGAN, ARTHUR R. (4'50), Staff Engr., AC Spark Plug Div., 5670 E. Washington Blvd. Los Angeles 22, Calif. CULGAN, GERARO P. (M'58), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L. I., N.Y. COLIN, LAWRENCE (S'50-A'53-M'55), Supvry. Electronics Scientist, Rome Air Development Center, Griffiss AFB, N.Y.
- Griffiss AFB, N.Y.

 COLIN, ROBERT I. (M'5B-SM'58), Asst. to V.P., Govt. Projects, ITT Labs., Nutley 10, N.J.

 COLING, FORREST L. (M'56), Engr., No Amer. Aviation, Internati. Airport, Los Angeles, Calif.

 COLISTRA, WALTER P. (M'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 COLKER, JAMES (M'57), Project Engr., J. W. Fecker, Inc., 6592 Hamilton Ave., Pittsburgh 6, Pa.

 COLL, DAVID C. (S'53-M'57), Defence Research Board, Shirley Bay, Ottawa, Ont., Canada.

 COLLAD, RAFAEL O. (M'57), Engr., ITT Labs., Nutley

- COLLADO, RAFAEL O. (M'57), Engr., ITT Labs., Nutley 10, N.J.

- 10 , N.J.

 COLLARD, ALLISON C. (S'55-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 COLLARD, CLARK A. (A'56), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 COLLARD, JACQUES R. G. (S'55-M'56), 24 Greenough Ave., Cambridge 39, Mass.

 COLLARD, ROGER S. (M'56), Engr., Strand Engrg. Co., 1354 N. Main St., Ann Arbor, Mich

 COLLAZD, JAVIER L. (M'59), Mory, Translation Services, RCA, Clark, N.J.

 COLLAZD, JORGE A. (S'52-A'53-M'58), Chief, Radio
- COLLAZO, JORGE A. (S'52-A'53-M'58), Chlef, Radio Engrg. Dept., J. J. Bertagni & Cia, S. A., (Westinghouse Lic.), Hernandarias 1027, Buenos Aires, Argentina.

- COLLETTI, NICASIO (A'47-M'55), Electronics Engr., Good-year Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio. COLLEY, L. EARL (S'49-A'51-M'57), Systems Engr., GE Co., Syracuse, N. Y. COLLIER, ALBERT F. (A'54), Depts. Mgr., Guidance & Control Labs., Chrysler Corp., Box 262B, Detroit 31, Mich.

- Control Labs., Chrysler Corp., Box 262B, Detroit 31, Mich.

 COLLIER, OANA M. (SM'56), Sect. Supvr., Burroughs Corp., Research Center, Paoli, Pa.

 COLLIER, GEORGE H. (S'52-A'54-M'59), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 COLLIER, GEORGE X. M. (A'31-A'439), Maj., Transmitter Supvr., WCCO, 625 2nd Ave., S. Minneapolis 2, Minn.; Owner & Operator, George X. M. (Collier, Radio Construction Engr., 1B16 3rd Ave., S. Anoka, Minn.

 COLLIER, JAMES R. (SM'5B), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.

 COLLIER, ROBERT E. (M'53), Customer Relations Rep., Rvan Aeronautical Co., Kearny Mesa Rd., San Diego, Calif.

 COLLIER, ROBERT J. (M'57), 12 Tamarack Ter., Fredericton, N.B., Canada.

 COLLIER, ROBERT W., JR. (A'57), Dev. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 COLLIER, WILLIAM W. (M'55), Electronics Scientist, U. S. Govt., Dept. of Defense, Washington 25, D.C.

 COLLIGN, FRANCIS S. (A'5B), 6322 32 St., N.W. Washington 15, D.C.

 COLLIGN, JAMES A. (S'50-A'51-M'55), 104 Alanson Rd., Syracuse, N.Y.

 COLLIN, ROBERT E. (M'54), Asst. Prof., Elec. Engrg., Case Institute of Technology, 10900 Euclid, Cleveland 6, Ohio.

- COLLINGS , FREDERICK C , , JR , (M¹47) , Mgr , , Design Integration , Missile & Surface Radar Dept. , RCA , Moorestown , N , J ,
- COLLINS, A. DENNIS (M'52), Project Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 3, Md.
- Md. . COLLINS, ARTHUR A. (J'26-A'32-SM'49-F'53), Pres., COILINS, ARTHUR B. (M'57), Staff Engr., Data Proc-essing Group, Bendix Aviation Corp., 327 S. 4 Ave., Ann Arbor, Mich.
- COLLINS, CARTER C. (S'55-M'56), Dir., Research & Dev. Lab., Univ. of Callfornia Medical Center, San Francisco, Calif.
- COLLINS, DAVID H. (S'52-A'52), 5323 West Ave., Lancaster, Calif.
- Lancaster, Calif.

 COLLINS, DAVID L. (S'58-A'59), Test Engr., California
 Technical Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.
- dena, Calif.

 COLLINS, DONALD L. (A'47-M'47), V.P., Landsverk Electrometer Co., 641 Sonora Ave., Glendale 1, Calif. COLLINS, E.A. (A'44-M'45), Asst. Genl. Mgr., Freez-King Corp., 2518 Montreal, Chicago 18, III.

 COLLINS, E. HOBART (A'40-M'55), Physicist, Weyerhaeuser Timber Co., Longview, Wash.

 COLLINS, EARL D. (A'56), Electronics Research Technician, Lincoln Lab., MIT, Round Hill, South Dartmouth, Mass.

- Maass. COLLINS, FRANCIS (A'45-SM'52), Research & Dev. Dept., Atlantic Refining Co., 8ox 2819, Dallas 21, Tex. COLLINS, FREDERICK V. (SM'55), Electronics Consulting Engr., 1767 White St., Des Plaines, III.
- Engr., 1767 White St., Des Plaines, III.

 COLLINS, GEORGE S. (S'48-A'49-M'55), Special Studies Engr., Data Processing Div., Hydro Electric Power Commission of Ontario, 620 University Ave., Toronto 15, Ont., Canada.

 COLLINS, GORDON E. (SM'54), Sect. Head, 1TT Labs., 3702 E. Pontiac St., Ft. Wayne 5, Ind.

 COLLINS, H. E. (S'57-M'59), Lt., USN, Operations Debt., USS Ranger, CVA-61, FPD, San Francisco, Calif. COLLINS, HAROLD 8., JR. (S'49-A'53-SM'58), Project Engr., Philico Corp., C & Tioga Sts., Philadelphia 34, Pa. COLLINS, HARRISON P. (A'58) Owner, Col-Ins-Co., 2511 Catalina Dr., Orlando, Fla.

 COLLINS, HARRY C. (M'58), Engr., RCA, Camden, N. J.

- N J
 COLLINS, JACKSON H. (M'59), Jr. Electronics Engr., Internati. Resistance Co., 2850 Mt. Pleasant St., Burlington, Iowa.
 COLLINS, JAMES P. (M'58), Box 561, Sour Lake, Tex.
 COLLINS, JAMES T. (A'54), Electronics Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- COLLINS, JEROME F. (M'57), Dev. Engr., American Bosch Arma Corp., Garden City, L. I., N. Y. COLLINS, JOHN A. (S'56-M'57), Research Engr., California Tech's Jet Propulsion Lab., 4 BOO Oak Grove Dr., Pasadena 3, Calif.
- COLLINS, JOHN A. (A'44-M'46), Mgr., Govt. Contracting, Tech. Prod. Oiv., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P. Q., Canada.
- COLLINS, JOHN J. (S'56-M'57), 22 W. 78 St., Kansas City 14, Mo.
- City 14, Mo.
 COLLINS, JOHN L. (A'55), Field Service Rep., GE Co.,
 Syracuse, N.Y.
 COLLINS, JOHN R. (M'57), Chief, Electronic & Scientific
 Equipment Sect. Bureau of Foreign Commerce, U.S.
 Oept. of Commerce, 14 & Constitution Ave., Washington,
- Oept. of Commerce, 14 & Constitution Ave., Washington, D.C.
 COLLINS, JOHN W. (A'56), Genl. Supvr., Insp. & Prod. Test, Hughes Aircraft Co., Box 2097, Fullerton, Calif. COLLINS, JOSEPH (M'54), Electronics Engr., Dept. of Defense, Washington 25, D.C.
 COLLINS, JOSEPH L. (SM'53), Consulting Engr., Statter Bldg., Boston 16, Mass.
 COLLINS, KENNETH C. (S'51-A'52-M'57), Pres., Linden Industries, Inc., 155 E. Hoffman Ave., Lindenhurst, L.I., N.Y.

- COLLINS, LOREN R. (A'57), 11411 W. 192 St., Mokena,
- COLLINS, M. HAMILTON (M'58), Sr. Research Asst., Hughes Aircraft Co., Box 90902, Airport Sta., Los Angeles 45, Calif. COLLINS, MAX F. (M'52-SM'58), Electronics Engr., FAA, Box 4009, Honolulu 12, Oahu, Hawaii.
- COLLINS, MILTON (A'55) Project Engr., I8M, Kingston,

COL-CON - 131 -

- COLLINS, NEILE. (S'55-M'57), 111 S. Carbon St., Syracuse, N.Y.
- COLLINS, PHIL B. (A'48), Resident Maint. Technician, Aeronautical Radio, Inc., 6711 E. 38 Ave., Denver 7, Colo.

- Colo.

 COLLINS, RALPH 8., JR. (M'56), Production Engr., Microwave Associates, Inc., Burlington, Mass.
 COLLINS, RICHARD F. (M'58), Research Engr., No. Amer. Aviation, Los Angeles 45, Calif.
 CULLINS, RICHARD G. (A'55-M'57), 49 Station Rd., Polegate, Sussex, England.
 COLLINS, ROBERT M. (A'53-M'57), Engr., Systems Oiv., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
- Mass.
 COLLINS, WALLACE C. (A'52-M'57-SM'58), Chief
 Electronics Engr., County of Los Angeles, 234 N.
 Main St., Los Angeles 12, Calif.
 COLLINS, WILLIAM C. (A'56) Scientific Officer, Defense
 Research Telecommunications Est., Shirley Bay, Ottawa,
 Ont., Canada.
- Ont., Canada.
 COLLINS, WILLIAM E. (M'57), Tech. Writer, Sylvania
 Elec. Prods., Inc., Waltham 54, Mass.
 COLLINS, WILLIAM G. (A'43-M'46), Quality Control Oir.,
 USN, Naval Inspector of Ordnance, 1685 W. 5 St.,
 Pomona, Calif.
- Pomona, Ualif.
 COLLINS, WILLIAM G. (S'52-A'53-M'58), Supvy. Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.
 COLLINS, WILLIAM H. (M'55), Staff Engr., Page Communications Engrs., 710 14 St., N.W., Washington 5, D.C.
- COLLINS, ZANE L. (M'52-SM'59), Sect. Mgr., Advanced Dev., Electronics Div., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
- 1897, Baltimore 3, Md.
 COLLISON, PERCE B. (IRE Charter Mem.) (SM'27),
 Retired, 9 Lorraine Dr., Tuckahoe 7, N.Y.
 COLLMER, RUSSELL C. (M'58), Mgr., Systems Modelling,
 Implementation, GE Computer Dept., 13430 Black Canyon
 Hwy., Phoenix, Ariz.
- COLLOCK, HARRY (A'56), Designer, American Bosch Arma Corp., Garden City, L.1., N.Y. COLLOM, PERCY W., JR. (S'56-M'58), Capt., U.S. Army Signal Research & Oevelopment Lab., Ft. Monmouth, N.J. COLLUP, DAYLE O. (SM'51), Asst. to Dir., Systems Dev., Labs., Hughes Aircraft Co., Cul ver City, Calif.
- COLLUP, DOYLE E. (SM'52), Asst. Project Engr., Convair, Ft. Worth, Tex.
 COLLYER, JOHN H. (M'50), Self-employed, Radio Electronics Engr., Casilla 13949, Santiago, Chile, South America.

- tronics Engr., Casilla 13949, Santiago, Chile, South America.

 COLMAR, PETER V. (SM'45), Rear Admiral, USCG, 5th Coast Guard Oistrict, Box 540, Norfolk 1, Va.

 COLOCOUSIS, JOHN (SM'54), Chief Mech. Engr., Govt. & Industrial Oiv., Philoc Corp., 4700 Wissahlckon Ave., Philadelphia 44, Pa.

 COLODNY, SAMUEL H. (A'44-SM'51), Electronics Design Engr., Philoc Corp., Philadelphia, Pa.

 COLOIAN, JACK (S'56-A'57), Transformer Designer, Transformer Technicians, Inc., 2608 N. Cicero Ave., Chicago 39, Ill.

 COLOMBANO, LOUIS (M'57), Electronics Computer Engr., Nortronics Oiv., Northrop Aircraft, Inc., Hawthorne, Calif. COLOSI, ANGELO (A'42), X-Ray Engr., Wolverine X-Ray Sales & Service Co., 3605 Proctor St., Flint 4, Mich. COLTEN, JERROLD I. (S'47-A'51-M'54-SM'56), Chief Engr., Welcraft Prods. Co., Inc., New Carlisle, Ind. COLTIN, JERROLD I. (S'47-A'51-M'54-SM'56), Chief Engr., Welcraft Prods. Co., Inc., New Carlisle, Ind. COLTIN, JALBERT H. (S'49-A'50-M'55), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 90534, Los Angeles 45, Calif.

 COLTINAN, JOHN W. (SM'49-F'55), Mgr., Electronics & Wishelber Designer, Labs.
- COLTMAN, JOHN W. (SM'49-F'55), Mgr., Electronics & Nuclear Physics Dept., Westinghouse Research Labs., East Pittsburgh, Pa.
- COLTON, RALPH M. (A'55), "A" Engr., RCA, Camden 2,
- COLTON, ROGER B. (SM'46-F'54), Maj. Genl., U.S. Army, Retired, 624 E. Hunting Towers, Alexandria, Va.
- Army, Retired, 624 E. Hurting Towers, Alexandria, Va.
 COLTUN, LOUIS (S'55-4'57), Research Engr., Microwave
 Research Institute, 55 Johnson St., Brooklyn I, N. Y.
 COLUCCI, JOHN A. (S'57-4'58), Sr. Tester, Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N. Y.
 COLUSSI, ELIO J. (A'53-M'58), Natl. Aeronautical Corp.,
 Ft. Washington, Pa.
 COLVERT, FRAMK T. (A'52), Transmitter Engr., WPTF
 Radio Co., Insurance Bldg., Raleigh, N. C.
 COLVIN, J. WALTON (M'51), Mgr., Requirements Research,
 Bendix Radio Div., Towson 4, Md.
 COLVIN, LLOYO O. (M'56), Lt. Col., U.S. Army, Signal
 Advisor, 49th Inf. Div., Alameda, Calif.
 COLVIN, ROGER S. (S'49-A'50-M'58), Research Asst.,
 Radio Propagation Lab., Stanford Univ., Stanford, Calif.
 COLVIN, RUEL (A'27-VA'39), Flight Research Engr., Bendix
 Radio Div., Baltimore 4, Md.

- COLWELL, RICHARO E. (SM'51)(L), Owner, Research & Dev., Colwell Electrical Lab., 131 W. Main St., Oeshler, Ohio.
- COLWELL, ROBERT C. (A'21-M'29-SM'43), Prof. Emeritus & Head, Oept. of Physics, West Virginia Univ., Morgantown, W. Va.
- COMBELLACK, EARLE M. (M'46), Engr., Group Leader, Surface Communications, RCA, Camden 2, N.J. COMBELLICK, JOHN D. (M'58), Engr., Collins Radio Co., Cedar Rapids, Iowa.

- Cedar Rapids, Iowa.

 COMBELLICK, THOMAS A. (A'52-SM'56), Mgr., Eastern Area Sales, Lenkurt Electric Co., 425 13 St., N.W., Washington, D.C.

 COMBES, EVERETT T. (S'57-M'58), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 COMBES, RENE M. (SM'53), Chief Engr., Missile Dev. Dent., Bendix Aviation, 11600 Sherman Way, North Hollywood, Calif.
- wood, Calif.

 COMBIE, ANDREW A. (A'41), Supwr. of Radio, Massachusetts State Police, Northampton, Mass.

 COMBS DAVID D. (A'52), Sr. Electronics Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 COMBS, JAMES A. (S'49-A'50-M'56), Electronics Engr., Wright-Patterson AFB, Ohio.

- COMBS, JAMES F. (A'50-M'58), Electronics Engr., Monsanto Chemical Co., Texas City, Tex.

 COMBS, JIMMY P. (S'55-M'58), Engr. 111, Zenith Radio Corp., 1500 N. Kostner, Chicago, III.

 COMBS, JOHN W. (S'52-A'54), Electronics Engr., USAF, Eglin AFB, Fla.

 COMBS, MERRILL E. (S'52-A'53), Research Engr., Hughes Aircraft Co., Fullerton, Calif.

 COMBS, MOSERT G. (S'55-M'58), Instr., Elec. Engrg., North Carolina State College, Raleigh, N.C.

 COMBS, WILD ON F. (S'51-A'53-M'58). Mem. Tech.

- COMBS, WELOON E. (S'51-A'53-M'58), Mem. Tech. Staff, Research & Oev. Lab., Hughes Aircraft Co., Culver City, Calif.
- Culver City, Calif.

 COMEAU, CHARLES P. (A'55), Project Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

 COMEAU, EUGENE A. (A'55), Auto Engineman, Oept. of Traffic, 100 Gold St., New York 38, N.Y.

 COMENZO, LEONARD F. (S'56-M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 COMER ASHER J. (A'58), 525 Land Title Bldg., Philadelphia 10, Pa.

- COMER, FRANK E. (SM*57), Oir., Plans & Programs, Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles, Calif.

- Calif.

 COMER, J. LABARRE (M'55), Mktg. Research Mgr., GE Co., LMEO, Utica, N.Y.

 COMER, JOHN W. (M'54), Sales Asst., Kimble Glass Co., Box 1035, Toledo 1, Ohio.

 COMERCI, FRANK A. (SM'55), Electronics Scientist. COMES, ROBERT G. (4'58), Liaison Enor., Military Field Service Div., Burroughs Corp., 511 N. Broad St., Philadelphia 23, Pa.

 COMINS, ALFRED W. (SM'53), Mgr., Equipment Dev. Engrg., RCA, New Holland Ave., Lancaster, Pa.

 COMIS, DION (M'58), Engr., Sperny Gyroscope Co., Gr
- Engrg., RCA, New Holland Ave., Lancaster, Pa.
 COMIS, DINO (M'58), Engr., Sperry Gyroscope Co., Great
 Neck, L.I., N.Y.
 COMISKEY, JOHN M. (A'53-M'59), Project Engr., USN
 Underwater Sound Lab., Ft. Trumbull, New London, Conn.
 COMITZ, PAUL (S'49-A'49-M'55), Engr., American Bosch
 Arma Corp., Garden City, L.I., N.Y.
 COMMON, CHRIS A. (A'55), Instr., Electronics Sect., GMC
 Institute, Chevrolet & 3rd Aves., Flint 2, Mich.
 COMMONS, DONALD W. (S'53-A'56), Staff Asst., Sandia
 Corp., Sanida Base, Albuquerque, N.
 COMNIOS, DONALD A. (S'50-A'52-M'57), Design & Dev.
 Engr., RCA, Camden, N.J.
 COMNIOS, ROBERT (A'56-M'58), System Engr., ITT

- COMNINOS, ROBERT (A'56-M'58), System Engr., ITT Labs., Nutley 10, N.J. Labs., Nutley 10, N.J.
 COMO, ANTHONY (S'53-A'55), Electronics Engr., New
 York Naval Shipyard, Bldg. 77, Electronics Div., Code
 282B, Brooklyn, N.Y.
- COMOGLIO, GIOVANNI (A'59), Corso Tassoni 12, Torino,
- COMPTON, CHARLES G. (M'55), Engrg. Research, Minnesota Mining & Mfg. Co., 400 McKnight Rd., St. Paul 6, Minn.

- O, 400 MCRIGHT RO., St. Paul 6, Minn.

 COMPTON, HARRY B. (S'49-A'51-M'56-SM'59), Mem. Tech. Staff, Bell Tel Labs., Whippany, N.J.

 COMPTON, MILTON E., JR. (S'48-A'51-M'56), Chief, Thermal Radiation Studies Sect., Far Infrared Branch, U. S. Army Engrq. & Development Labs., Ft. Belvoir, Va.

 COMPTON, PHILIP D., JR. (S'55-M'56), Physicist, Univ. of California Radiation Lab., Box 808, Livermore, Calif.

 COMPTON, RALPH T., JR. (S'58-M'59), Jr. Elec. Engr., Developmental Engrg. Corp., Box 551, Leesburg, Va.

 COMPTON, RONALD L. (S'49-A'56), Sr. Engr., Librascope, Inc., 808 Western Ave., Glendale, Calif.

 COMSTOCK, ALLEN L. (S'49-A'56-M'55), Head, Engra., Test & Evaluation, Hastings-Raydist, Inc., Newcomb Ave., Hampton, Va.

 COMSTOCK, DANIEL F., JR. (M'55), Research Engr.,

- Hampton, Va.

 COMSTOCK, DANIEL F., JR. (M'55), Research Engr., Arthur D. Little, Inc., 15 Acom Park, Cambridge, Mass. COMSTOCK, DAVID C. (A'52-M'57), Electronics Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H. COMSTOCK, GEORGE C. (A'47-M'47-SM'51-F'57), Oir., Research & Engr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.
- COMSTOCK, GEORGE.E., III (M'56), Sr. Engr., Potter Instrument Co., Sunnyside Blvd., Plainview, L.I., N.Y. COMSTOCK, ROBERT L. (S'50-4'51-M'56), Engr., Pacific Telephone & Telegraph Co., 3940 7 Ave., San Oiego,
- COMSTOCK, WILLIAM D. (S'53-M'58), Elec. Engr., Syracuse Univ. Research Corp., University Sta., Box 26, Syracuse 10, N. Y.
- COMTE, GEORGES N. (M'54), Research Engr., Centre de Recherches de la Compagnie Generale d'Electricite, 33 rue Emorian, Paris 15, France.
- COMYNS, LOUIS S. (S'49-A'52-M'54), Project Engr., Electronic Specialty Co., 5121 San Fernando Rd., Los Angeles, Calif.
- Angeles, Calif.
 CONABLE, JACK H. (S'54-M'57), Lt., USN, Staff, ComphibConRon Two, FPO, New York, N.Y.
 CONANT, JAMES A. (M'57), Design Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
 CONANT, JOHN L. (M'5B), Genl. Electronics Engr., Wright Air Development Center, Oet. 3, Air Force Unit P.O., Los Angeles 45, Calif.
- Angeles 45, Calif.
 CONANT, LUTHER C., JR. (M'56), Sr. Research Physicist, Franklin Institute Lab. for Research & Development 20 & The Pkwy., Philadelphia 3, Pa.
 CONANT, ROGER D. (M'56), Elec. Supt., Alcoa Minino Co., Moengo Paramaribo Suriname, Dutch Guiana, South Africa.
 CONANT, WILLLAM W. (A'59), Research Engr., Natl Aeronautics & Space Agency, Beltsville Space Center, Washington 25, D.C.
- CONARD, LLOYD J. (A'58), Assoc. Engr., IBM, Kingston,
- N. Y.
 CONARD, RALPH W. (A'53), Design & Production Engr.,
 Raytheon Mfg. Co., Waltham 54, Mass.
 CONARY, WILLIAM R. (S'52-A'53), TV Technicain, Community Television Co., 771 Main St., Wakefield, Mass.
 CONAWAY, DOUGLAS W. (A'56-M'57), Genl. Mgr., Electronic Marketers, Inc., 25 Hoyt St., Newark 3, N. J.
 CONCELMAN, CARL W. (A'47-M'55), Chief Engr., Danbury-Knudsen, 15 Thorpe St., Danbury, Conn.
 CONCORDIA, CHARLES (SM'55), Mgr., Genl. Analytical Engr., GE Co., Schenectady 5, N.Y.

- CONDA, ALYCE M. (M'57), Mathematician, Natl. Bureau of Standards, Boulder, Colo.
 CONDE, HECTOR O. (S'53-A'55), Chief, Electronics Lab., Facultad de Ciencias Medicas, Instituto de Fisologia, Paraguay 2155, Fopiso, Buenos Aires, Argentina.
 CONDIE, MARION A. (SM'58), Unit Suowr., Systems Analysis, Electronics Div., Ryan Aeronautical Co., Box 2308, San Oiego 12, Calif.
- CONDOM, AUGUSTO S. (S'39-A'41-SM'49), Calle B 56, Vedado, Havana, Cuba.
- CONDON, AUGUSTUS. (5/39-A/41-SM/49), Calle B 56, Vedado, Havana, Cuba.

 CONDON, EOWARD U. (M/42-SM/43-F/53), Prof., Physics & Chmn. of Dept., Washington Univ., St. Louis 5, Mo.; Consulting Physicist, Coming (lass Works, Coming N.Y. CONDRON, WILLIAM F. (S/57-A/58), Electronics Technician, Webcor, Inc., 816 N. Kedzie St., Chicago, Ill. CONDY, JAMES (S/56-A/58), Asst. Flight Test Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y. CONE, DONALD I. (A'31-SM/53), Asst. Prof., Engrg., San Jose State College, San Jose, Calif. CONE, DONALD R. (S/48-A/50-SM/54), Tech. Oir., Electronic Oisplay Lab., Litton Industries, 960 Industrial Rd., San Carlos, Calif.

- tronic Oispilay Lab., Litton Industries, 960 Industrial Rd., San Carlos, Calif.

 CONE, ROBERT M. (A'59), Pres., Robert Cone Advertising, Inc., 234 E. 47 St., New York, N.Y.
 CONE, ROGER R. (M'56), 611 Thayer, Richland, Wash.
 CONE, RONALO O. (M'56), Supvg. Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 CONE, WADE H. (SM'59), Sect. Mgr., Philco Corp., 3875 Fabian Way, Palo Alto, Calif.
 CONERLY, FRANK L. (A'59), Engr., Installation, Federal Electric Corp., Paramus, N.J.
 CONERLY, PAUL A. (S'55-M'57), Engr., Radiation, Inc., Box 37, Melbourne, Fla.
 CONESA, RALPH (M'52), Principal, St. Xavier's College Technical Institute, Bombay 1, India.
 CONGDON, KENNETH P. (S'49-A'50-M'55), Sr. Design Engr., Avco Mfg. Corp., Crosley Div., Arlinotton St., Cincinnati, Ohio.
 CONGDON, RICHARD L. (S'41-A'43-SM'52), Mgr., Quality Assurance, Semi conductor Components Div., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas, Tex.
 CONGER, NORMAN L. (A'54), Research Engr., Continental
- CONGER, NORMAN L. (A'54), Research Engr., Continental Oil Co., Ponca City, Okla.
 CONGER, WILLIAM H. (A'53-M'58), Engr., GE Co., Syracuse, N.Y.
 CONGLETON, WILLIAM L. (S'58-M'59), Elec Engr., Sylvania Elec Prods., Inc., Needham, Mass.
 CONIBER, GEORGE A. (A'55), Engr., GE Co., Syracuse,
- N.Y.

 CONIGLIARO, SALVATORE A. (SM'59), Head, Engro.
 Dext., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 CONIGLIO, PHILIP J. (S'56-A'57), Engr., New York Telephone Co., 199 Fulton Ave., Hempstead, L.I., N.Y.

 CONKLIN, DAVIO E. (A'53), Supvr., Tracking Systems,
 Nortronics Div., Northron Aircraft, Inc., Hawthorner, Calif.

 CONKLIN, HAROLD A. JR. (S'46-A'51-M'55), Electronics
 Engr., The Baldwin Plano Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.

 CONKLIN, HAMES I. (M'57), Sr. Prod. Planning Engr.,
- nati 2, Ohio.

 CONKLIN, JAMES L. (M'57), Sr. Prod. Planning Engr.,
 Ampex Corp., 934 Charter St., Redwood City, Calif.

 CONKLIN, JOHN L. (S'53-M'58), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.

 CONKLIN, RICHARD N. (M'57), Jr. Engr., IBM, Kingston,
 N. V.

- N.Y.
 CONKLIN, W. STANLEY (M'56), Asst. Project Engr.,
 Bendix Aviation Corp., Towson 4, Md.
 CONLEY, FRED M. (M'58), Engr., Edgerton, Germeshausen
 & Grier, Inc., 160 Brookline Ave., Boston, Mass.
 CONLEY, JAMES W. (S'55-M'59), Engr., IBM,
 Poughkeepsie, N.Y.
 CONLEY, JOHNIE W., 111 (M'58), Engr,-in-training, RCA,
 Missile Test Project, Patrick AFB, Fla.
 CONLEY, JOSEPH M. (M'57), Physicist, Research Labs.,
 Aberdeen Proving Grounds, Md.
 CONLEY, PATRICK (S'46-A'49-M'55-SM'59), Mgr., Air
 Arm Oiv., Westinghouse Elec. Corp., Box 746, Baltimore
 3, Md.

- CONLEY, WILFRED H. (A'47-M'55), Radio Engr., Rte. 4,

- CONLEY, WILFRED H. (A'47-M'55), Radio Engr., Rte. 4, Van Wert, Ohio.

 CONLIN, HENRY T. (A'53), Factory Engr., Philoc Corp., Sandusky, Ohio.

 CONLON, JOHN R. (M'59), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 CONLON, JOSEPH M. (M'59), Project Engr., Natl. Institute of Health, Bethesda 14, Md.

 CONLON, ROBERT J. (S'56-M'57), Principal Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.

 CONLEY, EUGENE R. (A'43), Sr. Engr., Bell Tel. Co. of Nevada, 160 W. 1st., Reno, Nev.

 CONN, JOSEPH A. (A'53), Flight Navigator, Transocean Air Lines, Oakland Airbort, Calif.

 CONN, MICHAEL L. (S'55-M'59), Elec. Engr., Lockheed Missiles & Space Oiv., Box 504, Sumnyvale, Calif.

 CONN, RALPH B. (S'49-A'51-M'53), Project Engr., Aeronutronic Systems, Inc., 2701 Halladay St., Santa Ana, Calif.

- Ana, Calif.

 CONNALLY, ROBERT E. (S'45-A'48-M'55), Instrument Engr., GE Co., Richland, Wash.

 CONNAUGHT, PHILLIP M. (M'55), Project Engr., Robertshaw-Fulton Controls Co., 2920 N. 4 St., Philadelphia, Pa.

 CONNAWAY, JAMES E. (A'57), Engr., RCA Service Co., 838 N. Henry St., Alexandria, Va.

 CONNELL, ARTHUR O. (A'57), Project Lead-Computer Group, Writers, Norair Div., Northrop Aircraft, Inc., 1001 E. Broadway, Hawthorne, Calif.

- GUOD, MINELL J. SBRIAN (S'50-A'51-M'56), Asst. Prof., Dept. Elec. Engrg., Institute of Technology, St. Louis Univ., 3621 Olive St., St. Louis 8, Mo.

 CONNELL, JOHN L. (M'54), Research Specialist, Boeing Airplane Co., Seattle, Wash.

 CONNELL, JOSEPH B. (S'56-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whilppany, N. J.

 CONNELL, JOSEPH C. (M'50), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 CONNELL, JOSEPH W. (S'54-M'56), Elec. Engr., Los Alamos Scientific Lab., Box 1663, Los Alamos, N. M.

 CONNELLY, EDWARD McD. (A'55), Elec. Engr., Melpar, Inc., Falls Church, Va.

- CONNELLY, JAMES H. (S'54-M'56), Mech. Engr., Whitengeco Venezolana S.A., c/o Cia Shell de Venezuela, Lagunillas, Zulia, Venezuela.

 CONNELLY, JAMES J. (S'52-A'53-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 CONNELLY, JOHN J. (M'56), Elec. Engr., RCA, Hwy. 38, Merchantville, N.J.

- Merchantville, N.J.
 CONNELLY, JOSEPH M. (A'55), Dev. Engr., GE Co.,
 Owensboro, Ky.
 CONNELLY, MARK E. (S'4B-A'51-M'56), Research Engr.,
 MIT, Cambridge, Mass.
 CONNER, BOBBY C. (A'54-M'58), 2508 Murray Dr.,
 Midwest City, Okla.

- Midwest City, Okla.

 CONNER, CHARLES D. (S'56-M'57), Test Equipment Engr., IBM, Owego, N.Y.

 CONNER, CHARLES I. (A'52-M'57), 5 Murieston PI., Edinburgh 11, Scotland.

 CONNER, CHARLES I. (A'51-SM'56), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 CONNER, CLAUDE C. (A'51-SM'56), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 CONNER, FANNKLIN L. (A'59), Sales Mgr., Erskine Precision Wire Corp., Emporium, Pa.

 CONNER, HARRY G. (S'49-A'50-M'5B), Research Engr., Engrg. Research Lab., E. I. du Pont de Nemours & Co., Wilmington 98, Del.

 CONNER, JOHN 8. (S'54-M'56), Design Engr., Beech
- wilmington 98, Del.
 CONNER, JOHN 8. (S'54-M'56), Design Engr., Beech
 Aircraft, Wichita, Kan.
 CONNER, LEO M. (A'45-M'53), Educational Specialist,
 Course Materials, U.S. Naval Training Publications Center,
 U.S. Naval Receiving Sta., Washington 25, D.C.
 CONNER, ROBERT W. (M'58), Project Engr., RCA, Camden, N.J.

- CONNER, ROBERT W. (M'58), Project Engr., RCA, Camden, N.J.
 CONNERTON, BYRON J. (S'57-A'59), 2666 N. 21 St.,
 Milwaukee 6, Wis.
 CONNERTON, CHARLES D. (SM'58), Wing Cmdr., Tech.
 RAF, Pucklechurch, Bristol, England.
 CONNOLLY, GLEN E. (S'56-M'59), Instr., Elec. Engrg.,
 Tufts Univ., Medford 55, Mass.
 CONNOLLY, JAMES J. (M'59), Jr. Engr., Philico Corp.,
 4700 Wissahickon Ave., Philadelphia, Pa.
 CONNOLLY, JAMES V. (M'41-M'55), Prof., Physics,
 Holy Cross College, Worcester, Mass.
 CONNOLLY, TERRENCE E. (M'57), Engr., HMED, GE
 Co., Syracuse, N.Y.
 CONNOLLY, THOMAS W. (M'57), Sr. Engr., Sperry Gyroscope Co., Sysoset, L.I., N.Y.
 CONNOR, DONALD W. (A'52-M'57), Assoc. Physicist,
 Argonne Natl. Lab., Box 299, Lemont, III.
 CONNOR, EARLE C. (A'56), Tech. Dir., Calgary Broadcasting Co., Ltd., 1000 Greyhound Bldg., Calgary, Alta.,
 Canada.
 CONNER, GEORGE C. (A'15-VA'39). Photolamn
- Canada.

 ConNer, George C. (A'15-VA'39), Photolamp
 Div., Sylvania Lighting Prods. Div., Sylvania Elec. Prods.,
 Inc., 1740 Broadway, New York 19, N. Y.

 CONNOR, JOHN A. (S'43-A'45-M'51-SM'56), Asst. Mgr.,
 Prod. Engrg. Debt., Communications Div., Hughes Aircraft Co., Culver City, Calif.

 CONNOR, JOSEPH J. (A'47), Inspector, Aerovox of Canada,
 Ltd., 1551 Barton St., E., Hamilton, Ont., Canada.

 CONNOR, THOMAS J. (S'54-A'55), Dev. Engr., Varlan
 Associates, 611 Hansen Way, Palo Alto, Calif.

 CONNER, WALTER J., JR. (S'51-A'52-M'57), Engrg.
 Group Leader, RCA, Camden, N. J.

 CONNOR, WILLIAM E. JR. (S'50-A'54), Fngrg. Sect.

- CONNER, WALTER J., JR. (S'51-A'52-M'57), Engrg. Group Leader, RCA, Camden, N. J.
 CONNOR, WILLIAM E., JR. (S'50-A'54), Engrg. Sect. Head, Spery Gyroscope Co., Great Neck, L.I., N. Y.
 CONNORS, THOMAS J., JR. (S'52-A'53-M'57), Sales Engr., Texas Instruments, Inc., State Tower 8ldg., Syracuse, N. Y.
 CONNORS, THOMAS L. (M'57), Research Asst., Willow Run Lab., Univ. of Michigan, Ann Arbor, Mich.
 CONOVER, DANIEL G. (A'46), Asst. Supvr., Sta. WOR, 1440 Broadway, New York 18, N. Y.
 CONOVER, JOHN C. (M'5B), USAF, Box 3247 AFIT, Wright-Patterson AFB, Ohio.
 CONOVER, TAMPENCE J. (SM'57), Prof. & Head, Dept. of Elec. Engrg., Lafayette College, Easton, Pa.
 CONOVER, WILEY V. (S'51-A'52-M'58), Mem. Tech. Staff, Ramo-Wooldridge Corn., 5500 W. El Segundo Blvd., Los Ángeles 45, Calif.
 CONOVER, WILEY V. (S'51-A'52-M'58), Mem. Tech. Staff, Ramo-Wooldridge Corn., 5500 W. El Segundo Blvd., Los Ángeles 45, Calif.
 CONOVER, WILLIAM 8. (M'59), Dev. Engr., GE Co., PittSfield, Mass.
 CONQUEST, E. ALLAN (S'48-A'52-M'56), Dev. Engr., Variam Associates, 611 Hansen Way, Palo Alto, Calif. CONRAD, ALBERT G. (SM'49), Chmn., Debt. of Elec. Engrg., Yale Univ., New Haven, Conn.
 CONRAD, CLARENCE G. (A'40-M'47-SM'59), Electronics Engr., Aerial Reconnaissance Lab., Wright Air Development Center, Wright-Patterson AF8, Ohio.
 CONRAD, DAVID A. (M'59), Rte. 6, Box 272-X, Tucson, Arz.

- CONRAD, DAVID A. (M'59), Rte. 6, Box 272-X, Tucson,

- CONRAD, DAVID A. (M'59), Re. 6, Box 272-X, Tucson, Ariz.

 CONRAD, E. GLEN (A'46), Instr., Radio Communications & Electronics, Long Beach City College 8TD, 1305 E. Pacific Coast Hwy., Long Beach 6, Calif.

 CONRAD, EDWARD R. (M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 CONRAD, EDWARD R. (M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 CONRAD, ELTON (A'51-SM'55), Staff Engr., Ground Systems Div., Hughes Aircraft Co., Fulleron, Calif.

 CONRAD, GEORGE T., JR. (M'55), Electronic Scientist, Natl. Bureau of Standards, Washington 25, D.C.

 CONRAD, GEORGE T., JR. (M'55), Electronic Scientist, Natl. Bureau of Standards, Washington 25, D.C.

 CONRAD, MATTHEW (S'41-A'42-SM'54), Consultant, 442 W. Durham St., Philadelphia 19, Pa.

 CONRAD, RALPH C. (M'46), Engra. Instr., College of Marin, Kentfield, Calif.

 CONRAD, RAVMOND J. (S'56-M'58), Engr., Clary Dynamics, 139 Jefferson, Vista, Calif.

 CONRAD, ROCER S. (M'45-SM'47), Chief Systems Engr., Sundstrand Aviation, 2421 11 St., Rockford, Ill.

 CONRAD, ROSER S. (M'45-SM'47), Chief Systems Engr., Sundstrand Aviation, 2421 11 St., Rockford, Ill.

 CONRAD, ROSS, JR. (S'58-M'58), 5328 Whitten St., Ft. Worth 15, Tex.

 CONRAD, THOMAS E., JR. (M'48), Process Engr., Tung-Sol Electric, Inc., 200 Bloomfield Ave., Bloomfield, N.J.

 CONRAD, CALVIN D. (A'53-M'57), Sr. Engr., IBM, Monterey & Cottle Rd., San Jose, Calif.

- CONROE, ALBERT H. (A'45), Curator, Elec. Engrg. Dept., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.

- CONROE, ALBERT H. (A'45), Curator, Elec. Engrg. Dept., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.
 CONRON, GREGORY F. (S'56-M'58), Engr., Norden Labs., Westmoreland Ave., White Plains, N.Y.
 CONRON, MILLIAM H. (A'31-SM'46), Sr. Staff Engr., Genl. Precision Labs., Pleasantville, N.Y.
 CONRON, MILLIAM H. (A'31-SM'46), Sr. Staff Engr., Genl. Precision Labs., Pleasantville, N.Y.
 CONROY, CHARLES L. (A'54), Asst. V.P., Bank of America NT & SA, 300 Montgomery St., San Francisco, Calif.
 CONROY, EUGEN E. D. (S'55-M'57), Assoc. Engr. IBM, Poughkeebsie, N. Y.
 CONROY, GEORGE J. (M'54), Components Appl.cations Engr., RCA. Camden 2, N. J.
 CONROY, JOHN F. (A'55), Pres., The Tele-Tronics Co., 1BO S. Main St., Ambler, Pa.
 CONROY, JOSEPH M. (A'23-VA'39-SM'51), Project Engr., RCA-Victor Co., Ltd., Montreal, P. Q., Canada.
 CONROY, MARTIN J. (A 50), Engr., WFMJ Broadcasting Co., 101 W. Boardman St., Youngstown, Ohio.
 CONROY, MARTIN J. (A 50), Engr., WFMJ Broadcasting Co., 101 W. Boardman St., Youngstown, Ohio.
 CONROY, ROBERT J. (A'52-M'58), Sr. Field Engr., Philoc Com., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 CONNOY, THOMAS P. (S'58-M'59), Lt., USN, Box 2127 USNPG School, Monterey, Calif.
 CONROY, THOMAS P. (S'58-M'59), Lt., USN, Box 2127 USNPG School, Monterey, Calif.
 CONNOY, THOMAS P. (S'54-M'56), Instr., Engr., Pennsylvania State Univ. University Dr., McKeesport, Pa.
 CONSEO, PENIGNO J. (S'49-A'52-M'57), Electronics Engr., Boeing Airplane Co., 80x 107, Seattle 14, Wash.
 CONSEO, BENIGNO J. (S'49-A'52-M'57), Electronics Engr., Boeing Airplane Co., 80x 107, Seattle 14, Wash.
 CONSTANI, JAMES N. (S'51-A'52-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culwer City, Calif.
 CONSTANT, JAMES N. (S'51-A'52-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culwer City, Calif.
 CONSTANT, JAMES N. (S'51-A'52-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culwer City, Calif.
 CONSTANTINE, ARCELINE A. (A'54), Purch. Agent, Celco, Box 555, Mahwah, N. J.
 CONSTANTINE, PANO M. (A'53), Genl. Mgr.
 Celco, Box 555, Mahwah, N. J.
 CONSTANTIN

- Tucson, Ariz.

 CONSTANTINIDIS, GEORGE P. (A'56), Insurance Dept.,
 Reinhart & Co., Box 1999, Cairo, Egypt.

 CONSTANTINO, JOSEPH C. (A'57-M57), Sr. Engr.,
 Sylvania Elec. Prods., Inc., 175 Great Arrow, Buffalo 7,
 N. Y.

- N.Y.

 CONTE, THEODORE M. (S'43-A44-SM'46), Staff Engr., The Chesapeake & Potomac Telephone Co. of Virginia, 703 E. Grace St., Richmond 19, Va.

 CONTI, EDWARD A. (M'58), Quality Control Engr., Ampex Com., 934 Charter St., Redwood City, Calif.

 CONTOS, PAUL A. (S'55-M'56), Scientist, Lockheed Aircraft Corp., MSD, 3251 Hanover St., Palo Alto, Calif.

 CONTOS, PETER G. (A'52-M'57), Elec. Engr., Bureau of Electricity, Div. of Elec. Engrg., City Hall, Chicago 2, III.

- CONTRACTOR, SAROSH N. (M'57), Asst. Signal & Tele-communications Engr., Indian Govt. Railways, S. E. Rly., Garden Reach., Calcutta, India.
 CONTRASTAN, DANTE P. (A'52), 81 Evans St. New Hyde Park, L. I., N. Y.
 CONTRIAN TAMELIO, (A'49), Radio-Elec. Mechanic, United Air Lines, 6000 S. Cicero Ave., Chicago, III.
 CONVERTINO, ROGER O. (A'51-M'58), Electronics Engr., Rome Air Development Center, Griffiss AF8. N. Y.
 CONVISER, HARRY (A'31-VA'39), Chief Engr., Digital Prods., Fairchild Controls Com., 6111 E. Washington Blvd., Los Angeles 22, Calif.
 CONWAY, BRANT 8. (A'44-M'55), Electronics Engr.

- CONWAY, BRANT 8. (4'44-M'55), Electronics Engr., Philco Corp., Philadelphia, Pa. CONWAY, JAMES N. (M'5B), Engr., Librascope, Inc., Glendale, Calif. CONWAY, JOHN P. (S'57-M'59), Instrumentation Engr., Rocketdyne Div., No. Amer. Aviation, 6620 Canoga Ave., Canoga Park, Calif.
- Canoga Park, 2d II.

 CONWAY, JOHN W. (S'55-M'57), Asst. Engr., Raytheon Mfg.
 Co., Wayland, Mass.

 CONWAY, JOSEPH F., JR. (S'48-A'50), Principal Engr.,
 Sperry Utah Engrg. Lab., 322 N. 21, W., Salt Lake City
 13, Utah.

- Sperry Utah Engra. Lab., 322 N. 21, W., Salt Lake City 13, Utah.
 CONWAY, JOSEPH F., JR. (S'41-A'43-M'46-SM'51), Dir., Engra., Federal Electric Corp., 621-671 Industrial Ave., Paramus, N. J.
 CONWAY, JULIAN C. (M'57), Dir., Conway Electronic Enterprises Reg'd., 1514 Eglinton Ave., W., Toronto, Ont., Canada.
 CONWAY, PHILIP W. (A'55), Sales Engr., Crossley Associates, 2711 W. Howard, Chicago, III.
 CONWAY, W. RONALD (M'54), Dev. Engr., Dept. of Defense Production, 70 Lyon St., Ottawa, Ont., Canada.
 CONWAY, WILLIAM H. (S'57-M'58), Mcm. Tech. Staff, Bell Tel. Labs., Whippany, N. J.
 CONWELL, MELVIN E. (M'57), Dev. Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz.
 COGGAN, EUGENE A. (S'51-A'52-M'56), Lialson Engr., FBM Test Mngt., Lockheed Missiles & Space Div., Sunnyvale, Calif.
 COGGAN, JOHN H. (A'53-M'58-SM'58), Staff Against Against Staff Against Staff Against Against Staff Against Again

- vale, Calif.
 COGGAN, JOHN H. (A'53-M'58-SM'58), Staff, Aeronutronic
 Systems, Inc., 1234 Air Way, Glendale, Calif.
 COK, AARON S. (M'59), Value Analyst, Raytheon Mfg.
 Co., Waltham, Mass.
 COOK, ALICE R. (A-57), Pres., Rich-Lane Advertising
 Co., 800-D Wilson Point Rd., Baltimore, Md.

- COOK, ALLAN B. (S'50-A'51-M'56), Design Engr., Con-

- vair, Ft. Worth, Tex.

 COOK, BURTON S. (M'59), Camroden Rd., R.D. 4, Rome, N. Y.

 COOK, CALVIN G. (S'54-M-56), Engr.-in-Chg., Data Processing Center, Avco Research & Dev. Div., 201

 Lowell St., Wilmington, Mass.

 COOK, CARL L. (M'58), Mgr., Field Operations, GE Co., Syracuse, N. Y.

 COOK, CHARLES E. (S'49-A'51-M'54-SM'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N. Y.

 COOK, CLARENCE C. (A'51-M'56), Electronics Scientist, Natl. Bureau of Standards, Boulder, Labs., Boulder, COOK.

- tist, Natl. Bureau of Standards, Boulder Labs., Boulder, Colo.

 COOK, CONRAD (A'39), Radio Mechanic, Pan American Airways, Miami, Fla.

 COOK, D., RONALD (S'51-A'53-M'57), Asst. Project Engr., Electric Boat Div., Groton, Conn.

 COOK, D., RONALD (S'51-A'53-M'57), Asst. Project Engr., Electric Boat Div., Groton, Conn.

 COOK, DANIEL E. (M'56), Quality Control Officer, 587th Missile Maint. Sqdn., APO 130, New York, N. Y.

 COOK, DANIEL E. (M'56), Quality Control Officer, 587th Missile Maint. Sqdn., APO 130, New York, N. Y.

 COOK, DANIEL E. (M'56), Aris Engr., Texas Instruments, Inc., 4104 N. Harlem Ave., Chicago 34, III.

 COOK, DONALD W. (S'58-M'59), Jr. Engr., Federal Oiv., 3702 E. Pontiac, Ft. Wayne, Ind.

 COOK, ELP. (SM'56), Brio. Genl., U.S. Army, Chief Research & Dev. Div., Office of Chief Signal Officer, The Pentagon, Washington 25, D.C.

 COOK, EDWARD G. (M'56), Dir., Research, Alcar Instruments, Inc., 17 Industrial Ave., Little Ferry, N. J.

 COOK, ELLSWORTH D. (A'21-VA'39-F'41), Sect. Mgr. Electronic Systems Engrg. Sect., Genl. Engrg. Lab., GE Co., Schenectady 5, N. Y.

 COOK, ELLWOOD E. (M'56), Staff Engr., Goodyear Aircraft Corp., 1215 Massillon Rd., Akron 15, Ohio.

 COOK, FRANK W. (A'30-VA'39), Electronics Engr., FCC, Washington 25, D.C.

 COOK, GEORGE J. (M'59), Project Leader, The Decca Navigator Co., 247 Burlington Rd., New Malden, Survey, England.

- Surrey, England.

 COOK, GEORGE R. (S'48-A'51-SM'55), Project Engr., Mandrel Industries, 5134 Glemmont Dr., Houston, Tex.

 COOK, GEORGE W. (S'48-A'51-M'56), Sr. Project Engr., Sperry Phoenix Co., Phoenix, Ariz.

 COOK, GLBERT V. O., (A'51-M'55), Elec. Engr., Hathaway Instrument Div., Hamilton Watch Co., Denver, Colo.

 COOK, GLENN V. (S'56-A'58), Prod. Service Rep., GE Co., 1103 N. Central Ave., Phoenix, Ariz.

 COOK, HAROLD A. (S'55-A'57), 3238 McKinley St., Hollywood, Fla.

- Hollywood, Fla.

 (S'4B-A'51-M'56), Chief Engr., The Ohmart Corp., 2236 Bogen St., Cincinnati 14, Ohio.

 COOK, HENRY L. JR. (S'4B-A'51-M'56), Chief Engr., The Ohmart Corp., 2236 Bogen St., Cincinnati 14, Ohio.

 COOK, HERBERT A. (M'45), Pres. Airpax Electronics. Inc., 6601 N. W. 19 St., Ft., Lauderdale, Fla.

 COOK, HERBERT B. (S'53-A'55-SM'57), Lt. Cmdr., USN & Electronics Engr., Air Development Sqdn. One, USNAS, Key West, Fla.

 COOK, IVAN M. (M'5B), Supt., Communications, Shell
 Oil Co., 1008 W. 6 St., Los Angeles 54, Calif.

 COOK, JACK D. (M'57), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 COOK, JACKSON H. (S'35-A'3B-VA'39-SM'52), Engr., Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.
- Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.

 COOK, JOHN E. (M'57), Electronics Engr., Charleston Naval Shioyard, Naval Base, S. C.

 COOK, JOHN S. (S'52-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill. N. J.

 COOK, A. L. W. (A'41), 2, The Broadway, Andover, Hampshire, England.

 COOK, K. TERRELL (S'55-M'58), Engr.-in Training, Allis Chalmers Mig. Co., Milwaukee 1, Wis.

 COOK, KENNETH H. (A'49-M'55), Chlef Engr., KTVH, 1800 N. Plum, Hutchinson, Kan.

 COOK, KENNETH H. (A'36-M'38), Research & Dev. Officer, USAF, Kirtland AF8, N. M.

 COOK, LEWRENCE (A'36-M'39), Engr., Boonton Radio Corn., Boonton, N. J.

 COOK, LEONARD R. (S'57-M'59), Staff Engr., U. S. Naval Avionics Facility, 21 St. & Arlington Ave., Indianapolis 1B, Ind.

- Ind.
 COOK, LE ROY (S'56-M'57), 1251 Danville Dr.,
 Richardson, Tex.
 COOK, LESLIE J. (SM'56), Resident Mgr., Automatic Data
 Processing Project, Ramo-Wooldridge Corp., Box 627,
 Sierra Vista, Arlz.
 COOK, LOUIS H., JR. (A'54), Physicist, E. I. du
 Pont de Nemours & Co., Operations Savannah River
 Lab., Aiken, S.C.
 COOK, M. EUGENE (M'55), Prod. Analyst, RCA, Camden
 N. J.

- OOK, RICHARD M., II (S'56-M'59), Assoc. Engr., Douglas Aircraft Co., Sacramento, Calif.

 COOK, RCHARD M., II (S'56-M'56), Sr. Electronics Engr., Convair-Astronautics, Box 1128, San Diego, Calif.

 COOK, PHILIP D. (M'58), Project Engr., 2033 Latham St., Mountain View, Calif.

 COOK, RALPH H. (M'48), Project Engr., TV, Admiral Corp., 3800 W. Cortland St., Chicago 47, III.

 COOK, RICHARD H., II (S'56-M'59), Assoc. Engr., Douglas Aircraft Co., Sacramento, Calif.

 COOK, RICHARD M. (S'48-A'49-M'55), Engr., Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif.

 COOK, RICHARD M. (S'48-A'49-M'55), Engr., Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif.

- COOK, RICHARD M. (S'48-A'49), T/Sgt., USAF, Patrick
- AFB, Fla.
 COOK, RICHARD W. (M'57), Design Engr., Westinghouse Elec. Corp., Rte. 27, Metuchen, N.J.
 COOK, ROBERT A. (M'58), Chief Inspector, Instrument & Electronic Div., Land Air, Inc., 2133 Adams Ave., San Leandro, Calif.
- Leandro, Calli.
 COOK, ROBERT E. (M'56), Geophysical Engr., Imperial
 Oil, Ltd., 300 9 Ave., W., Calgary, Alta., Canada.
 COOK, ROBERT H. (S'57-M'58), Electronics Engr.,
 Canadair Services, Ltd., 8ox 6087, Montreal, P.Q.,
- COOK, SEYMOUR (A'50-M-55), V.P. Chief Engr., ITV, Inc., 370 7 Ave., New York 1, N.Y.
 COOK, THOMAS 8. (M'57), Electronics Engr., Naval Ordnance Lab., White Oak, Silver Spring, Md.

- COOK, WALLACE E. (M'57), 21923 Ottawa Rd., Apple Valley, Calif.
 COOK, WALTER J. (M'59), Designer, The Mitre Corp., Lexington 73, Mass.
 COOK, WALTER M. (S'53-M'57), Supvr., Tech. Writing Sect., Sylvania Elec. Prods., Inc., Waltham 43, Mass.
 COOK, WAYNE N. (A'40), Exec. V.P., WCAR, Inc., 500
 Temple Ave., Detroit 1, Mich.
 COOK, WILLIAM H., Jr. (A'51-M'56), Electronics Engr., Counter-Countermeasures, Army Ordnance Corps, ORDXR-REE, Redstone Arsenal, Ala.
 COOK, WILLIAM M. (S'45-A'55), Transistor Circuit

- KEE, Redstone Arsenal, Ala.
 COOK, WILLIAM M. (S'54-A'55), Transistor Circuit
 Dev. Engr., RCA, Camden 2, N.J.
 COOK, WILLIAM S. (A-58), Main Sta. Supvr., Federal
 Electric Corp., Montreal Airport, Montreal, P. Q.,
 Canada.
- COOKE, C. W., JR. (SM'57), Research Engr., Hughes Research & Development Labs., Box 90902, Airport Sta.,
- COOKE, DON E. (S'55-A'57), 430 Westgate Rd., Kenmore 17, N.Y.

- COOKE, DON E. (S'55-A-57), 430 Westgate Rd., Remmore 17, N.Y.

 COOKE, E. RAY (A'55), Asst. Transmitter Supvr., CBS, 5445 N. 27 St., Milwaukee 9, Wis.

 COOKE, HARRY F. (S'47-A'50-M'55), Sr. Engr., Texas Instruments, Inc., Box 31.2, Dallas 9, Tex.

 COOKE, HARRY L. (A-55), Research Engr., RCA Labs., Princeton, N.J.

 COOKE, JAMES P. (S'55-A'56), Test Equipment Supvr., Stavid Engrg., Inc., Rte. 22, Plainfield, N. J.

 COOKE, KENNETH R. (A'42), Chief Engr., Scranton Broad-casters, Inc., WDAU-TV; WGBI-AM-FM, 1000 Wyoming Ave., Scranton 9, Pat.

 COOKE, KENNETH R. (A'56), Communications Technician, Chicago Communication Service, 503B S. Pulaski Rd., Chicago 32, Ill.

 COOKE, LOUIS G. (A'45-M-46), Engr., Pacific X-Ray

- Chicago 32, Ill.

 COKE, LOUIS G. (A'45-M'46), Engr., Pacific X-Ray Co., 361 Hayes St., San Francisco, Callf.

 COKE, BLSON M. (A'39-M'40-SM'43), Pres., Cooke Engrs. Co., 50B N. Pitt St., Alexandria, Va.

 COKE, NORMAN C. (A'57), Engr., RCA Victor, 1510 N. Vine St., Hollywood 2B, Callif.

 COKE, ROBERT M. (S'50-A'53-M'57), Elec. Engr., Daniel, Mann, Johnson & Mendenhall, Architects & Engrs., 3325 Wilshire Bivd., Los Angeles 5, Callf.

 COKE, ROBERT W. (S'M'51), V.P., Canadian Aviation Electronics, Ltd., 6214 Cote de Liesse Rd., Dorval, P.Q., Canada.
- P.U., Canada.
 COOKE, WILLIAM T. (SM'44), Asst. to V.P., Research &
 Dev., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 COOKE-YARBOROUGH, EDMUNO H. (M'45), Head, Electronics Div., Atomic Energy Research Est., Harwell, Didcot,
 Berks., England.
- COOKSON, ALBERT E. (SM'53), Assoc. Lab. Dir., ITT Labs., Nutley 10, N. J. COOL, LEONARD R. (S'47-A'48-M'55), Sales Engr., Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos,
- Calif.

 COOL, PAULE. (A'53-M'58), Lt. Col., USAF, Chief, Guided Missiles Branch, Oirectorate, Flight Safety Research Hgrs. USAF, Notron AFB, Calif.

 COOLEY, AUSTIN G. (M'44-SM'54-F'55), Dir., Engrg., Times Facsimile Corp., 540 W. 58 St., New York 19, N.Y.
- COOLEY, CAYWOOD C., JR. (A'50), V.P., Chg. Industrial Prods. Div., Jerrold Electronics Corp., 15 & Lehigh Ave., Philadelphia 32, Pa.
- COOLEY, HENRY E. (M'56), Mgr., Prod. Engrg., IBM, Kingston, N.-Y.

- Kingston, N.Y.

 COOLEY, HERBERT M. (S'54-A'55), Sound Equipment Operator, 281 Custer, Akron, Colo.

 COOLEY, JAMES A. (M'58), Project Physicist, Well Surveys, Inc., 624 E. 4 St., Tulsa, Okla.

 COOLEY, PETER (S'49-A'51-M'56), Mem. Tech. Staff, Bendix Systems Div., Ann Arbor, Mich.

 COOLEY, RALPH W. (S'57-M'59), Electronics Engr., Jansky & Bailey, Inc., 1339 Wisconsin Ave., N.W., Washington 7, O.C.

- Jansky & Balley, Inc., J. 339 Wisconsin ever, N. Washington 7, O.C.

 COOLEY, ROBERT M. (SM'52), Field Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 COOLEY, RODNEY E. (S'57-M'57), Production Engr., Dynac, Inc., 295 Page Mill Rd., Palo Alto, Calif.

 COOLEY, WILLIAM W. (S'51-A'55), Transistor Circuit Research, Boeing Airplane Co., Seattle 14, Wash.

 COOLIDGE, ARTHUR W., JR. (S'40-A'41-M'46), Design Engr., GE Co., Schenectady, N. Y.

 COOLIDGE, CHARLES A., JR. (A'54), Chief Engr., C K Components, Inc., 101 Morse St., Newton 58, Mass.

 COOLIDGE, JOHN C. (A'55), Prod. Engr., Corning Glass Works, Corning, N. Y.

 COOLIDGE, JOHN C. (A'49-M'55), Research Engr., Borg-Warner Central Research Lab., Algonquin & Wolf Rds., Des Plaines, III.

 COOLSMA, S. FRED (M'55), Standards Engr., Canadian
- COOLSMA, S. FRED (M'55), Standards Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.
- COOMBS, C. WILLIAM (M'56), Project Engr., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.
- Canada.

 COOMBS, CLINTON C., JR. (A/54), Electronics Engr., U. S. Government, Wright Patterson AFB, Ohio.

 COOMBS, JOHN M. (A'44-M'55), Mgr., System Research Dept., IBM, Yorktown Heights, N.Y.

 COOMBS, SAMUEL H. (A'50-M'55), Sales Engr., S. Sterling Co., 15310 W. McNichols Rd., Detroit 35, Mich.

 COOMBS, WILLIAM C. (S'33-A'35-VA'39-SM'52), Mgr., Radio Systems Lab., Colorado Research Corp., Broomfield Hgts., Colo.
- COOMBS, MILLIAM F., JR. (M'55), Sr. Elec. Engr., 130" Cyclotron Lab., Physics Dept., Univ. of Rochester, Rochester, N.Y.
- COOMBS, WILLIAM J. (S'53-A'53), Engr., Douglas Air-craft Corp., Long Beach. Calif.
- c::if Corp., Long Beach. Calif.

 COOMES, EDWARD A. (M'46-SM'46), Prof., Physics
 Dept., Univ. of Notre Dame, Notre Dame, Ind.

 COOMES, PAUL S. (S'49-A'51-M'55), District Commercial
 Engr., GE Co., 3800 Milwaukee Ave., Chicago, III.

 COON, C. EVERETT (A'35-VA'39-M'55), Commercial
 Engr., Turg-Sol Electric, Inc., 200 Bloomfield Ave.,
 Bloomfield, N.J.

- COON, R. MARSHALL (M'55), Electronics Engr., Natl. Bureau of Standards, Boulder, Colo.
 COON, WILLIAM B. (A'54), Dir., Engrg., Simpson Electric Co., 5200 W. Kinzie St., Chicago 44, Ill.
 COONCE, HOMER E. (S'51-A'53-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 COONEN, JEREMIAH J. (S'57-M'58), Field Engr., Western Electric Co., Winston-Salem, N.C. COONER, WILLIAM M. (A'57-M'59), Reliability Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

- Bendix Aviation Corp., 1 Cholo Sinetimal way, Noth Intilify wood, Calif.

 CONNEY, FRANK A. (M'54), Specialist Engr., Republic Aviation Corp., Conklin St., Farmingdale, L.I., N.Y.

 COONEY, JOHN A. (A'55), Assoc. Prof., Physics, St. John's Univ., Utopia Pkwy., Jamaica, L. I., N.Y.

 COONEY, JOHN N., JR. (S'56-M'57), Jr. Engr., IBM, Owego, N.Y.

 CONNEY, JOHN N. (A41-M'55), Box 89, Waldoboro, Me. COONEY, JOSEPH J. (A'55-M'58), Engr., Bendix Prods., Missile Sect., 400 S. Belger, Mishawaka, Jin.

 COONEY, KENNETH B. (M'56), Engr., Northrop Aircraft, Inc., 500 E. Orangelhorpe, Anahelm, Calif.

 COONEY, THOMAS D. (S'57-M'58), Elec. Engr., Plper Aircraft Corp., 820 E. Bald Eagle St., Lock Haven, Pa. COONS, ROBERT J. (A'55-M'57), Capt., USAF, Telecommunications Officer, 1975th AACS Sqdn., APO 117, New York, N.Y.

- communications Officer, 1975th AACS Sqdn., APO 117, New York, N.Y.

 COPER, ARTHURE. (S'47-A'50-M'55-SM'59), Exec. Mgr., Advanced System Research Lab., IBM, Owego, N.Y.
 COPER, BENJAMIN (M'53), Mgr., Design Engr., Specialty Control Dept., GE Co., Waynesboro, Va.

 COPER, BERNARD R. (S'50-A'51-M'56), Dev. Engr., ITT Labs., Nutley 10, N.J.

 COPER, BERNARD R. (S'56-M'5B), Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.

 COPER, BERNARD R. (S'56-M'5B), Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.

 COPER, BRIAN F. (M'47), Principal Research Officer, Commonwealth Scientific & Industrial Research Organization, Radiophysics Lab., City Rd., Chippendate, N.S. W., Australia; on leave at Gordon McKay Lab., 9 Oxford St., Cambridge 38, Mass.

 COPER, CEORIC B. (A'54), Partner, Genl. Mgr., Cooper Radio Co., 165 13 St., N., St. Petersburg, Fla.

 COOPER, CHARLES C. (M'59), Sr. Engr., Control Data 501 Park Ave., Mimneapolis 15, Minn.

 COOPER, CHARLES G. (S'53-A'55), Asst. Dir., Research & Oev., Corp. for Economic & Industrial Research. 1200 Jefferson-Davis Hwy., Arlington 2, Va.

 COOPER, CLAYTON W. (A'59), Publication Engr., GE Co., Syracuse, N.Y.

 COOPER, D KENDALL (A'58), Patent Atty., IBM, Poughkeepsie. N.Y.

- GE Co., Syracuse, N.Y.
 COOPER, D KENDALL (A/58), Patent Atty., IBM,
 Poughkeepsle, N.Y.
 COOPER, DANIEL I. (SM'56), Mng. Editor, Nucleonics
 Magazine, McGraw-Hill Pub. Co., 330 W. 42 St.,
 New York 36, N.Y.
- COOPER, DAVID L. (S'56-M'59), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
- COOPER, DONALO T. (S'34-A'38-VA'39), Owner, Cooper-Clement Associates, Engrs., B35 Glenside Ave., Wyncote, Pa.
- COOPER, EDWARO H. (M'46-SM'53), Staff Engr., Directorate of Labs., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Patterson Ar B., Onlo. COOPER, EDWARO J. (S'56-M'57), Engrg. Trainee, RCA, Lancaster, Pa. COOPER, FRANKLIN S. (A'46-M'55), Pres. & Research Dir., Haskins Labs., Inc., 305 E. 43 St., New York
- 17, N. Y.
 COOPER, GARY L. (S'56-M'59), Research Engr.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.
 COOPER, GEORGE P. (A'51-M'55), Project Engr.,
 Wiley Electronics Co., 2045 W. Cheryl Dr., Phoenix, Ariz.
- nix, Ariz.
 COOPER, GEORGE R. (A'44-M'55), Prof., Elec. Engrg.,
 Purdue Univ., Lafayette, Ind.
 COOPER, GERALD (S'46-A'53-M'5B), Head, Systems
 Analysis Sect., Raytheon Mfg. Co., Maynard, Mass.
 COOPER, GORDON (A'51-M'56), Design Specialist, Martin
 Co., Orlando, Fla.
- CO., Urlando, Fla.
 COOPER, H. WARREN, III (S'48-A'50-SM'55), Advisory
 Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.
 COOPER, HARRY V. (A'52-M'57), Sr. Engr., Bendix
 Aviation Corp., 11600 Sherman Way, North Hollywood,
 Calif.

- Calif.

 Cooper, Herbert W. (SM'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 Cooper, Howard K. (A'56), Project Engr., Beltone Research Lab., Vashington 26, D.C.

 Cooper, Howard K. (A'56), Project Engr., Beltone Research Lab., 4B50 W. Belmont, Chicago, III.

 Cooper, JACK R. (A'51-SM'56), Research Group Supvr., Pan American Petroleum Corp., 80x 591, Tulsa, Okla.

 Cooper, JACK R. (A'57), 5300 Mission Rd., Kansas City 3, Kan.

 Cooper, JAMES A. (S'55-M'58), Research Engr., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.

 Cooper, JAMES E. (M'55), Electronics Systems Engr., Avro Alferaft Ltd., Box 4004, Terminal A, Toronto, Ont., Canada.
- Avro Aircraft Ltd., Box 4004, Terminal A, Toronto, Ont., Canada.

 COPER, JAMES H. (M'59), 2nd Lt., USAF, Electronics Engr., San Antonio Air Materiel Area, Kelly AFB, Tex. COPER, JAMES R. (M'51), 21-Inci Sokak 10, Bahcelierber, Ankara, Turkey.

 COPER, JAMES V, B. (A'48-M'50), Advisory Engr., IBM, Owego, N. Y.

 COPER, JIM W. (SM'55), Chlef Engr., WFAA & WFAA-TV, 1122 Jackson St., Dallas 2, Tex.

 COPER, LAVON K. (S'57-M'58), 666 Rose Hill Rd., Reynoldsburg, Ohio.

 COPER, LOUIS (S'58-M'59), Circuit Design Engr., Hughes Aircraft Co., Culver City, Calif.

 COPER, Martin (M'56), Sect. Mgr., Motorola, Inc., 4545 W. Augusta Bivd., Chicago 51, Ill.

 COPER, MARTIN (M'56), Sect. Mgr., Motorola, Inc., 4545 W. Augusta Bivd., Chicago 51, Ill.

 COPER, MARTIN J. (S'56-M'58), Assoc. Engr., ITT Federal Labs., 3702 E. Pontlac, Ft. Wayne, Ind.

 COPER, MARVIN (A'57), Microwave Engr., W. L. Maxson Coper, MARVIN (A'57), Microwave Engr., W. L. Maxson COPER, NATHAN (M'57), Microwave Engr., W. L. Maxson COPER, NATHAN (M'57), Electronics Scientist, Naval Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

- COOPER, PAUL V. (A'49), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 COOPER, PAUL W. (A'52-M'57), Sr. Research Engr., Melpar, Inc., 43 Leon St., Boston, Mass.
 COOPER, RALPH N. (M'57), System Engr., RCA, 2720 E. Broadway, Tucson, Ariz.
 COOPER, RELDON W. (A'51), Secy.-Treas., Du-Co Ceramics Co., Saxonburg, Pa.
 COOPER, RICHARD D. (S'50-A'51-M'56), Electronics Engr., Philo Corp., Philadelphia 32, Pa.
 COOPER, RICHARD J. G. (A'49), Tech. Officer, Dept. Natl. Defence (Air), Air Materiel Command Hyrs., RCAF, Rockcliffe, Ottawa, Ont., Canada.

 - Nati. Defence (Air), Air Materiel Command Hors., RCAF, Rockcliffe, Ottawa, Ont., Canada.

 COPER, RICHARD K. (S'56-M'59), 2339 Florencita, Montrose, Calif.

 COPER, RICHARD M., III (M'56), Elec. Engr., RCA, Moorestown, N.J.

 COOPER, ROBERT G. (A'54), Electronics Engr., Convair, Pomona, Calif.

 COPER, ROBERT L. (M'57), Design Engr., Tennalab, 417-419 S. 10 St., Quincy, III.

 COPER, ROBERT E. (S'58-M'59), 1161 Colorado Blvd., Denver 6, Colo.

 COPER, ROBERT S. (A'55), Teaching Asst., MIT, Cambridge 39, Mass.

 COPER, ROBERT S. (A'55), Teaching Asst., MIT, Cambridge 39, Mass.

 COPER, ROBERT S. (A'55), Teaching Asst., MIT, Cambridge 39, Mass.

 COPER, ROBERT S. (A'55), Leader, RCA, Camden 2, N.J.

 COPER, SIDNEY (S'46-A'48-M'55), Leader, RCA, Camden 2, N.J.

 COPER, THEODORE W. (M'56), Head. Tensista 5
 - Camer 2, N.J.
 COOPER, THEODORE W. (M'56), Head. Transistor Engrg.
 Dept., Semiconductor Div., Hughes Prods., Newport Beach
 Calif.
 - COOPER, VICTOR J. (A'41-M'55), Chief TV Engr., Marconi's Wireless Telegraph Co., Ltd., Cheimsford, Essex, England.
 - COOPER, WILLIAM H. (SM'4B), Box 246, Merritt Island,

 - COOPER, WILLIAM H. Gm 4D, 504 CT, 504 CT, 514 COOPER, WILLIAM K. (S'57-M'59), Elec. Engr., White Sands Missile Range, N.M.
 COOPER, WILLIAM N. (A'54), Instr., Electronics, USAF1, F1. Monroe, Va.
 COOPERMAN, JROME 1. (S'48-A'53-M'58), Elec. Engr., Diamond Ordnance Fuze Labs., Washington 25, O. C.
 COOPERMAN, MICHAEL, (M'58), 213-A Haddon Hills Apts., Haddonfield, N.J.
 COOPERSTEIN, BERNARD D. (S'57-M'59), 2339 N. 30
 St., Philadelphia 32, Pa.
 COOPERSTEIN, MARTIN (A'49-M'52), Mgr., Fire Control

 - COOPERSTEIN, MARTIN (A'49-M'52), Mgr., Fire Control Oept., Sylvania Elec. Prods., Inc., Waltham, Mass. COOPPER, RODERICK A. (S'52-A'53), Staff Engr., IBM, Kingston, N.Y.
 - COORDSEN, JOHN F., JR. (M'56), Dept. Chief, Elec. Engrg., Western Electric Co., 801 Merritt Or., Greensboro, N.C.

 - Engrg., Westem Electric Co., 801 Merritt Or., Greensboro, N.C.
 COORS, JOSEPH (A'58), Pres., Coors Porcelain Co., 600 9 St., Golden, Colo.
 COOTES, JACK G. (S'57-M'59), Elec. Designer, Newport News Shipbuilding & Dry Oock Co., Newport News, Va. COOVER, MERVIN S. (SM'49), Dean Emerius, Engrg., 10wa State College, Ames, 10wa.
 COPE, JOHN E. (SM'55), Chief TV Engr., Pye, Ltd., St. Andrews Rd., Cambridge, England.
 COPE, LOVD G. (A'57), Technician-in-Chg., Monitoring Stas., Dept. of Transport, Ottawa, Ont., Canada.
 COPE, ROBERT W. (S'54-A'55), Project Engr., Bendix Radio, Towson 4, Md.
 COPEL, MICHEL (M'53-SM'57), Electronics Scientist, Material Lab., Navy Dept., Brooklyn 1, N.Y.
 COPELAND, AUGUSTINE L. (S'52-A'53-M'5B), Physicist, Diamond Ordnance Fuze Labs., Washinston, D.C.
 COPELAND, DONALD E. (S'53-M'57), Design Engr., Ford Instrument Co., 30-10 41 Ave., Long Island City 1, N.Y.
 COPELAND, JOHN R. (S'56-M'59), Research Assoc., Arenna Lab., Ohio State Univ., Columbus 10, Ohio.

 - Antenna Lab., Onio State Univ., Columbus 10, Onio.
 COPELAND, MELVIN (M'58), Engr., ITT Labs., Nutley
 10, N.J.
 COPELAND, PAUL L. (M'57), Prof., Physics, Illinois Institute of Technology, 3301 bearborn, Chicago 16, Ill.
 COPELAND, ROBERT C. (S'52-M'58), Research Meteorologist, Allied Research Associates, Inc., 43 Leon St., Boston
 - COPELAND, THOMAS J. (M'55), Field Engr., Continental Electronics Mfg. Co., 4212 S. Buckner, Dallas 17, Tex. COPELAND, WILLIAM H. (A'54-SM'55), Engr.-in-Chg., Color TV. Tech. Operations, CBS-TV, West Coast, 7800 Beverly Blvd., Los Angeles 36, Calif.

 - Color IV. Lect. Operations, CoS-1V, West Cost, 7800 Reverly Blvd., Los Angeles 36, Calif. COPELAND, WILLIAM O. (M'57), Electronics Design Engr., RCA, Camden 2, N.J.

 COPESTAKES, JOSEPH E. (A'55), Engr., Defense Electronic Prods., RCA, Moorestown, N.J.

 COPITHORNE, A. RUSSELL (A'54), Project Engr., United Shoe Machinery Corp., Balch St., Beverly, Mass.

 COPLAND, GEORGE V. (M'56), Dev. Engr., Hallibuton Oil Well Cmtg. Co., M.R.D., Tech. Center, Duncan, Okla.

 COPLEIN, GORDON D. (S'56-M'57), Assoc., Darby & COPPLAND, GEORGE V. (M'56), Dev. Engr., Hallibuton Oil Well Cmtg. Co., M.R.D., Tech. Center, Duncan, Okla.

 COPLEIN, GORDON D. (S'56-M'57), Assoc., Jarby & COPPLAND, GORDON D. (S'56-M'57), Assoc., Jarby & COPPLAND, GORDON D. (S'37-A'40-M'46-SM'46), Systems Engrg. Supvr., GE Co., Syracuse, N.Y.

 COPP, MOYS. (A'44-M'55), Owner, Copp Radio Labs., 333 W. Mornument Ave., Dayton 2, Onio.

 COPP, MILLIAM C. (A'42-M'56), Owner, Copp Radio Labs., 72 W. 45 St., New York 36, N.Y.

 COPPACK, KENNETH N. (M'58), Engr., Automatic Telephone & Electric Co., Ltd., Exchange Labs., Cheapside, Liverpool 2, England.

 COPPER, GEORGE S. (S'50-A'51-M'57), Chief Tool Engr., Copper.

 - Liverpool 2, England.

 COPPER, GEORGE S. (S'50-A'51-M'57), Chief Tool Engr.,
 Avionics Div., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 COPPERNOLL, RUSSELL W. (S'57-M'58), Communications
 & Electronics Staff Officer, 1983 AACS Sqdn., APO 23,
 New York, N.Y.
 - COPPOCK, RICHARD A. (M'53), Electronics Dev. Group Leader, Motorola, Inc., 8201 E. McDowell, Phoenix, Aria.
 - Aria.

 COPPOLA, ANTHONY (M'57), Electronics Scientist, Rome Air Development Center, Griffiss AFB, N.Y.

 COPPOLA, ARNOLD S. (A'51-M'56), Sr. Engr., Sperry-Gyroscope Co., Great Neck, L.I., N.Y.

 COPPOLA, ARTHUR A. (A'51-M'58), Electronics Engr., U.S. Signal Engrg. Labs., Evans, Belmar, N.J.

- COPPOLINO, LOUIS S. (S'49-A'51-M'56), Research & Dev. Engr., Speidel Corp., Industrial Div., 243 Richmond St., Providence, R.I.
- COPPS, EDWARD M., JR. (M'58), 46 Hereford St., Boston 15, Mass.
- Boston 15, Mass.

 COPSON, DAVID A. (M'58), Pres., Forum Corp.,
 Cohasset, Mass.

 CORATHERS, C. NEAL (A'54-M'57), Electronics Maintainer, Chesapeake & Ohio Railway Co., Walbridge, Ohio.

 CORAZZA, GIAN C. (A'57), Research-worker, Instituto Superiore P. P. T. T., Viale Trastevere 189, Roma, Italy.

 CORBEIL, MAURICE J. (S'53-M'55), Defence Scientific Service Officer, Canadian Armament Research & Dev. Est.,

 80x 1427, Quebec City, P. Q., Canada.
- ONA 1-27, Quebec City, P.Q., Canada. CORSELL, ISAAC T., JR. (S'48-A'50-SM'56), Mgr., Microwave Design Engrg. Communication Prods. Dept., GE Co., Lynchburg, Va. CORSELL, PAUL I., JR. (M'47), Sales Mgr., Radiation Div., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

- Canil T.

 CORBETT, HAROLD L. (M'58), Tech. Officer, Broadcasting, Dept. of Transport, Ottawa, Ont., Canada.

 CORBETT, HENRY L., JR. (M'58), Pres., Mgr., Corbett Electronics Co., 915 N.W. 19 Ave., Portland 9, Ore.

 CORBETT, HERBERT W. (A'56), Engr., Martin Co., Middle River, Md.
- River, Md.

 CORBETT, JACK A. (M'54), Process Engr., MinneapolisHoneywell Regulator Co., 600 2nd St., N., Hopkins, Minn.

 CORBETT, LEVI V. (S'51-M'56), Range Engr., Computing
 Devices of Canada, Ltd., 80x 508, Ottawa 4, Ont.,
 Canada.
- CORBETT, THEODORE (S'54-A'58), Asst. Street Lighting Engr., Pacific Power & Light Co., 920 S.W. 6 Ave., Portland 4, Ore.

- Portland 4, Ore.

 CORBETT, WALTER F. (A'55), Technician Chief, USCG. Air Sta., South San Francisco, Calif.

 CORBIN, CHARLES D. (S'56-M'58), Dev. Engr., Collins Radio Co., 1200 Alma Rd., Richardson, Tex.

 CORBIN, GLENN C. (A'54), Design Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 CORBIN, MELVIN W. (A'57), Lab., Supvr., Elec., Engr., Air Force Institute of Technology, Wright-Patterson AFB, Ohio.
- Onio.

 CORBIN, SELBERT A. (A'55-S'57-A'58), 2403 Pitkin
 Ave., Brooklyn B, N.Y.

 CORBY, ROBERT B. (M'55), Military Sales Mgr., Motorola,
 Inc., 8201 E. McDowell Rd., Phoenix, Ariz
- CORCORAN, DONALD G. (M'56), Sr. Engr., Electronics Div., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.
- CORCORAN, GEORGE F. (A'43-SM'53-F'56), Prof. & Chmn., Elec. Engrg. Dept., Univ. of Maryland, College Park, Md.
- CORCORAN, JOHN W. (S'48-A'51-M'5B), Sr. Scientist, Beckman & Whitley, Inc., 973 E. San Carlos Ave., San Carlos, Calif.
- CORCORAN, VINCENT J. (S'56-M'58), Asst. Electronics Engr., Chicago Midway Labs., 6220 S. Drexel, Chicago, III.
- CORCORRAN, H. 8 , II (S'55-A'57), 2623 4 St., N. W., Albuquerque, N. M.

- Albuquerque, N.M.:

 CORD, CARL E. (A'53), Asst. Service Myr., The S.A. Long
 Co., Inc., 232 N. Market, Wichita, Kan.

 CORD, JOHN H. (M'57), Instr., De Vry Technical Institute, 4141 Belmont Ave., Chicago 41, III.

 CORDARO, CARMINE F. (A'53-M'59), V.P., Engrg.,
 WKAP, WNAR, WTSP, WWNR & WFEA, Box 689,
 Allentown, Pa.
- Allentown, Pa.

 CORDELL, BEN P., JR. (S'56-M'57), Relay Test Man Florida Power & Light Co., 80x 738, Riviera Beach, Fla.

 CORDELL, LLOYD B. (M'57), Engr., Midwestem Instruments, 41 St. & Sheridan Rd., Tulsa, Okta.

 CORDELL, RALPH L. (A'51-M'56), Research Engr., Stanolind Oil & Gas Co., 41 St. & Yale, Tulsa, Okla.

 CORDERMAN, CHARLES L. (S'46-A'50-M'55-SM'57), DDL Staff, MIT Lincoln Lab., Lexington 73, Mass.

 CORDERMAN, ROY C. (A'43-SM'44), Customer Relations Engr., Western Electric Co., Lexington Rd., Winston-Salem, N. C.

 CORDERMAN, SIDNEY A. (A'51-M'57), Chief Foor, Mc.
- Salem, N.C.

 CORDERMAN, SIDNEY A. (A'51-M'57), Chief Engr., Mc
 Intosh Lab., Inc., 2 Chambers St., Binghamton, N.Y.

 CORDERMAN, W. PRESTON (SM'54), Pres., Times Facsimile Corp., 540 W. 58 St., New York 19, N.Y.

 CORDERO, FRANK (S'54-A'55), TV Engr., WBRC, Inc.,

 WBRC-TV, Red Mountain, Birmingham, Ala.
- CORDES, EDWIN L. (M'45), Chief Engr., TV Facilities, The Journal Co., WTMJ-TV, 333 W. State St., Milwau The Journal kee 1, Wis.

- kee 1, Wis.

 CORDOVA, N. ARTHUR (M'56), Supvr., Sandia Corp.,
 Sandia Base, Albuquerque, N. M.

 CORDRAY, RICHARD E. (4'53-M'58), Assoc. Prof.,
 Elec. Engray., Chico State College, Chico, Calif.

 CORDIAN, ALFRED E. (5'M'54), Rt. 1, Cabot, Ark.

 CORDIAN, ALFRED E. (A'50-M'55-SM'59), Staff Engr.

 Lockheed Missile Systems Div., 3251 Hanover St., Palo
 Alto, Calif.

 COREY, BENJAMIN W. (A'53), Pres., Hi Fi Lab., LAB

 Electronic Supply, 1065-71 Massachusetts Ave., Cambridge, Mass.

- COREY, CARL P. (A'58), Mobile Communications Systems Engr., RCA, Camden, N. J. COREY, EDWARD J. (A'43), Sr. Electronics Engr., Packard Bell Electronics, 12333 W. Olympic Blvd., Los Angeles 64, Calif.
- COREY, FRANCIS 8. (S'53-A'54), 1535 Hickory St., Niles, Mich. COREY, HORACE E., JR. (SM'55), Transmission Maint. & Coordination Engr., AT&T Co., 195 Broadway, New York 7, N.Y.

- York 7, N. Y.

 COREY, PATRICK J. (S'58-M'59), Engr., Boeing Aimlane
 Co., Seattle 24, Wash.

 COREY, SHANNON A. (A'53-M'56), Sr. Field Engr., Bendix Radio Div., Baltimore 4, Md.

 COREY, VICTOR 8. (A'45-M'55), Tech. Dir., Donner
 Scientific Co., 888 Galindo St., Concord, Calif.

 CORGNATI, ELDO S. (S'53-A'55), Field Engr., Federal
 Electric Corp., 8ox 347, Lodi, N. J.

 CORIAT, JACO80 L. (A'46-SM'57), Production Mgr.,
 Capehart Argentina, S. A., Int. Tomkinson 1700,
 San Isidro, 8 uenos Aires, Argentina.

- CORK, HARDLD A. (M'53), Sr. Project Engr., A. C. Spark Plug Div., 1925 E. Kenilworth, Milwaukee, Wis.
- WIS.

 CORK, LAWRENCE E. (M'57), Electronics Specialist, Electronic Warfare Dept., Ft. Huachuca, Ariz.

 CORKHILL, JOHN M. (5'49-A'51-M'58), Elec. Engr., Convair, San Diego, Calif.

 CORKILL, JOHN F. (A'40-M'45), FCC, Washington 25, D.C.
- D. C.
 CORKRAN, DAVIS H. (M'53-SM'56), Mgr., Engrg. Sales,
 Electronic Associates, Inc., Long Branch, N. J.
 CORKRAN, RICHARD L., JR. (A'49-M'55), Cmdr., USN,
 Flectronics Material Officer, Staff, Cmdr. US Atlantic Fleet
 Norfolk, Va.
- NOTIOIK, VA.

 CORKRAN, ROBERT E. (S'57-A'58), Engrg. Technician,
 Eberline Instrument Corp., 508 Early St., Santa Fe,
 N. M.
- ORL, JOHN L. (S'41-A'44-M'48-SM'55), Sr. Staff Engr., Berkeley Div., Beckman Instruments, Inc., 2200 Wright Ave., Richmond, Calif.
- Ave., Richmond, Calif.

 CORLESS, ROBERT L. (M'55), 1st. Lt., U.S. Army
 Signal Corps, 17 Signal Bn., APO 164, New York, N. Y.

 CORLETT, HOWARD G. (S'53-A'54), Electronics Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 CORLEY, CHARLES F. (S'57-M'58), Computer Engr.,
 No. Amer. Avlation, Internatl. Airmort, Los Angeles, Calif.

 CORMACK, GEORGE D. (M'55), Computer Engr., Computer En
- CORMACK, JOHN G. (S'50-A'52-M'57), Cmdr., USN, Dir., Tech. Div., USN Electronics Supply Office, Great Lakes, III.

- Dir., Tech. Div., USN Electronics Supply Office, Great Lakes, III.

 CORMACK, WILLIAM J., JR. (M'59), Service Mgr., Nash-Steele-Warren, Inc., Raleigh, N. C.

 CORMAN, DAVID (M'56), Dev. Engr., GE Co., 100
 Plastics Ave., Pittsfleld, Mass.

 CORMIER, REGINALD A. (S'56-M'58), Elec. Engr., Fairchild Astrionics Div., Wyandanch, L. I., N. Y.

 CORMIER, ROBERT E., JR. (M'56), Research Engr., Electrodynamic instrument Corp., 2522 Tangley Rd., Houston 5, Tex.

 CORMIER, ROBERT J. (A'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 CORN, JAMES W. (M'59), Asst. Area Systems Engr., Motorola Communications & Electronics, Inc., 1616
 Rollins Rd., Burlingame, Calif.

 CORN, MONROE (A'57), Engr., Writer, Lehigh Design Co., Inc., 62 Mulberry St., Newark, N. J.

 CORNELISON, BOYD (SM'56), Mgr., Germanium Industrial Prods., Box 312, Dallas 1, Tex.

 CORNELLIUS, WILLIAM B. (A'56), Sales Engr. Transitron Electronic Sales Corp., 6362 Hollywood, Hollywood, Calif. CORNELL, JAMES I. (M'39-SM'43), Production Mgr., Electric Prods., Div., Vickers, Inc., 1815 Locust St., St. Louis 3, Mo.

 CORNELL, JAMES R. (S'55-M'56), Design Dev. Engr., Electric Prods. Day 16 Mary 16 Markers Research Co. 1401 E.
- St. Louis J., Mo.
 CORNELL, JAMES R. (S'55-M'56), Design Dev. Engr.,
 Electronics Div., The Natl. Cash Register Co., 1401 E.
 El Segundo Bivd., Hawthorne, Calif.
 CORNELL, JOHN A. (A'50-SM'54), Mgr., Design & Dev.
 Engrg., RCA, Missile & Surface Radar Dept., Moorestown
 N. J.
- CORNELL, PAUL M. (A'51), Owner & Operator, Cornell Communications & Sales Co., 1340 Ford Rd., Lynd-hurst 24, Ohio.
- hurst 24, Ohio.

 CORNELL, WARREN A. (A'53), Mem. Tech. Staff, 8ell
 Tel. Labs., Murray Hill, N.J.

 CORNES, RANDOLPH W. (S'36-A'38-VA'39-SM'48),
 Asst. to Sales Mgr., Electronics Tube Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- CORNET, EDWIN (M'45-SM'58), AA Engr., Receiver Design & Dev., RCA-Victor, Camden 8, N. J.
 CORNETET, WENDELL H., JR. (S'49-4 50-M'58), Research Supvr. & Teacher, Ohio State Univ., Columbus 10, Ohio.
- CORNETT, JESSE R. (M'52), Geophysicist, Rogers Geophysical Co., 3616 W. Alabama, Houston 6, Tex.

- Tex.

 CORNETT, LEE A. (A'57), Engr., Westem Electric Co.,
 Winston-Salem, N. C.

 CORNETT, RAY (A'59), Field Engr., RCA Service Co.,
 531 Stare Rd., Cleveland, Ohio.

 CORNETT, VIRGIL (A'59), Chief Engr., Radio Sta. WCPM,
 Cumberland City Broadcasting, Inc., Cumberland, Ky.

 CORNETZ, WALTER (M'56), Supvr. Electronics Group,
 Republic Adviation Corp., Farmingdale, L.1., N.Y.

 CORNEZ, ARNOLD L. (S'55-A'56-M'58), Field Engr.,
 Electronics, Hoffman Labs. Div., 1201 S. Grand Ave.,
 Los Angeles 15, Calif.

 CORNING, JOHN J. (A'54), Transistor Application Engr.
- CORNING, JOHN J. (A'54), Transistor Application Engr., GE Co., Utica, N.Y.
 CORNS, ROBERT B. (A'52-M'53), Owner, Television Service Co., 407 W. Peace St., Raleigh, N.C.
 CORNWALL, EDWARD A., JR. (S'49-A'50-M'55), Electronics Engr., RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.
- ORNWELL, RICHARD C. (M'49-SM'58), Engr-in-Chg., Electronic Defense Lab., Sylvania Elec. Prods., Inc., 123 N., Whisman Rd., Muntain View, Calif. CORONITI, SAMUEL C. (A'31-M'45-SM'57), Chief, Geo-physics Sect., Avoc Research & Development Div., Wilm-ington, Mass.
- ington, Mass.
 CORP, DONALD E. (S'44-A'45-M'55), Physics Div., Administrative Engr., Cornell Aeronautical Lab., Inc., 4455 Genessee St., Buffalo 21, N.Y.
 CORPORON, RICHARD P. (S'44-A'46-M'55), Fleid Service Rep., Motorola Communications & Electronics, Inc., 4501 W. Augusta Bivd., Chicago 51, III.

- 4501 W. Augusta Blvd., Chicago 51, III.
 CORPUS, A. ROBERT (S'55-M'57), Design Engr., Boeing
 Airolane Co., E. Marginal, Seattle 24, Wash.
 CORR, JAMES J. (S'49-A'52-M'57), Design & Dev. Engr.,
 RCA, Moorestown, N.J.
 CORRADI, FRANK J., JR. (S'57-A'58), Asst., Engr.,
 Diehl Mfg. Co., Finderne Ave., Finderne, N.J.
 CORRADO, VICTOR M. (A'54), Research Engr., Mergenthaler Linotype Co., 29 Ryerson St., 8rooklyn 5, N.Y.
 CORREA, ALZAIR deCAMPOS (S'55-M'56), Engr., Cla.
 de Elevadores Atlas S'AJ, Rua Alexandre Levy, 202 S.
 Paulo, S., Paulo, Brasil.
 CORREA, HENRY A. (A'51), V.P. Mkto., AGE Industries
- CORREA, HENRY A. (A'51), V.P., Mktg., ACF Industries, Inc., 750 3rd Ave., New York 17, N.Y.

- CORREA, W. R. (S'47-A'50-M'56), Natl. Carbon Co. 'India', Ltd., 1 & 3 Brabourne Rd., Box 2170, Calcutta 1, India.
- CORREA do CARMO, ABILIO, JR. (S'45-A'46), Owner, Publicacoes Technicas, A. Correa do Carmo, Jr., Caixa Postal 3972, Rio de Janeiro, Brazil.
- CORREIA, FRANK, JR. (A'48), Dept. Head, Multiplex Dev. Engrg., Motorola, Inc., 1400 N. Cicero, Chicago, III.
 CORRELL, EDWARD G. (M'56), Electronics Engr., Aero-Medical Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- CORRIGAN, BRUCE G. (M'57), Staff Electronics Engr., Sacramento GEEIA Region, USAF, McClellan AF8, Calif. CORRIGAN, JAMES P. (M'58), Engr., Norden Labs. Div., United Aircraft Corp., 121 Westmoreland Ave., White
- United Aircraft Corp., 121 Westmoreland Ave., White Plains, N. Y.

 CORRIGAN, JOHN P. (M'56), Sr. Engr., Avco Research & Advanced Dev. Div., 201 Lowell St., Wilmington, Mass.

 CORRIGAN, MATTHEW J. (S'57-M'59), Engry, Super., Republic Steel Corp., 221 E. 131 St., Cleveland 8, Ohio.

 CORRIHER, HENRY A., JR. (S'49-A'51-M'56), Special Research Engr., Engre. Experiment Sta., Georgia Institute Corp., 121 Corp., 122 Corp., 123 Corp., 124 Corp., 124 Corp., 125 Corp.,

- Pomona, Calif.

 CORSIGLIA, JACK (M'59), Electronics Engr., 270 Wood-croft Dr., Rochester 16, N.Y.

 CORSON, DON E. (SM'55), Pres. & Chief Engr., Corson Electric Mig. Corp., 540 39 St., Union City, N.J.

 CORSON, DONALD K. (S'54-A'55), Service Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 CORTE, ROBERT L. (A'53), Field Engr., Westinghouse Elec. Corp., 2519 Wilkens Ave., Baltimore, Md.

 CORTES, CARLOS G. (SM'57), Operations & Maint. Chief Engr., Telesistema Mexicano, Av. Chapultepec 18, Mexico, D.F.
- CORTES-VAZQUEZ, RAFAEL (S'57-A'58), Transmitter Engr., American Colonial Broadcasting, USUR-TV, San-turce, Puerto Rico.
- CORTIZAS, ANTHONY P. (S'50-A'52-M'57), Sr. Engr., Defense Electronics Prods. Div., RCA, 75 Varick St., New York, N.Y.

- CORTNER, ALBERT H. (S'54-M'56), Elec. Engr., ARO, inc., Tullalioma, Tenn.
 CORTRIGHT, PAUL W. (S'57-A'58), Electronics Field Engr., GE Co., Cape Canaveral, Fla.
 CORTRIGHT, RICHARD D. (A'41-M'48), Chief, Crystal Div., Union Thermoelectric Co., 7212 Circle Ave., Forest Park, III.

- Div., Union Thermoelectric Co., 7212 Circle Ave., Forest Park, III.

 CORUM, DABNEY R. (S'47-A'50-M'56), Sr. Engr., Advanced Project Planning, RCA, Moorestown, N.J.

 CORVARI, JOHN (S'55-M'57), Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 CORVESE, RAYMOND D. (A'58), Flight Test Engr., Convair-Astronautics, Vandenberg AF 8, Calif.

 CDRVI, JOSEPH A. (A'50-S'55-M'57), Cant., USMC, Airto-Air Missile Project Officer, Point Mugu, Calif.

 CDRVIN, ALBERT (A'51-M'55-SM'56), Sr. Project Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 CORWIN, GLBERT (A'53-M'56), Project Engr., Victoreen Instrument Co., 5806 Hough Ave., Cleveland 3. Ohio.

 CORWIN, JORDAN J. (M'55), Project Engr., North Hills Electric Co., 402 Sagamore Ave., Cleveland, L.I., N.Y.

 CORWIN, MURRAY H. (A'52-M'57), Sr. Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 CORWIN, NEWELL J. (M'49), Plant Mgr., GE Co., Winfield & Sanders Ave., Scranton, Pa.

 CORWIN, THEODORE L. (A'59), Corwin Associates, 1210

 Old Gate Lane, Dailas 18, Tex.

 CORWIN, HOWARD P. (M'26-SM'43-F'52), V.P., Dev. & Research, Western Union, 60 Hudson St., New York 13, N.Y.

 CORY, CARLETON D., JR. (M'56), Project Engr., Delco

- N.Y.
 CORY, CARLETON D., JR. (M'56), Project Engr., Delco
 Radio Div., 700 E. Firmin St., Kokomo, Ind.
 CDRY, NORMAN L. (A'56), Lab. Technician, Delco Radio
 Div., 700 E. Firmin St., Kokomo, Ind.
 CORY, ROBERT W. (A'47), Field Engr., Magnetic Analysis
 Corp., 42-44 12 St., Long Island City 1, N.Y.
 CORY, WILLIAM E. (M'55-SM'58), Electronics System
 Engr., Lockheed Aircraft Corp., Burbank, Calif.
 CORZINE, RICHARD H. (A'58), Engr., Sylvania Elec.
 Prods., Inc., Waltham 54, Mass.
 COSACHOV SERNARDO (A'58), Radio Technician, Signal

- Prods., Inc., Waltham 54, Mass.

 COSACHOV, SERMARDO (4.5/8), Radio Technician, Sigma Electric Co., 11 E. 16 St., New York, N.Y.

 COSBY, JAMES R. (4.41-M'46), Principal Engr., Friez Instrument Div., Bendix Aviation Corp., Towson 4, Md.

 COSBY, JOHN C. (M'47), Design Div. Head, Hazelline Electronics Corp., Little Neck 62, L.I.N.Y.

 COSBY, LYNWOOD A. (M'57), Unit Head, Electronic Deception Group, Naval Research Lab., Washington, D.C.

 COSCARELLI, ERALDO (M'56), Electronics Engr., 8ureau of Ships, Navy Dept., Washington, D.C.

 COSENTINO, ADOLFO T. (4'37-VA'39-F'40), Minister of Communications, Argentina, Palacio de Correos y Telegrafos, 8uenos Aires, Argentina.

 COSENTINO, ALFONSO A. (M'53), Project Engr., CRS.

- 8uenos Aires, Árgentina.

 COSENTINO, ALFONSO A. (M'53), Project Engr., C8S, 485 Madison Ave., New York 22, N.Y.

 COSENTINO, ANTHONY V. (S'52-A'53-M'57), Radio Transmission Engr., New England Telephone & Telegraph Co., 470 Atlantic Ave., Boston 10, Mass.

 COSGRAVE, STEPHEN J. (S'50-A'51-M'56), Research Engr., No. Amer. Aviation, Downey, Calif.

 COSGRIF, ROBERT L. (S'47-A'49-SM'54), Assoc, Prof., Elec. Engrs. Dept., Ohio State Univ., Columbus, Ohio.

 COSGROVE, THOMAS (A'42-M'49-SM'52), Sr. Elec. Engr., City of New York, Bureau of the Budget, Municipal 8ldg., New York 7, N.Y.

- 8Idg., New York 7, N.Y.
 COSMAN, ALVIN (S'49-A'50-M'55), Electronics Engr.,
 Naval Ordnance Lab., White Oak, Md.
 COSMAN, BERNARD J. (A'54), Pres., Radionics, Inc.,
 76 Cambridge St., Burlington, Mass.
 COSMAS, ATHAN (A'57-M'57), Engr. in Chg. Transmitters,
 Interstate Broadcasting Co., WQXR-WQXR FM, Rear 5000
 Grand Ave., Maspeth 78, L. I., N. Y.
 COSNARD, FRANCIS (A'51), Directeur Commercial, Socapex,
 9 Rue Ed., Nieuport, Suresnes, Seine, France.
 COSONAS, ARTHUR (S'53-A'54), Systems Engr., Sperry
 Cyroscope Co., Syosset, L.I., N.Y.

- 135 -COS-COX

- COSS, WALTER L. (A'46-M'55), Col., USAF, Air Force Sect., MAAG-Spain, APO 285, New York, N.Y. COSTA, HELIO (A'50-M'55-F'58), Mai, Brig, Retired, Aye., Franklin Roosevelt 39, S 1301, Rio de Janerio, Ave. F Brazil,
- COSTA, MICHAEL J. (S'52-A'54), 1107 W. Green St.,
- Urbana, III.
 COSTA, PAULINO S. (A'56), Capt., Brazillian Army, Engrg.
 Corps Escola Tecnica do Exercito-Praia Vermelha, Río de
 Janerio, Brazil.
- Janeiro, Brazii.
 COSTA, PHILIP J. (SM'57), Project Engr., Research Dept.,
 Caterpillar Tractor Co., Peoria Proving Grounds, Peoria, III.
 COSTA, THOMAS A. (S'46-A'48-M'53), Sr. Staff Engr.,
 Genl. Mills, Inc., Mech. Div., 1620 Central Ave.,
 Minneapolis 13, Minn.
- Minneapolis 13, Minn.
 COSTANZA, FRANK V. (M'57), Maj, USMC, Electronics
 Engr., Dept. of Defense (NSA), Washington, D.C.
 COSTANZA, SAM T. (M'57), Sr. Project Engr., Hoffman
 Labs. Div., 3761 S. Hill St., Los Angeles 7, Calif.
 COSTANZO, PHILIP A. (A'46-M'51), Branch Mgr., Warren
 Radio Co., 5403 Prospect, Cleveland 3, Ohio.
- COSTAS, JOHN P. (\$'46-A'51-SM'56), Consulting Engr., GE Co., Syracuse, N.Y.

- GE CO., Syracuse, N.Y.
 COSTELLO, ALFRED W. (A'45-M'56), Electronics Engr.,
 Columbia Radiation Lab., 53B W. 120 St., New York
 27, N.Y.,
 COSTELLO, LOUIS B. (M'57), Project Engr., Hallicrafters,
 4401 W. 5 Ave., Chicago, III.
 COSTELLO, ROBERT E. (M'59), Elec. Design Engr., 'B'
 Chrysler Missile Div., Detroil 31, Mich.
 COSTELOW, JOHN A. (A'43), Inha A. Chstelow Cp., Inc.,
 125 Kansas Ave., Topeka, Kan.
 COSTOLO, CHARLES L., JR. (S'57-A'5B), Engrg. Asst.,
 The Johns Hopkins Univ., Applied Physics Lab., Silver
 Spring, Md.
- Spring, Mu..

 COSTON, HENRY E. (SM'56), Tech. Consultant, RCA, Camden 2, N.J.

 COSTRELL, LOUIS (M'4B-SM'57), Chief, Nucleonic Instrumentation Sect., Natl. Bureau of Standards, Washington, D.C.
- COTCHER, ALFRED L. (A'51-SM'55), Programs Dev. Mgr., Cubic Corp., 5575 Kearny Villa Rd., San Diego 11, Calif.
- COTE, ALFRED J., JR. (S'51-A'53-M'57), Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring,
- COTE, JOSEPH A. (A'55), King St., Bathurst, N.B.,
- COTE, LUCIEN J. A. (A'54), Tech. Operation Mgr., CFCM-TV & CKMI-TV, 200 St. Jean Bosco St., Quebec, P.Q.,
- Canada.

 COTELLESSA, ROBERT F. (A'49-SM'55), Assoc. Prof., Elec. Engro., College of Engro., New York Univ., University Hyts., New York 53, N.Y.

 COTHER, ROBERT H. (A'49), Research Engr., Wright Engro. Co., 180 E. California St., Pasadena, Calif. COTHRON, WILLIAM C. (SM'54), Sales Engr., Westinghouse Elec. Internatl. Co., 40 Wall St., New York 5, N.Y.

 COTNAM, JASPER L. (S'56-M'58), Flight Test Engr., Convair, Box 74B, Ft. Worth, Tex.
 COTSWORTH, ALBERT, Ill. (A'42-SM'55), Engr., Zenith Radio Corp., 6001 W. Dickens St., Chicago 39, Ill.

 COTTAM, ROY W. (A'56), Dir., Intersect. Control, New York
- Radio Corp., 6001 W. Dickens St., Junterscage 3-9, III.
 COTTAM, ROYW. (A. 56), Dir., Interscaet, Control, New York
 City Dept. of Traffic, 1.00 Gold St., New York 38, N. Y.
 COTTER, JAMES B. (S'55-A'57), Staff Asst., United Air
 Lines, Inc., Stapleton Field, Denver 7, Colo.
 COTTER, MITCHELL A. (M'54), Head, Audio Div., Consumers Union of U. S., 256 Washington St., Mt. Vernon,
 N.Y.
- N.Y.
 COTTER, WILLIAM F. (A'27-SM'44), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y.
 COTTERILL, MELVIN J. (S'49-A'50-M'56), Mem. Tech.
 Staff, ITT Labs., 937 Commercial St., Palo Alto, Calif.
 COTTERMAN, JACK D. (S'57-M'59), Triple B Triangle
 Ct., Box 73, R.R. 4, St. Charles, Mo.
 COTTERMAN, JAMES W. (M'58), Engr., Raytheon Mfg.
 Co., Waltham, Mass.
 COTTIN ROMAL D.S. (AUS)

- CO., Waltham, Mass.
 COTTIN, RONALD S. (M'57), Electronics Scientist, New
 York Naval Shipyard, Brooklyn 1, N.Y.
 COTTINGHAM, JAMES H. (A'53-M'5B), Project Engr.,
 Philoc Corp., 4700 Wissahickon, Philadelphia 44, Pa.
 COTTLE, DONALD W. (S'4B-A'49-M'55), Engr., GE Co.,
- COTTLE, HUGH O. (A'57), Elec. Engr., Mitre Corp., Lexington, Mass.
- Lexington, Mass.
 COTTON, ARTHUR F. R. (M'49-SM'57), Oir., European
 Operations, Capitol Radio Engrg. Institute, Inc., 3224
 16 St., N.W., Washington 10, D.C.
 COTTON, LEWIS J. (S'56-M'59), Engr., GE Co., Utica,

- COTTON, LEWIS J. (S'56-M'59), Engr., GE Co., Utica, N.Y.
 COTTON, RICHARD J. (SM'52), Electronics Engr., FCC, Field Engr., & Mon. Bureau, 10.29 Federal Bidg., Oetroit 26, Mich.
 COTTON, ROBERT V. (S'55-M'57), Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 COTTONE, CHARLES V. (A'54), Engr., Airborne Systems, RCA, Camden, N.J.
 COTTONY, HERMAN V. (M'45-SM'51), Chief, Arkenna Research Sect., Natl. Bureau of Standards, Boulder, Colo.
 COTTRELL, BUROETT P. (A'43-M'55-SM'57), Asst.
 Works Mgr., Western Electric Co., 3300 Lexington Rd., Winston Salem, N.C.
 COTTRELL, CARY I. (A'56), Regional Sales Supvr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 COTTRELL, CLAYTON J. (M'57), Engrg. Writer, Tech. Publication & Publicity, LMED, GE Co., Utica, N. Y.
 COTTRELL, ONALO E. (S'51-A'52-M'56), Research Assoc., Colorado Research Corp., Broomfield Heights, Colo.
 COTTRELL, MCKENZIE S. (A'28-VA'39-M'55), Consulting

- COTT RELL, McKENZIE S. (A'28-VA'39-M'55), Consulting Engr., 120 E. LaGrange St., Morenci, Mich. COTTS, ARTHUR C. (J'43-A'43-M'50-SM'57), Engr. Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- COTTY, WILLIAM F. (A'42), Tech. Adviser to London Committee of Diamond Producers Assn., 40, Holborn Viaduct, London E. C. 1; Scientific Adviser to The Diamond Corp., Ltd., The Diamond Trading Co., Ltd., London, England.

- COUCH, LAURENCE J. (A'54-M'56), Sales Engr., Sylvania Elec. Prods., Inc., Dayton, Ohio. COUCH, PHILLIP W. (A'4B), Electronics Scientist, Communi-cation & Navigation Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- COUCH, VIOLET Y. (S'56-M'59), Secy. to V.P., Research & Engrg., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

- & Engrg., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 COUCH, WILLIAM M., JR. (A'43-M'55), Engr., Machlett Labs., Inc., Springdale, Conn.

 COUDEN, DON V. (S'50-A'52-SM'57), Project Engr., IBM, Monterey & Cottle R6s., San Jose, Calif.

 COUGHLAN, GLENN B. (S'51-A'53-M'5B), Research Engr., Boeing Airplane Co., Seattle, Wash.

 COUGHLIN, FRANK J. (A'57), Navigating Officer, Trans-Canada Air Lines, Dorval, P. Q., Canada.

 COUGHLIN, JOHN J. (S'54-A'5B), Jr. Electronics Engr., Baird-Atomic Corp., 33 University Rd., Cambridge, Mass.

 COUGHLIN, JOHN T. (S'56-M'59), Electronics Officer, USN, Vahim-10, FPO, San Francisco, Calif.

 COUGHLIN, JOSEPH J. (S'43-A'46-M'55), Staff Engr., IBM, Poughkeepsie, N. Y.

 COULLARD, LUTHER W. (SM'55), Asst. Dir., Engrg.

 COULBOURN, DIXON W. (S'58-M'5B), 2nd Lt., U.S. Army Signal Corps, Military Occupational Specialty, Radar, Ft. Monmouth, N.J.
- Monmouth, N.J.
 COULBOURN, JOHN M. (M'57), Mgr., R.P. & U. Engrg., GE Co., Syracuse, N.Y.
 COULLARD, JOHN B. (S'42-A'43-M'4B-SM'52), Sales Mgr., The Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Fa.
- delpfid 32, Pa,
 COULOMBE, ROGER A. (SM'55), Sr. Systems Specialist,
 Assoc. Missile Prods. Div., American Machine & Foundry
 Co., 2709 N. Garey Ave., Pomona, Calif.
 COULON, NOAH, JR. (S'55-M'58), Assoc. Engr., Texas
 Instruments, Inc., Box 312, Dallas, Tex.
 COULTAS, ROBERT A. (S'56-M'56), Electronics Technician, Applied Science Corp. of Princeton, Box 44,
 Princeton, N. J.
 COULTER, DAVIO C. (S'47-A'51-M'56), Sr. Engr.,
 Melpar, Inc., 3000 Arlington Blvd., Falls Church,
 Va.

- Va. . COULTER, DONALD M. (M-56), Mem. Tech. Staff, Bell Tel. Labs, Whippany, N.J. COULTER, ERNEST L. (S'50-A'51-M'56), Sr. Engr., Electronics Div., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
- COULTER, HOWARD N. (M'55), Supvr., Administrative Operations, GE Co., 601 California Ave., Palo Alto, Calif.
- COULTER, THOMAS W. (M'57), Engr., J. B. Penny Co., Inc., 40B2 Westheimer, Houston 27, Tex. COULTER, WALLACE H. (A'51–M'55), V. P., Coulter Electronics, Inc., 5227 N. Kenmore Ave., Chicago 40,
- COUNCILL, EDWIN D. (S'54-M'56), Staff Engr., IBM, Poughkeepsie, N.Y.
 COUNCILL, JOHN W. (M'52), Engr., Commercial Engrg.
 Radio Supply Co., 711 Gramby St., Norfolk 10, Va.
 COUNCIL MAN, CLYDE L. (SM'54), Chief Engr., Electronic Communications, Inc., 1501 72 St., N., St.
 Petersburg, Fla.
- Petersburg, Fla.

 COUNDLERIS, ARTHUR (A'45-SM'53), Production Mgr., Radio Receptor Co., Bl N. 4 St., Brooklyn 11, NY.

 COUNHAN, RICHARD G. (S'50-A'52-M'56), Dev. Engr., IBM, Poughkeepsie, N.Y.

 COUNTEN, JAMES M. (S'56-M'59), Electronics Engr., Space Communications Group, Hallamore Electronics

 Co., 714 N. Brookhurst St., Anaheim, Calif.

 COUNTES, THOMAS J. (M'56-SM'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 COUNTS, DOYLE C. (S'52-A'54-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.

 COUNTS, DOYLE C. (S'52-A'54-M'59), Mem. Tech.

 Staff, Hughes Aircraft Co., Fullerton, Calif.

 COUNTS, STANLEY T. (S'54-M'56), Lt., USN, Office of Chief of Naval Operations, Navy Dept., Washington 25, D.C.

 COUPER, WILLIAM D. (S'57-M'59). Engr. F. L. de Don's COUPER, WILLIAM D. (S'57-M'59). Engr.

- COUPER, WILLIAM D. (S'57-M'59), Engr., E.I. du Pont de Nemours, 101 Beech, Wilmington 9B, Del. COURCHENE, ERNEST E., Jr. (S'51-A'53-M'57), Project Engr., Stelma, Inc., 200 Henry Sts., Stamford Conn.
- Conn.
 COURCHENE, HOMER B. (A'27-M'40-SM'43), Sta.
 Engr., WLS Transmitter, Tinley Park, III.
 COUROUNIS, SOTERIOS P. (M'58), Engr., Sperry
 Gyroscope Co., Syosset, L.I., Ny.
 COURSEY, JAMES R. (A'44-M'49), Regional Employment
 Mgr., South West U. S., Philco Corp., Tech. Rep Div.,
 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 COURSEY, PHILIP R. (A'17)(L), Dir. & Tech. Consultant
- 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 COURSEY, PHILIP R. (A'17)(L), Dir, & Tech. Consultant,
 Oubilier Condenser Co., Ltd., Ducon Works, Victoria Rd.,
 North Acton, London, W 3, England.
 COURT, PATRICK R. J. (SM'54), Dir., Research & Dev.,
 Internati. Telemeter Corp., 2000 Stoner Ave., Los
 Angeles 25, Calif.
 COURTENAY, JUSTIN A. (A'31-SM'47), Mississippi Toll
 Plant Supvr., Southern Bell Tel. & Tel. Co., Jackson,
 Miss.

- Miss.

 COURTENAY, TERRENCE H. (M'5B), Scientific Officer, Canadian Ammament Research & Development Est., Valcartier, P. Q., Canada.

 COURTILLOT, EMMANUEL P. (SM'54), Industrial Mgr., Tube Div., French Thomson Houston Co., Blvd. Haussmann, Paris B, France.

 COURTIS, REGINALD P. (A'26-VA'39), Retired, 3304 Pennsylvania, S.E., Washington 20, D.C.

 COURTNEY, JOHN E. (S'54-M'57), Elec. Engr., RCA, Camden 2, N.J.

 COURTNEY, ROBERT L. (S'55-M'57), Sr. Electronics Oesign Engr., Nat. Cash Register Co., Main & K Sts., Oayton, Ohio.

 COURTOIS. JOHN R. (A'57), Reliability Engr., IBM,

- COURTOIS, JOHN R. (A'57), Reliability Engr., IBM, Poughkeepsie, N.Y. COURTRIGHT, JOHN A. (S'58-M'59), Test Engr., Convair-Astronautics, 5001 Keamy Villa Rd., San Diego, Calif.
- COURTY , CHARLES H. (M'55), Electronics & Instrument Engr., Westinghouse Testing Reactor. Waltz Mill, Box 1075, Pittsburgh 30, Pa.

- COUSINO, RALPH E. (S'51-M'55), V.P. & Chief Electronics Engr., Cousino, Inc., 2107 Ashland Ave., Toledo 2, Ohio

- Ohio

 COUSINS, VAN M. (A'25-VA'39-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 COUTERMASH, LOUIS E. (A'55), Engr., Teleregister Corp., 445 Fairfield Ave., Norwalk, Conn.
 COUTINHO, EDDIE O. (A'57-M'5B), Lt. Cmdr., Brazilian Navy, Ministerio Da Marinha, Rio de Janeiro, Brazil
 COUTURE, CLARENCE, JR. (M'57), Engr. Specialist, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

- Ohio.

 COUTURIER, ROBERT A. (M'57), Engr., Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 COUVILLION, ALBERT J., R. (M'59), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 COUZENS, DOYGLAS T. (A'46-M'54), Engr., Microwave Systems, Directorate of Communications, Air Force Hgrs., Cartier Sq., Ottawa, Ont., Canada.

 COVE, MAURICE (S'56-M'5B), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 COVELL, DAVID F. (S'4B-A'49-M'55), Physicist U. S.

 Naval Radiological Defense Lab., San Francisco 24, Calif.

 COVELY, FRANK D., III (SM'53), Mgr., Surface Communications Projects Engrg., RCA, Defense Electronics Prods., Camden, N.J.
- tions Projects Camden, N.J.

- Camden, N.J.

 COVEN, ALLEN W. (SM'56), Electronics Scientist, U.S.
 Naval Research Lab., Washington 25, D.C.

 COVER, NORMAN W. (S'56-M'59), Quality Control Analyst,
 GE Co., HMED, Syracuse, N.Y.

 COVERT, JAMES L. (S'43-A'45-M'55), Engr., Kentucky
 Metsi Ponder On 3104 S. Preston St. Louisville, Ky.

 COVIC, WILBERT (A'48-M'55), Project Engr., U.S. Army
 Signal Research and Development Lab., Ft. Monmouth, N.J.

 COVINGTON, AMDREW W. (S'51-A'53-M'57), Electronics
 Engr., Hughes Aircraft Co., Culver City, Calif.

 COVINGTON, ARTHUR E. (M'49-SM'57), Sr. Research
 Officer, Natl. Research Council, Radio & Elec Engr., Div.,
 Ottawa, Ont., Canada

 COVINGTON, MARTHUR B., JR. (A'55-M'57), Project Engr.,
- OCTAWA, UTT., CAMADA.

 COVINGTON, MARTIN B., JR. (A'55-M'57), Project Engr.,
 Bendix Radio Corp., Towson 4, Md.

 COVINGTON, N. JAMES (S'55-M'57), Industrial Power
 Sales Engr., Duke Power Co., 430 S. Church St.,
 Charlotte 1, N.C.

- Charlotte 1, N. C.
 COVINGTON, ROSS L. (S'57-M'59), Electronics Engr.,
 Convair, Pomona, Calif.
 COWAN, BRYAN (S'54-M'56), Lt. Col., U., S. Army, Signal
 Corps Dept. of the Army, Washington 25, D. C.
 COWAN, CHARLES D. (S'47-A'49-M'55), Antenna & UHF
 Filter Engr., Collins Radio Co., Cedar Rapids, Jowa.
 COWAN, CHARLES F. (M'57), Microwave Component Engr.,
 Electronic Specialty Co., 5121 San Fernando Rd., Los
 Angeles 39, Calif.
 COWAN, COMAND, CS:54-M'55), Four, Methem
- Angeles 39, Calif.
 COWAN, DONALD J. (S'54-M'55), Engr., Nothern
 Electric Co., 250 Sidney, Belleville, Ont., Canada.
 COWAN, EOWARD J. (A'2B-VA'39-M'45), Retired,
 Province Line Rd., Princeton 11, N. J.
 COWAN, FRANK C. (S'54-A'55), Engr., GE Co.,

- COMAN, FRANK C. (S'54-A'55), Engr., GE Co.,
 Syracuse, N.Y.
 COWAN, FREDERICK P. (M'46), Head, Health Physics Div.,
 Brookhaven Natl. Lab., Upton, L. I., N. Y.
 COWAN, KENNETH D. (A'56), Tech. Assoc., Westinghouse
 Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.
 COWAN, MICHAEL A. (S'55-M'57), Research Asst.,
 California Institute of Technology, 1201 E. California St.,
 Pasadena, Calif.
 COMAN, AMECORD, B. (A'51), Pres. Cowan, Publishipa Corp.,
- Pasadena, Calif.

 COWARI, SANFORD R. (A'51), Pres., Cowan Publishing Corp.,
 Publisher of Semiconductor Prods.; Missile Manual & Guide,
 The Cowan Library of Technical Electronic Books & CU-The
 Radio amateurs' Journal, 300 W. 43 St., New York 36, N.Y.

 COWARD, RODERICK W. (S'48-A'51-M'56), Communications-Electronics Staff Officer, USAF, Air Task Force
 13 (p), Taipei, Taiwan.

 COWART, BROOKS E. (S'49-A'50-M'56), Supvr., Research
 & Dev., Tasker Instruments Corp., 3349 Cahuenga Blvd.,
 Hollywood ZB, Calif.

 COWAEN, DAVID G. (M'52), Mor., Industrial & Military

- Hollywood 2B, Calif.
 COWDEN, OAVID G. (M'52), Mgr., Industrial & Military
 Cathode Ray Tube Dept., Sylvania Elec. Prods., Inc.,
 Seneca Falls, N.Y.
 COWDEN, LOUIS F. (S'55-M'57), Design Engr., Collins
 Radio Co., 2700 W. Olive, Burbank, Calif.
 COWDREY, HARRY R. (S'57-A'57), Engrg. Aide & Tech.
 Writer, GE Microwave Research Lab., 600 California Ave.,
 Palo Alto, Calif.
- Paio Alto, Calif. (M'5B), District Engr., Westinghouse Elec. Corp., 55 W. 5 Ave., Denver 4, Colo. COWGILL, DANIEL E. (SM'57), Sr. Engr., Amer. Bosch Arma Corp., Garden City, L. I., N.Y. COWGILL, ROBERT M. (M'57), Sr. Field Engr., Raytheon Mfo. Co., Waltham 54, Mass.
- Mfg. Co., Waltmam 54, Mass. COWIE, DAVID G. (Mir54), Cmdr., USCG, Retired, Home: 835 MacDonid Rd., Norfolk 6, Va. COWLES, LAURENCE G. (A'45-M'46-5M'52), Research Geophysicist, The Superior Oil Co., Box 63, Bellaire 1,

- Tex.

 COWLES, ROBERT J. (S'41-A'45-M'55), Chief Engr., Quality Components, Inc., St. Mary's, Pa.

 COWLEY, JOHN P. (M'57), Pres., Specific Electronics Inc., 1995 N. Fair Oaks, Pasadena; Calif.

 COWLEY, PERCY E. A. (S'50-A'53-M'58), Engr., Shell Development Co., Horton St., Emeryville, Calif.

 COWLEY, REX I. (SM'5B), Leland Instruments, Ltd., 22-23 Millbank, Westminster, London S. W. 1, England.

 COWPER, GEORGE (SM'57), Head, Radiation Dosimetry, Atomic Energy of Canada, Ltd., Chalk River, Ont., Canada.

 COWPERTHWAIT, FREDERIC N., JR. (A'46), Partner, Cowperthwait & Brodhead, 570 Hillside Ave., Needham 94, Mass.

- Mass.

 COWPERTHWAIT, W.L., JR. (M'45), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 COX, ARTHUR L. (S'53-A'55-M'59), Oesign & Dev. Engr., RCA, Moorestown, N.J.

 COX, BONNAR (SM'55), Sr. Research Engr., Stanford Research Institute, Menlo Park, Calif.

 COX, BUFORD O. (A'52-M'57), Project Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, Ill.

 COX, C. RUSSELL (A'39-VA'39-SM'4B), V.P., Andrew Corp., 363 E. 75 St., Chicago 19, Ill.

 COX, CARMAN L. (A'54-M'59), Chief Engr., Genl. Telephone Companies of Missouri, Iowa & Nebraska, 1010 Main, Grinnell, Iowa.

- COX, CHARLES W. (S'49-A'52-M'56), Test Planning Engr., Western Electric Co., 3300 Lexington Rd., Winston-Salem, N.C.
- Winston-Salem, N.C.

 COX, DOUGLAS D. (S'55-M'57), Engr., Sperry Utah Engrg.
 Lab., 322 N. 21 St., W., Salt Lake City 16, Utah.

 COX, EDWIN R. (M'56), Sr. Design Engr., Convair, Box
 748, Ft. Worth, Tex.

 COX, EUGENE R. (M'57), Chief, Electronics Branch, Instrumentation Development Lab., Eglin AFB, Fla.

 COX, GEORGE C. (A'54), Elec. Engr., System Development
 Cop., 2500 Colorado Ave., Santa Monica, Calif.

 COX, GEORGE C. (S'45-A'49-M'55), Technician, Naval
 Research Est. of Defense Research Board of Canada,
 Grove St., Dartmouth, N.S., Canada.

 COX, GEORGE M. (SM'50). V.P., & Genl. Mor. Marsland

- COX, GEORGE M. (SM'50), V.P., & Geni. Mgr., Marsland Engrg., Ltd., 154 Victoria St., S., Kitchener, Ont., Canada.
- COX, GLENN L. (A'54-M'56), Project Engr., Westing-house Elec. Corp., Box 284, Elmira, N.Y. COX, HARRY G. (S'52-A'53), Broadcast Field Rep., Cana-dian GE Co., 830 Lansdowne Ave., Toronto, Ont., Cana-da.

- da.

 COX, HENRY L., JR. (A'54), Research Physicist, Westinghouse Research Labs., Pittsburgh 35, Pa.

 COX, HERBERT N. (S'54-A'55), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.

 COX, J. ROBERT G. (S'48-A'50-M'57-SM'59), Engrg. Sect. Head, Sperry Gyroscope Co. of Canada, Ltd., Box 710, Montreal, P. Q., Canada.

 COX, JAMES E. (A'53-M'59), Sr. Servo Design Engr., Dalmo Victor Co., Belmont, Calif.

 COX, JAMES L. (A'46-M'55), V.P., Engrg., Duro-Test Corp., 2321 Hudson Blvd., North Bergen, N.J.

 COX, JAY A. (A'52-M'58), Prod. Dev. Specialist, Engineered Magnetics Div., Gulton Industries, 13041

 Cerise Ave., Hawthorne, Calif.

 COX, JEROME R., JR. (S'52-A'54), Research Assoc.,
- COX, JEROME R., JR. (S'52-A'54), Research Assoc., Central Institute for the Deaf, 818 S. Kingshighway, St. Louis 10, Mo.
- Louis 10, Mo.

 COX, JOHN C. (A'53-M'58), Electronics Project Engr., Indman 5ND, Norfolk Naval Shipyard, Portsmouth, Va.

 COX, KENNETH J. (M'59), Sr. Electronics Engr., Temco Aircraft Corp., Box 6191, Dallas 22, Tex.

 CUX, LEWIS V. (A'47-M'55), Communication Engr., Melbourne & Metropolitan Board of Works, 70-80 Wells St., S. Melbourne, Victoria, Australia.

 COX, LOUIS G. (S'46-A'51-M'57), Ast. Research Officer, Radio & Elec. Engrg. Div., Natl. Research Council, Ottawa, Ork., Canada.

 COX, PARKER G. (A'51-M'56-SM'59), Sr. Engr., Staff of
- COX, PARKER G. (A'51-M'56-SM'59), Sr. Engr., Staff of Dir. of Engrg., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.
- COX, PAUL D. (M'57), Field Rep., GE Co., Syracuse, N.Y.
- N.Y.
 COX, RAYMOND J. (A'47-M'47), Group Leader, Reactor Instumentation Group, Atomic Energy Research Est., Harwell, Nr. Dicot. Berks., England. COX, ROBERT T. (S'45-SM'46), V.P., Research & Dev., Collins Radio Co., Cedar Rapids, Iowa.
 COX, ROGER L. (S'55-M'56), Design & Dev. Engr., RCA, Moorestown, N.J.

- COX, ROMALD E. (A'54), Engrg. Technician, Canadian Nati. Telegraphs, 151 Front St., W., Toronto, Ont., Canada. COX, THEODORE C. (M'55), Staff Engr., IBM, Kingston, N.Y.
- N.Y.
 COX, THOMAS M.E. (S'54-M'55), Dynamics Engr., Con-vair-Astronautics, San Diego, Callf.
 COX, WARREN C. (S'55-A'56), District Service Mgr., Mo-torola Communications & Electronics, Inc., 4900 W. Flour-noy, Chicago 44, III.
- COX, WILBUR W. (S'43-A'45-M'55), V.P. & Genl. Mgr., Arrow Mutual Liability Insurance Co., 23 Commonwealth Ave., Chestruk Hill 67, Mass.
- COX, WILLIAM F. (A'55), Sales Mgr., Chadwick-Helmuth Co., 472 E. Duarte Rd., Monrovia, Calif. COXALL, NORMAN (M'53-5M'57), Dept. Mgr., Philips Industries, 116 Van Der Hoof Ave., Leaside, Toronto, Ont., Canada.

- Ont., Canada.

 COXETER, GEORGE W. (S'54-M'56), 481 Ocean Ave., West Haven I6, Conn.

 COXHEAD, HARRY B. (M'47-SM'47), Communications Consultant, 1046 Sleepy Hollow Lane, Plainfield, N.J.

 COY, LUCIEN H., JR. (A'53), Systems Engr., Coleman Engr., Col., Inc., 3500 Torrance Blvd., Torrance, Calif. COY, R. JOHN (A'57), Mngt. Consultant, John Coy & Associates, 4525 Ridgebury Dr., Dayton 40, Ohio.

 COYKENDALL, JOHN C. (A'35-SM'47), TV Tuner Engr., GE Co., Syracuse, N. Y.

 COYLE, ROWAN J. (A'55), Programmer-Mathematician, Dent. of Defense (NSA), Washington 25, D.C.

 COYME, KEITH M. (S'57-A'57), Fleld Engr., ElectroData Div., Burnugh's Corp., 460 Sierra Madre Villa, Pasadena, Calif.

- Calif.

 COZAD, JOHN W. (S'53-A'53), District Service Rep. Motorola Communications & Electronics, Inc., 1389
 Peachtree St., N.E., Atlanta 9, Ga.
 COZART, ARON B. (S'55-M'58), Assoc. Evaluation Engr., Minneapolis-Honeywell Regulator Co., St. Petersburg, Fla.
 COZINE, LEONARD V. (A'55-), Chief Engr., CKRM, Radio, Regina, Sask., Canada.
 COZZENS, WARREN B. (A'49-SM'56), Partner, Sales Engr., Cozzens & Cudahy, Inc., 845 Chicago Ave., Evanston, Ill.
 COZTENS W. D'URR (A'34-M'477), Dir. Engr.
- COZZENS, W. D'ORR (A'34-M'47), Dir., Engrg., Intermountain Network, Inc., Chief Engr., KALL; Consulting Radio Engr., 146 S. Main St., Salt Lake
- City 1, Utah,
 CRABB, ROBERT C. (A'38-SM'53), Owner, Mobilfone,
 234 W. 37 Pl., Los Angeles 7, Calif.
 CRABILL, PERRY F., JR. (A'53), Genl. Engr., Chesapeake & Potomac Telephone Co., 930 H St., N. W., Washington 1, D. C.
- CRABILL, WARD 8. (A'56), Foreman-Service, Chesapeake & Potomac Telephone Co., 725 13 St., N.W. Washington,
- CRABTREE, THEODORE H. (A'54), Mem. Tech. Staff, 8ell Tel. Labs., Whippany, N. J. CRABTREE, WILLIE A. (M'58), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Oallas 9, Tex.

- CRADDOCK, GARLAND L. (M'57), Dept. Chief, Sage Retrofit Testing & Coordination, Defense Projects, Western Electric Co., Topsham Air Force Sta., Brunswick, Me. CRADDOCK, H. CARLTON (S'51-A'52-M'55), Elec. Engr., Scientific-Atlanta, 2162 Piedmont Rd., N.E., Atlanta 9, Ga.
- CRADDOCK, WILLIAM O. (M'57), Mgr., Commercial Tech. Publications, Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos, Calif.
- San Carlos, Calir.

 CRAFT, ARNOLD M. (S'50-A'51-M'56), Sr. Engr., Quality
 Assurance, Raytheon Mfg. Co., Bedford, Mass.

 CRAFT, BARRY G. (M'57), Engr., IBM, Kingston, N.Y.

 CRAFT, JOHN L. (S'50-A'51-M'56), Sr. Engr., IBM,

 Poughkeepsie, N.Y.
- roughkeepsie, N. Y.
 CRAFT, L. MORGAN (M'45-SM'57), V.P., Collins Radio
 Co., Cedar Rapids, Iowa.
 CRAFTS, CECIL A. (SM'55), Research Specialist, Robertshaw-Fulton Controls Co., 401 N. Manchester, Anaheim,
 Calif.
- Calif.
 CRAGER, JOHN A. (M'58), Equipment Engr., Douglas Aircraft Co., Santa Monica, Calif.
 CRAGO, PAUL H. (A'44-M'55), Chief Project Engr., Micronics Research & Dev. Engrg., Elgin Natl. Watch Co., 366 Bluff City Blvd., Elgin, III.
 CRAGO, ROBERT P. (A'50-M'54-SM'57), DIr., Engrg., Military Prods. Div., 1BM, 590 Madison Ave., New York 22, N.Y.

- military Prods. DIV., IBM., 390 Madison AVe., New York 22, N.Y.
 CRAIB, JAMES F. (S'35-A'38-SM'46), Electronics Engr., Airborne Instrument Labs., Inc., Mineola, L.I., N.Y.
 CRAIG, ALBERT F. (M'54), Pres., Tech. Information Corp. 41 Union Sq., New York 3, N.Y.
 CRAIG, ALBERT G. (A'27-VA'39-M'55), Electronics Scientist, FCC, Box 31, Laurel, Md.
 CRAIG, ALEXANDER G., Jr. (S'48-A'49-M'55), V.P., Publications, Kenneth A. Young Associates, Inc., 233 Harvard St., Brookline 46, Mass.
 CRAIG, ARTHUR D. (A'52), Radio Communications Specialist, Chrysler Corp., Box 2628, Detroit 31, Mich.
 CRAIG, DAVID R., JR. (S'44-A'47-M'55), Planning Administrator, Engrs. & Production Div., Alrborne Instrument Lab., Mineola, L.I., N.Y.
 CRAIG, DOUGLAS I. (A'51), Mgr., Communication Sales, Graybar Electric Co., Inc., King & Occidental, Seattle 4, Wash.
 CRAIG, EDWARD J. (M'54), Assoc. Prof., Elec. Engrs.,

- CRAIG , EDWARD J. (M'54), Assoc. Prof., Elec. Engrg., Union College, Schenectady 8, N.Y. CRAIG, EVERETT L. (S'51-A'52-M'56), Specialist, Tube & Transistor Application Engr., GE Co., Syracuse, N.Y.
- N.Y.

 CRAIG, F. D. (M'45-SM'56), Design Group Engr., (Specifications), Convair, Pomona, Callf.

 CRAIG, GEORGE F. (A'43-M'45-SM'55), Supvr., Reliability Engrg., Perkin-Elmer Corp., Main Ave., Norwalk, Corp.

- Conn.
 CRAIG, GEORGE H. (M'57), Radio Engr., Shell Oil Co.,
 Box 193, New Orleans, La.
 CRAIG, HARRISON I. (M'58), Electronics Engr., Burroughs
 Corp., 6071 2nd St., Detroit 32, Mich.
 CRAIG, JAMES A. (M'54), Systems Engra. Mgr., Mobile
 Communications Dept., Ailen B. DuMont Labs., Inc., 760
 Bloomfield Ave., Clifton, N.J.
 CRAIG, JOHN P. (S'54-M'56), Sales TechRep., Burroughs
 Corp., 6071 2nd Ave., Detroit 2, Mich.
 CRAIG, JOHN P. (K'58), Asst. Prof., Texas Tech. Univ.,
 Lubbock, Tex.
 CRAIG, JOHN W. (4'52-M'57), Staff Mem. Lippolal ab.

- Lubbock, Tex.
 CRAIG, JOHN W. (A '52-M'57), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.
 CRAIG, L. ORDEN (M'56), Chief Engr., Hundred Lakes Broadcasting Corp., Winter Haven, Fla.
 CRAIG, LEONARD J. (A'53-M'56), Electronics Engr., Rand Corp., 1700 Main St., Santa Monica, Calif.
 CRAIG, LEROY H. (A'2-SM'50), Radio Engr., U.S. Army Signai Research & Development Lab., Hexagon, Red Bank, N.J.
- CRAIG, LYNN W. (S'55-M'56), 1st Lt., U.S. Army, Special Instruments Lab., 312 W. Vine Ave., Knoxville, Tenn.
- Tenn.

 CRAIG, MILTON E. (M'56), Prod. Dev. Engr., RCA New Holland Pike, Lancaster, Pa.

 CRAIG, MORGAN J. (M'56), Consulting Electronics Engr., Drawer 445, Chester S.C.

 CRAIG, PALMER H. (4'25-SM'44), Consulting Engr. & Physicist, Box 4261, Miami 26, Fla.

- Physicist, Box 4261, Miami 26, Fla.
 CRAIG, PALMER M. (A'34-SM'45-F'54), V.P. Engr., Radio & TV Div., Philoc Corp., C & Tloga Sts., Philadelphia 34, Pa.
 CRAIG, PAUL M., JR. (S'48-A'50-M'55), Patent Atty., 425 13 St., N.W., Washington 4, D.C.
 CRAIG, RAYMOND C. (M'56), Plant Engr., WCAU-TV, Philadelphia, Pa.
 CRAIG, ROBERT A. (S'50-A'52-M'57-SM'57), Research Assoc., Stanford Univ., Microwave Lab., Stanford, Calif. CRAIG, ROBERT B. (S'52-M'56), Systems Engr., Sylvania Elec. Prods., Inc., Needham, Mass.
 CRAIG, THOMAS A. (S'56-M'59), 2139 W. Orangewood, Phoenix, Arlz.

- Phoenix, Arlz.

 CRAIG, WILLIAM H. (A'51-M'56), Supvr., installation & Maint. of Vehicular & Microwave Radio, United Gas Pipe Line Co., Box 1407, Shreveport 92, La.

 CRAIG, WILSON H., JR. (M'58), 551st Electronics Maint. Sudn., Oits AFB, Mass.

 CRAIGE, STUART M. (SM'48), Operations Engr., Tropical Radio Telegraph Co., 80 Federal St., Boston 10 Mass.

 CRAIGLOW, LEO H. (M'56), Supvy. Electronics Engr., USAF, Griffiss AFB, N.Y.

 CRAIGLOW, ROBERT L. (A'50-M'56), Elec. Engr., Collins Radio Co., Cedar Rapids, Jowa.

 CRAIGUE, ALAN (A'57), Asst. Project Myr., Research & Dev., Chicago Aerial industries, Inc., 1980 Hawthorne Ave., Melrose Park, III.

 CRAIN. CULLEN M. (S'42-M'49-SM'54-F'58), Croup

- Ave., Melrose Park, III.

 CRAIN, CULLEN M. (S'42-M'49-SM'54-F'58), Group
 Leader, Rand Corp., 1700 Main St., Santa Monica, Calif.

 CRAIN, HARRY M. (SM'55), Assoc. Prof., Ordnance
 Research Lab., University Park, Pa.

 CRAIN, NORMAN R. (S'55-M'56), Electronics Engr., GE
 Co., 951 Commercial St., Palo Alto, Calif.

 CRAIN, THOMAS H. (A'58), Jr.-Project Engr., American
 Machine & Foundry Co., 1025 N. Royal St., Alexandria,
 Va.

- CRAINE, LLOYD B. (S'47-A'49-M'52), Assoc. Electronics Engr., Div of Industrial Research, State College of Washington, Pullman, Wash.

 CRAINE, WILLIAM P. (S'47-A'48-M'55), Mem. Tech. Staff, 1TT Labs., 937 Commercial St., Palo Alto, Calif. CRAM, CHARLES C. (M'47), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif.

 CRAMER, BRUCE G. (S'52-A'53-M'55), Sr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 CRAMER, GEORGE T., JR. (S'55-M'58), Instrumentation Engr., Environmental Test Lab., Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind.

 CRAMER, KEITH H. (A'42), Communication Officer, City of Klamath Falls, 5 & Walnut Sts., Klamath Falls, Ore.

 CRAMER, LEONARD F. (A'44-SM'54), V. P., The Magnavox Co., 2131 Bueter Rd., Ft. Wayne 4, Ind.

 CRAMER, PAUL W., JR. (S'54-A'55), Research Engr., Caltech Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.

 CRAMER, ROBERT F. (S'57-A'58), Electronics Technician,

- dena, Calif.

 CRAMER, ROBERT F. (S'57-A'58), Electronics Technician, Goodyear Aircraft Corp., 1210 Massilon Rd., Akron, Ohio
 CRAMER, ROBERT L. (S'54-M'56), Collins Radio Co., Cedar Rapids, Jowa.

 CRAMER, RUSSELL E., JR. (M'48), V. P., Operations, Radio Condenser Co., Camden, N. J.

 CRAMER, SYDNEY (A'51-M'56), Cenl. Mgr., North Hills Electric Co., Inc., 402 Sagamore Ave., Mineola, L. I., N. Y.

 CRAMOND, WALLES (COLUME)

- CRAMOND, WALLIS R. (S'56-M'57), 1st. Lt., USAF. Weather Officer, 3rd Weather Wing, Offutt AF8, Neb. CRAMPTON, GALE W. (M/51), V.P., Commercial Prod. Sales, Land-Air, Inc., 7444 Wilson Ave., Chicago 31,
- CRAMPTON, WILLIAM M. (S'52-M'56), Research Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis, Minn.
- CRAMSIE, CERALD J. (S'58-A'58), Electronics Technician, IBM, Pouphkeepsie, N.Y.
 CRAMTON, FRANK N. (A'57), V.P., Hull Corp., Davisville Rd., Haboro, Pa.

- Rd., Hatboro, Pa.

 CRANDELL, CHARLES L. (M'57), Engr., GE Co.,
 Syracuse, N.Y.

 CRANDALL, CHARLES P., JR. (S'50-A'51-M'56), Electronics Engr., Supvr., Shipbuilding, Electric Boat Co.,
 Groton, Conn.

 CRANDALL, WALTER R. (A'46-M'50), Dir., Training,
 USN, HATUPAC, NAS, Whidbey Island, Oak Harbor, Wash.

 CRANDELL, C. F. (M'46), Sr. Engr., Southwestern Bell
 Tel. Co., 508 Telephone Bidg., Dallas 2, Tex.

 CRANDELL, E. L. (S'53-M'55), Supvr., Component Application, Collins Radio Co., 1930 Hiline, Dallas, Tex.

 CRANDELL, PAUL A. (A'52-M'57-SM'59), Staff Engr.,
 National Co., 111 Washington St., Melrose, Mass.

 CRANDELL, SOLOMON (S'55-M'57), Design Engr.

- National Co., 111 Washington St., Melrose, Mass. CRANDELL, SOLOMON (5'155-M'57), Design Engr., Servo Corp. of America, 2020 Jericho Tpke., New Hyde Park, L.I., N.Y.
 CRANDON, LAWRENCE H. (S'44-A'46-M'49-SM'56), Staff Scientist, Lockheed Missiles & Space Div., 3251 Hanover St., Palo Alto, Calif.
 CRANE, ARTHUR E. (M'57), Project Engr., Daystrom Electric Div., Manchester Rd., Poughkeepsie, N.Y.
 CRANE, HEWITT D. (S'47-A'48-M'55-SM'57), Sr. Research Engr., Stanford Research Institute, Menlo Park, Calif.
 CRANE, JAMES D. (M'57), Field Engr., Particle Park, Calif.
 CRANE, JAMES D. (M'57), Field Engr., Particle Park, Calif.
- Park, Calif.
 CRANE, JAMES D. (M'57), Field Engr., Bendix Radio Corp., Baltimore 4, Md.
 CRANE, JOHN D., JR. (S'51-A'53-M'59), Staff Mem. The Mitre Corp., 2244 Wood St., Lexington, Mass.
 CRANE, JOHN J. (M'57), Assoc. Engr., Avco Advanced Deslon & Research Div., 20 S. Union St., Lawrence, Mass.

- Design & Research Div., 20 S. Union St., Lawrence, Mass.
 CRANE, MILTON (S'50-A'52-M'57), Research Assoc., Stanford Electronics Labs., Stanford, Calif.
 CRANE, NATHAN B., JR. (S'48-A'49-M'55), Research Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.
 CRANE, PERCY H. (A'53), Mktg. Consultant, 421 W. 21 St., New York 11, N.Y.
 CRANE, ROBERT (S'48-A'50-M'52), Pres. & Chief Engr., Crane & Egent Corp., 97 Reade St., New York 13, N.Y.
 CRANE, ROBERT B. (S'46-A'51-M'56-SM'57), Engr., Bendix Systems Div., Ann Arbor, Mich.
 CRANE, ROBERT B. (A'53), Maj., USAF, Dir., Engrg., Hgrs., GEEIA, Griffiss AFB, N.Y.
 CRANE, ROBERT L. (A'50-M'55), Sales Engr., Burlingame Associates, 510 S. Fulton Ave., Mt. Vernon, N.Y.
 CRANE, ROGER R. (M'59), Touche, Niven, Bailey & Smart, 1292 Natl. 8k. 8ldg., Detroit 26, Mich.
 CRANE, WENDELL K. (A'40-SM'46), Weapon System Analyst, Boeing Airplane Co., 7755 E. Marginal Way, Seattle 14, Wash.
 CRANE, WILLIAM S. (S'56-M'59), 7305 S. Crandon Ave.,

- Seattle 14, Wash.

 CRANE, WILLIAM S. (S'56-M'59), 7305 S. Crandon Ave., Chicago 49, III.

 CRANK, JOE B. (M'58), Assoc. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 CRANMER, WILLIAM S. (SM'57), Engr., Industrial Tube Test Engrg., RCA, Harrison, N.J.

 CRANNA, N. GREIG, (M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 CRAND, CARL A. (A'58), Electronics Field Rep., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 CRANSHAW, RUBERT H. (A'56), District Sales Mar., AF Equipment, LMED, GE Co., 777 14 St., N. W., Washington, D. C.

 CRANSHAW, ROBERT J., JR. (A'54), 1st It. LISAF
- CRANSHAW, ROBERT J., JR. (A'54), 1st Lt. USAF, 1604th Field Maint. Sodn., APO 856, New York, N.Y. CRANSTON, EUGENE M. (A'55), Designer, Hughes Aircraft Co., Fullerton, Calif.
 CRANSTON, HARWOOD I., JR. (M'57), Logical Design Engr., Natl. Cash Register Co., S. Main St., Dayton 9, ONo.

- Obio.

 CRANSTON, RICHARD 8. (S'58-M'59), 2nd Lt., U.S. Amy Signal Corps., Ft. Monmouth, N.J.

 CRAPO, STANFORO T. (S'47-A'52-M'56), Acoustics Research Lab., Harvard Univ., Cambridge 38, Mass.

 CRAPOTTA, FRANK C. (S'54-M'57), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 CRAPUCHETTES, PAUL W. (M'44), Dir., Engrg., Vaccum Tube Div., Litton Industries, Inc., 960 Industrial Way, San Carlos, Calif.

- CRARY, JAMES H. (S'50-A'54-M'57), Research Asst., Radio Propagation Lab., Stanford Univ., Stanford, Calif. CRATER, THEODORE V. (S'51-A'53), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. CRAUMER, HENRY S. (A'41), Sales Engr., Corning Glass Works, Bradford, Pa.

- Works, Bradford, Pa.
 CRAVEN, EDGAR S. (S'54-M'57), Elec. Engr., Melpar,
 Inc., 3000 Arlington Blvd., Falls Church, Va.
 CRAVEN, JOHN H. (A'54), Asst. Research Officer, Natl.
 Research Council, Radio Div., Montreal Rd., Ottawa, Ont.,
 Canada. CRAVEN, ROBERT B. (M'56), Staff Engr., MIT, 6B Albany

- CRAVEN, ROSERT B. (M*56), Start Engr., MIT; 8B Albany St., Cambridge, Mass. CRAVEN, T. A. M. (F'29), Commissioner, FCC, Washington 25, D. C. CRAVEN, THOMAS E. (S'56-M'5B), Jr. Asst. Engr., Collins Radio Co., 2700 W. Olive, Burbank, Calif. CRAVEN, WILLIAM A., JR. (S'49-A'50-M'56-SM'5B), Sr. Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
- Calif.
 CRAVENS, MILLER N., JR. (S'57-M'5B), Staff Mem.,
 Sandia Corp., Sandia Base, Albuquerque, N.M.
 CRAVER, JOSEPH N. (M'45), Chief Engr., Engrg. Div.,
 Army Signal Communications Engrg. Agency, Natl. Defense
 Bldg., Washington 25, D.C.

- Bidg., Washington 25, D.C.

 CRAVER, LARRY W. (S'57-M'59), Rte. 2, Box 165, Apopka, Fla.

 CRAVIS, HOWARD (S'45-A'47-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 CRAVITT, SAM (SM'57), Project Engr., Farrand Optical Co., Inc., 4401 Bronx Blvd., New York 70, N.Y.

 CRAWFIS, EARL D., JR. (S'50-A'52-M'56-SM'57), Sr. Project Engr., Sperry Phoenix Co., 21111 N. 19 Ave., Phoenix, Ariz.
- CRAWFORD, ALAN M. (M'5B), Pres., Pacific Communications Services, Ltd., 11B1 Marine Dr., North Vancouver, B.C., Canada.

- tions Services, Ltd., 11B1 Marine Dr., North Vancouver, B.C., Canada.

 CRAWFORD, ALAN R. (S'49-A'50-M'56), Project Engr., ITT Labs., Nutley 10, N.J.

 CRAWFORD, ALBERT A. (SM'51), Owner, KCBH-FM & Pres., Chief Engr., Crawford's, Inc., & Dimensitone Co., 456 N. Rodeo Dr., Deverly Hills, Calif.

 CRAWFORD, ALEX L., JR. (A'41-M'45-SM'46), Engrg. Specialist, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 CRAWFORD, ARTHUR B. (A'29-SM'46-F'52), Radio Research Engr., Bell Tel. Labs., Red Bank, N.J.

 CRAWFORD, CARL F. (SM'59), Component Project Engr., RCA, Moorestown, N.J.

 CRAWFORD, CHARLES H. (S'55-M'56), Electronics Engr., Comptron Corp., 77B Pleasant St., Belmont, Mass.

 CRAWFORD, CHARLES S., JR. (S'51-A'55), S. Design Engr., Philoc Corp., Govt. & Industrial Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 CRAWFORD, DALE M. (S'57-A'58), Geophysical Trainee, CardwFORD, DALE M. (S'57-A'58), Geophysical Trainee, CRAWFORD, DALE B. (A'52), Electronics Engr., Systems Development Corp., 2500 Colorado St., Senta Monica, Calif.

 CRAWFORD, DAVID J. (S'43-A'45-M'55), Dev. Engr.,

- Monica, Calif.

 CRAWFORD, DAVID J. (S'43-A'45-M'55), Dev. Engr., IBM, Poughkeepsie, N.Y.

 CRAWFORD, DUNCAN C. (M'59), Engr., Texas Instruments, Inc., 3609 Buffalo Spedway, Houston 6, Tex., CRAWFORD, EARL M. (A'5B), Sales Engr., M.P. Odell Co., 750 Penn Ave., Pittsburgh 21, Pa.

 CRAWFORD, EDWARD W. (A'47-S'48-A'51-M'53), Radio Operator, USCG, CGC Chilula, Norfolk, Va.

 CRAWFORD, G. DEAN (M'56), Sr. Group Engr., N.P.-ENCO Div., ACF Industries, Inc., Riverdale, Md.

 CRAWFORD, GEORGE A. (M'59), Engr., Technician G.S.

 11, U.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.

 CRAWFORD, GEORGE N. (A'52-M'57). Supple Sections
- Ariz.
 CRAWFORD, GEORGE N. (A'52-M'57), Supvr., Environmental Group, Martin Co., Box 179, Denver, Colo.
 CRAWFORD, HERBERT C. (A'5B), Supvr., Stock & Repair,
 Tektronix, Inc., Box B31, Portland 7, Ore.
 CRAWFORD, JACK A. (S'49-A'49-M'55), Electronics
 Scientist, U. S. Naval Ordnance Test Sta., China Lake,
 Calif.

- CRAWFORD, JAMES J. (S'54-M'56), Sr. Engr., W. L. Maxson Corp., 475 10 Ave., New York 1B, N.Y. CRAWFORD, JOHN D. 0M'40-SM'43), Sr. Publications Engr., Hazeltine Corp., Little Neck 62, L.I., N.Y. CRAWFORD, JOHN K. (A'53), Staff Engr., IBM, Pough-keepsie, N.Y.
- CRAWFORD, JOHN K. (A'53), Staff Engr., IBM, Pough-keepsie, N.Y.

 CRAWFORD, R. WAYNE (S'57-M'59), 446 E. Beechwold Blvd., Columbus 14, Ohio.

 CRAWFORD, RALPH G. (S'55-M'56), Engr., Westinghouse Elec. Corp., 501 Highland Ave., East Pittsburgh, Pa.

 CRAWFORD, RICHARD D. (S'45-A'46-M'55), Administrator, Tech. Coordination, RCA, Airborne Communication Engr., Camden 2, N. J.

 CRAWFORD, ROBERT A. (M'56), Sr. Electronics Engr., Motorola, Inc., B201 E. McDowell, Phoenix, Ariz.

 CRAWFORD, ROBERT V. (A'42-SM'4B), Mem. Tech.

 Staff, Bell Tel. Labs., Murray Hill, N. J.

 CRAWFORD, VIRGIL L. (M'57), Supr., Research Quality Control, Autonetics Div., No. Amer. Aviation, Downey, Calif.

- Calif.

 CRAWFORD, WALLACE C. (A'44), Owner, Crawford Radio & Electrical, 2 Toroa St., Torbay, Auckland, New Zealand.

 CRAWFORD, WILLIAM A. (A'55), Project Engr., IBM, Poughkeepsie, N.Y.

 CRAWFORD, WILLIAM J. (SM'57), V.P., Frank C. Brown & Co., 30 Rockefeller Plaza, New York 20, N.Y.

 CRAWFORD, WILLIAM N. (S'57-M'59), Assoc. Engr., Data Analysis Group, Weapon Control, Boeing Airplane Co., Box 107, Seattle 24, Wash.

 CRAWFORTH, JAMES E. (S'56-M'57), Airborne Instrumentation Engr., U. S. Naval Ordnance Test Sta., China Lake, Calif.

 CRAWLEY, ALTON O. (M'58), 608 Meridian Lane. Falis

- Lake, Calif.
 CRAWLEY, ALTON O. (M'58), 608 Meridian Lane, Falls Church, Va.
 CRAWLEY, HUBERT J. (A'53), Mgr., Computer Project,
 Natl. Research Development Corp., 1 Tilney St., London,
 W. 1, England.
 CRAY, SEYMOUR R. (S'47-A'51-M'56), Assoc. Dir.,
 Engrg., Control Data Corp., 501 Park Ave., Minneapolis 6,
 Minn.
- CRAYCRAFT, HARRY T. (A'55), Consulting Engr., Com-munity Cable Systems, Northwest Radio Supply, Inc., 110 S.C. 8 Ave., Pertland 14, Ore

- CRAYCRAFT, KENNETH S. (S'55-A'57), Assoc. Engr Trans World Airlines, Mid-Continent Internati . Airport, Parkville, Mo.

- I rans world Airlines, Mid-Continent Internati. Airnort, Parkville, Mo. REACY, JAMES N. (A'53-M'54), Electronics Field Engr., Hughes Aircraft Co., Culver City, Calif. CREACER, BRUCE H. (S'56-M'59), Elec. Engr., USN, N.A.D. Crane, Crane, Ind.
 CREAGER, F. L. (A'31-M'51), Administrator, Machine Tools & Tooling, RCA, Camden, N.J.
 CREAMER, E. BOGAR M., JR. (A'45-M'55), Engr., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.
 CREAMER, W. J. (A'29-VA'39-SM'49), Head, Dept. of Elec. Engr., Univ. of Maine, Ornono, Me.
 CREASER, CHARLES W., JR. (M'49), V.P., Sales, D. S. Kennedy & Co., Cohasset, Mass.
 CRECEIUS, PERCY H., JR. (S'53-M'59), 37B7 E. Shields Ave., Fresno 3, Calif. (A'3B-VA'39-M'55), Dir., Corporate Engrg. Standards, IBM, Poupikeepsie, N.Y.
 CREEL, JAMES W. (S'53-A'55), Elec. Engr., U. S. Naval Air Sta., O & R. Dept., Electronics Div., North Island, San Diego, Calif.
- San Diego, Calif.

 CREEL, JOSEPH D. (M'56), Engr., Southern Bell Tel. & Tel. Co., 226 Capitol Bivd., Nashville 3, Tenn.

 CREIGHTON, ALLEN M., JR. (M'51-SM'56), Mgr., Surface Communications Systems Lab., RCA, 2720 E. Broadway, Tucson, Ariz.

- Surface Communications Systems Lab., RCA, 2720 E. Broadway, Tucson, Ariz.
 CREIGHTON, GENE W. (A'59), Electronics Engr., Ohio Oil Co., 539 S. Main St., Findlay, Ohio.
 CREIGHTON, JOHN E. (A'54), Prod. Design Engr., Lab. for Electronics, 75 Pitts St., Boston 14, Mass.
 CRENCA, JAMES J. (A'50-M'55), Research & Dev. Engr., Janskey & Bailey, Inc., 1339 Wisconsin Ave., N.W., Washington, D.C.
 CRENSHAW, ARTHUR N., JR. (M'57), Sr. Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. CRENSHAW, BEVELY M. (M'59), Dynamics Engr., Lockheed Aircraft Corp., Marietta, Ga.
 CRENSHAW, CRAIG M. (SM'57), Chief Scientist for Research & Dev. for Chief Signal Officer, Dept. of the Army, The Fentagon, Washington, D.C.
 CRENSHAW, HUBERT L. (S'56-M'58), Assoc. Engr., Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif.
 CREPEAD, PAUL J. (M'58), Engr., Sperry Gyroscope Co.,

- Calif.

 CREPEAU, PAUL J. (M'5B), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 CRESAP, WILFRED A. (SM'57), Project Engr., Rheem Mfg. Co., 9 236 E. Hall Rd., Downey, Calif.

 CRESPO, JOSEPH M. (A'57), Assoc. Engr., IBM, San Jose, Calif.

 CRESS, RAYMOND B. (S'51-A'52-M'57), Electronics Engr., Bell Aircraft Corp., Buffalo 5, N.Y.

 CRESSMAN, RUSSELL N. (S'57-M'5B), Engr., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.

 CRESSWELL, JOHN Y. (M'59), Tech. Officer, British Telecommunications Research, Ltd., Taplow Ct., Taplow, Bucks., England.
- Bucks., England.

 CRESWELL, JAMES C. (A'55-M'5B), Systems Integration Subvr., Hoffman Labs. Div., Hoffman Electronics Co., 3740 S. Grand Ave., Los Angeles 7, Calif.

 CRETELLA, SAM A. (A'52-M'57), Engl., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 CREUSERE, MELVILLE C. (S'46-A'50-M'55), Electronics Scientist, U. S. Naval Ordnance Test Sta., Code 3542, China Lake, Calif.

- CREUTZ, EDWARD C. (SM'56), Dir. of Research, Genl. Atomic Div., Genl. Dynamics Corp., Box 608, San Diego 12, Calif.
- CREUTZ, JOHN (A'35-VA'39-M'55), V.P., Page, Creutz, Steel & Waldschmitt, Inc., 710 14 St., N.W. Washington
- CREUTZ, JOHN UA:35-VA:J-m. 14 5t., N.W. Washington 5, D.C.
 CREVELING, CYRUS J. (SM'57), Electronics Engr., Naval Research Lab., Washington 25, D.C.
 CREVELING, ROBERT (A'43-M'46-SM'52), Electronics Engr., Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
- Engr., Staff Mem., Sandia Corp., Sandia Base, Albuquerue, N. M.

 CREW, BEVERLY L. (S'50-A'51-M'56), Project Engr., Remington Rand Univac, 19 & Allegheny, Philadelphia, Pa.

 CREW, MILLIAM H. (SM'46), Asst. Dir., Scientific Personnel, Los Alamos Scientific Lab., Box 1663, Los Alamos, N. M.

 CREWS, FLOYD H. (A'35-VA'39-M'55), Mem., Darby & Darby, 405 Lexington Ave., New York 17, N. Y.

 CREWS, IRVIN B. (A'51-M'56), Technician, Trans-Texas Airways, Municipal Airport, Houston, Tex.

 CRIBB, WAYNE W., JR. (S'57-M'59), Assoc. Engr., Douglas AircraftCo., Inc., Santa Monica, Calif.

 CRIBBA, ROBERT D. (S'52-A'53-M'5B), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 CRICHLOW, WILLIAM Q. (SM'55), Chief, Radio Noise Sect., Radio Propagadion, Engr., Div., Natl. Bureau of Standards, Boulder, Colo.

 CRICKMAN, CHARLES W. (S'55-M'57), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 CRICKMAN, C. JAMES (M'54), Sr. Project Engr., Hughes Aircraft Co., Culver City, Calif.

 CRIDDLE, CECIL B. (A'45-M'46), Owner-Mgr., Electronic Engr., & Supply Co., 530 S. Higbee Ave., Idaho Falls, Idaho.

- Canada.
 CRINKLAW, ROBERT H. (S'56-M'58), Radio Communications Rep., Motorola Communications & Electronics, 6555
 Sunset Blvd., Hollywood 2B, Calif.
 CRIPE, CHARLES W. (S'51-A'54-M'59), Engr., GE Co.,

- CRIPPA, EUGENE R. (M'46), Mgr., Missile System Dev., Santa Barbara Research Center, Santa Barbara Airport, Go-

- leta, Calif.

 CRIPPEN, CARL E. (SM'54), Electronics Engr., Naval Ammunition Depot, Seal Beach, Calif.

 CRIPPEN, EUGENE G. (A'45-M'55), 3B29 N.W. 23, Oklahoma City 7, Okla.

 CRISP, RAYMOND F. (SM'55), V.P. & Genl. Mgr., Space Systems Div., Daniel, Mann, Johnson & Mendenhall, 3325 Wilshire Blvd., Los Angeles 5, Calif.

 CRISPELL, HAROLD L. (S'40-A'42-M'46-SM'53), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif.
- Calif.
 CRISPIN, HOWARD L. (M'57), Chief Electronics Engr.,
 Brunswick-Balke-Callender, Marion, Va.
 CRISSEY, DAVID L. (S'53-A'54), Electronics Engr.,
 Stromberg-Carlson Co., 1400 N. Goodman St., Rochester
 9, N.Y.
 CRISSEY, KENNETH L. (S'55-M'56), Engr., GE Co.,
 Syracuse, N.Y.

- Syacuse, N.Y.

 CRISSINGER, WOODROW W. (A'46-M'55), Mgr., Industrial Div., North Electric Co., 501 S., Market St., Calion, Ohio.

 CRISSMAN, LARRY R. (M'55), Supvr., Elec. Engrg., Trans-World Airlines, 10 Richards Rd., Kansas Citt 6, Mo. CRIST, ALAN H. (M'59), Electronics Design Engr., MIT, Cambridge, Mass.

 CRIST, LAWRENCE S. (S'56-A'57), Electronics Engr., Pollock Paper Corp., 1601 Plum Ave., Middletown, Ohio.

 CRIST, PHILIP W. (S'43-SM'50), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 CRISWELL, JOHN J. (A'54-M'5B), Engr., KCBO-TV, Bryant Radio & Television, Inc., Box 1507, Lubbock, Tex.

- CRITCHLOW, ARTHUR J. (A'52-M'5B), Sr. Systems Research Engr., IBM, Monterey & Cottle Rd., San Jose, Calif.

- Calif.
 CRITES, ALLAN B. (A'55), Engr., Amphenol Electronics Corp., 1830 S. 54 Ave., Cicero 50, Ill.
 CRITES, C. RAY (M'58), 327 W. Gramercy Pl., San Antonio 12, Tex.
 CRITTENDEN, LAVOISE JR. (M'56), Sr. Aero-physic Engr., Convair, Box 74B, Ft. Worth, Tex.
 CRIVELLO, ALFRED A. (M'55), Mgr., Microwave Dept., Avion Div., ACF Industries, Inc., 11 Park Pl., Paramus, N.J.

- CROCKER, DAVID C. (A'53), Research Engr., Communications Lab., Cambridge 39, Mass.

 CROCKER, DAVID C. (S'51-M'57), Assoc. Engr., IBM, San Jose, Calif.

 CROARKIN, JOHN A. (M'56), Electronics Engr., Diamond Ordnance Fuze Lab., Washington 25, D.C.

 CROCKER, BOB G. (S'51-A'53), Electronics Engr., U.S.

 Army Ordnance, White Sands Proving Ground, N.M.

 CROCKER, C. H. (A'56), Chief Engr., GE Co., Ltd.,

 Applied Electronics Labs., Browns Lane, Allesley,

 Coventry, England.

 CROCKER, CLARK F. (S'54-M'56), Staff Engr., Communications Dept., Raytheon Mfg. Co., Waltham, Mass.

 CROCKER, DAVID C. (A'53), Research Engr., MIT Instrumentation Lab., Cambridge 39, Mass.

 CROCKER, CEORGE M., JR. (S'50-A'51-M'55), Design Engr., Westinghouse Elec. Corp., Box 1B97, Baltimore 3,

 Md.

 CROCKER, JAMFS A. (S'51-A'52-MEZ), E.

- Md.
 CROCKER, JAMFS A. (S'51-A'52-M'57), Electronics
 Engr., Oklahoma City Air Material Area, OCNBCC, Tinker
 AFB, Okla.
 CROCKER, WILLIAM F. (S'56-A'56), Electronics Dev.
 Technician, Convair-Astronautics, 5001 Kearney Villa Rd.,
 San Diego, Calif.
 CROCKETT ANDERS (ALEA MES).
- CROCKETT, ANDREW E. (A'50-M'55), Chief, Lab. Engrg. Div., USAF Security Service, Kelly AFB, San Antonio, Tex.
- Tex.
 CROCKETT, GEORGE R. (M'55), Design Engr., Arde
 Associates, 75 Austin St., Newark, N.J.
 CROCKETT, JOHN G. (M'45-5M'59), Sect. Mgr., Component Parts & Standards, Govt. & Industrial Div., Philoo
 Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- CROF-FORD, MILTON (A'54), Recording Engr., RCA Victor, 155 E. 24 St., New York, N.Y.
 CROFT, CHARLES E. (A'58), KSWS-TV Transmitter, Caprock, N. M.
- prock, N. M.
 CROFT, WILLIAM S. (S'50-A'54-M'5B), Project Engr., Lear, Inc., 110 Ionia, N.W., Grand Rapids 2, Mich.
 CROFTS, GLORGE B. (S'47-A'54-M'5B), Engrg. Research Specialist, Marquardt Aircraft Co., 2709 N. Garey Ave., Pomona, Calif.
- CROFTS, GEORGE B. (S'4/-A'54-M'58), Engrq. Research Specialist, Marquardt Aircraft Co., 2709 N. Garey Ave., Pomona, Calif.
 CROKER, KENNETH S. (S'57-M'58), Assoc. Engr., Douglas Aircraft Co., Box 329, Sacramento 2, Calif.
 CROLLY, JOHN A. (A'55-M'57), Equipment Supvr., Provincial, Mamitoba Telephone System, 166 Portage Ave., E., Winnipey, Man., Canada.
 CROLY, J. WILFORD (S'52-A'53), Elec. Engr., RCA, Moorestown, N.J.
 CROM, CAROL L. (M'58), Antenna Engr., Douglas Aircraft Co., Inc., 2000 N. Memorial St., Tulsa 15, Okla.
 CROMACK, JOHN C. (M'57), Research Asst., Electronics Research Lab., Stanford Univ., Stanford, Calif.
 CROMBER, KENNETH F. (A'56), Sales Mgr., Filing Equipment Bureau, Inc., 11 Commerce St., Newark 2, N. J.
 CROMER, EARLE G. (S'47-A'50-M'55), Sr. Project Engr., Radiation Counter Labs., 5121 W. Grove St. Skokie, Ill.
 CROMLEIGH, RALPH G. (A'58), Sr. Logical Designer, 620 N. Lake St., Pasadena, Calif.
 CROMPTON, RICHARD H. (S'51-A'53-M'56), Instr., Elec. Engr., Univ. of Connecticut, Storrs, Conn.
 CRON, ALFRED C. (S'55-M'56), System Design Engr., RCA, Burlington, Mass.
 CRONAUR, PAUL H. (S'57-M'59), Electronics Design Engr., Raytheon Mfg. Co., Wayland, Mass.
 CRONNER, CLAUDE I., JR. (M'44), Mem. Tech. Staff, Bell Tel. Labs., North Andover, Mass.
 CRONNER, CHAUDE I., JR. (M'44), Mem. Tech. Staff, Bell Tel. Labs., North Andover, Mass.
 CRONNER, CHAUDE I., JR. (M'44), Mem. Tech. Staff, Bell Tel. Labs., North Andover, Mass.
 CRONNER, CHAUDE I., JR. (M'44), Mem. Tech. Staff, Bell Tel. Labs., Rosth Andover, Mass.
 CRONNER, CHAUDE I., JR. (M'44), Mem. Tech. Staff, Bell Tel. Labs., Rosth Andover, Mass.
 CRONNER, Chaude I., JR. (M'51), Research Asst., Radio Observatory, Elec. Engrg., Dert., Ohio State Univ., Columbus 10, Ohio.
 CRONER, ALAN J. (M'53), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

- CRONER, ALAN J. (M'53), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

- CRONIN, CALVIN E. (S'51-A'52-M'56), Sr. Experimental Engr., Pratt & Whitney Aircraft, East Hartford, Conn. CRONIN, DANIEL (S'4B-A'50), Chief Engr., Bell Sound Studios, Inc., 247 W. 46 St., New York 36, N.Y. CRONIN, HENRY C. (M'55), Sales Engr., Sarkes Tarzlan, Inc., E. Hillside Dr., Bloomington, Ind. CRONIN, WALLACE J. (M'47), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif.
- CRONIN, WILLIAM M. (M'46-SM'52), Supry. Electronics Engr., Army Electronic Proving Ground, Ft. Huachuca, Ariz.
- CRONKWRIGHT, RAY E. (S'49-A'51-M'5B), Mem. Tech. Staff, ITT Labs., 3700 E. Pontiac St., Ft. Wayne 1,
- Ind.
 CRONSHEY, RAYMOND W. (A'46-M'55), Computer Engr., GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.
 CRONVICH, JAMES A. (S'36-A'39-VA'39-SM'54), Head, Oept. of Elec. Engrq., Tulane Univ., New Orleans 1B, La.
 CROOK, TROY N. (M'57), Sr. Research Geophysicist, Humble Oil & Refining Co., Houston, Tex.
 CROOKE, ARTHUR W. (S'50-A'53), Mem. Tech. Staff, RCA, Princeton, N. J.
 CROOKE, VERNON E. (S'49-A'50-M'55-SM'5B), Sr. System Engr., Natl. Cash Register Co., Electronics Div., 1401 E. El Segundo, Hawthorne, Calif.
 CROOKE, H. NEL SON (SM'57). Merr., Circuit Dev., RCA

- CROOKS, H. NELSON (SM'57), Mgr., Circuit Dev., RCA, Camden, N.J.
- Camoen, N.J.

 CROOKS, R. KENT (A'42-SM'45), Tech. Consultant,
 Engra. Physics Dept., Battelle Institute, 505 King Ave.,
 Columbus 1, Ohio.
- CROOKS, RICHARD G. (S'56-M'5B), Prod. Engr., Western Electric Co., Kenmore & Vulcan, Buffalo, N.Y. CROOKS, WILLIAM O., JR. (S'5B-M'59), United Aircraft Corp., Research Dept., 400 Silver Lane, East Hartford, Conn.
- CROPLEY, BERYL M. (S'57-A'59), Application Engr., Minneapolis-Honeywell Regulator Co., 1600 W. 13 Ave., Denver, Colo.

 CROPSEY, DALE V. (M'55), V.P., Industrial Divisions, Elgin Natl. Watch Co., 107 National St., Elgin, Ill.
 CROSBY, ALFRCO E. (S'56-M'58), Field Engr., Hughes Aircraft Co., Culver City, Calif.

- Aircraft Co., Culver City, Calif.
 CROSBY, DAVID R. (A'36-SM'46), Radio Engr., RCA, Canden, N. J.
 CROSBY, EDWARD L., JR. (M'51), Chief Electronics Engr., Advanced Dev. Labs., Bendix Prods. Div., 4600 S. Michigan, South Bend 14, Ind.
 CROSBY, GEORGE E., (S'57-M'5B), 1st Lt., U. S. Army Signal Corps, Radio Relay VHF Officer, 167th Signal Co., Ft. Gordon, Ga.
 CROSBY, HERBERT A. (S'49-AISO_MIST). Asses. But
- CROSBY, HERBERT A. (S'49-A'50-M'57), Assoc. Prof., Southern Illinois Univ., Carbondale, III. CROSBY, HOWARD M. (A'31-SM'47), Dev. Engr., GE. Co., Syracuse, N. Y.
- CROSBY, JAMES C. (M'5B), Supvy, Engr., GE C CROSBY, JAMES C. (M'5B), Supvy, Engr., Consolidated Electrodynamics Corp., 325 N. Halstead, Pasadena, Calif.
- CROSBY, JOHN (M'57), Chief Telephone Engr., Los Angeles County Dept. of Communications, 234 N. Main St., Los Angeles 12, Calif.
- CROSBY, MURRAY G. (A'25-M'3B-SM'43-F'43), Pres., Crosby Labs., Inc., 299 Robbins Lane, Syosset, L. I., N. Y.
- CROSBY, R. CORWIN (A'42-M'45), Group Leader, Prod. Design Group, Raytheon Mfg. Co., Box 87, Maynard 1,
- Mass.

 CROSBY, ROBERT E., JR. (M'53), Application Engr., CBS-Hytron, 900 Chelmsford St., Lowell, Mass.

 CROSBY, ROBERT H., JR. (S'56-M'58), Design Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati, Ohio.
- CROSBY, ROBERT L. (S'53-A'55-SM'56), Asst. to Pres., Technical Operations, Inc., South Ave., Burlington, Mass. CROSBY, ROBERT W. (S'49-A'52-M'57), Project Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y. CROSETTI, PAUL A. (S'56-M'58), Elec. Engr., GE Co., Richland, Wash.
- Richland, Wash.

 CROSFIELD, JOHN F. (A'44-M'55), Mng. Dir., J. F.
 Crosfield, Ltd., 2 Elthorne Rd., London, N. 19, England.

 CROSLEY, EDGAR W., JR. (A'55-M'58), Electronics Design
 Engr., Goodyear Fircraft Corp., 1210 Massillon Rd., Akron
 15 Chis. Engr., Go 15, Ohio

- CROSS, ALEXANDER H. (A'57), Engrg. Editor, Raytheon Mfg. Co., Wayland, Mass.
 CROSS, CLOHIE C. (M'56), Sr. Electronics Engr., USAF, Tinker AFB, Oklahoma City, Okla.
 CROSS, EDWARD F. (M'58), Mem. Tach, Staff, Hughes Aircraft Co., Box 90902, Airport Sta., Los Angeles 45, Calif.
- CROSS, GERALD E. (S'58-A'58), Test Engr., McDonnell Aircraft Corp., St. Louis 3, Mo. CROSS, HENRY H. (S'51-A'53-SM'57), Sr. Engr., Micro-wave Associates, Burlington, Mass.
- wave Associates, Burlington, Mass, CROSS, HERBERT V. (S'54-M'57), Sr. Engr., Field Operations Sect., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif. CROSS, IVOR F. (S'42-A'47-SM'52), Genl Mgr., MacIvor E
- CROSS, KENNETH B. (S'55-M'56), Elec. Engr., GE Co.,
- CROSS, KENNETH B. (S'55-M'56), Elec. Engr., GE Co., Syracuse, N.Y.
 CROSS, KENNETH R. (S'55-A'56), Experimental Engr., Allison Div., GMC, Box B94, Indianapolis 6, Ind.
 CROSS, OMMEL (A'58), Electronics Technician, Sun OII Co., Beaumont, Tex.
 CROSS, ROBERT W. (A'54), Chief Engr., S. Minnesota Broadcasting Co., KROC & KROC-TV, Rochester, Minn.
 CROSSAN, GEORGE W. (A'42-M'48), Sales, Philips Electronic Industries, Ltd., 11-19 Brentcliff Rd., Toronto 17, Ont., Canads.
 CROSSE, GILES S. (A'5B), Owner, Giles S. Crosse, Industrial Consultant, 17 Mann Ave., Fairborn, Ohio.
 CROSSEN, MANFORD W. (M'59), Supva, Service Engr., Westinghouse Elec. Corp., Box 1897, Baltimore, Md.
 CROSSLADD, ORVILLE C. (A'50), Sr. Tech Instr., Radio & TV College of Arts & Sciences, Univ. of Houston, Cullen Blvd., Houston, Tex.
 CROSSLEY, ALFRED (A'19-M'26-SM'43)(L), Pres., Crossley Associates, 2711 Howard St., Chicago 45, Ill.

- CRDSSLEY, GILBERT L. (M'3B-SM'43), Asst. Prof., Elec. Engro., Pennsylvania State Univ., State College, Pa.; Oir., ARRL, Atlantic Div. CROSSLEY, RICHARD C. (A'43-M'55), Pres., Electro Prods. Labs., Inc., 4501 N. Ravenswood Ave., Chicago 40, III.

- CROSSLEY, WALTER P. (M'5B), Sr. Engr., Raytheon Mfg. Co., Waltham 54, Mass. CROSSMAN, THOMAS F. (S'54-M'55), Elec. Engr., Hughes Aircraft Co., Culver City, Calif. CROSSON, JOHN W. (M'47), Supvy. Electronics Engr., Signal Missile Support Agency, White Sands Missile Range, N.M.
- CROSTHWAIT, JEVON L., (M'55), Electronics Engr., Clevite Transistor Prods., Waltham 54, Mass. CROSWELL, WILLIAM F. (S'5B-M'59), 139 Pochin Pl., Hampton, Va.
- Hampton, Va.

 CROTEAU, EOWARO M. (S'55-M'59), 139 Pochin PI., Hampton, Va.

 CROTEAU, EOWARO M. (S'55-M'5B), Jr. Engr., AC Spark Plug, Milwaukee 1, Wis.

 CROTHERS, MILTON H. (S'41-A'44-M'47-SM'55), Assoc. Prof., Elec. Engrg., Univ. of Illinois, Urbana, III.
- CROTINGER, ROBERT M. (M'54), Tech. Oir., Trans-Continent Broadcasting Corp., KFMB-TV, 1405 5 Ave., San Diego 7, Calif.
- Diego /, Calif.
 CROTTY, JOHN V. (SM'56), B-5B Asst. Project Engr., Convair, Box 74B, Ft. Worth, Tex.
 CROTTY, RAYMOND E., JR. (S'51-A'51-M'5B), Electronics Engr., JVM Engrg. Co., 4633 Lawndale, Lyons, III.
- CROTTY, WALTER J., JR. (M'5B), Sales Engr., Aero Engrg. Co., 7215 York Rd., Baltimore 12, Md. CROUCH, ERNEST C. (A'45), Chief Engr., Country Broadcasting Services, Ltd., Hosking House, B4½ Pitt St., Sydney, N.S.W., Australia.
- Sydney, N. S. W., Australia.

 CROUCH, MARVIN B. (S.153-A.155), Field Engr., Tektronic, Inc., 3 Finch Ave., E., Willowdale, Ont., Canada.

 CROUSE, RICHARD T. (M'59), Instrumentation Systems Engr., GE Co., 319B Chestunt St., Philadelphia, Pa.

 CROUSEL, LUC E. (M'59), Engr., MIT Instrumentation Lab., Cambridge 39, Mass.

 CROW, ELBERT O. (M'56), Systems Engr., GE Co., Syracuse, N.Y.

 CROW, ROBERT P. (M'51), Transistor Circuit Research Sect. Head, Motorola, Inc., 4501W. Augusta Blvd., Chicago 51, III.

- Chicago 51, III.

 CROW, RONALD K. (S'56-M'5B), 436 Droste Rd., St. Charles, Mo.

 CROW, WILLIAM F. (S'56-M'57), Design Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio.

 CROWDER, HERBERT A. (A'52-SM'57), System Engr., Hughes Aircraft Co., Culver City, Calif.

 CROWE, EDWIN W. (A'55), Test Engr., McDonnell Aircraft Corp., Box 516, St. Louis, Mo.

 CROWE, JAMES W. (M'57), Advisory Engr., IBM, Kingston, N.Y.

- CROWE, JAMES W. (M'5), Advisory Engr., IDM, RINGSTON, N.Y.
 CROWE, JOHN W. (A'53-M'59), Sr. Research Engr., Atomics Internati., Box 309, Canoga Park, Calif.
 CROWE, WILLIAM H. (M'57), Flight Test Electronics Engr., Lockheed Aircraft Corp., Marietta, Ga.
 CROWELL, LEROY J. (A'58), Sales Engr., Floyd Fausett Co., 777 Pinehurst Ter., S.W., Atlanta 10, Ga.
 CROWELL, MERTDN H. (S'55-M'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.
 CROWHEUST, NORMAN H. (SM'53), Audio Consultant, 216-1B 40 Ave., Bayside 61, L. I., N.Y.
 CROWLEY, ARNOLD H. (M'57), Sunt., Test Methods Dext., Raytheon Mfg. Co., Waltham 54, Mass.
 Deot., Missile Systems Lab., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
 CROWLEY, HAROLD J. (S'49-A'50-M'56-SM'59), Chief

- Dept., Missile Systems Lab., Sylvania Elec., Prods., Inc., Waltham 54, Mass.

 CROWLEY, HAROLD J. (S'49-A'50-M'56-SM'59), Chief Switching & Data Processing Sect., Rome Air Development Center, Griffiss AFB, N.Y.

 CROWLEY, HARRY R. (M'57), Wing Comdr., Communications, Air, Hars. SACLANT, Box 50, Norfolk 11, Va.

 CROWLEY, HENRY L. (M'38-SM'43), Pres., Crowley Div., Aerovox Corp., 1 Central Ave., West Orange, N.J.

 CROWLEY, JOHN F. (A'54), Commercial Engr., Westinghouse Elec. Corp., Electronic Tube Div., Bloomfield, N.J.

 CROWLEY, JOHN J. (A'55-SM'57), Exec. Asst. to Sr. V.P., Engra., Genl. Dynamics Corp., 1001 Connecticut Ave., Washington 25, D.C.

 CROWLEY, THOMAS H. (S'50-A'51-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 CROWLEY, THOMAS J. (M'58), Engr., Ford Instrument Co., 30-10 41 Ave., Long Island City 1, N.Y.

 Telemeter Magnetics, Inc., 2245 Portius Ave., Los Angeles 64, Calif.

- Telemeter Magnetics, inc., 2245 Pointius Ave., Los Angeles 64, Calif.

 CROWS, HARRY (S'47-A'50-M'55), District Mgr., S. Sterling Co., 5827 Mayfield Rd., Cleveland 24, Ohio. CROWSON, DONALO B. (S'56-M'58), Engra, Asst., British Columbia Telephone Co., 768 Seymour St., Vancouver 9, B.C., Canada.

 CROWSON, FRED B. (SM'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 CROWTHER, EUGENE E. (S'49-A'50-M'58), Base Mgr., Lockheed Aircraft Corp., Missile Systems Div., Holloman Air Development Center, N.M.

 CROWTHER, THOMAS S. (M'58), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 CROXVILLE, WILLIAM B. (M'49), Chief Dev. Engr., Amperex Electronic Co., Duffy Ave., Hicksville, L.I., N.Y.

 CROY, JAMES R. (A'41-M'48), Sr. Engr., Kear & Kennedy, 1302 18 St., N.W., Washington 6, D.C.

 CROY, JOHN E. (M'59), Electronics Engr., Natl. Cash Register Co., Dayton, Ohio.

 CROYLE, JOHN C. (M'56), Mgr., Customer Engrg., IBM, 3424 Wilshire Blvd., Los Angeles 5, Calif.

 CROYTS, HAROLD S. (S'54-M'56), Chief, Component Test Branch, Test Engr., Div. (S'45-A'52-M'57), Design Engr., Magnetic Controls Co., 6405 Cambridge, Minneapolis 26, Minn.

 CROZLER, HAROLD W. (M'55), Plant Records Engr., Magnetic Controls Co., 6405 Cambridge, Minneapolis 26, Minn.

- CROZIER, HAROLD W. (M'55), Plant Records Engr., Tennessee Valley Authority, 620 Edney Blge., Chattanouga. Tenn.

- CROZIER, ROBERT W. (A'50), TV Engr., Scripps-Howard Radio, Inc., 3001 Euclid Ave., Cleveland 15, Ohio, CRUGER, BERNARD W. (A'47), Mgr., Tech. Operations, WRGB, GE Co., Schenectady, N.Y.
- WRUG, GE.Co., Schenectady, N.Y.
 CRUICKSHANK, JOHN E. (M'46–SM'49), Chief Radar Search & Height Finding Sect., Radar Lab., Directorate of Electronics, Rome Air Oevelopment Center, Griffiss AFB, N.Y.
 CRUM, FLOYD M. (A'51–M'56–SM'58), Prof., Elec.
 Engra., Lamar State College of Technology, Beaumont, Tex.

- Tex.

 CRUMB, OANA F. (S'50-A'51-M'56), Assoc. Engr., IBM,
 Poughkeepsie, N.Y.

 CRUMB, STEPHEN F. (SM'55), Aerophysics Group Engr.,
 Convair, Box 74B, Ft. Worth, Tex.

 CRUMLY, C. BURTON (S'45-A'52-SM'56), Engrg. Specialist, Research Oett., Zenith Radio Corp., 6001 Oickens
 Ave., Chicago 39, III.
- CRUMP, ELMO E. (A'43-M'46), Secy., Kay Electric Co., Pine Brook, N.J. CRUMP, JESSE F. (A'59), 600 Albany Ave., Brooklyn 3,

- Pine Brook, N.J.
 CRUMP, JESSE F. (A'59), 600 Albany Ave., Brooklyn 3, N.Y.
 CRUSE, PHILIP M. (A'50-M'5B), Project Engr., Santa Barbara Research Center, Goleta, Calif.
 CRUSH, JOHN F. (S'51-A'53-M'5B), Supvs. Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.
 CRUTCHFIELD, RICHARD C., JR. (S'56-M'58), Assoc. Engr., Westinghouse Elec. Corp., Box 746, Baltimore, Md.
 CRUZ, JOSE B., JR. (S'56-M'57), Instr., Elec. Engrg., Univ. of Illinois, Urbana, Ill.
 CRYDEN, JOSEPH (SM'56), Physicist, Litton Industries, 336 N. Foothill Dr., Beverly Hills, Calif.
 CRYER, JAMES E. (S'56-M'5B), Engr., Gulf States
 Utilities Co., Pearl at Liberty, Beaumont, Tex.
 CRYER, JAMES M., JR. (M'57), Asst. to V.P., Melpar, Inc., 3000 Arlington Bird., Falls Church, Va.
 CRYSTAL, DeLBERT G. (A 52), Instr., Pierce Junior College, 6201 Winnetka, Woodland Hills, Calif.
 CRYSTAL, PEDERICK H. (A'51), Project Engr., Telectro Industries, 37 St., Long Island City, N.Y.
 CRYSTAL, MAURICE I. (M'56), Project Engr., Sylvania Elec. Prods. Inc., Needham 94, Mass.
 CSENSICH, JOHN E. (A'45), Transmitter Supvr., WGAR Broadcasting Co., Hotel Statler, Cleveland, Ohio.
 CSEPELY, JOHN A. (A'4B-M'55-SM'5B), Subcontract & Supplier Coordination & Reliability Engr., Westinghouse Elec. Corp., Box 1B97, Baltimore 3, Md.
 CSISZER, ALEXANDER (S'55-M'5B), 710 Kinglsey Rd., Vienna, Va.
 CUBBAGE, HENRY D. (M'57), Electronics Scientist, Code 5414, Naval Research Lab., Washington 25, D.C.
 CUBBAGE, JOHN F. (M'58), Elec. Engr., GE Co., Computer Dept., 1103 N. Central Ave., Phoenix, Ariz.
 CUBERT, JACK S. (A'53-M'5B), Engr., Remington Rand Univac, 19 & Allegheny, Philadelphia, Pa.
 CUCCARESE, EUGENE A. (4'57), Electronics Technician, GE Co., Syracuse, N.Y.
 CUCCI, MICHAEL J. (S'56-M'59), Project Engr., Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J.
 CUCCIA, JAMES W. (A'58), Electronics Technician, Southwest Research Institute, 8500 Culebra Rd., San Antonio, Tex.

- CUCCIA, JAMES W. (A'58), Electronics Technician, Southwest Research Institute, 8500 Culebra Rd., San Antonio,
- CUCCIO, ALLEN B. J. (S'55-M'56), Design Engr., GE Co.,
- CUCLIU, ALLEN B. J. (S'55-M'56), Design Engr., GE Co. Syracuse, N.Y.
 CUCKLER, VIRGIL A. (S'48-A'49-M'54), Sr. Project Engr., Motorola, Inc., Western Military Electronics Center, 8201 E. McDowell Rd., Phoenix, Ariz.
 CUDAHY, MICHAEL J. (M'56), Sales Engr. & Partner, Cozzens & Cudahy, Inc., 845 Chicago Ave., Evanston, III.
- CUDEFORD, ROBERT A. (S'50-A'50-M'5B), Distribution Designer, British Columbia Electric Railway Co., 970 Burrard St., Vancouver 12, B.C., Canada.
 CUDE, HAROLD H. (A'55), Systems Engr., Bell Tel. Labs.,
- CUDE, HAROLD H. (A'55), Systems Engr., Bell Tel, Labs., Whippany, N.J.
 CUDLITZ, STEPHEN (M'57), Reliability Mgr., Polaris
 Guidance, Instrumentation Lab., MIT, Cambridge 39, Mass.
 CUDMORE, ARTHUR F. (M'59), Standards Engr., United
 Engrs., Inc., 150 Causeway St., Boston 14, Mass.
 CUELLAR, OSCAR L. (S'58-A'59), Assoc. Consulting
 Engr., Commercial Radio Equipment Co., 1319 F St.,
 N.W., Washington, D. C.

- N.W., Washington, D. C.
 CUGLIARI, NINO (M'57), Systems Engr., Genl. Precision
 Lab., 65 Bedford Rd., Pleasantville, N.Y.
 CUIKAY, ROBERT S. (S'57-M'58), Elec. Engr., Sylvania
 Elec. Prods., Inc., Waltham 54, Mass.
 CULBERTSON, ALAN F. (A'55-SM'56), Mgr., Mobile
 Telephone, Lenkurt Electric Co., Inc., San Carlos, Calif.
 CULBERTSON, GEORGE T. (M'58), Chief Elec. Emgr.,
 Master Specialties Co., 956 E. 108 St., Los Angeles
 59, Calif.
- DY, Calif.

 CULICETTO, PETER J. (A'50-M'55), Electronics Engr., USCG, U.S. Custom House, New York 4, N.Y.

 CULL, ROBERT R. (M'50), Owner, Tenatronics, Ltd., 1011 Power Ave., Cleveland 14, Ohio.

 CULLEN, ABBEY B., JR. (A'54), Prof., Physics, Dept. of Physics & Astronomy, Univ. of Mississippi, University, Miss.
- Miss.

 CULLEN, ALEXANDER L. (M'56), Prof., Elec. Engrg., Univ. of Sheffield, St. George's Sa., Sheffield 1, England.

 CULLEN, DONALO E. (S'57-M'58), Engr., Hewlett-Packard, 275 Page Mill Rd., Palo Alto, Callf.

 CULLEN, FRANCIS P. (S'53-A'54-M'57), Engr., Sperry Gyroscope Co., Great Neck., L.I., N.Y.

 CULLEN, FRANK H. (A'54), Patent Atty., Burroughs Corp., 1737 H St., N.W., Washington 6, O.C.

 CULLEN, JOHN W. (S'55-M'57), Design Engr., IBM, Poughkeepsie, N.Y.

 CULLEN, WILLIAM F. (M'57), 109 E. 19 St., Owensboro, Ky.

- Ky.

 CULLEN, WILLIAM P. (M'58), Engr., Grumman Aircraft
 Corp., Bethpage, L.I., N.Y.

 CULLER, OONALD M. (S'50-A'51-SM'56), Dir., Astronics
 Lab., ITT Labs., 3700 E. Pontiac St., Ft. Wayne 1, Ind.

 CULLING, EVERT J. (S'46-A'48-M'55), Operations Analyst, Hq. 2nd Air Force, Barkesdale AFB, Shreveport, La.

 CULLINGTON, EDMUND H. (M'58), Electronics Scientist,
 Air Force Cambridge Research Center, Bedford, Mass.

- 139 -CUI-CUR

- CULLMAN, FRED A. (M'55-SM'55), Genl. Mgr., Production Div., Radiation, Inc., 501 Commonwealth Ave., Orlando, Fla.
- CULLUM, A. EARL, JR. (J'28-A'31-SM'45-F'48), Head of Firm, A. Earl Cullum, Jr., Consulting Engrs., Inwood P.O., Dallas 9, Tex.

- P.O., Dallas 9, Tex.
 CULLUMBER, GYLE L. (M'5B), Electronics Engr., FAA,
 4th Region, Los Angeles, Calif.
 CULLY, RUSSELL A., JR. (SM'59), Sr. Engr., Northrop
 Aircraft. Inc., Hawthome. Calif.
 CULNAN, DAVID E. (M'56), Design Specialist, Ryan Aeronautical Co., 5650 Kearny Mesa Rd., San Diego 12,
 Calif.
- CULP, JOE C. (M'57), Military Communications Prods. Engr., Collins Radio Co., Cedar Rapids, Iowa. CULSHAW, WILLIAM (SM'57), Physicist (Radio), Natl. Bureau of Standards, Boulder, Colo.
- CULVER, ALLEN R. (A'56), Flight Radio Officer, Trans World Airlines, New York Internati. Airport, New York,
- N.Y.
 CULVER, CHARLES A. (M'20-SM'42-F'54)(L), Consulting Engr., 740 W. Harrison Ave., Claremont, Calif.
 CULVER, JAMES E. (S'50-A'51-M'56), Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.
 CULVER, RICHARD S. (M'59), Staff Engr., IBM, Kingston, N.Y.
- N.Y.
 CULVER, RONALD H. (S'33-A'36-VA'39-M'55), Partner, Lohnes & Culver, 1242 Munsey Bldg., Washington 4, D.C. CULVER, WILLIAM H. (S'54-A'55), Physical Scientist, RAND Corp., 1700 Main St., Santa Monica, Calif. CULVER, WILLIAM N. (A'53), Supvy. Electronics Technician, Anny Dallistic Missile Agency, Redstone Arsenal, Ala.
- CUMBER, WARNER G. (A'57), Mgr., Advanced Process Application, American Airlines, Inc., 100 Park Ave., New York, N.Y.
- CUMERALTO, QUINTEN G. (A'51-M'52), Owner, Com-munications Engrg. Co., 28059 Groveland Ave., Rose-ville, Mich.

- munications Enging. Cd., 26009 Groberation Are., Rose-ville, Milch.

 CUMING, WILLIAM R. (M'55), Chief Engr., Emerson & Cuminn. Inc., 869 Washington St., Canton, Mass.

 CUMINGS, RICHARD G. (M'56-SM'59), Electronics Scientist, U. S. Naval Research Lab., Washington, D. C.

 CUMLEY, ROBERT L. (S'55-M'56), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 CUMMING, LAURENCE G. (SM'46), Tech Secy., Institute of Radio Engineers, I E. 79 St., New York 21, N. Y.

 CUMMING, MALCOLM J. (M'5B), Instr., Elec. Engr., Columbia Univ., New York 27, N. Y.

 CUMMING, RAYMOND C. (S'50-A'55-SM'56), Group Supvr., Stanford Electronics Labs., Stanford Univ., Stanford, Calif.
- tord, Calif.

 CUMMING, WILLIAM A. (S'47-A'4B-M'50-SM'57), Assoc.
 Research Officer, Natl. Research Council of Canada, Montreal Rd., Ottawa, Ont., Canada

 CUMMINGS, ALAN P. (A'30-VA'39-M'55), Engr., Systems Support, GE Co., Syracuse 1, N.Y.

 CUMMINGS, CARLE E. (M'47), Supt., The Texas Co.,
 Beacon, N.Y.
- Beacon, N.Y.
 CUMMINGS, CHARLES S., II (A'54), Supvr., Fundamental
 Research Sect., Remington Arms Co., Inc., Bridgeport 2,
 Conn.
- CUMMINGS, CLIFFORD I. (S'45-A'48-SM'54), Staff Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasa-dena, Calif.
- dena, Calif.

 CUMMINGS, DAVID B. (SM'59), Electronics Engr., Univ. of California Radiation Lab., Box 80B, Livermore, Calif. CUMMINGS, ELMER J. (A'44-M'53), Studio Field Engr., NBC, 1619 Wainut St., Philadelphia 3, Pa. CUMMINGS, FOREST M. (S'53-A'54-M'56), Engr., Collins Radio Co., Cedar Raplós, Jowa.

 CUMMINGS, G. MORTON (A'32-M'46-SM'53), Retired, 7200 Delta Ave., Richmond Heights 17, Mo.

 CUMMINGS, HAROLD R. (M'45), Design Engr., GE Co., Milwalker, Wis.

- MILWAUKEE, WIS. CUMMINGS, JOHN J. (A'30-SM'46), Chief Engr., Support Div., (1700), Frankford Arsenal, Tacony St., Philadelphia 37, Pa.
- 37, Pa.
 CUMMINGS, JOHN R. (M'57), Asst. Electronics Engr.,
 Cornell Aeronautical Lab., Inc., 4455 Genesee St.,
 Buffalo, N. Y.
- DUITATO, N. Y.

 CUMMINGS, JOSEPH C. (S'57-M'59), Electronics Engr., Directorate of Missile Captive Test, Edwards AFB, Calif.

 CUMMINGS, K. M. (A'43-SM'46), Staff Engr., United Air Lines, Inc., San Francisco Internati. Airport, San Francisco, Calif.
- CUMMINGS, KENOAL C. (SM'56), Sr. Engr., Motorola, Inc., Western Military Electronics Center, 3012 N. 56 St., Phoenix, Ariz.
- Phoenix, Ariz.

 CUMMINGS, KIMBALL C. (S'46-A'49-M'55), Mgr., Engrg., Dept., Davies Labs. Div., Minneapolis-Honeywell Regulator Co., Inc., 10721 Hanna St., Beltsville, Md.

 CUMMINGS, LEC C., JR. (M'57), Research Geophysicist, Humble Oil & Refinery Co., Box 2180 Houston, Tex.

 CUMMINGS, MAYNARD M. (A'41-M'49) Dev. Dir., Caribe Development Engrg., 227 S. E. 2nd Ave., Ft. Lauderdale, Fla.

- ria.
 CUMMINGS, S. J. (A'44-M'50), Application Engr., GE Co.,
 Syracuse, N.Y.
 CUMMINGS, VICTOR J. (A'55-M'56), Sales Mgr., Rogers
 Electronic Tubes & Components, 116 Vanderhoof Ave.,
 Toronto, Ont., Canada.
- CUMMINGS, WILLIAM C. (S'54-M'59), Engr., Andrew Alford, Consulting Engrs., 299 Atlantic Ave., Boston 10, Mass.
- CUMMINGS, WILLIAM M. (A'57), Shop Foreman, TV-Radio Service Dept., Woodward Stores, Ltd., Vancouver, B. C., Canada.
- Canada.
 CUMMINS, EARL L. (A'54), Research Electronics Engr.,
 Lockheed Missile System, Van Nuys, Calif.
 CUMMINS, JOHN W. (5M'53). Genl Sunwr., Fire Control
 Radar, Northrop Aircraft, Inc., Hawthorne, Calif.
- Radar, Northrop Aircraft, Inc., Hawtoney, Catt.
 CUMMINS, JULES A. (M'56), Defence Service Scientific
 Officer, Defence Research Board, C. A. R. D. E., Box 1427,
 Valcartier, P. Q., Canada.
 CUMMINS, RICHARD L. (M'56), Research Asst., Digital
 Computer Lab., Univ. of I:IInois, Urbana, III.
 CUMMINS, ROBERT L. (A'55-M'57), Sales Engr., Raytheon Mfg. Co., 589 5 Ave., New York 17, N. Y.

- CUMMINS, RONALD G. (M'54), Sales Engr., Cochrane-Barron Co., 40B S. Álvarado, Los Ángeles, Calif. CUMMINS, STEWART E. (S'56-M'5B), 2nd Lt., USAF, Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Patterson A.B., Onio. CUNHA, JOSEPH A. (S'57-A'59), Engr., Sylvania Elec. Prods., Inc., 189 B St., Needham 94, Mass. CUNHA, STANLEY H. (M'56), Retired, 2080 Lincoln Ave., Montreal, P. Q., Canada.
- CUNNINGHAM, ALEAN B. (S'56-M'58), Elec. Engr., RCA, 744 Broad St., Newark, N. J.
 CUNNINGHAM, GROWER, W. (A'56), Sr. Design Engr., Mughes Ground Systems Div., 1901 W. Malvern, Fullerton, Calif.
 CUNLIFFE, PAUL R., JR. (M'59), Sr. Design Engr., Motorola, Inc., 4501 W. Augusta Bivd., Chicago 51, Ill.
 CUNNIFF, JOHN F. (A'53-M'58), Engr., CGS Labs., Inc., 391 Ludlow St., Stamford, Conn.
 CUNNIFF, THOMAS W. (A'41-M'46), Field Engr., RCA, 744 Broad St., Newark, N. J.
 CUNNINGHAM, ALLEN B. (S'56-M'58), Elec. Engr., Research Geophysicsts, Humble Oil & Refining Co., Box 2180, Houston 1, Tex.
 CUNNINGHAM, DALE L. (M'56), Test Equipment Design Engr., Bendix Aviation Corp., 400 S. Beiger, Mishawaka, Ind.

- Ind.
 CUNNINGHAM, E. WAYNE (S'33-A'36-VA'39-M'55),
 Chief Engr., Wayoo Engro. Co., 4224 E. Washington
 Blvd., Los Angeles 23, Calif.
 CUNNINGHAM, ELMER E. (S'49-A'51-M'56), Mgr., Instrument Sales, Kintel Div., Cohu Electronics, 5725
 Keamey Villa Rd., San Diego 12, Calif.
 CUNNINGHAM, FRANCIS J. (M'59), Electron Project
 Supvr., Martin Co., Baltimore 3, Md.
 CUNNINGHAM, FREDERICK W. (A'26-M 2B-SM 43),
 Retired, 445 Morris Ave., Springfield, N. J.
 CUNNINGHAM, GEOFFREY E. (A 57), Sect. Head, Materials
 Engro. Dext., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N. Y.
 CUNNINGHAM, GERBALD W. JR. (S'53-M'55), Flec.
- CUNNINGHAM, GERALD W., JR. (S'53-M'55), Elec. Engr., Bendix Prod. Div., South Bend, Ind. CUNNINGHAM, HAROLD W. (A'48), Project Engr., Wright Aeronautical Development Center, Wright-Patterson AFB,

- Aeronautical Developinian Center, with "a action and by Ohio."

 CUNNINGHAM, JACK B. (A'52), TechRep., Philico Radio Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 CUNNINGHAM, JAMES A. (M'56), Project Leader, Natl. Bureau of Standards, Washington 25, D. C.

 CUNNINGHAM, JAMES A. (A'58), Sales Engr., Allen Bradley Co., 3416 Prospect Ave., Cleveland 15, Ohio.

 CUNNINGHAM, JOHN C. (A'57), Engr., Arma Div., American Bosch Arma Corp., Garden City, L. I., N. Y.

 CUNNINGHAM, JOHN C. (S'50-A'53-M'58), Regional Sales Mgr., C85-Hytron, 100 Endicott St., Danvers, Mass.

 CUNNINGHAM, JOHN H. (S'54-M'57), Engr., Systems Analyst, GE Co., Syracuse, N. Y.

 CUNNINGHAM, DIVER B. (SM'45), Chief Engr., Surface Communications, Defense Electronics Prods., RCA, Camden, N. J.

 CUNNINGHAM, ORVILLE J. (S'57-M'57), Test Engr. B,
- CUNNINGHAM, ORVILLE J. (\$'57-M'57), Test Engr. B, Rheem Electronic Div., 7777 Industry Ave., Rivera, Calif.
- Calif.

 CUNNINGHAM, RICHARD C. (SM'58), Div. Systems Engrg. Mgr., Bettis Atomic Power Div., Westinghouse Elec. Corp., Box 1468, Pittsburgh 30, Pa.

 CUNNINGHAM, ROBERT E. (A'56), Employment Mgr., Beckman Instruments, Inc., Fullerton, Calif.

 CUNNINGHAM, ROBERT E. (A'47-M'55), Supvr., Jupiter Training Equipment Maint., Chrysler Corp., Box 857, Huntsville, Ala.

 CINNINGHAM, ROBERT F. (SM'53), Tech. Program Dir.

- CUNNINGHAM, ROBERT F. (SM'53), Tech. Program Dir., Genl. Engr., Wright Air Development Center, Wright-Patter-son AFB, Ohio
- son APB, Unio.
 CUNNINGHAM, ROBERT W. (A'53-M'58), Research Physicist, Device Dev. Group, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 20, Tex.
 CUNNINGHAM, THEODORE R. (S'55-A'56), Supvy., Electronics Installation Technician, FAA, Federal Bldg., Jamaica 30, L. I., N. Y.
- CUNNINGHAM, THOMAS W. (S'56-M'59), Jr. Engr., Baldwin Piano Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.
 CUNNINGHAM, TIMOTHY M. (M'57), Engrg. Leader, RCA, Harrison, N. J.
- Harrison, N.J.
 CUNNINGHAM, WALTER J. (M'47), Prof., Elec. Engrg.,
 Dunham Lab., Yale Univ., New Haven, Conn.
 CUNNINGHAM, WILLIAM E. (M'57), Sr. Electronics Engr.,
 Northwest Industries, Ltd., The Airport, Edmonton, Alta.,
 Canada.
- CUNNINGHAM, WILLIAM G. (A'57-M'59), Sr. Instr., Tech. Training Dept., Military Field Service Div., Burroughs Corp., Burroughs Dr., Radnor, Pa. CUNY, JOHN J. (S'57-M'59), Engr., ITT Labs., Nutley 10, N. J.
- CUPP, ELMER W. (A'47-M'55), Chief, Inspection Office, U. S. Army Signal Corps, Decatur Signal Depot, Decatur, III.
- CUPP, JAMES C. (A'56), Chlef Engr., Condenser Research Corp., 715 S. Oesting St., Seymour, Ind. CUPP, JOHN D. (A'57), 801 Calaveras, Ontario, Calif. CURCIO, ALPHONSE T. (S'58-A'58), Communication Maint., Dept. oi farmy, 1st Army Area, Ft. Wadsworth, Staten Island, N.Y.
- Staten Island , N.Y.

 CURL , GAROLD W. (A'47) , Staff Engr. , Micro Gee Prods., Inc., 6319 W. Slauson , Culver City , Calif.

 CURL , GILBERT H. (A'42-M'55) , Head , Underwater Sound Propagation Branch , USN Electronics Lab. , San Diego 52 , Calif.
- Calli
 CURLEY, RICHARD E. (A'54), Lab. Technician, Collins
 Radio Co., Cedar Rapids, Iowa.
 CURLING, ROBERT L. (S'57-M'59), Electronics Systems
 Design Engr., Chance Vought Aftersaft Co., Dallas, Tex.
 CURP, WILLIAM C. (A'56), Engrg. Rep., Ampex Corp.,
 212 W. St. Charles Rd., Villa Park, Ill.
 CURPHEY, DAVID G. (S'56-M'58), Electronics Design
 Engr., Circuit Design, Dalmo Victor Co., 1515 Industrial
 Way, Belimun, Calli
 CURPAN DAMEL B. (CMST). Seet. Med. Clarit. Co.
- Way, Beliniont, Calli.
 CURRAN, DANIEL R. (SM'57), Sect. Head, Clevite Research
 Center, Clevite Corp., 540 E. 105 St., Cleveland, Ohio.
 CURRAN, GEORGE W. (A'25-SM'45), Supvr., Special
 Engrg. Group, Earl C. Anthony, Inc., Radio Div., KFI,
 141 N. Vermont Ave., Los Angeles 54, Calif.
- CURRAN, GORDON M., JR. (S'53-M'56), Electronics Equipment Engr., RCA Service Co., Camden, N.J.

- CURRAN, ROGER J. (S'53-M'57), 2nd Lt., USAR, Project Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala. CURREY, CHARLES H. (A'47-M'56), Chief Engr., A.C. Nielsen Co., 807 Howard St., Evanston, Ill. CURREY, WILLAIM J. (A'59), Site Technician, Burroughs Corp., Burroughs Dr., Radnor, Pa. CURRIE, ALFRED H. (S'52-A'53-M'58), Applications Engr., Lansdale Tube Co., Church Rd., Lansdale, Pa. CURRIE, CHARLES H. (A'53), Chief Electronics Engr., Scientific-Atlanta, Inc., 2162 Piedmont Rd., Atlanta, Currie, Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif. CURRIE, J. HOWARD (S'48-A'51-M'56), Plant Elec. Engr., Chrysler Corp., Missile Plant, Box 2628, Detroit 31, Mich. CURRIE, JAMES D. (A'59-M'59), Engrg. Technician,

- CURRIE, JAMES D. (A'59-M'59), Engr. Technician, USAF, Wright-Patterson AFB, Ohio.
 CURRIE, JAMES D. (A'59-M'59), Engr. Technician, USAF, Wright-Patterson AFB, Ohio.
 CURRIE, JOHN D. (M'55), Prod. Mgr., Benson-Lehner Corp., 11930 W. Olympic Blvd., Los Angeles 64, Calif.
 CURRIE, MALCOLM R. (S'52-A'55-SM'58), Sr. Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 CURRIE, ROY E. JR. (A'54), Electronics Engr., Army Ballistic Missile Agency, Hunksville, Ala.
 CURRIE, VINCENT J. (A'59), Sales Mgr., Pye Canada, Ltd., 84 Northline Rd., Toronto, Ont., Canada.
 CURRIE, WARREN D. (S'55-M'57), Systems Engr., Hughes Aircraft Co., Culver City, Calif.
 CURRIE, WILLIAM E. (M'57), Engr., Supvr., Minneapolishoneywell Regulator Co., 433 N. 34 St., Seattle 3, Wash.
 CURRIER, JOHN R., JR. (S'57-M'5B), Tech. Staff, The Mitre Corp., 2244 Wood St., Lexington 73, Mass.
 CURRIER, MILTON G. (A'42-M'45), Engr., Illinois Bell Tel. Co., 208 W. Washinykon St., Clicago 6, Ill.
 CURRIER, PAUL J. (A'53), Advertising Production Mgr., Tung-Sol Electric, Inc., 95 8 Ave., Newark 4, N.J.
 CURRY, CARLP, R. (A'52), Asst. Lab. Mgr., McCullough

- III.

 CURRY, CARL P. (A'52), Asst. Lab. Mgr., McCullough
 Tool Co., Box 2575, Houston, Tex.

 CURRY, CHARLES R. (S'52-A'53-M'57), Electronics Engr.,
 Univ. of Culfornia Radiatinn Lah., Livermore, Calif.

 CURRY, DUNALD D. (S'56-M'59), Electronics Engr., U. S.
 Army Signal Research & Development Lab., Ft. Monmouth,
 N. J.
- CURRY, GEORGE R. (S'52-M'55), Staff Engr., MIT, Lincoln Lab., Lexington 73, Mass.
- CURRY, GEORGE R. (S'52-M'55), Staff Engr., MIT, Lincoln Lab., Lexington 73, Mass. CURRY, GERALD T. (SM'50), Sect. Head, Sylvania Elec. Prods., Inc., Emporium, Pa. CURRY, HERBERT D. (A'47-M'51), Communications Engr., Hurs. Strategic Air Command, Offutt AFB, Omaha, Neb. CURRY, JAMES R. (4'44-M'55), Chmn., Chemistry Dept., Williams College, Williamstown, Mass. CURRY, JOHN W. (S'50-A'53-M'5B), Prod. Engr., Sylvania Elec. Prods., Inc., Winchester, Ky. CURRY, ROBERT C. (M'59), Elec. Engr., Stromberg-Carlson Co., 1465 N. Goodman St., Rochester, N.Y. CURRY, THOMAS F. (A'50-M'53), Project Dir., Syracuse Univ. Research Corp., Box 26, Syracuse 10, N.Y. CURRY, WELDON L. (A'52-M'5B), Field Engr., United Geophysical Corp., 2920 Weslayan, Houston, Tex. CURRY, WILLIAM F. (A'42), Chief Engr., Independent Broadcasting Co., Chamber of Commerce Bidg., Spring-field 4, Mo. CURRY, WINFIELD S., JR. (S'56-M'57), Mem. Tech. Staff Humber Almer Co.

- Broacasking Co., Chamber of Commerce Bidg., Spring-field 4, Mo.

 CURRY, WINFIELD S., JR. (S'56-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.

 CURTICE, WALTER R. (M'58), 353 Alexander St., Rochesker 7, N.Y.

 CURTIN, WILLIAM A. (M'56), Electronics Engr., RCA, Moorestown, N.J.

 CURTIS, ALLEN F. (S'54-M'58), Design Engr., F.L.

 Moseley Co., 409 N. Fair Oaks, Pasadena, Calif.

 CURTIS, CHARLES T. (S'41-A'42-M'46), Supvy. Electronics Scientist, Naval Air Development Center, AEEL, Johnsville, Pa.

 CURTIS, CHARLES V. (A'37-M'47), Asst. Dir., ARINC Research Corp., 1700 K St., N. W., Washington 6, D. C.

 CURTIS, CHARLES W. (S'49-A'50-M'55), Mor., Microwave Engr., Dept., Hughes Aircraft Co., Culver City,

 Calif.
- CURTIS, DONALO D. (A'53), Research & Oev. Engr., Klann Organ Supply Co., Inc., Charlotte Ave., Waynesboro, Va. CURTIS, EMORY C. (S'48-A'50-M'58), Research Specialist, Lockheed Missile Systems Div., Sunnyvale, Calif.
- CURTIS, ETHEL I. (M'55), Sr. Research Scientist, Aeronutronics Systems, Inc., 1234 Air Way, Glendale, Calif.
- Calli.
 CURTIS, GEORGE D. (A'53-M'56), Lead Systems Design Engr., Chance Vought Aircraft, Box 5907, Dallas, Tex.
 CURTIS, GERALDINE L. (A'45-M'55), News Correspondent, Electronic News, 6005 El Morte, Mission, Kan.
 CURTIS, HENRY A. (A'47-M'55), Sect. Chief, Electronic Dev. Sect., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena
- 3. Calif.
- CURTIS, HOMER T. (M'56), Elec. Engr., Harvey Aluminum, The Dallas, Ore.
- The Dallas, Ore.

 CURTIS, HUNTINGTON W. (M'45), Asst. Prof., Elec.

 Engrs., Engrs. School, Dartmouth College, Hanover, N.H.

 CURTIS, JAMES F. (A'58), Prof. & Dept. Head, Speech

 Pathology & Audiology; DIr., Speech Labs., State Univ. of

 lowa, lowa City, lowa.
- Owa, Jowa City, Jowa.
 CURTIS, JAMES P. (S'49-A'50-M'58), Instrumentation
 Engr., Lockheed Aircraft Corp., Burbank, Calif.
 CURTIS, JOHN S. (M'57), Research Asst., Hughes Aircraft Co., Culver City, Calif.
 CURTIS, LEOL. (A'58), Chief Engr., Design-Development,
 Inc., 2975 Far Hills Ave., Dayton 19, Ohio.

- INC., 29/25 Far Hills AVE., UBYCON 19, JUNO. CURTIS, LESLIE F. (4718-M'29-SM'43)(L), Retired, R.R. 1, Haydenville, Mass. CURTIS, LORIN W. (M'57), Mgr., Engrg., Lamp Div., Tung-Sol Electric, Inc., 370 Orange St., Newark 7, N.J. CURTIS, LUCIEN B. (A'48-M'55), Engr., RCA, Harrison.
- N.J.
 CURTIS, MARVIN W. (M'57), Electronics Engr., (Project Engr.), U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 CURTIS, RALPH W. (A'50-M'55), Sound Dev. Engr., Natl. Film Board of Canada, Cote de Liesse Rd., St. Laurent,
- P. Q., Canada.

- CURTIS, REID H. (S'53-A'54-M'59), Project Engr., Motorola, Inc., 4501 W. Augusta Blyd., Chicago 51, III. CURTIS, RICHARD T. (A'56), Tech. Engr., IBM, Pough-keepsie, N V
- curtis, ROBERT B. (S'45-A'48-M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.
- N.Y.
 CURTIS, ROGER C. (M'44-SM'48), Chief Electronics
 Engr., Dictaphone Corp., Bridgeport 5, Conn.
 CURTIS, ROGER W. (SM'48), Tech. Advisor, Military
 Assistance Advisory Group of the Federal Republic of
 Germany, Box 810, APO 80, New York, N.Y.

Germany, Box 810, APO 80, New York, N.Y.

CURTIS, ROLAND E. (S'49-A'50-M'56), Special Projects

Officer, Signal Office Hqrs., USARPAC, APO 958, San

Francisco, Calif.

CURTIS, ROSS H. (M'58), Mgr., Mktg. Dect., Tech. Prods.

Div., RCA Victor Co., Ltd., 42 Ave. & 6 St., S.E.,

Calgary, Alta., Canada.

CURTIS, SIDNEY R. (SM'51), Sr. V.P., Stromberg-Carlson

Co., 100 Carlson Rd., Rochester 10, N.Y.

CURTIS, THOMAS J. (M'59), Application Engr., Varlan

Associates, Palo Alto, Calif.

CURTIS, TRUMAN P. (M'45-SM'50), Mgr., Cross Field

Engro., Power Tube Dept., GE Co., Schenectady, N.Y.

CURTIS, VERLIN F. (A'59), Field Engr., Natl. Scientific

Labs., Inc., 2010 Massachusetts Ave., N.W., Washington

6, D.C.

CURTIS, WALTER L. (S'51-M'55), Research Fnor. "B"

CURTIS, WALTER L. (S'51-M'55), Research Engr. "B", Boeing Airplane Co., Seattle, Wash. CURTIS, WILLIAM C. (A'56), Systems Engr., Leader, RCA,

Moorestown, N.J.
CURTISS, ARTHUR N. (A'36-SM'44), Mgr., Missile &
Surface Radar Dept., RCA, 11819 W. Olympic 8lvd.,
Los Angeles 64, Calif.

Los Angeles 64, Calif.
CURTISS, GEORGE R. (M'56), Mgr., intra-Co. Sales, GE Co., Syracuse, N.Y.
CURTISS, ROBERT H. (A'55), Applications Engr., Royal Precision Corp., Westchester Ave., Port Chester, N. Y.
CUSACK, JOSEPH A. (S'52-A'53-M'57), Sr. Dev. Engr., Motorola, Inc., 3012 N. 56 St., Phoenix, Ariz.
CUSHING, CHARLES J. (M'56), Electronics Engr., Philico Corp., 4700 Wissahickon Ave., Philiadelphia 44, Pa.
CUSHING, RAMMOND F. (MISS). Electronics Scientisk

Corp., 4700 Wissahickon Ave., Philiadelphia 44, Pa.
CUSHING, RAYMONO E. (Mr. 1955), Electronics Scientist,
Naval Research Lab., Washington 25, D.C.
CUSHING, T. FRANK (A:31-VA:39), Pres., T. F. Cushing,
Inc., Electronic Distributor, 349 Worthington St., Springfield 3, Mass.

Reid 3, Mass.

CUSHING, THURB D. (S'40-A'42-M'51), Engrg. Mgr.,
Lenkurt Electric Co. of Canada, Ltd., 701B Lougheed
Hwy., Burnaby, B.C., Canada.

CUSHING, WILLIAM J. (A'54), District Mgr., Defense Contracts, Central District, Burroughs Corp., 333 W. ist St.,
Dayton 2, Ohio.

Dayton 2, Ohio.

CUSHMAN, EDWARD A. (A'56), Regional Mgr., Clevite
Transistor Prods., 6261 W. Grand Ave., Chicago 39, III.

CUSHMAH, GLENN F. (S'56-M'53), Elec. Engr., MIT
Instrumentation Lab., Cambridge 39, Mass.

CUSHMAN, NORTON (M'56-SM'59), Supyy. Engr., Sprague
Electric Co., 235 Marshall St., North Adams, Mass.

CUSHMAN, ROBERT W. (A'43), Elec. Research Engr., The
Foxboro Co., Neponset St., Foxboro, Mass.

CUSHMAN, ROBERT W. (M'45), Electronics Engr., Aeronautical Electronics & Elec. Lab., U.S. Naval Air Development Center, Johnsville, Pa.

CUSICK DWANNEH M. AMSEN Erg. Registropet Co.

ment Center, Johnsville, Pa.
CUSICK, DWAYNE H. (M'58), Engr., Bendix Prods. Co.,
400 S. Beiger, Mishawaka, Ind.
CUSTER, CARL W. (M'58), Contract Rep., RCA, Moorestown, N.J.
CUSTER, CHARLES J. (A'36-VA'39-M'55), Mem. Tech.
Staff, Bell Tel. Labs., 1600 Osgood St., North Andover,
Mass.

Mass.
CUSTER, HUBERT M. (M'55), Instr., Physics, Elizabeth-town College, Elizabethtown, Pa.
CUSTIN, THOMAS G. (M'46), Engr., GE Co., Syracuse,

N.Y.

CUTHBERT, PETER (A'57), Service Mgr., Great West
Electric & Radio, Ltd., 89 Princess St., Winnipeg,
Man., Canada.

CUTHBERTSON, RICHARD O. (S'57-M'58), Electronics
Engr., Oept. of Navy, Bureau of Ships, Main Navy, 18
& Constitution, Washington, D. C.

CUTHILL, WILLIAM R. (M'56), Standards Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y. CUTLER, C. CHAPIN (A'40-SM'53-F'55), Asst. Dir., Electronics & Radio Research, Bell Tel. Labs., Murray Hill, N.J.

Electronics & Radio Research, Bell Tel. Labs., Murray Hill, N.J.

CUTLER, CARL I. (S'49-A'50-M'56), Sr. Electronics Engr., Sylvania Electronic Systems, Waltham 54, Mass.

CUTLER, ELLIOTT C., Jr. (S'54-A'55), Lt. Col., Prof., Elec. Engrg., U. S. Millitary Academy, West Point, N.Y.

CUTLER, LEON H. (A'56-M'57), Engr., GE Co., 1285
Boston Ave., Bridgeport, Conn.

CUTLER, LEONARD S. (M'55), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

CUTLER, MELVIN (SM'58), Staff Mem., Genl. Atomic Div., San Diego 12, Calif.

CUTLER, MYRON A. (A'53), Design Engr., Sessions Clock Co., Forestville, Conn.

CUTLER, STANLEY (S'41-A'43-M'55), V.P. & Dir., Engrg., Pacific Mercury Electronics, 8345 Hayvenhurst, Sepulveda, Calif.

CUTLER, WILLIAM D. (S'56-M'57), Electronics Engr., Canoga Div., Underwood Corp., 15330 Oxnard St., Van Nuys, Calif.

Nuys, Callf.
CUTLIP, S. BLAIR (M'55), V. P., Sales Mgr., John E.
Fast & Co., 3580 Elston Ave., Chicago 18, III.
CUTRONA, LOUIS J. (M'46-SM'47), Prof., Elec. Engrg.,
Univ. of Michigan, Ann Arbor, Mich.
CUTTER, ROOSEVELT H. (A'54), Tech. Editor, TriGraphics, Inc., 493 Franklin St., Buffalo 2, N.Y.
CUTTERIDE, O. P. D. (M'55-SM'59), Lecturer, Manchester College of Science & Technology, Manchester 1,
Enoland.

CUTTING, ELLIOTT (A'54), Sr. Research Engr., Jet Propulsion Lab. California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.

CUTTING, FULTON (M'15-F'21XL), Prof., Physics & Asst. to the Pres., Stevens Institute of Technology, Hoboken, N. J.

CUTTING, WARD A. (A'38-M'44), Retired, 3406 N.E. Portland Blvd., Portland 11, Ore.

CYNAMON, JOSEPH J. (S'52-A'54), Project Engr., Bendix Aviation Corp., Teterboro, N.J.

CYPHERD, VICTOR M. (A'57), Test Equipment Developer, GE Co., Box 11508, St. Petersburg, Fla.

CYPHERS, ROBERTF. (S'57-M'58), Fleld Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

CYPSER, RUDOLPH J. (M'54), Mgr., Dev. Engrg. Div., IBM, Kingston, N.Y.

CYR. JEAN PAHI A. (S'55-M'56), Systems Engr., Vitro.

IBM, Kingston, N.Y.
CYR, JEAN PAUL A. (S'55-M'56), Systems Engr., Vitro
Corp. of America., 14000 Georgia Ave., Silver Spring, Md.
CYR, KENNETH C. H. (S'55-M'57), 3851 College Ave.,
San Diego 15, Calif.
CYR, ROLAND P. (M'56), Sr. Design Engr., Convair, Ft.
Worth, Tex

worn, 1ex.

CZARAPATA, ALAN H. (S'56-M'59), Instr., Purdue Univ.,
West Lafavette, Ind.
CZECHOWSKI, EDWARD W. (M'57), Supvr., Training,
Sylvania Elec. Prods., Inc., Needham 94, Mass.
CZEIKOWITZ, RICHARD F. (M'57), Gent. Radio Supvr.,
The Western Pacific Rallroad Co., 526 Mission St., San
Francisco, Calif.

CZERNIAK, JOSEPH L. (A'58), 704 Amity Ave., Muskegon, Mich

CZEROPSKI, WALTER P., JR. (S'45-A'4B-M'55), Program Mgr., Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, III.

CZERWINSKI, STANLEY D. (S'55-M'58), Mem. Tech. Staff, Hughes Alicraft Co., Culver City, Calif. CZERWINSKI, WATSON P. (M'52), Electronics Engr., Antennas, U. S. Army Signal Engrg. Lab., Ft. Monmouth, N.J.

CZERWONKA, HENRY V. (S'56-A'57), Field Engr., ElectroData Corp., 470 Atlantic Ave., Boston 10, Mass. CZORA, WILFRED G. (A'54), Engrg. Sect. Head, Strom-berg-Carlson Co., 1400 N. Goodman St., Rochester 9,

CZUKRASZ, ZOLTAN P. (A'57), Dev. Engr., CBS-Hytron, 900 Chelmsford St., Lowell, Mass.

DABROWSKI, HENRY L. (A'40), Chief Engr., WNTA-TV-AM-FM, NTA Television Broadcasting Corp., 1020 Broad St., Newark, N.J.

St., Newark, N.J.

DABROWSKI, STANLEY A. (S'54-M'57), Engr., Sylvania Elec. Pros., Inc., Waltham 54, Mass.

DABUL, AMADEO (S'54-M'56), Engr., Computer Components, GE Co., Schenectady 5, N.Y.

DACLEY, GEORGE C. (SM'54), Asst. Dir., Electronics Research, Bell Tel. Labs., Murray Hill, N. J.

DACEY, MICHAEL J. (A 56), Technician, Defense Research Board, Degt. of Natl. Defense, DRTE (EL), Montreal Rd., Ottawa, Ont., Canada

Ottawa, Ont., Canada,

DACHTLER, FREDRICK E. (A'57), Sr. Electronics Research Technician, Ramo-Wooldridge Corp., Box 8405, Denver 10, Colo.

DACKEN, LEONARD L. (A'39-VA'39-M'55), Engr., WXYZ, Inc., Mutual Bidg., Detrolt 26, Mich.

DA CRUZ, ANTONIO M. (M'56), Electronics Engr., Naval Underwater Ordnance Sta., Newport, R.I.

DA CUNHA, ALEXANDRE M. C. (M'54), Chief Engr., Companhia Portuguesa Radio Marconi, Rua S. Juliao 131, Lisbon, Portugal.

DADANT, PHILIP M. (S'47-A'50-M'55), Research Engr.

DADANT, PHILIP M (S'47-A'50-M'55), Research Engr., The Rand Corp., 1700 Main St., Santa Monica, Calif. DADDARIO, ALBERT S. (M'56), Chief Electronics Engr., Aladdin Electronics, 703-5 Murfreesboro Rd., Nashville 2, Tenn.

Aladdin Electronics, 703-5 Murfreesboro Rd., Nashville 2, 7enn.

DADY, WILLIAM E. (M'55), Sales Engr., The Branum Co., 3731 Idaho, Houston 21, Tex.

DAELEMANS, GEORGE L., JR. (S'56-M'57), Engr., Alrborne Instrument Lab., Inc., Mineola, L.I., N.Y.

DAGAUARIAN, HARRY O. (S'43-A'45-M'50-SM'54), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

DAGGETT, CHESTER C. (M'59), Lab. Supvr., Martin Co., Box 179, Denver 1, Colo.

DAGGETT, CHESTER C. (M'59), Lab. Supvr., Martin Co., Box 179, Denver 1, Tolo.

DAGGETT, CHESTER C. (M'59), Sr. Aerophysics Engr., Convair, Grants Lane, Ft. Worth 1, Tex.

DAGGETT, DAN H. (M'57), Sr. Aerophysics Engr., Air Reduction Labs., Murray Hill, N.J.

DAGGETT, NDRMAN L. (S'46-A'48-M'55), Electronics Engr., Mil Lincoln Lab., Lexington 73, Mass.

d'AGOSTINI, DONATO (M'58), Project Mgr., Blonder-Tongue Labs., Inc., 9 Alling St., Newark 2, N.J.

D'AGOSTINO, JACK V. (S'51-A'52-M'56), Sr. Engr., Microwave Electronic Dept., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

D'AGOSTINO, VINCENT F. (A'34-M'55), Engr., Special Prods., Western Electric Co., 220 Church St., New York 13, N.Y.

DAGROSA, VINCENT (A'53), Electronics Technician F. I

DA GROSA, VINCENT (A'53), Electronics Technician, E.I. du Pont de Nemours & Co., Inc., 101 Beech St., Wilmington, Dei.

ton, Dei.

DAGUE, GEORGE I. (A'52), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

DAGUE, LEONARD P. (S'55-M'58), Communications Officer, Landing Ship, Sqdn. 5, USN., FPO, San Francisco, Calif.

DAHINDEN, DUANE T. (M'59), Supvr., Power Tube Factory Engrs., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

DAHI ADDIAN W. GRACO. T.

Alto, Calif.

DAHL, ADRIAN H. (M'49), Principal Scientist, Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.

OAHL, EDWARD E. (S'55-M'56), Electronics Engr., Hughes Aircraft Co., Box 45515, Los Angeles, Calif.

DAHL, FREDERICK J., J.R. (S'53-A'54), Dev. Engr., GE Co., Syracuse, N.Y.

OAHL, HELMER H. (SM'56), Dir., Research, Chmn., Michelsen Institute, Nygardsgt. 114, Bergen, Norway.

DAHL, JAMES O. (S'51-A'53-M'58), Oesign Engr., Instrumentation, Lockheed Aircraft Corp., Sunnyvale, Calif.

DAHL, WARREN E. (S'50-A'52-M'57), Sr. Electronics Engr., Notorola Research, 3012 N. Ingleside Dr., Phoenix, Ariz.

DAHLBERG, ARTHUR W. (S'52-A'54), Electronics Engr., Bendix Aviation Corp., 11600 Sherman Way, Van Nuys, Calif.

DAHLBERG, ROBERT S., JR. (SM'51), Sr. Research Specialist, Philoc Corp., 4700 Wissahickon Ave., Phila-delphia 44, Pa.

DAHLBOM, CARL A., (M'45-SM'54), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.
DAHLE, OWEN K. (A'59), Tech. Writer, Lehigh Engrg. Associates, 295 Plane St., Newark, N.J.
DAHLEM, RICHARD K. (S'57-A'58), 454 Norfolk St., Holliston, Mass.
DAHLIN, RELIS K. (A'45-M'45), Engr.-In-Chg., CBS-TV, 630 N. McClurg Ct., Chicago 11, Ill.
DAHLIN, ERIK B. (M'58), Sr. Project Engr., Minneapolls-Honeywell Regulator Co., Wayne & Windrim Aves., Philadelphia 44, Pa.
DAHLIN, ROBERT K. (A'50), Electronics Engr., No. Amer. Aviation, Downey, Callif.
DAHLKE, HUGO E. (A'57), Chief, Usonic Instruments Div., Guiton Industries, 212 Durham Ave., Metuchen, N.J.
DAHLMAN, VIRGIL R. (S'57-A'58), Project Engr., Cotar Missile Tracking System, RCA, Patrick AFB, Fla.
DAHLSTROM, DARRELL D. (S'56-M'58), Communications Engr., Shell Oil Co., Shell Bidg., Houston 1, Tex.
DAHLSTROM, PANROLL D. (S'56-M'58), Communications Engr., Shell Oil Co., Shell Bidg., Houston 1, Tex.
DAIBER, EUGENE M. (A'53), Sr. Engr., Wickes Engra., & Construction Co., 12 St. & Ferry Ave., Camden 4, N.J.
DAIGLE, EMILE J., JR. (S'55-M'56), Electronics Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
DAILEY, ROBERT F. (A'54), Research Engr., The Yoder Co., 5500 Walworth, Cleveland, Ohlo.
DAILING, CURTIS J. (M'57), Electronics Engr., Martin Co., Baltimore 3, Md.
DAILING, JAMES L. (A'54-M'59), Dev. Engr., Motorola, Inc., 1400 N. Cicer Oave., Chicago 51, Ill.
DAILOR, FRANCIS E. (M'56), Tech. Suovr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester, N.Y.
DAILY, ARTHUR M. (M'56), V.P., Research & Dev., Chicago Telephone Supply Corp., 1142 W. Beardsley, Elkhart, Ind.
DAILLY, GRUCE A. (M'57), Asst. Prof., Elec. Engrg., Hughes Aircraft Co., Culver City, Calif.
DAINS, HAROLD D. (S'53-M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif.
DAINS, HAROLD D. (S'65-M'58), Dontario St., Cleveland 13, Ohio.
DALSHA, THOMAS G. (S'47-A'45-M'55), Sr. Engr., Raytheon Mig. Co., Wayland, Mass.

Ohio
D'ALBORA, JOHN B., JR. (SM'48), Mem., Tech. Staff, Bell
Tel. Labs., Cape Cánaveral Lab., Box 609, Cocoa, Fla.
DALBY, THOMAS G. (S'47-A'52-M'57), Research Engr.,
Boeing Airplane Co., Seattle, Wash.
DAL COROBBO, BRUNO V. (S'56-M'57), 5741 Cleveland
St., Morton Grove, III.
DALE, ALAN W. (SM'58), Sect. Head, Airhorne Navigation
Equipment, Stromberg-Carlson Co., 1400 N. Goodman St.,
Rochester 3, N.Y.

Rochester 3, N.Y.

DALE, CHARLES H., JR. (S'57-M'59), Engr., Sperry Microwave Electronics, Co., Box 1828, Clearwater, Fla. DALE, EDWARD E. (M'56), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.

DALE, GEORGE V. (A'30-VA'39-M'55), Mem. Tech. Staff, Bell Tel., Labs., Whippany, N. J.

DALE, HOWARD C. (S'55-M'57), Lt., USAF, 796 AC & W. Sqdn., Box 337, Bartlesville, Okla.

DALE, JACK D. (A'52), Field Engr., Philico Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

DALE, JAMES A. (SM'58), Head, Hydrographic Instruments Unit, Hydraulic Lab., Tennessee Valley Authority, Norris, Tenn.

DALE, JOHN A. (S'50-A'52), Mgr., Mkt. Analysis, Haller, Raymond, Brown, Inc., Science Park, State College, Pa. DALE, KENNETH N. (A'55), Resident Maint. Engr., Aeronautical Radio, Inc., 5391 N.W. 36 St., Miami Spring, Fla.

Spring, Fla.
OALE, PAUL R. (A'51-M'55), Mgr., Henningsen & Co.,
Ltd., Representing Internat!. Standard Electric, Internat!.
Box 1201, Seoul, Korea.

DALE, THOMAS G. M. (A'44-M'51), Experimental Officer,
Royal Aircraft Est., Farnborough, Hampshire, England.
DALE, WILLIAM L. (A'55), Mgr., Oynamic Testing Lab.,
GE Co., Cincinnati 15, Ohio.
DALEN, GUNNAR S. (S'47-M'48), Pres., Svenska A B
Gasaccumulator (AGA), Stockholm-Lidingo, Sweden.
DALENS GUNNAR S. (S'47-M'48), Pres., Sweden.

Gasaccumulator (AGA), Stockholm-Lidingo, Sweden.
DALESSANDRO, JOSEPH A. (A '53-M '58), Engr., Sperry
Gyroscope Co., Great Neck, L. I., N. Y.
DALEY, CHARLES J. (A '58), Sr. Technician, Sylvania
Elec. Prods., Inc., E. 3rd St., Williamsport, Pa.
DALEY, JOHN L. (M'47), Prof., Sampson Hall, U.S.
Naval Academy, Annapolis, Md.
DALEY, WILLIAM E. (S'56-M'59), Assoc. Engr., Hazettine Electronics Div., Little Neck 62, L. I., N. Y.
DALGLEISH, JAMES W. (SM'46), Exec. Dir. & Chief Engr.,
Pye, Ltd., St., Andrews Rd., Cambridge, England.
OALIETOS, SPYROS A. (A'57), Owner, Precision Television
Tube Co., 7122 S. Chicago Ave., Chicago 19, III.
DALINS, ILMARS (M'56), Electronics Engr., Rocket Sect.,
GE Co., Cincinnati 15, Ohio.
OALKE, JOHN L. (A'6-SM'52), Chief, High Frequency

OALINS, ILMAKS (M.56), Electronics Engr., Rocket Sect., GE Co., Cincinnat 15, Ohio.

OALKE, JOHN L. (A'46-SM'52), Chief, High Frequency Impedance Standards Sect., Radio Standards Div., Natl. Bureau of Standards, Boulder, Colo.

DALL, ALBERT B. (S. (5'50-A'51-M'58), District Sales Mgr., Semiconductor Div., Motorola, Inc., Phoenix, Ariz.

DALLAS, WARREN K. (S'50-SM'54), V.P., Mktg., Tektronix, Inc., Box B31, Portland 7, Ore.

DALLA, VOLTA, ETTORE M. (A'58), Mgr., Tech. Div., Marconi Italiana s.p.a., Cornigiliano, Genoa, Italy.

D'ALLEGRO, GERALD (S'57-A'58), 208 Summer Ave., Newark 4, N.J.

DALLE MURA, P. H. (S'52-A'53-M'58), Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

DALLEY, DUANE G. (S'54-M'56), Engr., RCA, 11819 W. Olympic, Los Angeles 64, Calif.

DALLEY, JAMES E. (S'56-M'57), Instr., Univ. of Utah,

DALLEY, JAMES E. (5'56-M'57), Instr., Univ. of Utah, Salt Lake City 2, Utah. DALLOCCHIO, HECTOR \$. (\$'53-M'56), Belgrano 809, 9A, Buenos Aires, Argentina.

- DALLYN, HUGH E. (A'57), Advertising Mgr., Electronics & Communications, 450 Alliance Ave., Toronto 9, Ont., Ca-

- nada.

 DALMAN G. CONRAD (S'40-A'41-SM'51), Prof., Elec. Engrg., Cornell Univ., Ithaca, N.Y.

 DALRYMPLE, GEORGE F. (S'54-A'55), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 DALRYMPLE, HENRY C. (S'38-A'40-M'55), Head, Applied Physics Dept., U. S. Naval Engrg. Experiment Sta., Annapolis, Md.
- Aupried Physics Dept., U. S. Naval Engrg. Experiment Sta., Annapolis, Md.
 DALRYMPIE, JAMES (A'58), Computer Field Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 DALSON, GENE T. (A'59), Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr. Buffalo, N.Y.
 DALTON, DELBERT E. (S'54-M'56), Engr., Motorola Research Lab., 3102 N. Ingleside Dr., Phoenix, Ariz.
 DALTON, JOSEPH L. (A'37-VA'39-M'50-SM'55), Engrg.
 Div. B Mør., Collins Radio Co., Cedar Rapids, Jowa.
 DALTON, MELVIN M. (S'50-A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 DALTON, RAYMOND C. (S'56-M'57), Design Engr., Douglas Aircraft Co., 3000 Ocean Park, Santa Monica, Calif.
 DALTON, RAYMOND C. (S'56-M'57), Teaching Teaching Co., Calif.

- Douglas Aircraft Co., 3000 Ocean Park, Santa Monica, Calif.

 DALTON, RAYMOND C. (S'56-M'57), Teaching Asst., Elec. Engrg. Dept., Purdue Univ., Lafayette, Ind.

 DALTON, ROBERT C. (A'54), Electronics Engr., Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.

 DALTON, ROBERT C. (A'54), Electronics Engr., Demdix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.

 DALLY, JUR, WAYML D. (S'52-A'54), Elec. Engr., Communications Systems, GE Co., Lynchburg, Va.

 DALY, JAMES J. (S'53-M'58), Engr. Asst., Kearfott Co., Inc., 1150 McBride Ave., Little Falls, N.J.

 DALY, JAMES J. (S'53-M'58), Scientist Assoc., Lockheed Missile Systems Div., Sunnyvale, Calif.

 DALY, JAMES M. (S'53-M'58), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DALY, JOHN A., JR. (A'53), Inspection Specialist, Army Ballistics Missile Agency, Huntsville, Ala.

 DALY, JOHN A., JR. (A'53), Inspection Specialist, Army Ballistics Missile Agency, Huntsville, Ala.

 DALY, JOHN P. (S'56-M'57), Electronics Engr., Stromborg-Carlson Co., 1465 N. Goodman St., Rochester, N.Y.

 DALY, RICHARD H. (S'52-A'54-M'59), Elec. Engr., Raytheon Mg. Co., Wayland, Mass.

 DALY, RICHARD T. (SM'55), Sr. Physlcist, T.R.G., Inc., 2 Aerial Way, Syosset, L.I., N.Y.

 DALY, WILLIAM A. (A'57), Sr. Research Engr., Convair-Astronautics, San Diego 17, Calif.

 DALY, WILLIAM G. (S'16-M'58), Jr. Engr., Datamatic

 Div. Michaes Michaes Michael Communication of the Communication of the

- Test Equipment, Hughes Aircraft Co., Box 11337, Tucson, Ariz.

 DALY, WILLIAM G. (S'56-M'58), Jr. Engr., Datamatic Div., Minneapolis-Honeywell Regulator Co., 151 Needham, Newton Highlands, Mass.

 DALY, WILLIAM J. (A'52), Engr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 DALY, WILLIAM P. (S'54-A'55), Assoc. Engr., Sperry Gyroscope Co., Great Meck, L.I., N. Y.

 DALZELL, C. W. (A'54-M'58), Sr. Engr., Airbome Radar Dept., Sperry Gyroscope Co., Great Neck, L.I., N. Y.

 DALZELL, THDMAS D. (M'55), Sales Engr., Ampex American Corp., 77 Metcalfe St., Ottawa 4, Ont., P. MANDA, ALBERT W. (M'58), Sr. Electronics Engr., 1TT Labs., Nutley 10, N. J.

 DAMASKOS, NICKANDER J. (M'58), Assoc. Research Engr., A, Boeing Airplane Co., Wichita, Kan.

 DAMAST, MARTIN A. (S'48-A'50-M'55), V.P., Special Prods., Narda Ultrasonics Corp., 625 Main St., Westbury, L.I., N. Y.

 D'AMATO, EUGENE J. (A'52-M'58), Engr., RCA, Defense Electronic Prods., Camden, N. J.

 D'AMATO, RALPH J. (S'45-A'48-M'55-SM'56), Dir., Engr., Alcar Instruments, Inc., 17 Industrial Ave., Little Ferry, N. J.

 DAMBACH, ROBERT A. (A'53-SM'577), Mgr., Quality Control, Kemet Co. Div., Union Carbide Corp., 11901

- Ferry, N.J.

 DAMBACH, ROBERT A. (A'53-SM'57), Mgr., Quality
 Control, Kemet Co. Div., Union Carbide Corp., 11901
 Madison Ave., Cleveland 1, Ohio.

 DAMBACH, THOMAS F. (S'55-M'57), Research & Dev.
 Engr., Keithley Instrument Co., 12415 Euclid Ave., Cleveland 6, Ohio.
- DAMBRAUSKAS, VINCENT (S'52-M'56), 1st Lt., U.S. Army Signal Corps, ROC, 97th Sig. Bn. (OPN), APO 46, New York, N.Y. D'AMBRISI, ANTHONY S. (M'59), Elec. Engr., Tech-nitrol Engrg. Co., 1952 E. Allegheny Ave., Philadel-phia 34, Pa.
- DAME, ALLEN M. (S'51-A'53-M'58), Avionics Officer, Air Development Sqdn. One, Naval Air Sta., Key West, Fla.
- DAME, ROBERT O. (S'47-A'49-M'55), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y. DAMELIN, JACK (A'56), Electronics Engr., FCC, Washing-ton 25, J.C.
- DAME LIN, JANA GCODJ, Electronics Engr., FCC, Washington 25, D.C.

 DAMESDN, LOUIS G., JR. (M'52), Asst. to V.P., Cubic Corp., 5575 Kearny Villa Rd., San Diego, 11. Calif. DAMGHAJIAN, H. ROBERT (S'57-M'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.

 D'AMICO, JOSEPH R. (S'55-M'56), Elec. Engr., RCA, Camden 2, N.J.

 D'AMCO, VINCENT J. (S'53-A'54), Project Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 DAMM, FRED H. (J'30-A'41-M'55-SM'57), Engr., Collins Radio Co., Cedar Rapids, Jowa.

 DAMM, GEORGE J. (A'43), Asst. Engr., Elec. Design, Pioneer Service & Engr., Col., 231 S. LaSalle St., Chicago, III.

 DAMM, GEORGE W. (S'56-A'57), 134-28, 243 S.

- Chicago, III.

 DAMM, GEORGE W. (S'56-A'57), 134-28 243 St.,
 Rosedale 22, L.I., N.Y.

 DAMME, MERVIN C., (A'54), Asst. Supvr., Range Operations, Pan American World Airways, Inc., Guided Missiles
 Range Division, Cape Canaveral, Fla.

 DAMON, EDWARD K. (S'50-A'52-M'57), Research Assoc.,
 Antenna Lab., Ohio State Univ., Columbus, Ohio.

 DAMON, FREDERICK A. (A'59), Dept. Chief, Engrg,
 Western Electric Co., 1227 E. 119 St., Grandview,
 Mo.
- DAMON, NOEL E. (M'59), Gneistron, Inc., 23D1 Federal Ave., Los Angeles 64, Calif.

- DAMON, PHILLIP P. (A'54), Design Engr., Storage Tubes, RCA, Lancaster, Pa.

 DAMONTE, JOHN B. (S'45-A'51-M'56), Mgr., Microwave & Propagation Dept., Dalmo Victor Co., 1515 Industrial Way, Belmont, Calif.

 DAMPIER, WILLIAM P. (S'54-M'57), Mem. Tech. Staff, Hughes Ground Systems Div., Fullerton, Calif.

 DAMRON, DAVID H. (S'52-A'55), Assoc. Engr., IBM, Owego, N.Y.

 DAMRON, SIDNEY S. (A'51-M'56), Sr. Engr., Ampex Corp., 2955 Bay Rd., Redwood City, Calif.

 DAMROTH, JOSEPH F. (M'59), Engr., GE Co., Syracuse, N.Y.

- N.Y. DANA, ALAN S. (SM'57), Consulting Engr., The Kerite Co., 49 Day St., Seymour, Conn.
 DANA, ARTHUR W. (S'56-M'59), Asst. Engr., Burroughs
 Corp., Paoli, Pa.
- DANA, ARTHURW. (S'56-M'59), Asst. Engr., Burroughs Corp., Paoli, Pa.

 DANA, JOHN J. (A'40-M'48), Project Engr., Evaluation Branch, Navy Electronics Lab., San Diego 52, Calif.

 DANDELAKE, JAMES (M'51), Pres. & Genl. Mgr., Miller Electric Co., Jacksonville Metal & Plastics Co., 575 Dora St., Jacksonville J., Fla.

 DANDER, DAVID A. (A'51-M'52-SM'58), Design & Dev. Engr., Sylvania Elec. Prods., Inc., Emporlum, Pa.

 DANDOIS, CATIEN P. (M'51), Asst. Regional Engr., Province of Quebec, Canadian Broadcasting Corp., 1425 Dorachester St., Box 6000, Montreal, P.Q., Canada.

 D'ANDREA, LEONARD L. (SM'58), Research Specialist, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- D'ANDREANO, LOUIS D. (A'59), Flectronic Lab, Technician, Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
- DANDRETA, WILLIAM (A'32-VA'39), Genl. Mgr., Wm. Dandreta & Co., 28 Wolcott St., Providence 8, R.I. DANE-HY, ROBERT T. (M'56), Dev. Engr., Sanbom Co., 175 Wyman St., Waltham, Mass.

 DANEBERG, LAWRENCE W. (A'52-M'57), Research Engr., Douglas Aircraft Co., 3000 Ocean Park Ave., Santa Monica, Calif.
- Calif.

 DANFORTH, JOHN A. (S'55-M'55), Engr., Sylvania
 Electronic Defense Lab., Mountain View, Calif.
 DANFORTH, WARNER C., JR. (S'53-A'55), Staff Mem.,
 MIT, Lincoln Lab., Lexington 73, Mass.
 D'ANGELO, FELICE (A'56) Sr. Engr., Microwave Antenna,
 GB Electronics, Hook Creek Blvd., Valley Stream, L.I.,
 N.Y.

- N.Y.

 D'ANGELO, HENRY (S'57-M'58), Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

 DANGL, JOHN R. (M'54), Project Engr., Bendix Aviation Corp., York, Pa.

 DANGE MOND, JAMES L. (S'52-A'53-M'58), Div. Quality Control Specialist, Sylvania Elec. Prods., Inc., Seneca Falls, N.Y.

 DANIEL, ALFRED C. (S'57-M'58), Electronics Engr., Missile Electronics Lab., Redstone Arsenal, Huntsville, Ala
- DANIEL, DENNIS D. (A'56), Asst. Chief, Maint. Supervision, 22nd Armament & Electronics Sqdn. March AFB, Calif.

- Calif.

 DANIEL, DONALD B. (S'53-A'53-M'59), Engrg. V. P., Electronic Systems Engrg. Co., 903 Cravens Bldg., Electronic Systems Engrg. Co., 903 Cravens Bldg., Electronic Systems Engrg. Co., 903 Cravens Bldg., Dklahoma City, Okla.

 DANIEL, EDWARD L. (S'56-M'58), Design & Dev., ITT Labs., 1389 Peachtree St., N.E., Atlanta 9, Ga.

 DANIEL, FRANCIS H. (A'56), Jr. Elec. Engr., Avionics Div., Sylvania Elec. Prods., Inc., Waltham 54, Mass. DANIEL, RICHARD E. (M'57), Sr. Electronics Engr., Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles, Calif. DANIEL, ROBERT D. (A'49), Electronics Technician, Stamford Research Institute, Menlo Park, Calif.
 DANIEL, ROBERT D. (M'46)-SM'54), Western Sales Mgr., Bendix Radio, 10500 Magnolia Blvd., North Hollywood, Calif.

- Calif.

 DANIEL, WILLIAM A. (S'56-M'59), Electronics Difficer,
 USN, NAS North Island, San Diego, Calif.

 DANIELL, CARROLL M. (A'38-SM'45), Partner, A. Earl
 Cullum, Jr., Consulting Radio Engrs., Box 7004, Inwood,
 Dallas 9, Tex.

- Cullum, Jr., Consulting Radio Engrs., Box 7004, Inwood, Dallas 9, Tex.

 DANIELS, ARNOLD J. (M'57), Systems Project Engr., RCA, Moorestown, N.J.

 DANIELS, CHARLES M. (A'59), Electronics Technician, Federal Electric Corp., Paramus, N.J.

 DANIELS, CLYDE L. (M'52), Supvy. Engr., FAA, Box 1062, Aeronautical Center, Oklahoma City, Okla.

 DANIELS, DUDLEY G. (A'56), Industrial Sales Engr., Modern Electronics Co., 2000 Broadway, San Antonio, Tex. DANIELS, EUGENE (M'56), Dir., Engrg., Palo Alto Engrg. Co., 620 Page Mill Rd., Palo Alto, Calif.

 DANIELS, FRED B. (SM'56), Physicist, U. S. Army Signal Engrg. Labs., Ft. Monmouth, N.J.

 DANIELS, HARRY B. (A'54), Genl. Mgr., Research Vacuum Supply Co., 6712 N. Clark, Chicago 26, Ill.

 DANIELS, JAMES A. (S'54-A-55), Electronics Engr., Nortronics Co., 222 N. Prairie St., Hawthorne, Calif.

 DANIELS, JAMES A. (S'54-A-55), Electronics Engr., Nortronics Co., 222 N. Prairie St., Hawthorne, Calif.

 DANIELS, JAMES W. (A'54), Engr., Jennings Radio Mfg. Corp., 970 McLauphiln Ave., San Jose, Calif.

 DANIELS, JAMES W. (A'54), Pres., Interference Testing & Research Lab., Inc., 150 Causeway St., Boston 14, Mass.

 DANIELS, RICHARD G. (S'49-A'51-M'58), Instrumentation Engr., Minneapolis-Honeywell Regulator Co., 500 F.

- Mass.

 DANIELS, RICHARD G. (S'49-A'51-M'58), Instrumentation Engr., Minneapolis-Honeywell Regulator Co., 5200 E.

 Evans St., Denver 22, Colo.

- Evans St., Denver 22, Colo.

 DANIELS, ROBERT E. (M'56), Asst. Elec. Engr., Argonne Natl. Lab., Lemont, III.

 OANIELS, TED M. (S'57-M'59), Mfg. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 DANIELS, THOMAS E. (A'36-SM'47), Military Sales, Collins Radio Co., 1930 Hillien, Dallas, Tex.

 DANIELS, WESLEY H. (S'49-A'50-M'56), Physicist, Natl. Bureau of Standards, Boulder, Colo.

 DANIELSEN, DALE A. (M'54), Communications Electronics Supt., Riddle Airlines, Inc., Box 535, Miami, Fla.

 DANIELSON, DAVID W. (M'58), Chem. Engrg. Unit, GE Co., Box 254, San Jose, Calif.

- DANIELSON, ERNEST G. (A'16-VA'39XL), 945 Faxon Ave., San Francisco 12, Calif.

 DANIELSON, FLOYD H. (A'51-M'53), Engr., American Bosch Arma Corp., Garden City, L. I., N. Y.

 DANIHER, CHARLES E. (S'47-A'50), Sr. Flight Test Engr., Convair, AFMTC, Cape Canaverai, Fla.

 DANNO, JOHN J. (S'58-M'59), Design Engr., Convair, Ft. Worth, Tex.
- PI. Worth, Tex.

 DANKO, STANLEY F. (M'46), Chief, Tech. Staff, Electronic Components Research Det., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N. J.

 DANKWARDT, RAYMOND W. (S'50-A'53-M'56), Circuit Design Engr., Raytheon of Canada, 61 Laurel St., Kitchener, Ont., Canada.

 DANKWORTH, JOHN F. (A'53-M'58), Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N. M.

 DANN, JOSEPH A. (A'46-M'55), Research Specialist, Lockhed Missiles & Space Div., Test Base, Santa Cruz, Calif.

- DANN, ROGER (S'55-M'57), Research Instr., Univ. of Miami Marine Lab., 1 Rickenbacker Causeway, Miami 49, Fla.

- Fia.

 DANNALS, EARL W. (A'16-M'26-SM'52XL), Retired, 3308 19 Ave., W., Bradenton, Fia.

 DANNALS, HARRY J. (S'49-A'51-M'56), Project Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 DANNEMILLER, J. R. (A'50-M'56), Pres., J. R. Dannemiller Associates, Inc., 3955 Lee Rd., Cleveland 28, Ohio.
- DANNENBRINK, HENRY A., JR. (S'54-M'58), V.P.& Plant Engr., Siskiyou Telephone Co., Main St., Ft. Jones, Culif.

- Plank Engr., Siskiyou Telephone Co., Main St., Ft. Jones, Culif.

 DANNER, BENJAMIN L. (M'54), Electronics Scientist, Diamond Ordnance Fuze Lab., Washington 25, D. C.

 DANNER, OAVID H. (M'56), Electronics Engr., Bendix Pacific, 11600 Sherman Way, North Hollywood, Calif. DANNER, FREDERICK G. (M'55), Project Engr., Sperny Gyroscope Co., Great Neck, L. I., N. Y.

 DANNER, OXFORD G. (M'53), Electronics Engr., Sperny Gyroscope Co., Great Neck, L. I., N. Y.

 DANNER, OXFORD G. (M'53), Electronics Engr., FAA, Box 1689, Ft. Worth I, Tex.

 IANNER, ROLAND V. (S'44-A'46'SM'54), Electronics Group Engr., Martin Co., Denver, Culo.

 DANOS, LOUIS A., JR. (S'58-M'59), Elec. Engr., Melpar, Inc., Falls Church, Va.

 DANTA, ROBERT C. (M'59), Mom. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif. DANTAS, CARL E. (S'54-M'57), Elec. Engr., Photon, Inc., 58 Charles St., Cambridge, Mass.

 OANTINE, WALTER A. (A'48-M'55), Electronics Engr., Mgr., Special Projects, GE Co., S. A., Rua Do Hipodromo 1019, Sao Paulo, Brazil.

 D'ANTONIO, RENATO A. (M'58), Assoc. Engr., I8M, Kingston, N. Y.

 D'ANTONIO, RICHARD G. (S'51-A'53-M'58), Computer Engr., Eliza Li Paragratica, Man. David Sharing.
- D'ANTONIO, RICHARD G. (S'51-A'53-M'58), Computer Engr., Surreau of Aeronautics, Navy Dept., Washington 25, D. C.

- DANILO, RICHARUG. (S'51-A'53-M'58), Computer Engr., Bureau of Aeronaukics, Navy Dept., Washington 25, D.C.

 DANTZIG, HENRY P. (SM'58), Head, Microwave & Antenna Group, Bendix Radio Div., Baltimore 4, Md.

 DANUFF, MDRTON L. (A'56), Tech. Writer, The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 DANYLCHUK, IRYNEJ (M'58), Mem. Tech. Staff, 8ell Tel. Labs., Whippany, N. J.

 DANZIGER, ALBERT A. (A'41-M'48), Chief Engr., Radio Engrg. Co., 8 State St., New York, 4, N. Y.

 DAO, TICH T. (A'59), N. C. R. Elec. Div., 1401 El Segundo Bivd., Hawthorne, Calif. DA PRATO, BRUNO F. (A'48-M'50), Customer Engr., 1BM, 3424 N. Central, Phoenix, Ariz.

 DARACK, DSCAR C. (A'54), Engr., Aero Service Corp., 210 E. Cortland St., Philadelphia 20, Pa.

 DARCEY, ROBERT J. (A'47-M'55), Sect. Chief, Diamond Ordnance Fuze Labs., Washington 25, D. C.

 DARCH, NORMAN S. (S'47-A'59-M'57), Sr. Engr., Instruments for Industry, 101 New South Rd., Hicksville, L. I., N. Y.

 DARDANO, LAWRENCE B. (S'52-A'53), 894 Linden Ave., Ridgefield, N. J.

 DARDEN, PIERRE S. D. (M'58), Mem. Tech. Staff, 8ell Tel. Labs., Whippany, N. J.

 DARDEN, ROBERT R., JR. (A'42-M'45'SM'55), Sr. Engr., Arma Div., American Bosch Arma Corp., Garden City, L. I., N. Y.

 D'ARGENTO, FRANK R. (S'51-A'53-M'57), Production Engr., Minneapolis-Honeywell Regulator Co., 40 Life St., Brighton, Mass.

 DARGIS, ALGIMANTAS A. (M'58), Elec. Engr., Collins Radio Co., Cedar Rapids, lowa.

- Brighton, Mass.

 DARGIS, ALGIMANTAS A. (M'58), Elec. Engr., Collins Radio Co., Cedar Rapids, lowa.

 DARGUE, FRANK B. (S'53-A'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 DARLING, DONALD C. (S'48-A'51-M'57), Engr., RCA,

- Bell Tel. Labs., Murray Hill, N.J.

 DARLING, DONALD C. (S'48-A'51-M'57), Engr., RCA, Princeton, N.J.

 DARLING, H. REEVE, JR. (M'58), Owner, Reeve Darling & Associates, 232 N. Lake Ave., Pasadena, Calif.

 DARLING, JOHN K. (A'51), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 DARLING, RAY E. (A'55), Electronics Engr., Crosley DIv., Avco Mfg. Co., Arlington, Cincinnati, Ohio.

 DARLING, RICHARD S. (S'53-A'55), U.S. Army. Home: 5915 Enterorise Ave., McLean, Va.

 DARLING, WOODROW (A'41-M'55), Advanced Dev. Engr., RCA Victor Div., Camden, N.J.

 DARLINGTON, HENRY T. (A'51-M'56), Sr. Engr., Flight Test Instrumentation, No. Amer. Aviation, Downey, Calif.

 DARLINGTON, SIONEY (SM'53-F'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 DARMENTO, JDSEF (A'48-M'55), Sr. Engr., Sylvania Elec., Prods., Inc., Convair, Ft. Worth, Texas.

 DARNALL, EDWARD B. (M'55), Sales Engrg, Ren., Aircraft Armamerts, Inc., Cookeysville, Md.

 DARNE, FRANCES R. (A'46-M'55), Electronics Engr., Bureau of Ships, Navy Dept., Washington 25, D.C.

 DARNELL, PAUL S. (SM'52), Dir., Miltary Component Dev., Bell Tel. Labs., Whitpanny, N.J.

 DARNELL, WALTER E. (A'47-SM'53), Transmission Engr., Radio, Bell Tel. Co. of Pennsylvania, 1317 Filbert St., Philadelphia 7, Pa.

 DARNOVSKY, ALEXANDER (S'50-A'51-M'58), Mgr., Administrative Plannine. 18M. Kinostan. N.V.

- DARNOVSKY, ALEXANDER (S'50-A'51-M'58), Mgr., Administrative Planning, IBM, Kingston, N.Y.

- DARNSTEADT, ARTHUR L. (M'56), Mech. Engrg. Design Production, Kip Electronics, Inc., 29 Holly Pl., Stamford, Conn.
- DAROIS, PAUL F. (S'52-A'55), Asst. Project Engr., Tele-register Corp., 445 Fairfield Ave., Stamford, Conn. DAROLD, JAMES J. (M'58), Project Engr., Acoustica Associates, Inc., 26 Windsor Ave., Mineola, L.I., N.Y. DA ROSA, ALDO V. (S'43-A'48-M'53), Dir., Instituto De Pesquisas F Desenvolvimento Da Aeronautica, Sao Jose das Campos, Sao Paulo, Brazil.

- DAROZA, FRANCIS G. (A'51-M'56), Geni. Magnetic Corp., 10001 Erwin Ave., Detroit 34, Mich. DARR, JACK E. (S'48-A'49-M'53), Sect. Mgr., Westing-house Elec. Corp., Friendship Internati. Airport, Baltimore, Md.
- Md.

 DARRAH, GERALD L. (A'59), Electronics Technician, Federal Electric Co., Box 7-153, Anchorage, Alaska.
 DARRELL, ROBERT D. (A'44), Music Critic, Freelance Writer, Balmoral, The Vly, Stone Ridge, N. Y.
 DARRISON, JUDAH (M'56), Elec Engr., Comprehensive Designers, Inc., 1649 N. Broad St., Philadelphia, Pa.
 DARROW, FRANK M. (A'52-M'57), Electronics Engr., Rome Air Development Center, Griffiss AFB, N. Y.
 DARSCH, ARNOLD P. (S'5D-A'51-M'58), Chlef Engr., Hamlin, Inc., 1316 Sherman, Evanston, III.
 DARSCH, CHARLES G., JR. (M'58), 7 Grove St., Boston 14, Mass.

- 14, Mass.

 DART, DONALD E. (M'57), Engr., Missile Div., Bendix Avlation Corp., 4D0 S. Belger St., Mishawaka, Ind.

 DART, HARRY F. (A'20-M'26-SM'43-F'59), Patent Engr Electronic Tube Engrg. Dept., Westinghouse Elec. Corp., Box 284, Elmira, N.Y.

 DARUVALA, DINSHAW, J. (M'56), Engr., The Bombay Dyelng & Mfg. Co., Ltd., Neville House, Ballard Estate, Bombay 1, India.
- DARWIN, FRED A. (SM'46), Mgr., Electronic Systems, Missiles Engrg. Div., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.
- DAS, PARESH N. (M'49), Assoc. Lecturer, Physics & Communication, Bengal Engra. College, Sibpur, P.O. Botanic Garden District, Howrah, West Bengal, India.

 D'ASARO, LUCIAN A. (S'49-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 DASBURG, ALFRED V. (A'4B-M'48), Mgr., Yard, Terminal Dev., Genl. Railway Signal Co., Box 600, Rochester 2, N.Y.

- N.Y.

 N.Y.

 N.Y.

 DAS GUPTA, ASRU K. (A'54), Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.

 DASHER, BENJAMIN J. (A'41-M'55-SM'57), Prof. & Dir., School of Elec. Engrg., Georgia Institute of Technology, Atlanta, Ga.

 DASHIELL, DANIEL H. (M'54), Electronics Engr. (Radar), USN, Bureau of Ships, Navy Yard, Pearl Harbor, Hawaii.

 DASHIELL, EUGENE V. (M'52-SM'57), V.P. & Chief Engr., Arthur H. Lyrnch & Associates, Inc., 35 W. N. Shore Ave., Ft. Myers, Fia.

 DASHNEY, DONALD R. (S'54-A'55), Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.

 DA SILVA, EDUARDO G. (S'57-M'58), Asst. Engr., ElectroData Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.

 DASKALRAKIS, ANDREW (S'57-M-58), Mem. Tech. Staff,
- Passagena, Calit.

 DASKALAKIS, ANDREW (S'57-M-58), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.

 DASKAM, EDWARD, JR. (M'50), Chief Elec. Design Engr.,
 Engro. & Prod. Div., Airborne Instrument Lab., Mineola,
 L.I., N.Y.
- DASKAM. SAMUEL W. (M'58). R.D. 1. Lebanon, N.J. DASKO, GEORGE J. (A'54), Radio Engr., Canadian Marconi Co., 2442 Trenton Ave., Mt. Royal, P.Q., Canada. DASPIT, JOHN I. (A'42-M'55), 507 9 St., Santa Monica, Calif.
- D'ASSUMPACAO, HENRIQUE A. (M'57), Scientific Officer, Weapons Research Est., Salisbury, South Australia.
- Weapons Research Est., Salisbury, South Australia.
 D'ASTA, JOHN (S'55-A'57), 661 Bradshaw, Los Angeles 22, Calif.
- 22, Calif.

 DASTIDAR, PRANAB R. (A'57), 26 Valkyrle Rd., West-cliffe-On-Sea, Essex, England.

 DASTUR, J. B. (A'38), Dir., Oriental Radios, Ltd., 381
 Homby Rd., Lamington Chambers, Lamington Rd., Bombay, India.
- DATA, CARL D. (S'47-A'52-M'57), Sales Engr., Electronic Engrg. Associates, Ltd., 1295 Laurel, San Carlos, Calif. DATES, HAROLD F. (M'58), Engr., Coming Glass Works, Coming.
- DATHE, LLOYD C. (A'48), 66 Riverside Ave., Red Bank,
- N.J.
 DATTILO, WILLIAM P. (S'57-M'59), Elec. Engr., U.S.
 Army Research & Development Lab., Ft. Monmouth, N.J.
 DATWYLER, WALTER F. (S'49-A'53), Sr. Engr., Research Labs. Div., Bendix Aviation Corp., Box 5115,
 Detroit 35, Mich.
- DAU, WALTER K., JR. (SM'58), Sales Mgr., Microwave DIV., Kearfott Co., Inc., 14844 Oxnard St., Van Nuys, Callf.
- DAUBARAS, EDWARD J. (M'44), Sr. Project Engr., ITT Labs., Church Rd., Great River, N.Y. DAUBENDICK, ALLEN W. (M'58), Electronics Research Engr., The Natl. Cash Register Co., Maine & K Sts., Dayton 9, Ohio.

- Dayson 9, John Dayson 9, John Dayson 9, Story Dayson 9, John Dayson 1, Security Agency, Ft. Meade, Md. DAUBENNEYER, HOWARD L., JR. (4'54), Chief Engr., WTRF-TV, Ogden Bidg., Wheeling, W. Va. DAUBENNIRE, RICHARD L. (4'56), Electronics Jr. Engr., Diamond Power Specialty Corp., Box 415, Lancaster, Ohio. DAUGHERTY, CARL E. (4'35-M/52), More Carillaion. DAUGHERTY, CARL F. (A'36-M'52), Mgr., Facilities, WSB, WSB-TV, 1601 W. Peachtree St., N.E., Atlanta 9, Ga.
- DAUGHERTY, OANIEL J. (M'56), Tech. Asst. to V.P., Engrg., The Natl. Cash Register Co., Maine & K Sts., Dayton, Ohio.
- DAUGHERTY, EDWARD J. (M'55), Personnel Mgr. Price Electric Co., Frederick, Md. DAUGHERTY, LEON C. (M'58), Supvy. Electronics Engr., Air Navigation Facilities Branch, FAA, Box 1082, Oklahoma City, Okla.
- DAUGHERTY, ROGER M. (A'42-M'45-SM'48), V.P. Engrg., Hammarlund Mfg. Co., Inc., 460 W. 34 St., New York 1, N.Y.

- DAUGHERTY, TEMPLE J. (M'54), Electronics Engr., U.S. Army, AFSWP, Hgrs. Field Command, Sandia Base, Albuquerque, N.M.
- DAUGHERTY, WILLIAM M. (A'47-M'55), Instr., Facilities Div., FAA Aeronautical Center, Box 1082, Oklahoma City, Okla.

- 142 -

- DAUGHTON, GLENN B. (M'50), Col., USAF, Cmdr., 865th Strategic Missile Sqdn. (IRBM-Jupiter), Redstone Arsenal, Ala

- Javacytic missire Sgün. (Irkom-Jupiter), Redstone Arsenal, Ala.

 DAUL, ROBERT M. (M'58), Sales Engr., Stackpole Carbon Co., Chicago 13, III.

 DAUM, ALFRED (SM'57), Sr. Avionics Engr., Grumman Aircraft Engra. Corp., Bethapage, L.I., N.Y.

 d'AURIA, GIOVANNI (A'58), dott. Ing., Fondazione Vgo Bordoni, Viale Trastevere 189, Roma, Italy.

 DAUSEND, JACK P. (S'54-M'56), Elec. Engr., Melpar, Inc., 300D Arlinston Blvd., Falls Church, Va.

 DAUSH, ARTHUR A., JR. (S'46-A'49-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 DAUSIN, LAWRENCE R. (M'59), Project Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 DAUSMAN, RUSSELL H. (A'46-M'46), Cmdr., USN, San Francisco Group, Pacific Reserve Fleet, San Francisco Sipyard, San Francisco 24, Calif.

 D'AUTEUIL, RAYMOND J. (S'55-M'59), 26 Larchwood
- D'AUTEUIL, RAYMOND J. (S'55-M'59), 26 Larchwood Rd., Methuen, Mass.

 DAUTREMONT, JOSEPH L., JR. (S'52-A'54-M'59), Sr. Mem. Professional Staff, Telautograph Corp., 87DD Bellanca, Los Angeles 45, Calif.

 DAVENPORT, CHARLES M. (M'51), 567 Howard St., Whittier, Calif.
- DAVENPORT, EDWARD J. (A'48), Sales Engr., Tung-Sol Electric, Inc., 8575 Washington Blvd., Culver City, Calif. DAVENPORT, FOUNTAIN S. (A'44-M'54), Project Engr., RCA Missile Test Project, Patrick AFB, Fla.
- DAVENPORT, GEORGE M. (A'56), TV Engr., WBRC, Inc., Red Mountain, Birmingham 11, Ala.
- DAVENPORT, KENNETH R. (S'51-A'53-M'58), Staff Engr., IBM, 99 Notre Dame Ave., San Jose, Calif. DAVENPORT, WHITLEY L., JR. (S'55-M'58), Design Engr., Aerojet Genl. Corp., Box 1947, Sacramento, Calif.
- DAVENPORT, WILBUR B., JR. (S'40-A'42-SM'48-F'58), Head, Information Processing Div., MIT Lincoln Lab., Lex-ington 73, Mass.

- ington 73, Mass.

 DAVERIO, ALFONS J. (A'50-M'55-SM'58), Electronics Group Engr., Martin Co., Orlando, Fla.

 DAVEY, DUNALD F. (S'53-A'54), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DAVEY, JAMES R. (A'46-M'55), Data Systems Dev. Engr., Bell Tel. Labs., Murray Hill, N.J.

 DAVEY, STUART W. (A'58), Radar Maint. Technician, USAF, Rox 396-CM, Tyndall AFB, Panama City, Fla.

 DAVID, BRUCE W. (A'22-M'27-SM'48)(L), Consulting Engr., 3223 Ormond Rd., Cleveland Heights 18, Ohio.

 DAVID, CHARLES E. (S'58-M'59), Engr., Whirlpool Corp., 2300 N. New York Ave., Evansville, Ind.

 DAVID, EDWARD E., JR. (A'48-M'56-SM'58), Dir., Visual & Acoustics Research, Bell Tel. Labs., Murray Hill, N.J.

 DAVID, ERWIN (M'55), Systems Engr., Canadian Aviation
- DAVID, ERWIN (M'55), Systems Engr., Canadian Aviation Electronics, Ltd., Box 2030, Sta. 0, Montreal 9, P.Q., Canada.
- DAVID, JENNINGS R. (S'40-A'47-M'55-SM'57), Dir., Engrg., Summers Gyroscope Co., 2500 Broadway, Samta Monica, Calif.

- DAVID, PIERRE B. (SM'48), Scientific Adviser, SHAPE, Paris, France.

 DAVID, WILLARD O. (A'51), Research Engr., Pan American Petroleum Corp., Box 591, Tulsa, Okla.

 DAVID, WILLIAM R. (A'26-M'55), V.P.-in-Chg., Engrg., Patroon Broadcasting Co., WPTR, 1820 Central Ave., Albany 5, N.Y.
- DAVIDOFF, FRANK (S'42-A'45-M'51), Project Engr., Telechrome Mfg. Corp., 28 Ranick Dr., Amityville, L.I.,
- DAVIDOFF, SYDNEY (A'47-M'47-SM'59), Project Engr., Belock Instrument Corp., 111-01 14 Ave., College Point, L.I., N.Y.
- DAVIDOVITS, MOSHE (A'57), Electronics Technician, Empire State Hearing Aid Bureau, Inc., 33 W. 42 St., New York 36, N.Y.
- N.Y.

 DAVIDS, HUGH H. (A'42-SM'47), Mgr., Special Mobile Design Engrg., GE Co., Lynchburg, Va.

 DAVIDS, LEONARD H. (S'57-M'58), Design & Dev. Engr., Rocketdyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.
- DAVIDS, WERNER (S'56-A'58), Computer Maint. Engr., RCA Service Co., Camden 8, N.J.
 DAVIDSON, ALEX P. (S'57-M'59), 1018 27 St., Portsmouth, Ohio.
- DAVIDSON, ALLEN R. (M'49-SM'57), Owner, Davidson Electronic Development Co., 1221 Peach St., Erie, Pa. DAVIDSON, CHARLES H. (A'52-M'58), Assoc. Prof., Dept. of Elec. Engrg., Univ. of Wisconsin, Madison 6, Wis. DAVIDSON, DAVID (A'43-M'55), Engrg. Dept., Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.
- DAVIDSON, DONALD S. (A'54-M'59), Mgr., Engrg., Technical Measurement Corp., 441 Washington Ave., North
- DAVIDSON, E. D. (A'43-M'55), Sr. Research Engr., Rocket-dyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.

- Canoga Park, Calif.

 DAVIDSON, FRED T. (S'58-M'59), Design Engr., Melpar, Inc., 43 Leon St., Boston 15, Mass.

 DAVIDSON, GARETH M. (S'46-A'48-M'54), Sr. Engr., Amer. Bosch Arma Corp., Garden City, L.I., N.Y.

 DAVIDSON, GEORGE A. (S'53-M'56), Staff, MIT, Instrumentation Lab., Cambridge 39, Mass.

 DAVIDSON, GEORGE G. (S'55-M'57), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- DAVIDSON, GEORGE G. (S'55-M'57), Electronics Engr., Rodketdyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.
- DAVIDSON, GILBERT M. (M'57), 99 Anderson Dr., CliRon, N.J. DAVIDSON, GORDON K. (M'48-SM'58), Chief Engr., Cana-dian Aviation Electronics, Box 915, Montreal, P. Q., Cana-

- DAVIDSON, HENRY A. (M'56), Group Leader, Transistor Applications Engrg., Prods. Div., Hughes Aircraft Co., Los Angeles 45, Calif.
- DAVIDSON, HUGH K. (S'51-A'52-M'56), System Analyst, Arma Div., American Bosch Arma Corp., Box 125, Port Canaveral, Fla.

- DAVIDSON, JAN AS. (M'56), Sr. Research Engr., Belling & Lee, Ltd., Enfield, Middx., England.

 DAVIDSON, JAMES J. (S'49-A'52-M'57), Engr., RCA, Camden 8, N. J.

 DAVIDSON, JAMES K. (A'52-M'57), Supry. Research Engr., Army Ballistic Missiles Agency, Missile Firing Lab., Titusyille, Fla.
- DAVIDSON, JOHN D. (S'52-A'54), Lt. Cmdr., USN, Supvr., Shipbuilding, USN, Beth Pacific Coast Steel Corp., San Francisco, Calif.

 DAVIDSON, JDHN W. (M'54), Tech. Asst. to Dir. of Education, Radio College of Canada, 86 Bathurst St., Toronto, Ont., Canada
- DAVIDSON, JOSEPH K. (A'55), Owner, Joe Davidson & Associates, Rototest Labs., 2803 Los Flores Blvd., Lynwood, Calif.
- DAVIDSON, KENNETH W. (M'58), Branch Mgr., Quality Assurance Dept., Texas Instruments, Inc., Box 312, Dallas, Tex.
- Davidson, Charles instruments, inc., box 312,
 Davidson, Maurice H. (A'56), Radio Technician, Royal
 Canadian Mounted Police, Kelowna, B. C., Canada.
 Davidson, ORVILLE J. (A'56), Asst. Engr., CHED, 10006
 10.7 St., Edmonton, Alta., Canada.
 Davidson, PETER (A'44), Staff Engr., Shure Bros., Inc.,
 222 Hartrey Ave., Evanston, Ill.
 Davidson, RALPH (A'53-M'54-SM'58), Sperry Gyroscope
 Co., Great Neck, L. I., N. Y.
 Davidson, RAYMOND A. (S'54-A'55-M'58), Asst. Prof.,
 Elec. Engre, Dext., Univ. of Illinois, Urbana, Ill.
 Davidson, RICHARD B. (A'54), Plant Mgr., M B Mfg.
 Co., Whalley Ave. at Fitch St., New Haven, Conn.
 Davidson, ROBERT C. (S'53-A'54), Engr., RCA, Moorestown, N. J.
 Davidson, RUSSFILL I. (A'57), Techbon, Eigld Engr.

- DAVIDSON, RUSSELL L. (A'57), TechRep. Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
- DAVIDSON, SIDNEY (S'43-A'45-M'55), Dir., Engrg., KOA-AM-TV, 1625 California St., Denver 2, Colo. DAVIDSON, STAN (M'57), TV Engr., Meredith WOW, Inc., Dmaha, Neb.
- Dmana, Neb.
 DAVIDSON, STANLEY R. (S'56-M'57), Electronics Systems Test Engr., IBM, Poughkeepsie, N. V.
 DAVIDSON, WARD F. (SM'47), 12 Summit Rd., Port Washington, L. I., N. Y.

- Washington, L. I., N. Y.
 DAVIDSON, WILLIAM N. (M'58), Prod. Mgr., Anderson Electric Corp., Box 2151, Birmingham 1, Ala.
 DAVIDSON, WILLIAM P. (M'57), Engrg. Supvr., Natl. Security Agency, Washington 25, D. C.
 DAVIE, LEROY J. (M'57), Electronics Engr., USN, Industrial Mgr., 17 N. D., Box 12, Navy 127, FPO Seattle, Wash.
- Wash.

 DAVIE, MARSHALL C. (S'40-A'45-M'51-SM'51), Research Engr., The Rand Corp., 1700 Main St., Santa Monica, Calif.

 DAVIE, WALTER C. (S'54-A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 DAVIES, BRENT E. (S'52-A'53-M'58), Design Engr., Canadian GE Co., 830 Lansdowne Ave., Toronto, Ont., Canada.

- DAVIES, DAVID C. (S'56-M'57), Dev. Engr., Bendix Research Labs., 20800 W. 10 1/2 Mile Rd., Southfield, Mich

- DAVIES, EDWARD R. (S'53-A'56), 508 Rossiter Ave.,
 Baltimore 12, Md.
 DAVIES, GOMER L. (M'33-SM'43), Pres., DataSearch,
 Inc., 15510 Norwood Pike, Silver Spring, Md.
 DAVIES, HERBERT E. (A'59), Lt. Cmdr., USN, Electronics Asst., Resident Officer-in-Chg., Construction, USN
 Contracts, East Machias, Me.
- CONTROLS, LASK MACHIAS, Me.
 DAVIES, J., ALFRED (M'55), Mgr., Statistical Engrg.,
 GE Co., Owensboro, Ky.
 DAVIES, JOHN 1. (A'59), Asst. Prof., Anesthesiology,
 Univ. of Kansas Medical Center, 39 & Rainbow Blvd.,
 Kansas City 12, Kan.
 DAVIES, KENNETH (M'56), Central Radio Prop. Lab.,
 Natl. Bureau of Standards, Boulder, Colo.

- Natl. Bureau of Standards, Boulder, Colo.

 DAVIES, KENNETH J. (M'56), Telecommunications Inspector, Posts & Telecoms Dept., Nyasaland Govt., 80x 72, Zomba, Nyasaland, B. C., Africa.

 DAVIES, KENNETH P. (S'55-M'57), Sta. Engr., Broadcasting Div., Canadian Marconi Co., 600 Dominion Sq. Bldg., Montreal, P. Q., Canada.

 DAVIES, LEE E. (S'48-A'50-M'55-SM'56), Research Engr., Stanford Research Institute, Menio Park, Calif. DAVIES, LOUIS F. (M'57), Sales Engr., The Carborundum Co., Niagara Falls, N. Y.

 DAVIES, N. GEORGE (M'59), Defence Service Scientific Officer, Defence Research Bd., Defence Research Telecommunications Est., Shirley Bay, Ottawa, Ont., Canada.

 DAVIES, REGINALD J. C. (A'46-M'55), Eggr., E. M. I.

- communications Est., Shirley Bay, Ottawa, Ont., Canada.
 DAVIES, REGINALD J., C. (A'46-M'55), Engr., E. M. I.
 Electronics, Ltd., Salisbury, South Australia.
 DAVIES, RICHARD A. (S'57-M'59), Elec. Engr., Newport
 News Shiphuilding & Dry Dock Co., Washington Ave., Newport News, Va.
 DAVIES, RICHARD H. (SM'45), Ferranti Electric, Inc., 30
 Rockefeller Plaza, New York 20, N. Y.
 DAVIES, RICHARD S. (S'48-A'51-M'55-SM'57), Systems
 Sect. Mgr., Oev. Labs., Philoc Corp., 3875 Fabian Way,
 Palo Alto, Calif.
- Palo Alto, Calif.

 DAVIES, ROBERT W. (A'53-M'58), Prod. Engr., Sylvania Electronic Defense Lab., Mountain View, Calif.

 DAVIES, ROLAND C. 'A'44-M'55), Pres. & Editor, Telecommunications Reports, 1208-16 Natl. Press Bldg., Washington 4, D. C.

 DAVIES, WILLIAM R. (A'55), Electronics Engr., Boeing Airplane Co., Seattle, Wash.

 D'AVINO, RALPH F. (A'48), Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 DAVIC ADRIAN E (S'53-A'54-M'59), Sr. Design Engr.,
- DAVIS, ADRIAN F. (\$53-A'54-M'59), Sr. Design Engr., No. Amer. Aviation, Internatl. Airport, Los Angeles 45, No. A Calif.
- DAVIS, ALFRED (A'44-SM'49), Research Engr., Defense Research Lab., 500 E. 24 St., Austin 12, Tex.

DAV-DAV - 143 -

- DAVIS, ALONZA J. (M'56), Torpedo C/M Div., USN Mine Defense Lab., Panama City, Fla. DAVIS, ALVIN Q. (S'55-M'57), Communications, Magnolia Petroleum Co., Beaumont, Tex.
- DAVIS, ANDREW J. (M'5B), Lab. Dev. Engr., GE Co., 100 Woodlawn, Pittsfield, Mass.
- DAVIS, ARLENE (M'44-SM'4B), Chief Engr., Airframe Mfg. Co., Electronic Div., 6BB7 Farmdale, North Holly-wood, Calif. wood, Calif.

 DAVIS, ARTHUR P. (S'41-A'43-M'55-SM'59), Communications Engr., Calgary Power, Ltd., 140 1st Ave., W., Calgary, Alta., Canada.

 DAVIS, AUSTEN C. (M'54), Field Engr., RCA, Camden 2, N.J.

- 2, N.J.
 DAVIS, BENJAMIN L. (A'54-SM'55), Supvy. Genl. Engr.,
 Diamond Ordnance Fuze Labs., Washington 25, D.C.
 DAVIS, BERNARD M. (S'56-M'57), Instrumentation Engr.,
 Aro, Inc., Tullalpoma, Tenn.

- Aro, Inc., Tullalnoma, Tenn
 DAVIS, BERVIL D. (S'57-A'58), Research Engr., No.
 Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio.
 DAVIS, BURT E. (SM'50), Engr. Asst., Collins Radio Co.,
 2700 W. Olive, Burbank, Calif.
 DAVIS, CARL B. (A'54-M'59), Project Borr., GMC,
 Raymond & Tibbs, Indianapolis, Ind.
 OAVIS, CARLETON B. (SM'57), Head, Communication
 Branch, Naval Research Lab., Washington 25, D.C.
 DAVIS, CECLL C. (M'54), Functional Test Engr., Lockheed
 Aircraft Corp., Marietta, Ga.
 DAVIS, CHARLES C. (A'53-M'59), Electronics Engr.,
- DAVIS, CHARLES C. (A'53-M'59), Electronics Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.
- DAVIS, CHARLES F. (M'58), Mem. Tech. Staff, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex. DAVIS, CHARLES H. (A'50), Head, Radar & Control Center Engrs. Sect., Bureau of Ships, Code 746A, Washington 25, D.C.
- DAVIS, CHARLES R. (A'44-M'53), Electronics Engr., Wright-Patterson AFB, Ohio.
- Wright-Patterson AFB, Ohio.

 DAVIS, CHESTER (A'29-VA'39-M'55), Supvg. Engr., Toll Ternihul, Michigan Bell Te!. Co., 1365 Cass Ave., Detroit 26, Mich.

 DAVIS, CHESTER E. (A'51-M'56), RCA Victor Co., Camden, N.J.

 DAVIS, CHESTER L. (A'24-M'28-SM'43), Atty. at Law & Patent Atty., Perry, Mo.

 DAVIS, CLAUD M. (A'53), Staff Engr., IBM, Poughkeepsie, N.Y.

- DAVIS, CLAUDE C. (A'59), Chief, Special Communications Services, Pan American World Airways, Inc., Internati. Airport, San Francisco, Calif.
- DAVIS, CLAUDE G. (M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
- DAVIS, CLEO H. (A'53), Project Engr., Weapons Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- AFB, Ohio.

 DAVIS, CLIFTON H. (M'50), Sr. Engr., Norair Div., Northrop Aircraft, Inc., Hawthorne, Calif.

 DAVIS, DALLAS R. (A'51), Pres., Davis Equipment, Inc., 4907 E. 11 St., Tulsa 12, Okla.

 DAVIS, DANIEL (S'49-A'51-M'57), V.P., Howal-Ronset Instrument Co., Inc., 50 Marbledale Rd., Tuckahoe 7,
- DAVIS, DARYL D. (A'14-VA'39-M'55XL), Elec. Engr., Scott-Buttner Elec. Co., Inc., B96 W. Grand Ave., Oakland 7, Calif.

- Oakland 7, Calif.

 DAVIS, DAVE K. (M'57), Project Engr., Collins Radio Co., 1930 HiLine Dr., Dallas, Tex.

 DAVIS, DAVID A. (A'48-M'55), Geophysical Instrument Super, Culif Oil Corn., Box 2097, Denver, Colo.

 DAVIS, DEAN W. (A'52-M'57), Project Super., Famsworth Electronics Co., 3702 E. Pontiac St., Ft. Wayne 1, Ind.

 DAVIS, DONALD A. (S'55-M'58), Microwave Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas Tex.

 DAVIS, DONALD M. (S'50-A'50-M'57), Engr., GE Co., Utica, N.Y.
- DAVIS, DONNELL A. (S'56-M'58), Test Planning Engr., Western Electric Co., 204 Graham-Hopedale Rd., Burlington, N.C.

- Burlington, N.C.

 DAVIS, DDNOVAN C. (S'46-A'48-M'55), Tech. Dir., Engra., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

 DAVIS, E., STUART (M'55), Research Dir., Potter Aeronautical Corp., Union, N.J.

 DAVIS, EARL C. (M'53), Mgr. New Mexico, Neely Enterprises, 107 Washington St., S.E., Albuquerque, N.M.

 DAVIS, EDSEL H. (A'56), Field Engr., Philo Corp., 22 St. & Lehlph Ave., Philadelphia 32, Pa.

 DAVIS, EDWARD A. (A'58), Mg., USAF, Staff Commanding Officer, 142nd Fighter Group, 3337th Sturon, Box 25, Scott AFB, Ill.

 DAVIS, EDWARD A. (A'54-M'57). Flectronics Maint
- AFD, III.

 DAVIS, EDWARD E. (A'54-M'57), Electronics Maint.
 Officer, U.S. Naval Communication Sta., Norfolk, Va.

 DAVIS, EDWARD F. (S'48-M'57), Mem. Tech. Staff,
 Hughes Aircraft Co., Mailbu, Calif.

 DAVIS, EDWARD H. (M'58), Elec. Electronics Engr., FAA,
 80x 9007, Airpon Sta., Los Angeles 45, Calif.

 DAVIS, EDWARD M., JR. (S'56-M'59), MacGhee Rd.,
 Poughkeepsie, N.Y.

 DAVIS, EDWIN L. (A'52-M'52-SM'56), Regional Commercial Engr., GE Co., Clifton, N.J.
 DAVIS, EDWIN S. (M'5B), Device Engr., CBS-Hytron,
 Industrial Center, Lowell, Mass.
 DAVIS, EDWIN W. (A'84-M'55), Sr. Project Engr., CBSTV, 485 Madison Ave., New York 22, N.Y.
 DAVIS, ELTON D. (A'53), Electronics Engr., FCC, Wash-

- DAVIS, ELTON D. (A'53), Electronics Engr., FCC, Washington, D.C.

- DAVIS, ELION D. (A'53), Electronics Eigr., P.C., wasinington, D.C.

 DAVIS, EMBREY J. (S'57-A'5B), Field Rep., Motorola, Inc., 4900 W. Flournay, Chicago 44, Ill.

 DAVIS, FORREST W. (A'53-M'59), Chief Engr., Jordan Electronics, 3025 W. Mission Rd., Alhambra, Calif.

 DAVIS, FRANCIS E. (A'57), Fier. Engr., Avion Div., B00 N. Pitt St., Alexandria, Va.

 DAVIS, FRED S. (A'57), Project Engr., Century Controls Corp., B0 E. Montauk Hwy., Lindenhurst, L.I., N.Y.

 DAVIS, G. WILLIAM (M'55), Mgr., Tech. Services, Electronics Div., Ferranti-Packard Electric, Ltd., Industry St., Mt. Dennis, Toronto, Ont., Canada.

 DAVIS, GARY W. (S'56-M'57), Electronics Engr., U. S. Naval Ordnance Test Sta., China Lake, Calif.

- DAVIS, GEORGE C. (A'30-M'42-SM'43), Consulting Engr., George C. Davis Consulting Engrs., Radio-Television, 504 Munsey Bldg., Washington 4, D.C.
 DAVIS, GERALD W. (A'50-M'55), Head, VHF/UHF/ASR Communications Sect., Avionics Div., Bureau of Aeronautics, Navy Dept., Washington 25, D.C.
- DAVIS, GOEBEL, JR. (S'54-M'56), 317 Alcazar, N.E., Albuquerque, N.M.
- DAVIS, GORDON A. (S'54-A'59), Staff Engr., Gulf Television Corp., (KGUL-TV), 1900 Prudential Bldg., Houston, Tex.
- Tex.

 DAVIS, GORDON L. (A'51), Switchboard Engr., Western
 Electric Co., Merchandise Mart Plaza, Chicago 54, III.

 DAVIS, HALLOCK G., JR. (M'56), V.P., Fenske, Fedrick
 & Miller, Inc., 12820 Panama 5t., Los Angeles 66,
- Calif.
 DAVIS, HAROLD (S'4B-A'53-M'58-SM'59), Asst. Prof.,
 Univ. of California, Los Angeles 24, Calif.
 DAVIS, HAROLD C. (A'53), Engr., Boeing Aircraft Co.,

- Univ. of Alabama Medical College, 519 S. 20 St., 8irmingham 5, Ala.

 DAVIS, HECTOR, III (S'55-M'5B), Engr., Lansdale Tube
 Co., Lansdale, Pa.

 DAVIS, HENRY B. O. (A'45-M'5B), Engr., Trajectory
 Sect., RCA Service Co., Patrick AFB, Fla.

 DAVIS, HENRY P. (A'47-M'58), Div. Traffic Supvr., Ohio
 Bell Tel. Co., 50 W. 8owery St., Akron B, Ohio.

 DAVIS, HENRY U. (M'55), Sr. Engr., AT&T Co., 60 West
 Ave., Wayme, Pa.

 DAVIS, HOMER P. (M'55-SM'59), Group Electronics
 Engr., Martin Co., Baltimore 3, Md.

 DAVIS, HOMARD M. (M'58), Sr. Electronics Engr., Rome Air
 Development Center, Griffiss AFB, N.Y.

 DAVIS, HOWARD M. (M'58), Sr. Electronics Engr., Convair,
 1675 W. 5 Ave., Pointona, Calif.

 DAVIS, HOWARD M. (SM'58), Engr., Sect. Head, Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 DAVIS, IRWIN J. (S'55-A'57), Instr., Elec. Engrg., Colorado State Univ., Ft. Collins, Colo.

 DAVIS, IRWIN J. (S'55-A'56), Equipment Engr., Western
 Electric Co., 99 Church St., New York, N.Y.

 DAVIS, JACK M., SR. (A'55), Project Mrg. Mgr., Martin
 Co., Baltimore 3, Md.

 DAVIS, JACK W., (S'36-A'39-M'45), Supvg, Engr., WestInghouse Elec., Corp., Electronics Engr., Electro
 Instruments, Inc., 3540 Aero Ct., San Diego 11, Calif.

 DAVIS, JACK W., (S'36-A'39-M'45), Supvg, Engr., WestInghouse Elec., Corp., Electronics Div., B50, Box 1B97,
 Baltimore 3, Md.

 DAVIS, JAMES C., JR., (A'49-M'55), Electronics Engr.,
 Raytheon Mrg. Co., 8 edford, Mass.

- Inghouse Elec. Corp., Electronics Div. B50, Box 1B97, Baltimore 3, Md.

 DAVIS, JAMES C., JR. (A'49-M'55), Electronics Engr., Raytheon Mfg. Co., Bedford, Mass.

 DAVIS, JAMES H. (S'45-A'48-M'55), 1678 Lee Dr., Mountain View, Callf.

 DAVIS, JAMES H. (S'45-A'48-M'55), 1678 Lee Dr., Mountain View, Callf.

 DAVIS, JAMES N. (M'54-SM'56), Mgr., Electronics Prod. Dev., Coming Glass Works, Corning, N. Y.

 DAVIS, JAMES N. (M'50), V. P. Govt. Operations, Vertol Aircraft Corp., Morton, Pa.

 DAVIS, JAMES R. (S'56-M'57), Sr. Lab. Technician, Martin Co., Box 179, Denver 1, Colo.

 DAVIS, JAMES R., S'56-M'58), F. Analog Computer Engr., Chance Vought Aircraft, Inc., Box 5907, Dallas, Tex.

 DAVIS, JEROME T., JR. (M'58), Sr. Analog Computer Engr., Chance Vought Aircraft, Inc., Box 5907, Dallas, Tex.

 DAVIS, JOHN E. (S'56-M'59), 20-40, 20 St., Astoria, L.I., N.Y.

 DAVIS, JOHN E. (S'56-M'59), 2nd Lt., USAF, Box 2079, Edwards AFB, Calif.

 DAVIS, JOHN F. (S'49-A'51-M'56), V.P., Genesys Corp., 10131 Natl. Bivd., Los Angeles 34, Calif.

 DAVIS, JOHN H. (M'58), Elec. Engr., Transmitter, Electronic Communications, Inc., 1501, 72 St., N., St. PeterSburg, Fla.

 DAVIS, JOHN Systems, Inc., 1234 Air Wav. Glandale. Calif.
- Petersburg, Fla.

 DAVIS, JOHN J. (S'54-M'56), Electronics Engr., Aeronutronic Systems, Inc., 1234 Air Way, Glendale, Calif.

 DAVIS, JOHN S. (S'51-A'52), Mem. Tech. Staff, RamoWooldridge Div., 5500 El Segundo Blvd., Los Angeles 45,
 Calif.
- Calif.

 DAVIS, JOSEPH E. (S'50-A'52-M'57), Project Engr., Advanced Dev., Sylvania Elec., Prods., Inc., 254 Rano St., Buffalo, N.Y.

 DAVIS, JOSEPH I. (S'48-A'49-M'55-SM'57), Mgr., Missile & Test Sect., Hoffman Electronics, 3761 S. Hill St., Los Angeles 7, Calif.

- Hill St., Los Angeles 7, Calif.

 DAVIS, JOSEPH J. (S'4B-4'50), Elec. Engr., Sect. Leader, Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

 DAVIS, JOSEPH S. (A'4B-M'55), Prod. Engr., Whirlpool Corp., W. Center St., Marion, Ohio.

 DAVIS, KARL A. (A'55), Sr. Research Engr., Atomics Internati., 21600 Vanowen St., Canoqa Park, Calif.

 DAVIS, KENNETH E. (A'55), Prof., Physics, Reed College, Portland 2, Ore.

 DAVIS, KENNETH J. (A'55), Genl. Mgr., Internatl. Resistance Co., Ltd., 349 Carlaw Ave., Toronto, Ont., Canada DAVIS, KENNETH J. (M'58), Test Equipment Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthome, Calif.
- DAVIS, KENNETH S. (M'57), Instr., Stanford Univ., Stanford, Calif.
- Stanford, Calif.

 DAVIS, LEON B. (M'51-SM'58), Engr., AT&T Co., 195
 Broadway, New York 7, N.Y.

 DAVIS, LEWIS B. (SM'53), Genl. Mgr., Electronic Components Div., GE Co., Owenshore, Ky.

 DAVIS, LLOYD S. (A'56), Test Engrg. Technician, Philco Corp. of Canada, Ltd., Barber Green Rd., Don Mills, Ont.,

- DAVIS, LUTHER, JR. (SM'55), Program Dir., Solid State Physics, Raytheon Mg. Co., Waltham, Mass. DAVIS, MACK H. (M'5B), Electronics Specialist GS-9, USAF, 8rookley AFB, Ala.

- DAVIS, MALCOLM E. (A'55-M'57), Engr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif.
 DAVIS, MALCOLM G., JR. (S'52-A'54-M'57), Mem.
 Tech. Staff, Ramo-Wooldridge Corp., Box 90534, Alrport Sta., Los Angeles 45, Calif.
 DAVIS, MALCOLM R. (M'5B), Engr., The Rand Corp., 1700 Main St., Santa Monica, Calif.
 DAVIS, MANFRED (M'58), Head, Primary Standards & Calibration Lab., Genl. Precision Lab., Pleasantville, N.Y.

- N.Y.
 DAVIS, M. G. (M'59), Sr. Engrg. Rep., Curtiss-Wright Research Div., Quehanna, Pa.
 DAVIS, MARSHALLI, (M'59), Asst. Sect. Chief, Satellite Equipment Sect., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 DAVIS, MICHAEL M., JR. (SM'55), Special Projects Engr., GE Co., Syracuse, N.Y.
 DAVIS, MORTON C. (S'56-M'56), 2331 Ocean Ave., Brooklyn 29, N.Y.
 DAVIS, NOAH L., JR. (S'58-M'59), Engr., RCA, Moorestown, N.J.

- town, N.J.
 DAVIS, ORION R. (A'55-M'55), Subgroup Head, Ground
 Systems Group, Hughes Aircraft Co., Box 2097, Fullerton,
 Calif.
- Calif.

 DAVIS, PAUL D., JR. (SM'53), Sr. Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 DAVIS, RALPH T., JR. (S'53-M'55), Design Engr., Emerson Electric Mfg. Co., B100 W. Florissant Ave., St. Louis 21, Mo.
- DAVIS , RAYMOND (S'40-A'45-M'49-SM'55), Sr. Staff
- DAVIS, RAYMOND (S'40-A'45-M'49-SM'25), 5f. Staff Engr., Hughes Aircraft Co., Fullerton, Calif. DAVIS, RAYMOND W. (S'46-A'50-M'55), Secy., Monarch Corp., 2075 Williams St., San Leandro, Calif. DAVIS, RICHARD C. (4'1-SM'50), Mgr., Engrg., Heavy Equipment, ITT Labs., Clifton, N.J.
- DAVIS, RICHARD G. (A'50-M'56), Systems Engr., American Machine & Foundry Co., 149 S. Stratford St., Tucson,
- DAVIS , RICHARD J. (S'41-A'43-M'55), Engr., GE Co.,
- Syracuse, N.Y.
 DAYIS, RICHARD S. (A'55), Elec. Engr., RCA, Moorestown, N.J.
- COWIT, N.J.
 DAVIS, RICHARD W., JR. (S'47-A'48-M'53-SM'58),
 Project Mgr., Advance Radar Projects, RCA, Moorestown,
 N.J.
- DAVIS, ROBERT A. (A'52-SM'58), Group Supvr., Quality Assurance, Philco Western Dev. Lab., 3875 Fabian Way, Palo Alto, Calif.

- Assurance, Philo Western Dev. Lab., 3875 Fablan Way, Palo Alto, Calli.

 DAVIS, ROBERT B., JR. (A'54), ProJect Engr., Revere Corp. of America, Wallingford, Conn.

 DAVIS, ROBERT C. (S'51-A'52-M'5B), Exec. Engr., ITT Labs., Nutley 10, N.J.

 DAVIS, ROBERT E. (S'42-A'44-M'47), Mgr., Missile Instrumentation Sect., Litton Industries of Maryland, Inc., 5009 Calvert Rd., College Park, Md.

 DAVIS, ROBERT E. (SM'5B), Mgr., Solid State Electronics Engrg., Dept., Westinghouse Elec. Corp., 7325 Penn Ave., Pittsburgh B., Pa.

 DAVIS, ROBERT H. (S'50-A'51-M'56), Microwave Systems Engr., Motorola, Inc., 4545 W. Augusta Bird., Chicago 51, III.

 DAVIS, ROBERT J. (A'27-M'42-SM'43), Engr., Bendix Radio Div., Towson 4, Md.

 DAVIS, ROBERT J. (A'50-SM'57), Exec. V.P., Tektronix, Inc., Box B31, Portland 7, Ore.

 DAVIS, ROBERT L. (A'25-M'55), 535 Fountain Ave., Grand Rapids, Mich.

 DAVIS, ROBERT L. (S'56-M'58), Jr. Engr., Bendix Avlation Corp., North Hollywood, Calif.

 DAVIS, ROBERT P. (S'56-M'58), Instr., Drexel Institute of Technology, Philadelphia, Pa.

 DAVIS, ROBERT P. (S'56-M'58), Instr., Drexel Institute of Technology, Philadelphia, Pa.

 DAVIS, ROBERT P. (S'56-M'58), Instr., Drexel Institute of Technology, Philadelphia, Pa.

 DAVIS, ROBERT P. (S'56-M'58), Instr., Drexel Institute of Technology, Philadelphia, Pa.

 DAVIS, RODERICK C. (A'59), Engrg. Rep., Melpar, Inc., 3000 Artington Birdy., Falls Church, Va.

- DAVIS, ROBERT P. (S'56-M'58), Instr., Drexel Institute of Technology, Philadelphia, Pa.

 DAVIS, RODERICK C. (A'59), Engrg. Rep., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 DAVIS, RONALD E. (S'46-A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
- DAVIS, ROWLAND F. (A'40-M'55), Customer Tel. Prods. Planning Engr., AT&T Co., 195 Broadway, New York 7, N.Y.
- N.Y.
 DAVIS, RUDOLPH V. (A'59), Teletype Operator, Teletype
 Corp., 5557 Toughy Ave., Chicago, III.
 DAVIS, SAMUEL: (S'55-M'57), Engr., Clevite Ordnance,
 Clevite Research Center, 54D E. 105 St., Cleveland B,
 Ohio.
- DAVIS , SAMUEL (S'45-A'48-M'55), Engrg. Sales Mgr., Magnetic Amplifiers , Inc., 632 Tinton Ave., New York 55,
- M.T.

 DAVIS, SHIRLEY L. (M'43-SM'43), Treas., Davis & Tripp, Inc., 1 Bridge St., South Dartmouth, Mass.

 DAVIS, SIDNEY A. (A'51-M'56), Consulting Elec. Engr., S. A. Davis Co., 3 Ridge Rock Lane, East Norwich, L.I., N.Y.
- S. A. Davis Co., 3 Ridge Rock Lane, East Norwich, L.I., N.Y.

 DAVIS, STANTON E. (A'48), Electronics Maint., Westinghouse Elec. Com., 95 & Troost Sts., Kansas City, Mo. DAVIS, STERLING W. (S'55-M'57), Research Engr., Lockheed Missile & Space Div., 7701 Woodley, Van Nuys, Calif.

 DAVIS, STRAUD J. (M'59), Project Engr., Federal Electric Com., Paramus, N.J.

 DAVIS, THEODORE F. (M'5B), Asst. Dev. Engr., Burroughs Corp., Paoli, Pa.

 DAVIS, THOMAS D. (S'54-M'58), Engr., Sperry Utah Engra. Lab., 322 N. 21, W., Salt Lake City, Utah.

 DAVIS, THOMAS I. (S'55-M'5B), Engr., Natl. Bureau of Standards, Boulder, Colo.

 DAVIS, THOMAS McL. (M'28-SM'43-F'56), Retired, 4302 Brandywine St., N.W., Washington 16, D.C.

 DAVIS, THOMAS R. (A'53), Engr., Melpar, Inc., 3000 Arington Blvd., Falls Church, Va.

 DAVIS, TRENT E. (S'57-M'5B), Hobby Horse Lane & Lee

- Arlington 8Ivd., Falls Church, Va.
 DAVIS, TRENT E. (S'57-M'5B), Hobby Horse Lane & Lee
 Way, Milford, Ohio.
 DAVIS, VERNON E. (A'51), Jr. Electronics Engr., Sun Oil
 Co. (Seismograph), Lock Drawer 2B31, Beaumont, Tex.
 DAVIS, VIRGIL M. (A'51-5M'54), Group Engr., Martin
 Co., Box 179, Denver, Colo.
- DAVIS, VIRGINIA L. (S'56-M'57), Engr., Martin Co., Orlando, Fla.
- lando, Fla.

 DAVIS, WALLACE B. (M'5B), Radio & TV Instr., Devry Tech. Institute, Toronto, Ont., Canada.

DAVIS, WALTER L. (A'43-M'55), Consulting Engr., George C. Davis Consulting Engrs., Radio-Television, 504 Munsey Bidg., Washington, D.C.

DAVIS, WALTER M. (S'47-A'50-M'55), Engrq., Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

DAVIS, WARREN F. (A'59), Repair Technician, Walpole Radio Co., 209 Washington St., Walpole, Mass.

DAVIS, WARNEN F. (A'59), Repair Technician, Walpole Radio Co., 209 Washington St., Walpole, Mass.

DAVIS, WANNE K. (S'48-A'49-M'55), Engr., Librascope, Inc., 610 Rodier Dr., Glendale, Calif.

OAVIS, WILLIAM G. (A'54-M-166), Electronics Engr., White Sands Missile Range, N. M.

OAVIS, WILLIAM J. (S'46-A'48-M'48-SM'57), Assoc. Prof., Elec. Engrg., Ohio State Univ., Columbus, Ohio.

DAVIS, WILLIAM J. (A'47), Supply Specialist, FAA, Washington ZS, O.C.

DAVIS, WILLIAM J. (S'51-A'52-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

DAVIS, WILLIAM J. (M'54), Prod. Dev. Mgr., Polymer Corp., 126 N. 5 St., Reading, Pa.

DAVIS, WILLIAM W. (M'54), Sect. Supvr., Remington Rand Univac, St. Paul, Minn.

OAVISON, BEAUMONT (M'57), V.P., Industrial Electronic Rubber Co., 31945 Aurora Rd., Solon, Ohio.

DAVISON, BEAUMONT (M'57), V.P., Industrial Electronic Rubber Co., 31945 Aurora Rd., Solon, Ohio.

DAVISON, CHARLES R. (S'57-M'58), Field Engr., Hughes Aircraft Co., Culver City, Calif.

DAVISON, CHARLES R. (S'57-M'57), Elec. Engr., Electric Boat Div., Groton, Conn.

DAVISON, FREDERICK A. (S'49-A'51-M'54), Principal Engr., Federic Boat Div., Groton, Conn.

DAVISON, FREDERICK A. (S'49-A'51-M'54), Principal Engr., Radar Dept., Bendix Radio Div., Joppa Rd., Towson, Md.

Engr., Radar Dept., Bendix Radio Div., Joppa Rd., Towson, Md.

DAVISON, RALPH E. (S'49-A'52), Field Engr., Hughes Aircraft Co., Culver City, Caili.

DAVISON, ROBERT D. (A'54), Asst. Mgr., Research Personnel, IBM, Poughkeepsie, N.Y.

DAVISON, WAYNE (S'56-M'57), Engr., Collins Radio Co., Cedar Rapids, Iowa.

DAVISSON, R. RAYMOND (A'53), Sales Engr., Computer Dept., GE Co., 1103 N. Central Ave., Phoenix, Ariz.

DAVITT, JAMES H. (SM'57), FTT 3A-JUSMMAT, APD 254, New York, N.Y.

D'AVOLA, SALVATORE B. (M'5B), Group Leader, Genl. Precision Lab., Pleasantville, N.Y.

DAVY, ALEXANDER S. (S'57-A'57), Customer Engr., IBM, Ltd., 600 Eglinton, Ave., E., Toronto, Ont., Canada.

DAVY, LOUIS H. (S'45-A'46-M'55), Assoc. & Elec. Engr., Louis Graham & Associates, 292B Adeline St., Berkeley 3, Calif.

DAVY, SAMUEL J. (SM'56), Mgr., Field Operations, Ama Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

DAW, EDWARD H. (A'55), Field Engr., O'Halloran & Associates, 252 San Antonio Rd., Palo Alto, Calif.

DAWE, FRANK W. (A'31-M'55), Mgo. Dir., Dawe instruments Lift 99 livinge Bd. Engr. Dave Wester Wester.

DAWE, FRANK W. (A'31-M'55), Mng. Dir., Dawe In ments, Ltd., 99 Uxbridge Rd., Ealing, London, WS, England.

ments, Ltd., 99 Uxbridge Rd., Eallin, London, W5, England.

DAWES, E. JOHN (SM'50), Engrg. Mgr., Plessey Internat! Ltd., Ilford, Essex, England.

DAWES, MOWARD H. (A'31-M'45), Service Mgr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

DAWES, TRAVIS J. (A'54), Chmn., The Latlmer Engrg. Co., 50 Bard Rd., Latimer Rd., London, W. 10, England.

DAWIRS, TRAVIS J. (A'54), Chmn., The Latlmer Engrg. Co., 50 Bard Rd., Latimer Rd., London, W. 10, England.

DAWIRS, NORMAN L. (S'56-M'59), Electronics Engr., Convair, Pomona, Calif.

DAWIRS, NORMAN L. (S'56-M'59), Electronics Engr., Convair, Pomona, Calif.

DAWINS, LACY L. (A'4B-M'52-SM'53), Field Engr., Electronics, American Machine & Foundry, Co., 251 Madison Ave., New York 16, N.Y.

DAWLEY, JAMES R., JR. (M'47), Dept. Mgr., Instrument Systems, Lockheed Missiles & Space Div., Palo Alto, Calif.

DAWSON, ALLEN W. (A'49-M'55), Pres., D. & R., Ltd., 402 E. Gutierre St., Santa Bardara, Calif.

DAWSON, ALLEN W. (A'49-M'55), Pres., D. & R., Ltd., 402 E. Gutierre St., Santa Bardara, Calif.

DAWSON, CHARLES H. (SM'57), Prof. & Head, Elec. Engrg. Dent., Univ. of Rhode Island, Kingston, R.I.

DAWSON, EDWARD C. (M'55), Sr. Engr., Sylvania Elec. Prods., Inc., Box 1BB, Mountain View, Calif., BAWSON, HENBERT E. (A'53), 6BOB Braddock Rd., Alexandria. Vale.

Lansdowne Ave., Toronto 9, Oni., Canada.

DAWSON, HERBERT E. (A'53), 6BOB Braddock Rd.,
Alexandria, Va.

DAWSON, J. BRUCE (S'52-M'55), Sales Engr., Ampex
Corp., 934 Charter St., Redwood City, Calif.

DAWSON, JOE E. (S'57-M'5B), 2nd Lt., USAF, Det. 29
613 AC&W Sqdn., P. A. F., APO 914, San Francisco,
Calif.

Calli.

DAWSON, JOHN W. (A'39-SM'52-F'55), Mgr., Prod. Engrg. Detr., D. S. Kennedy & Co., Cohasset, Mass.

DAWSON, JOHN W. (S'53-A'55), Service Mgr., Packard Instrument Sales Corp., 8550 W. 43 St., Lyons, Ill.

DAWSON, LEE R. (M'53-SM'53), Asst. Chief, Field Operating Div., FCC, Washington 25, D.C.

OAWSON, OSCAR D. (A'51), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

OAWSON, PETER F. (S'50-A'52-M'57), Dev. Engr., Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif.

DAWSON, ROBERT W. (A'54-M'55), Assoc. Mem, Tech. Staff, Bell Tel. Labs., Box 1D7, Red Bank, N.J.

Hughes Aircraft Co., Box 90902, Airport Sta., Los Angeles 45, Calif.

DAWSON, STANLEY R. (M'54-SM'5B), Contract Dir.,

Angeles 45, Calif.

DAWSON, STANLEY R. (M'54-SM'5B), Contract Dir., Space Flight Div., Martin Co., Baltimore 3, Md.

DAWSON, SYLVAN L. (M'57), Engr., Collins Radlo Co., Cedar Rapids, Jowa.

DAWSON, THOMAS F. (S'57-M'5B), Field Engr., Hazeltine Electronics Corp., Little Neck 62, L.1., N.Y.

DAWSON, WILLIAM C. (A'56), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

DAX, PETER R. (M'57), Fellow Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

DAY, ALEXANDER G. (M'5B), Exec. Engr., TV Dent., Famous Players Canadian Corp., 1300 Royal Bank Bidg., Toronto 1, Ont., Canada.

DAY, BERNARD E. (M'5B), Design Engr., GE Co.,

OAY, BERNARD E. (M'58), Design Engr., GE Co., Schenectady, N.Y.

DAY, CHARLES E. (A'37-M'44), Research Engr., Geo-physical Research Comp., 136 Mohawk Blvd., Tulsa 6, Okla.

Okla.

DAY, CHESTER M., JR. (M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

DAY, CLIFFORD A. (S'55-M'57), Test Engr., The DeHavilland Aircraft of Canada, Ltd., Guided Missile Div., Oownsview, Ont., Canada.

DAY, DONALD II. (A'55), Asst. Sr. Engr., Bendix Aviation Corp., Box 1159, Kansas City 41, Mo.

DAY, FRANK R. (SM'57), Mfg. Engr., Electronic Communications, Inc., Maritime Base, St. Petersburg, Fla.

DAY, GEORGE (A'36-M'44-SM'46), Consulting & Research Lab. CE.

DAY, HAROLD R. (SM'57), Physicist, Passagch Lab. CE.

DAY, HAROLD R. (SM'57), Physicist, Research Lab., GE Co., Schenectady, N.Y. DAY, HOWARD M. (M'57), Physicist, Naval Research Lab., Washington 25, D.C.

Washington 23, J.C.
DAY, JACK E. (A'50), Tech. Asst., Tektronix, Inc., Box
B31, Portland 7, Ore.
DAY, JDE G. (S'49-A'51-M'5B), Electronics Scientist,
Wright Air Development Center, Wright-Patterson AFB,

DAY, JOHN B. (A'54), Field Engr., RCA Service Co., Camden B, N.J.

DAY, JOHN B. (A'54), Field Engr., RCA Service Co., Camden B, N. J.
DAY, JOHN L. (A'42-M'50), Engr., Elec. Test. Planning, Western Electric Co., N. Main St., Burlington, N.C.
DAY, JOHN P. (M'47), Engr., Lockheed Missilte & Space Div., Palo Alto, Calif.
DAY, JOHN T., JR. (S'55-M'57), Favettæville. Ga.
DAY, JOHN T., JR. (S'55-M'57), Favettæville. Ga.
DAY, JOHN W. B. (M'56). Defence Scientific Service Officer, Defence Research Telecommunications Est., Shirley Bay, Ottawa, Ont., Canada.
DAY, LAWRENCE R. (M'53), Project Engr., Barkley & Dexter Labs., Inc., 50 Frankfort St., Fitchburg, Mass.
DAY, PAUL F. (A'55-M'59), Asst. to Pres., Tapetone, Inc., 10 Ardiock Pl., Webster, Mass.
DAY, RALPH T., JR. (S'4B-A'52-M'57), Engr., KMOX-TV, Div., Columbia Broadcasting System, 1215 Cole St., St. Louis 6, Mo.
OAY, RICHARD A. (S'50-A'53), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
DAY, ROBERT C. (M'56), Staff Engr., IBM. Endicott, N.Y. DAY, ROBERT F. (M'57), Engr., 'A', RCA, Moorestown, N.J.

DAY, ROBERT G. (A'49-SM'55), Engr., GE Co., Syracuse,

DAY, ROBERT W. (S'57-M'59), Elec. Engr., GE Co., Patrick AFB, Fla.

Partick APD, Fla.

DAY, SAMUEL M. (A¹53), Engr., Stromberg-Carlson Co.,
1895 Hancock, San Diego 12, Calif.
DAY, M. BALDWIN (4'42-M'55), Research Engr., Sperry
Microwave Electronics Co.. Box 1828. Clearwater, Fla.
DAY, WALTER J. (A'4-M'55), Mgr., Hustler Contracts,
Raytheon Mfg. Co.., Waltham 54, Mass.

DAY, WALTER R., Jr. (S'52-A'54-M'5B), Research & Dev. Engr., Sperry Electronic Tube Div., Gainesville, Fla.

Fla.
OAY, WILLIAM R. (S'55-M'57), Elec. Engr., Martin Co., Orlando, Fla.
DAY, WILLIAM R. (M'59), Prod. Design Engr., Boeing Airplane Co., 3BO1 S. Oliver, Wichita I, Kan.
DAY, WILLIS E. (S'5B-M'5B), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.
DAY, WITHROP J. (M'57), Supvr., Test Equipment Engrg., Texas Instruments, Inc., Box 312, Oallas 21, Tex.
DAYKIN, DONALD R. (A'49-M'55), Dev. Engr., IBM, Endicott, N.Y.

Endicott, N.Y.

DAYMON, DON W. (M'5B), Owner, Daymon Radio Service,
417 6 St., Findlay, Ohio.

DAYOT, VIVENCIO D. (S'42-A'44-M'55), Prof., Elec.
Engra., State Univ. of Washington, Pullman, Wash.

DAYTON, FORREST R. (A'47-M'55), Design Supwr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

DAYTON, MICHAEL S. (M'5B), Owner, Dayton Associates,
11B W. 1st St., Dayton 2, Ohio.

DAYTON, WILBUR P. (A'52-M'54), Contract Engr., Natl.
Scientific Labs., Inc., 2010 Massachusetts Ave., N.W.,
Washington 6, D.C.

DAZEY, MITCHELL H. (S'43-A'49-M'55-SM'5B). Mem

Scientific Labs., Inc., 2010 Massachusetts Ave., N.W., Washington 6, D.C.

DAZEY, MTCHELL H. (S'43-A'49-M'55-SM'5B), Mem. Tech., Staff, Space Technology Labs., Box 95002, Los Angeles 45, Calif.

DEA, DAVID Y.F. (M'54-SM'56), Staff Engr., Hughes Aircraft Co., Culver City, Calif.

DEABLER, LAURENCE T. (M'57), Mgr., Engre. Education, IBM, Poughkeepsie, N. Y.

DEACON, F. WILLLIAM (A'53), Sales Reo., Adams Engre., Ltd., 1994 Avenue Rd., Toronto, Ont., Canada.

DEACON, NEWELL E. (A'45-M'55), Oev. Engr., Burroughs Research Center, Paoli, Pa.

DEADERICK, CEORGE E. (M'55), Genl. Mfg. Supt., Diode & Rectifier Dept., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas 6, Tex.

DE AGAZIO, EMIL, JR. (S'47-A'49-M'55), Staff Mem., Lab. for Nuclear Science, MIT, Cambridge 39, Mass.

DEAKIN, GERALD (A'16-VA'39)(L.), Retired, Harbor Rd., Harbor Acres, Sands Point, L.I., N.Y.

DEAKINS, GLENN E. (S'41-A'44-M'55-SM'5B), RCA Service Co., Riverton, N.J.

DEAL, ALAN W. (M'57), Jr., Engr., Standard Telephones & Cables, Ltd., Oxfeinber, M. J.

OEAL, ALANW. (M'57), Jr. Engr., Standard Telephones & Cables, Ltd., Oakleigh Rd., New Southgate, London, N. 11, England.

OEAL, DOUGLAS L. (S'48-A'50-M'55), Systems Planning Engr., GE Co., Syracuse, N.Y. DEAL, HARMON B. (M'36-SM'43), Engr., RCA, Moores-

town, N.J.

DEAL, JAMES B., JR. (A'4B-M'55), Staff Mem., Engr.,
Los Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

OEAL, JOSEPH H. (A'57), Owner, Joe's Radio Shop, 67-69
S. Pearl St., Bridgeton, N.J.

OEALY, MERLIN E. (S'56-A'57), Electronics Scientist,
U.S. Naval Ordnance Lab., Corona, Calif.

DEAM, ANDREW P. (M'51), Research Engr., Elec. Engrg.
Research Lab., Univ. of Texas, Box BD26, University Sta.,
Austin, Tex.

OEAN, CHARLES E. (A'29-M'36-SM'43), Editor & Consulting Engr., Hazeltine Research Corp., Little Neck 62,
L.I., N.Y.

OEAN, CHARLES F. (S'57-M'59), Field Engr., Automatic Fire Control, Hughes Aircraft Co., Culver City, Calif.
DEAN, CHARLES M. (A'46-M'55), Project Engr., Pratt & Whitney Aircraft, East Hartford, Conn.
DEAN, FRANK A. (A'55), F. Engr., The Johns Hopkins Apolied Physics Lab., Silver Spring, Md.
DEAN, FRANKLIN R. (A'49-M'55), Chief Engr., Computer Control Co., Inc., 92 Broad St., Wellesley 57, Mass.
OEAN, HOWARD C., (A'56), Engr., Broadcasting Sta. CKCK, Regina, Sask., Canada.
DEAN, HOWARD G., JR. (M'52), Research Engr., Engrg. Experiment Sta., Georgia Institute of Technology, Atlanta 13, Ga.
DEAN, JAMES C. (S'50-A'53-M'59) C. Emp.

Experiment Sta., Georgia Institute of Technology, Atlanta 13, Ga.

DEAN, JAMES C. (S'50-A'53-M'58), Sr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.

DEAN, JAMES T. (S'56-M'58), Research Asst., Magnolia Petroleum Co., Box 900, Dallas 21, Tex.

DEAN, JOHN E. (M'46), Prof. & Head, Dept. of Elec. Engr., Colorado State Univ., Ft. Collins, Colo.

DEAN, JOSEPH P. (A'44-M'55), Research & Dev. Engr., CBS, 1313 Vine St., Hollywood 2B, Calif.

DEAN, JENNETH W. (M'51), Mgr., Prod. Engrg. Areas, IBM, Poughkeepsie, N. Y.

DEAN, JEANNETH W. (M'51), Mgr., Prod. Engrg. Areas, IBM, Poughkeepsie, N. Y.

DEAN, JEANSHALL H. (A'57), Aviation Electrician Chief, ATKRON 65 USN, FPO, San Francisco, Calif.

DEAN, MARSHALL H. (A'57), Aviation Electrician Chief, ATKRON 65 USN, FPO, San Francisco, Calif.

DEAN, MARVIN A. (A'51-M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L. 1., N. Y.

DEAN, MEAL J. (S'64-A'47-M'50-SM'53), Regional Dir., Electronic Data Processing, Booz, Allen & Hamilton, 380

Madison Ave., New York T. Y. N. Y.

DEAN, ROBERT J. (A'54), Field Engr., RCA Service Co.,

DEAN, ROBERT J. (A'54), Field Engr., RCA Service Co., Camden, N. J.

Canden, N. J.

DEAN, WALTER N. (S'41-A'42-M'55), Engrg. Sect. Head,
Sperry Gyroscope Co., Great Neck, L. I., N. Y.

DEAN, WILLIAM A. (A'56), Asst. Engr., Magnavox Co.,
Bueter Rd., Ft. Wayne, Ind.

December No., Ft. Wayne, Ind.
DEAN, WILLIAM B. (A'47), Pres., Industrial Electronic
Supply Corp., Needham Heights 94, Mass.
DEAN, WILLIAM C. (S'50-A'53-M'58), Geophysicist, Gulf
Research & Development Co., Drawer 2038, Pittsburgh 30,
Pa.

Pa,
DEAN, WILLIAM W., (A'43-SM'46), Mgr., Hi-Fi Components Engro., GE Co., Aubum, N. Y.
DEAN, WILLIAM W. H., (S'37-VA'39-M'45-SM'47),
Mktg. Mgr., Atomic Energy Div., Canadian Westinghouse
Co., Ltd., Hamilton, Ont., Canada.

DE ANDRADE, WILSON C., (M'46), Design Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.

DE ANGELIS, DOMENIC P. (S'56-M'59), Design Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y. DEANS, WILLIAM L. (A'49), V. P., The Teclinical Materiel Corp., Mamaroneck, N. Y.

DEANS, WILLIAM L. (A'49), V. P., The Technical Materiel Corp., Mamaroneck, N. Y.

DEARBORN, FRANK K. (A'42-M'4B), Electronics Scientist, Geophysics Corp. of America, 700 Commonwealth Ave., Boston 15, Mass.

DEARDEN, ZIBA T. (M'5B), IBM, Owego, N. Y.

DEARDORFF, RALPH W. (A'14-5M'44-F'51), Retired, 1B31 N. W. Ramsy Dr., Portland 10, Ore.

DEARDS, SIDNEY R. (M'55), Lecturer in Circuit Theory, Dept. of Aircraft Elec Engr., College of Aeronautics, Cranifield, Bletchtey, Bucks., England.

DEARING, MORTON (S'50-A'54), Elec. Engr., Western Electric Co., Winston-Salem, N. C.

DEARLE, RAYMOND C. (SM'44), Research Prof., Dept. of Physics, Univ. of Western Ontario, London, Ont., Canada. DEARNESS, JOHN L. (A'56), TechRep., Instr., Northrop Aircraft, Inc., Hawthome, Calif.

DE ARRIDDA, PAULO R. (A'41), Prof., Catedratico de Electrotecnica Geral, Escola Politenica da Universidade de Sao Paulo, Praca Fernando Prestes, n. 74, Sao Paulo, Brazil.

DEARTH, GERALD E. (S'55-M'56), Engr., No. Amer.

DEARTH, GERALD E. (S'55-M'56), Engr., No. Amer. Aviation, Columbus, Ohio.

DEAS, JAMES M. (S'54-M'5B), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

DEAUX, FREDERICK J. (S'50-A'51-M'56), Flight Test & Research Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.

DEAVENPORT, JOE E. (M'55), V.P., Engrg., Electro Instruments, Inc., 3540 Aero Ct., San Diego 11, Calif. DEAVER, JOHN M. (S'55-A'57), Chief, Procurement Sub-section, Calibration & Inspection, USCG, 706 Times Bldg., Long Beach, Calif.

Long Beach, Calif.

DE BAKER, JAMES L. (S'57-M'58), Test & Dev. Engr., Chryster Missile, Box 262B, Detroit 31, Mich.

DE BARBER, JOHN P. (M'56-SM'5B), Sr. Engr., Raymond & Brown, Inc., State College, Par., Haller, Raymond & Brown, Inc., State College, Par., Design Engr., Assoc., AiResearch Mfg. Co. of Arizona, 402 S. 36 St., Phoenix, Ariz.

DE BAUN, JAMES R. (A'49), Mgr., Tech. Services, Pacific Div., NBC, 3000 W. Alameda, Burbank, Calif.

de BEER, BARON C. (M'56), Mgr., Closed Circuit T. V. Applications Div., Rediffusion, Inc., 6301 Park Ave., Montreal B., P. Q., Canada.

Montreal B, P, Q., Canada OE BELL, JOHN M., JR. (A'48-M'55), Project Engr., Allen B. DuMont Labs., Inc., 35 Market St., East Paterson, N.J.

OE BERAROIS, ANTHONY J. (S'55-M'57), Sr. Production Engr., Lansdale Tube Co. Div., Philos Corp., Spring City,

OE BERRY, DAVIO R. (S'57-M'59), 219 1/2 W. Market St., Xenia, Ohio.

OE BETTENCOURT, JOSEPH T. (A'50-M'55-F'59), V.P., Research & Oev., O.S. Kennedy & Co., 155 King St., Cohasset, Mass.

Conasset, Mass.

DE BIASE, RAYMONO G. (M'56), Engrg. Analyst, GE Co., Schenectady 5, N.Y.,

OE BIVAR, A. M. B. (SM'44), Tech. Oir., Emissora Nacional de Radiodifusao, 2 Rua do Quelhas, Lisbon, Portugal.

Portugal

OE BLASIO, CONRAD G. (S'41-A'43), Chief Engr.,
Electronic Measurements Co., Inc., Lewis St. &
Maple Ave., Estontown, N.J.

DE BLOCK, E., TERENCE (S'52-A'54-M'59), Sales Rep.,
Westinghouse Elec. Corp., Electronic Tube Div., 53B N.
Broadway, Milwaukee 2, Wis.

- DE BLOIS, STEPHEN W. (M'46), Export Mgr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass. DE BOER, JAN J. (A'47-M'56), Mgr., Central America Westrex Co., Caribbean, Ave. 5 a Cuba, No. 32-14, Panama City, Republic of Panama
- Panama City, Republic of Panama,

 DE BOLT, ARTHUR L. (S'47-A'50-M'5B), Project Supvr.,

 Test Equipment Engra, Hughes Aircraft Co., Tucson, Ariz.

 DE BOLT, HAROLD E. (S'47-A'50), Mgr., Nuclear Instrumentation Deet., Fairchild Camera & Instrument Corp.,

 Syosset, Li., N.Y.

 DE BORD, MARVIN J. (S'49-A'50), Sr. Electronics Engr.,

 BJ Electronics, Borg-Warner Corp., 3300 Newport Blvd.,

 Santa Ana, Calif.

 DE BOTH RAYMONG.

- Santa Ana, Calif.

 DE BOTH, RAYMOND F. (S'51-A'53-M'5B), Engr., Zenith Radio Corp., 6001 Dickers Ave., Chicago, Ill.

 DE BRAGGA, JOSEPH W. (A'57), CBS, Internati., 46 E. 52 St., New York, N.Y.

 DE BRITTO-PEREIRA, M. P. (M'46), Tech. Dir., Industrias Metalux Limitada, Rua 17 de Fevereiro, 40B, Rio de Janeiro, Brazil.

 DE BROGERET LANGE C. (SESTIMA

- DE BROEKERT, JAMES C. (S'55-M'57), Research Assoc., Stanford Univ., Stanford, Callf.

 DE BRUYN, PETER R. (M'56), Staff Engr., Arthur D. Little, Inc., 20 Acom Park, Cambridge 40, Mass.

 de BRUYNE, PIETER (A'59), Production Mgr., Tracerlab (Holland), N. V., 242 Herengracht, Amsterdam, Holland, DEBS, ROBERT J. (SM'59), Engr., Socialist, Sylvania Elec., Prods. Inc., Palo Alto, Calif.

 DEBSK, JAN M. (M'51), Staff Engr., Commercial Engrg., Raytheon Mfg. Co., Waltham 54, Mass.

 DE BUSK, WILLIAM H. (A'55), Traffic Engr., Mountain States Telephone & Telegraph Co., 510 Texas, El Paso, Tex.

 DE CAMILLIS MACON (SISO-ALS-2-MIS4), Porton Socialist, Parton De Camillis Macon (SISO-ALS-2-MIS4), Porton De Camillis Macon (SIS

- Raytheon Mfg. Co., Waitham 54, Mass.

 DE BUSK, WILLIAM H. (A'55), Traffic Engr., Mountain States Telephone & Telegraph Co., 510 Texas, El Paso, Tex.

 DE CAMILLIS, MASON (S'50-A'52-M'56), Design Engr. Leader, RCA, 6545 St. Antoine, Detroit, Mich.

 DE CAMP, PAUL W. (A'53), Supy. Electronics Engr., Wright-Patterson AFB, Ohio.

 DE CARLO, ANTHONY P. (S'48-A'52-M'57), Research Investigator, Institute of Cooperative Research, Univ. of Pennsylvania, 200 S. 33 St., Philadelphia 4, Pa.

 DE CASTRO, ELVE M. (S'55-M'58), Electronics Engr., Institute of Pensylvania, 200 S. 33 St., Philadelphia 4, Pa.

 DE CASTRO, ERVE M. (S'55-M'58), Electronics Engr., Institute of Pensylvania, 200 S. 100, Philadelphia 4, Pa.

 DE CASTRO, ERVE M. (S'55-M'58), Electronics Engr., Institute, Viale Risorgimento 2, Bologna, Italy.

 DE CESARC, JOSEPH F., JR. (A'57), Field Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 DE CHAMBRIER, PIERRE (M'54), Assearch Engr., Schlumberger Well Surveying, Inc., Box 550, Ridgefield, Conn. DECHO, KENNETH R. (A'50-M'54), Sales & Engr., Regional Mgr., Entertainment Semiconductors, Raytheon Mfg. Co., 9501 W. Grand Ave., Franklin Park, Ill.

 DECK, GORGE J. (A'52), Lab. Instr., De Vry Technical Institute, 4141 W. Belmont, Chicago 41, Ill.

 DECK, GORGE J. (A'57), Elec. Engr., Philico Western Development Labs., 3875 Fabian Way, Palo Alto, Calif.

 DECKER, BERT J. (A'57-M'57), Elec. Engr., Electro-Development Corp., 3939 University Way, Seattle 5, Wash.

 DECKER, DANIEL A. (S'54-M'57), Elec. Engr., Electro-Development Corp., 3939 University Way, Seattle 5, Wash.

 DECKER, DANIEL A. (S'54-M'57), Elec. Engr., Electro-Development Corp., 3939 University Way, Seattle 5, Wash.

 DECKER, DANIEL A. (S'55-M'57), Elec. Engr., Electro-Development Corp., 3939 University Way, Seattle 5, Wash.

 DECKER, CONALO M. (S'49-M'55), Sr. Flight Test Instrumentations, USAF, Walker AFB, N.M.

 DECKER, CONALO M. (S'56-M'57), Elec. Engr., Electro-Development Corp., 3939 University Way, Seattle 5, Wash.

 DECKER, CONALO M. (S'56-M'57) Cheswick, Pa.

 DECKER, RICHARD W. (M'57), Project Leader, Tube Dev., Westinghouse Elec. Corp., Buelah Rd., Pittsburgh 35, Pa.

 DECKER, ROBERT H. (S'48-A'49-M'55), Project Engr., Crosley Div., Avoo Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
 - DECKER, SAUL M. (A'45-M'55), Chief Engr., New Prod. Dev., The Magnavox Co., 4160 South Dr., Ft. Wayne, Ind.

 - DECOF, DONALD N. (S'54-M'57), Project Engr., Intelligent Machines Research Corp., Edsall Rd., Alexandria, Va DE COLA, RINALDO E. (A'37-SM'43-F'57), Mgr., Radio-Phono Div., Warwick Mfg. Co., 7300 N. Lehigh Ave., Niles. III

 - Niles, III.

 DE COLIGNY, GUERRIC (A'52-M'53), Ingenieur en Chef
 de L'Air (Col.), French Air Ministry, Electronics Service
 (S.T.T.A.), Paris, France.

 DE COSTANZO, JOSEPH R. (S'54-A'56), Tech. Asst.,
 Dell Tel. Labs., Murru, IIII, N.J.

 DE COUTOULY, GUSTANEC (M'57-SM'57), Electronics
 Scientist, Interdisciplinary Physicist, USN Mine Defense
 Lab., Panama City, Fla.

 - DE CREDICO, RAYMOND J. (S'53-A'55), Elec. Engr., RCA, Camden, N.J.
 DE CRISTOFORO, E MILIO J. (A'56), Mgr., Sam The Batteryman, 1339 Highland St., Hollywood 28, Calif.

- DECTROW, TEFIUS X. (M'52), Project Engr., 1921
 Foster St., Philadelphia 14, Pa.
 DE CUBAS, JOSE D. (A'49-M'55), V.P., Departamento
 Tecnico, "Serviclo Radio Movil, S.A.," Aptdo. 134,
 Guanabacoa, Habana, Cuba.
 DE CUIR, LAURENCE E. (S'47-A'50-M'55), Sr. Weapon
 System Engr., System Development Corp., 2500 Colorado,
 Santa Monica, Calif.
- DE DELARA, GERTRUDIS K. (A'43-M'55), Mgr. & Design Engr., Instrumentos de Precision, Cadetes Del 47, No. 4, Mexico, D.F.

- Engr., Instrumentos de Precision, Cadetes Del 47, No. 4, Mexico, D.F.

 DEDICH, JOHN J. (S'57-M'59), 1313 'M' St., S.W., Cedar Rapids, Iowa.

 DE DIEMAR, JERRY L. (SM'54), Design Specialist, Convair, Pomora, Calif.

 DE DOMINICIS, CARLO M. (A'48), V.P., Fantini Cosmi S.A., Via Mecenate 75, Milano, Italy.

 DE DUFOUR, WILLIAM F. (S'49-A'50), Engr., GE Co., Syracuse, 6, N.Y.

 DEE, HAROLD E. (A'46), Design Engr., USN, Bureau of Ships, Washington 25, D. C.

 DEE, PAUL L. (M'58), Project Engr., Semiconductor Prods. Dept., GE Co., Syracuse, N.Y.

 DEE, GDWARD P. (M'57), Component Evaluation, Remington Rand Univac, St. Paul 16, Minn.

 DEGGAN, GEORGE M. (M'56), Electronics Technician, Electronic Maint., Air Navigational Aids, FAA, Elmira, N.Y.

 DEE, Markhieston.
- DEEGAN, THOMAS E. (S'55-M'57), 50 E. WashIngton, Homell, N.Y.
- Homell, N.Y.
 DEEKEN, JOSEPH W. (A'48-M'55), Project Engr.,
 Aerial Reconnaissance Lab., Wright-Patterson AFB, Ohio
 DEELEY, A., RONALD (A'40-M'55), Dev. Engr., Marconi's
 Wireless Telegraph Co., Ltd., New St., Chelmsford, Essex,
- Wireless Telegraph Co., Lto., New St., Ottomoscher, St., England.

 DEELEY, PAUL M. (A'39-SM'43), Exec. V. P. & Dir., Cornell-Dubilier Elec. Corp., 333 Hamilton Blud, , South Plainfield, N. J.; Pres., Cornell-Dubilier Elec. Internatl. Corp., 2 Broadway, New York 4, N.Y.; V.P., The Rasiart Corp., 3455 Vega Ave., Cleveland 13, Ohlo DEELY, RICHARD M. (S'56-M'58), Assoc. Engr., W.L. Maxson Corp., 475 W. 345 t., New York, N.Y. DEEMER, ROBERT W. (M'59), Philadelphia District Mgr., Cambridge Instrument Co., Inc., 479 Old York Rd., Jenkintown, Pa.

- town, Pa.
 DEEN, JAMES R. (S'42-A'45-M'52), Staff Specialist-Systems Engr., Gliffilian Bros., Inc., 1815 W. Venice Blvd., Los Angeles 6, Calif.
 DEERFIELD, ALAN J. (A'54), Computer Systems Engr., Datamatic Div., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton, Mass.
- DEERHAKE, F. MARVIN (A'40-M'44-SM'46), Unit Mgr., Computer Engrg., GE Co., 13430 Black Canyon Hwy., Phoenix, Ariz.

- Phoenix, Ariz.

 DEERHAKE, WILLIAM J. (A'49-SM'55), Sr. Engr., IBM Research, Box 218, Yorktown Helphts, N.Y.

 DEERING, C. SCOTT (A'55-M'56), Sr. Aerophysics Engr., Convair, Ft. Worth, Tex.

 DEES, J. WORTH (S'54-M'56), Microwave Engr., ITT Labs., 3702 E. Pontiac, Ft. Wayne, Ind.

 DETER, C. ROBERT (A'48-M'49), Consultant, Reliability Engr., Div., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

- Columbus 1, Ohio.

 DE FALCO, NICHOLAS J. (M'56), Genl. Quality Control
 Dept. Mgr., Allen B. DuMont Labs., Inc., 35 Market St.,
 East Paterson, N.J.

 DEFANDORF, JOHN P. (S'54-M'56), Field Engr. Sylvania
 Elec. Prods., Inc., Woburn, Mass

 DEFENBACH, ROY W. (M'57), Mem. Tech. Staff, Space
 Technology Labs., Box 95001, Los Angeles 45, Calif.

 DE FIGUEIREDO, RUI J. P. (S'54-M'59), Head, Physics
 Dept., Lab. for Nuclear Physics & Engrg., Scavem,
 Portugal.

 DEFILIPPIS. LIBEROS M. (S'54-M'56). Consultant Light
- DEFILIPPIS, LIBEROS, M. (S'54-M'56), Consultant, Libero S. M. Defilippis, 1393 St. John's PI., Brooklyn 13, N.Y.

- bero S. M. Defilippis, 1393 St. John's Pl., Brooklyn 13, N.Y.

 DEFLORIA, ROBERT N. (S'49-A'51-M'58), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 4, N.Y.

 DEFLORIO, GEORGE P. (A'55), Mem. Tech. Staff, Ramo-Wooldridge, 5500 El segundo Blvd., Los Angeles 45, Calif. DE FLORIO, ROSARIO A. (M'56), Elec. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. DE FOREST, LEE (RE Charter Mem.)(A'12-M'14-F'18)(L), 8190 Hollywood Blvd., Los Angeles 46, Calif. DE FRANCE, JOSEPH J. (SM'51), Head, Dept of Elec. Technology, New York City Community College, 300 Pearl St., Brooklyn 1, N.Y.

 DE FRANCO, JOHN J. (S'55-M'57), Asst. Project Engr., Kearfott Co., Inc., 1500 Main Ave., Clifton, N. J.

 DE FREES, HAROLD F. (M'56), Principal Engr., Bendix Avisation, York Div., Stoneybrook, York, Pa.

 DE FREES, HERNY A. (A'54), Project Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 DE FRIES, WILLIAM G. (S'54-A'55), Electronics Engr., Hazeltine Electronics Corp., 138 Haven Ave., Port Washington, L. I., N.Y.

 DEGAN, JOHN J., JR. (S'52-A'55), Mem. Tech. Staff,

- Ington, L. I., N. Y.

 DEGAN, JOHN J., JR. (S'52-A'55), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N. J.

 DEGAN, LAWRENCE J. (M'58), Engr., GE Co., Syracuse,
- DEGENHARDT, RICHARD N. (S'56-M'57), Engr., Fire Control Systems Design, GE Co., 100 Plastics Ave., Pittsfield, Mass.
- Pittsfield, Mass.

 DE GENNARO, RAYMOND (S'56-A'57), Research Engr.,
 Republic Aviation Corp., Farmingdale, L. I., N. Y.

 DEGNAN, BRIAN T. (S'57-M'58), Asst. Engr., Ford
 Instrument Co., 3110 41 Ave., Long Island City, N. Y.

 DE GRAFF, DAYID A. (S'52-A'54), Mem. Tech. Staff,
 Bell Tel, Labs., Whippany, N. J.

 DEGRAFFENREID, DONALD L. (S'56-M'59), Electronics
 Engr., Interstate Electronics Corp., 707 E. Vermont St.,
 Anaheim, Calif.

 DE GRANDE DORECTS (A'52-M'57), Decist Form.
- DE GRANDE, ROBERT S. (A'52-M'57), Project Engr., Kollsman Instrument Corp., 80-08 45 Ave., Elmhurst 73, L.I., N.Y.

- DE GRASSE, ROBERT W. (S'51-A'52-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.
 DE GREGORIO, JOSEPH F. (S'44-A'45-M'55), Electronics Engr., Natl. Bureau of Standards, Boulder, Colo.
 DE GROAT, PAUL H. (S'54-M'58), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 DE GROOT, EDWARD B. (S'55-M'58), Research Engr., "A", Boeing Airplane Co., Seattle, Wash.
 DE GROOT, FRANCIS M. (S'56-M'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.
 DE GROOT, NORMAN F. (M'57), Electronics Scientist, U.S. Naval Ordnance Test Sta., China Lake, Calif. dehAAN, JAMES (A'43), Pres., deHaan Hi-Fi, Inc., 9680

- U.S., Naval Ordnance Test Sta., China Lake, Calif. deHAAN, JAMES (A'43), Pres., deHaan Hir-Fi, Inc., 9680 Plaza Ter., Chicago 42, III. DE HAAN, ROBERT F. (A'54-M'55), Plant Staff Supvr., Michigan Bell Tel. Co., 118 Clifford St., Detroit 26, Mich.

- Mich.

 DE HAAS, DAVID G. (M'57), Owner, David G. DeHaas Co., 3651 Garrison St., San Diego 6, Callí.

 BE HAAS, THIS (M'58), Sr. Systems Engr., Raytheon Canada, Ltd., 61 Laurel St., E., Waterloo, Ont., Canada.

 DE HARD, FRANCISCO O. (A'55), Engr., Comision Nacional de la Energia Atomica, Barlloche, Rio Negro, Argentina.

 DE HART, ROBERT N. (M'5B), Sr. Project Engr., Page Communication Engrs., 710 14 St., N.W., Washington, D.C.

 DEHART, SANFORD B. (M'5B), Supvr., Electronic Instrument Technicians, Oak Ridge Natl. Lab., Oak Ridge, Tenn.
- DE HART, WILBUR R. (S'42-A'45-M'55), Head, Counter-measures Dept., Willow Run Labs., Univ. of Michigan, Ypsilanti, Mich.

- Ypsilanti, Mich.

 DE HASS, THOMAS M. (A'55), Owner, Acousticon Hearing Aid Center, 8 N. E. 3rd St., Ft. Lauderdale, Fla.

 DEHM, ROY ELMER (A'53-M'58), Elec. Engrg. Leader, RCA, Moorestown, N.J.

 DEHN, RUDOLPHA. (S'41-A'42-M'45-SM'55), Research Assoc., GE Co., Box 10BA, Schenectady, N.Y.

 DEHONEY, ROBERT J. (A'51-M'56), Tech. Specialist, Allen B. DuMont Labs., Inc., 35 Market St., East Paterson, N.J.
- Allen B. DUMONT Labs., Inc., 33 Market St., East Accessin, N.J.

 DE HOYOS, CORONA F. (S'57-A'58), Naranjo 136-1, Mexico 4, D. F., Mexico

 DEHRING, JAMES C. (S'56-M'5B), Electronics Engr., Kaiser Aircraft & Electronics, Benore Rd., Toledo, Ohio.

 DEIBERT, CLARENCE R. (M'50), Asst. to Electronics Research Engr., Western Union Telegraph Co., Water Mill, L. I., N.

 DEICHERT, ROBERT W. (S'47-A'49-M'55), Mgr., Data & Display Lab., Allen B. DuMont Labs., Inc., 35 Market St., East Paterson, N.J.

 DEININGER, CHARLES R. (S'54-M'56), Dev. Engrg. Staff, Prod. Dev. Lab., IBM, Poughkeepsie, N.Y.

 DEININGER, CLIFFORD F. (M'55), Electronics Engr., Packard Bell Electronics, 2341 Michigan Ave., Santa Monica, Calif.

 DEIS, WILLIAM E. (SM'5B), Chief, Application & Design

- DEIS, WILLIAM E. (SM'5B), Chief, Application & Design Branch, Directorate of Labs., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- wrigm-Matterson APB, Unio.
 DEISE, LOUIS F. (M'49), Sect. Mgr., Electronics Div.,
 Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 DEISINGER, DELBERT A. (A'41-SM'47), Dir., Meteorological
 Div., U.S. Army Signal Research & Development Lab., Ft.
 Monmouth, N.J.

- DIV., U.S., Anny Signia Messacion de Decembranch (N. J.)

 BEISINGER, JOHN J. (M'55), Elec. Research Engr., A.O. Smith Corp., Milwaukee, Wis.

 BEISLER, JOHN D. (M'58), Electronics Engr., U.S. Army Signal Equipment Support Agency, Ft. Monmouth, N.J.

 BEISS, EMIL W. (A'45), Sr. Project Engr., ITT Labs., Nutley 10, N.J.

 DEISSLER, KENNETH L. (S'56-A'58), Freeman, S.D.

 DEITZ, JEROME L. (S'47-A'50-M'55), Project Mgr., Librascope, Inc., 808 Westem Ave., Glendale I, Calif.

 DEITZ, JULES (SM'56), Electronics Engr., Tech. Research Div., FCC, Washington 25, D.C.

 DEITZLER, RICHARD P. (S'48-A'49-M'55), Engr., GE Co., HMED, Syracuse, N.Y.

 DEJARDIN, GEORGES L. (SM'55), Head, Dept. of Physics,
- DEJARDIN, GEORGES L. (SM'55), Head, Dept. of Physics, Univ. de Lyon, 18 Qual Claude Bernard, Lyon 7, Rhone, France.

- France.

 DE JARNETTE, HUGH M. (M'59), Lt., USN, Norfolk Naval Shipyard, Portsmouth, Va. Shipyard, Portsmouth, Va. Shipyard, Portsmouth, Va. DE JONG, PETER G. (A'45-M'55), Elec. Engr., 1650 Cambridge S.E., Grand Rapids 6, Mich.

 DE JONGHE, JOSEPH J. (45-M'55), Maj., USAF, Elec. Engr., Wright-Patterson AF8, Ohio.

 DE JOSEPH, ANTHONY (M'57), Elec. Engr., Comell Aeronautical Lab., 4455 Gensese St., Buffalo 21, N.Y.

 DE KARWIN, PETER R. (M'55), Specialist, Industrial Television, Canadian GE Co., Ltd., 830 Lansdowne Ave.,
 Toronto 4, Ont., Canada.
- I oronto 4, Unt., Canada.

 DE KAT, BEREND C. (A'59), Research Asst., RCA Victor Co.,
 Ltd., 1001 Lenoir St., Montreal 30, P.Q., Canada.

 DE KIMPE, RICHARD A. (S'54-M'55), Mem. Tech. Staff,
 Hughes Aircraft Co., Internatl. Airport Sta., Los Angeles
 45, Calif.
- 45, Calif.

 DE KLERK, JOHN (SM'57), Asst. Prof., Physics, Brown
 Univ., 175 Thayer St., Providence 12, R.I.

 de KOZAN, RAYMOND L. (M'58), Electronics Research
 Engr., Ryan Aeronautical Co., 5650 Kearney Mesa Rd.,
 San Diego, Calif.
- San Diego, Callíf.

 de Ia COVA, PAUL V. (SM'54), Asst. Chief Engr., Sparton Electronics, 2400 E. Ganson St., Jackson, Mich.

 de LACY, EAMONN M. F. (M'56), Sr. Engr., Gates Radio, 123 Hampshire St., Quincy, Ill.

 DE LA GARRIQUE, JOHN E., JR. (5'56-M'57), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
- Santa Monica, Calif.

 DELAHAY, FRANCISCO (A'57), Electronics Engr., Telefonos de Mexico S.A., Parque Via 198, Mexico D.F.. Mexico D.E. A. HERRAM, JOSE R. (SM'57), Chlef Engr., Dn. Emilio Azcarraga's Enterprises, Caden Radiodifusora Mexicana, S.A., Ayuntamiento 54, Mexico, D.F., Mexico.

 DelALIO, LOUIS D. (A'159), Chief Fngr., Filtors. Inc. 30 Sagamore Hill Dr., Port Washington, L.I., N.Y.

 DELAND, THORNDIKE (A'54), Partner, Thorndike Deland Associates, 1440 Broadway, New York 18, N.Y.

 DELANDY, DONALD K. (A'57), Electronics Instr., Western Radio Electronic Television Schools, 1065 Howe St., Vancouver, B.C., Canada.

- DELANEY, HARRY J. (M'56), 2516 James Ave., West Covina, Calif. DELANEY, JOHN S. (M'56), Sr. Aerophysics Engr., Convair, Ft. Worth, Tex.
- DELANEY, ROBERT P. (A'53~M'58), Systems Engr., Martin Co., Baltimore 3, Md.

- DELANEY, NUBERT P. (A'53-M'56), Systems Engr., Martin Co., Baltimore 3, M. (A'59), Analyst, Empire Trust Co., 20 Broad St., New York, N.Y.

 DE LANEY, WILLIAM 8. (S'57-M'59), Pvt., U.S. Army. Home: 515 East End Ave., Lancaster, Pa.

 DELANEY, WILLIAM 9. (S'56-M'59), East Assoc., MIT, Lincoln Lab., Lexington 73, Mass.

 DE LANGE, OWEN E. (A'51-M'55), Mem. Tech. Staff, Bell Tel. Labs., Holmdel, N.J.

 DELANO, ADELBERT 8. (M'56), Electronics Engr., Raytheon Mfg. Co., Wayland, Mass.

 DE LANO, RALPH 8., JR. (S'41-A'43-M'55), Sr. Engr., IBM, Poughkeepsie, N. Y.

 DE LANO, RICHARO H. (A'48-SM'54), Exec., V. P., Systems Labs. Corp., 1485 2 Ventura Blvd., Sherman Oaks, Calif.

- Calif.

 DELANY, EDWARD 8. (S'48-A'49-M'55), Group Leader, Perkin Elmer Corp., Main Ave., Norwalk, Corn.

 DELANY, FRANK J. (S'40-A'41-M'55-SM'59), Asst. Chief Project Administrator, Hazeltine Electronics Div., Little Neck, 62, L. 1., N. Y.

 DELANY, RALPH H. (A'46-SM'54), Chief Engr., WHK-Radio Cleveland, 5000 Euclid Ave., Cleveland 3, Ohio.

 DELA PARRA, ARTHUR F. (S'51-A'52-M'57), Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N. Y.
- DELASHAW, JOHN W. (S'56-M59), Jr. Engr., Continental Electronics Mfg. Co., 2227 Irving Blvd., Dallas, Tex. DEL BEN, RENO A. (S'58-M'58), Box 17, Englewood,

- N. J.

 DEL.BRIDGE, JOHN O. (M'56), Div. Geophysicist, Shell Oil Co., 2821 N.W., 50 St., Oklahoma City 12, Okla.

 DEL CAMP, SCIPIO M. (A'48-M'55), V. P., Clinch Mfg. Corp., 1026 S. Homan Ave., Chicago 24, Ill.

 DEL CIELLO, ROBERT R. (A'53), Sr. Research & Oev. Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, Ill.

 DEL DUCA, ANTHONY (S'49-A'50-M'55), Chief Electronics Engr., Beckman Instruments, Inc., 2500 Fullerton, Calif.
- DE LEON, JOHN (4/40-M/55), Tech. Specialist, Allen 8.
 DuMont Labs., Inc., 760 Bloomfield Ave., Clifton,N.J.
 DELGAOO, ROBERT (A/50-M/58), Lt. Cmdr., USN, Staff
 Electronics Officer, Comdeslant Staff, Newport, R. I.
 DELGADO, ROBERT H. (M/56), Control System Oesign Engr.,
 Pittsburgh 30, Pac.
- DEL GEORGIO, JUAN A. (M'59), Head, Circuit & Transmission Sect., C.I.T.E.F.A., 3 de Febrero 1250, San Martin, Buenos Aires, Argentina.
- Buenos Aires, Argentina.

 DEL GIORNO, ARTHUR E. (A'44-M'55), Assoc. Prof., New York City Community College, 300 Pearl St., Brooklyn1, N.Y.

 DEL GUERCIO, JAMES V. (M'57), Project Engr., National Co., 34 Essex St., Melrose 76, Mass.

 DELGUIDICE, TOBY F. (M'57), Sr. Project Engr., Plastoid Corp., Hamburg, N.J.

 DELHOM, LOUIS A. (M'56), Engr., RCA. Camden, N.J.

 DE LIBAN, ROBERT (M'48), V. P., Barrett Electronics Corp., 1436 El Camino Real, Menio Park, Call.

 DELICATH, RAYMONO C. (S'47-A'49-M'52), Research Test Engr., Convair-Astronautics, 5001 Keamey Villa Rd., San Diego 11, Calif.

 DELISLE, JOSEPHE, (S'46-A'50-M'55), Asset Diegoliste.

- DE LISLE, JOSEPH E. (S'46-A'50-M'55), Asst. Dir., Instrumentation Lab., MIT, Cambridge 39, Mass. DELK, ERNEST T. (M'58), 9056 E. Shorewood Or., Mercer Island, Wash.
- DELKER, ALFREO G., JR. (S'49-A'49-M'55), Electronics Engr., RCA, Moorestown, N.J.
- PELL, BERNARO H. (M'59), Mem. Tech. Staff, Thompson-Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.

- DELL, BERNÁRO H. (M¹59), Mem. Tech. Staff, Thompson-Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.

 DELL, CURTIS G. (S¹47-A¹51-M¹56), Research Engr., E.I. DuPort de Nemours & Co., Inc., Wilmington, Del.

 DELL. HAROLO R. (S¹46-A¹49-M¹55), Engr., Link
 Aviation, Inc., 530 University Ave., Palo Alto, Calif.

 DELLA-CORTE, JOSEPH P. (SM¹47), Dept. Head, Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 DELL'ACQUIA, LEONARD (M¹58), Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DELL'ACQUIA, LEONARD (M¹58), Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DELLA HUCCA, LOIS E. (S¹56-M¹59), Electronics Scientist, Northeastern Univ. Electronic Research Project, 360 Huntington Ave., Boston 15, Mass.

 DELL'AMICO, JOHN O. (S¹56-M¹56), Lt., Electronics Engr., Drone Div., Combat Surveillance & Avionics Opet.,
 USAEPG, Ft. Huachbea, Ariz.

 DELLA SALLE, LOUIS R. (A²54-M¹57), Elec. Engr., American Cables & Radio, 67 Broad St., New York, N.Y.

 DELLASANTA, OSVALOO (M¹56), 11507 Ashley Or.,
 Rockville, Md.

 DELLA-TORRE, EOWARO (S¹53-A¹55-S¹55-M¹57), Instr.,
 Rutgers Univ., New Brunswick, N.J.

 DELLENBAUGH, FREDCRICK S., III (S¹47-A¹50-M¹55),
 Sr. Engr., C8S Labs., 227 High Ridge Rd., Stamford, Conn.

 DELLER, PETER P. (S¹54-A¹55), Owner, Television,
 Marine, Mobile Repair Shop, 133 E. Merrick Rd., Merrick,
 L.I., N.Y.

 DELLING, HENRY W. (A¹52-M¹57-SM¹59), Project Engr.,
 Philico Conp., 3875 Fablan Way, Palo Alto, Calif.

 DELLINGR, J. HOWARO (F¹23/L), Radio Consultant &
 Adviser, 3900 Connecticut Ave., Washington B. O.C.

- Kansas City, Mo.

 OELLINGER, J. HOWARO (F'23 XL), Radio Consultant & Adviser, 3900 Connecticut Ave., Washington B, D.C.

 DELLINGER, KENNETH A. (A'57), Tektronix, Inc., 1900 Rosecrans, San Diego, Calif.

 DEL MAR, DANIEL (M'59), Sales Engr., Gawler Knoop Co., 835 Glenside Ave., Wymotote, Pa.

 DELMEGE, ARTHUR H. (A'43-M'55), Electro-Mech. Group Supvr., Vickers, Inc., 1400 Dakman, Detroit 32, Mich.

 DE LOACH, BERNARO C., JR. (M'57), Mem. Tech. Staff, Bell Tcl. Labs., Red Bank, N.J.

DeLOACH, HERMAN H. (S'57-M'59), Elec. Engr., Bell Tel. Labs., c/o Western Electric Co., Burlington, N.C. DE LOI, DANIEL J. (M'46), Production Specialist, Govt. Middletown Air Materiel Area, Air Procurement District, 111 E. 16 St., New York, N.Y.

- 146 -

- DE LONG, GEORGE E. (S'54-M'57), Design Engr., RCA,

- DE LONG, GEORGE E. (S'54-M'57), Design Engr., RUA, Moorestown, N.J.
 DE LONG, HARRY C. (A'58), V.P., Empire Tool Engrg. Co., Inc., Tucson, Ariz.
 DE LONG, VINCE R. (S'49-A'50-M'56-SM'57), Engr., Collins Radio Co., Cedar Rapids, Jowa.
 DELORAINE, E.M. (M'25-F'41), V.P. & Tech. DIr, Internati. Standard Electric Corp., New York, N.Y.; Pres., Lab. Central de Telecommunications, 46 Ave., De Breteuil,
- Paris 7E, France.

 DELORD, JEAN F. (SM*55), Tektronix, Inc., Box 31, Portland 7, Ore.

- Portland 7, Ore.

 DELORE, GILBERT E. (A'55), Project Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 DE LORENZO, JOSEPH D. (S'56-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 DE LORENZO, ROBERT J. (S'51-A'54-M'58), Sect. Leader, Eitel-McCullough, San Bruno, Catif.

 DE LORIMIER, JOHN B. (A'52-M'57), Engr., Pacific Telephone & Telegraph Co., 760 Market St., San Francisco 2, Calif.
- 2, Cain.
 DELORT, RENE (M'46), Telecommunications Advisor, Internat!, Cooperation Administration, Weshington 25, D. C.
 DE LOS SANTOS, ANIBAL N. (A'59), Av. Lib., San Martin 90, Gral. Pacheco, Argentina.
 OELP, RICHARO H. (M'57), Guidance Systems, Research, Missile Systems Div., Lockheed Aircraft Corp., Box 504, Sunnyvale, Calif.
- Missite Systems Div., Lockheed Aircraft Corp., Box 504, Sunnyvale, Calif.

 DELPIT, ROBERT J., JR. (M'59), Head, System Test & Evaluation Group, Hughes Aircraft Co., Fullerton, Calif.

 DEL RIO BRETIGNERE, JULIO (A'52), Corp. Del Radio Oc Chile, S. A., Casilla 1407, Santiago, Chilie.

 DELSON, JEROME K. (S'50-A'54-M'59), Engr., Weizmann Institute of Science, Rehovet, Israel.

 DELUCA, ANTHONY P. (M'57), Project Engr., Saratoga Industries, Inc., Ballston Avc., Saratoga Springs, N.Y.

 DELUCA, AUTHONY P. (M'57), Project Engr., Saratoga Industries, Inc., Ballston Avc., Saratoga Springs, N.Y.

 DELUCA, UOUS A. (A'52), Tech Rep., Philico Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 DELUCIA, VICTOR E. (A'50-SM'57), Pres., Resitron Labs., Inc., 2908 Nebraska Ave., Sarata Monica, Calif.

 DELUNG, JAMES (S'47-A'50-M'52), Sales Engr., RCA, 224 N. Wilkinson St., Dayton 2, Ohio.

 DE LUNG, DONALD O. (A'56), Tech. Rep., Madigan Communications & Electronics Corp., 526 Mineola Ave., Carle Place, L. I., N. Y.

 DELUSKI, ERNEST F. (S'57-M'59), Engr., Sylvania Elec.

- Place, L. I., N. Y.

 PLUSKI, ERNEST F. (S'57-M'59), Engr., Sylvania Elec. Prods., Inc., Wattham 54, Mass.

 PE LUTS, THOMAS (M'52), Prod. Engrs. Mgr., Natl. Electrical Prods. Corporation, Ambridge, Pa.

 DE LUZURIAGA, EUSEBIO R. (M'59), Supvr., Systems Engrs. & Planning, Internatl. Standard Electric Corp., 67 Broad St., New York, N. Y.

 OEL VENTO, JOHN M. (A'54-M'56-SM'59), Staff Engr., Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, III.

 DELVIGNE, ANORE F. (A'55), Communications Engr., Hars., Vork, N. Y.

 OELS, Army Communications Zone Europe, APO 58, New York, N. Y.

 DELZELL, ROBERT D. (Al'52).

- PELZELL, ROBERT P. (M'57), Engr., Genl. Radio Co., 6605 W. North Ave., Oak Park, III.

 OE MACEDO, ALVARO, JR. (A'44-M'52), Supt., Aldema, Ltda., Rua 24 Oe Maio 207, Sao Paulo, Brazil.

 DE MAIO, SAMUEL J. (M'56), Sr. Engr., Monroe Calculating Machine Co., 555 Mitchell St., Orange, N. J.

 OE MAIOS, JOSEPH (M'58), 401 W. 44 St., New York 36, N. J.
- DE MARCO, PAUL J. (S'57-A'58), Broadcast Engr., KGUN-TV, 6 Ave., Tucson, Ariz. OE MARCO, RALPH J. (A'51), 9089 Magnolia Ave., River-side, Calif.
- side, Calif.

 DE MARCO, VINCENT R. (M'56), Elec. Engr., Instrumentation Lab., Cambridge 39, Mass.

 DEMAREE, FRANK E. (A'55), Supt., Transmission, Western Electric Co., 220 Church St., New York 13, N.Y.

 DEMAREE, GEORGE A. (S'53-A'54-M'55), Dev. Engr., GE Co., Syracuse, N.Y.
- DEMAREST, CHARLES J. (A'55), 33–26 Jordan St., Flushing 58, L. I., N. Y.
 DEMAREST, DAVID (M'59), Mgr., American Bosch Arma
 Corp., 349 W. 1st St., Dayton 2, Ohio.
- DEMARKEST, DAYID VM. 7, MW. C. Ohio.

 Corp., 349 W. 1st St., Dayton 2, Ohio.

 DEMAREST, JACK W. (S'58-M'59), Assoc. Engr., Oouglas Aircraft Co., 30DD Ocean Park Blvd., Santa Monica, Calif. DeMARNIS, JOSEPH V. (M'58), TV Elec. Design Engr., Sylvania Elec. Prods., Inc., Batavia, N. Y.

 DE MARR, JAMES D. (A'38-W3-39-M'55), Col., Deputy of Stock Control, U. S. Army Signal Supply Agency, 225 S. 18 St., Philadelphia 3, Pa.

 EMARS SVI VESTER A. (S'49-A'50-M'55), Electronics
- DE MARS, SYLVESTER A. (S'49-A'50-M'55), Electronics Engr., Air Force Missile Test Center, Patrick AFB, Fla. DE MARTINIS, JOSEPH R., JR. (S'55-A'55), Electronics Technician, U.S. Testing Co., 1415 Park Ave., Hoboken, N.J.
- N. J.

 DEMASY, JOSEPH (A'57), Project Engr., Stewart-Warner
 Corp., 1826 W. Diversey Pkwy., Chicago 14, III.

 DE MATTOS, HAROLD C. (M'56), Maj., Asst. Prof.,
 Engro. School of Brazilian Army, Home: Rua Nascimento
 Silva 391, Rio de Janeiro, Brazil.

 DE MATTOS, RICHAROF. (S'55-M'58), Elec. Engr.,
 A. S. Thomas, Inc., 161 Devonshire St., Boston 10,
 Mass.
- DEMBER, ALEXIS 8. (A'50), Head, Instrument Oev. Oiv., Test Dept., U. S. Naval Ordnance Test Sta., China Lake, Calif.
- DEMBY, SANFORO J. (M'59), Elec. Engr., Genl. Time Corp., 109 Lafayette St., New York, N. Y.
 DEMECS, RICHARD S. (S'57-A'58), Assoc. Engr., Westinghouse Elec. Corp., Metcalf St., Lima, Ohio.
 DE MEDEIROS, LAURO A. (A'33-M'53), Genl., Brazilian Army Reserve. Home: Avenida Copacaban 1386, Apt. 802, Rio de Janeiro, Brazil.
- DEMELIA, JOHN J. (M'59), Electronics Oesign Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72,
- DE MELLO, GERALDO H. (A'35), Tech. Dir., Sociedade Technica Paulista, South America Maestro Cardim 1109, Sao Paulo, Brazil.

- DE MELLO, WILLIAM (A'25-SM'46), Asst. Radio Mgr., Westrex Corp., 111 8 Ave., New York 11, N.Y. DEMENT, JAMES F. (M'58), Design Engr. II, Martin Co., Orlando, Fla.
- DEMER, FREDERICK M. (A'50), Sr. Engr., 18M, Endicott,
- N. Y.

 DEMERCURIO, CARMINO D. (M'57), Elec. Engr., Bendix
 Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 DEMERE, RAYMONO M., JR. (A'47-M'55), Production
 Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo
 Alto, Calif.
- DE MERS, EDWARD F. (A'52-SM'54), Head, Special Projects, Stromberg-Carlson, 1895 Hancock St., San Oiego 12, Calif.
- 12, Čalif.

 DEMERS, PIERRE (S'52-A'53), Systems Engr., RCA Victor
 Co. of Canada, 1001 Lenoir St., Montreal, P. Q., Canada,
 DEMERS, RAYMOND J. H. (S'55-M'57), Officer's Mess,
 RCAF Sta., Falconbridge, Ont., Canada.
 DE MESME, THAODEUS A. (A'55), Electronics Scientist,
 Rome Air Development Center, Griffiss AFB, N. Y.

 DEMETER, JOHN P., JR. (M'57), Electronics Engr., Hughes
 Aircraft Co., Fullerton, Calif.

 DEMETRICK, JOHN S. (SM'53), Chief Engr., Automatic
 Radio Mfg. Co., Inc., 122 Brookline Ave., Boston 15,
 Mass.

- Mass.
 DEMICK, DANNY (A'56), Specialist, Engrg. Test Equipment, LMEO, GE Co., Utica, N. Y.
 DEMIEVILLE, HENRI (A'53-M'58), Mgr., Demieville & Co., Petite Corniche, Lutry(Vaud), Switzerland.
 DE MIGLIO, FRANCIS J. (M'57), Asst. Electronics Engr., Raytheon Mfg. Co., Wayland, Mass.
 DE MILIA, JOSEPH (A'53-5M'59), Electronics Engr., U. S. Naval Gun Factory, Washington 25, D. C.
- maval Gun Factory, Washington 25, D. C.

 DEMIN, ALEXANGER N. (A'55), Tech. Rep., Madigan
 Communication & Electronic Corp., 144-30 Hillside Ave.,
 Jamaica, L. I., N. Y.

 DE MINCO, ANTHONY P. (M'51-SM'53), Supvy. Electronics
 Scientist, Genl. Engrg. Lab., Rome Air Oevelopment Center,
 Rome, N. Y.
- DEMING, ARTHUR F. (M'56), Mem. Tech. Staff, Ramo-Wooldridge Corp., El Segundo & Aviation, Los Angeles,

- Calif.

 DEMING, GROVE W. (M'58), Engr., Acting Head, Applications Sect., Special Tube Operation, Sylvania Elec. Prods., Inc., 1891 E. 3rd St., Williamsport, Pa.

 DEMING, JACK M. (A'52), V. P., Oil Capitol Electronics Corp., 708 S. Sheridan, Tulsa 1, Okla.

 DEMING, ROBERT L. (SM'57), Head, Nucleonics Systems, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 DEMING, ROBERT L. (SM'57), Head, Nucleonics Systems, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.
- OE MIRANDA, HEINE A. (M'58), Dev. Engr., N. V. Philips Gloeilampenfabrienken, 5 Oude Mollenhutseweg, Nymegen, Netherlands.
- DE MIRANDA, SERGIO M. (A'57), Project Engr., GE Co., S. A., (Fabrica Sao Paulo), R. do Hipodromo 1019, Sao Paulo, Brazil

- S. A., (Fabrica Sao Paulo), R. do Hipodromo 1019, Sao Paulo, Brazil.

 DEMKO, JOHN G. (S'50-A'55-M'58), Design Engr., Electronics Associates, Inc., Long Branch, N. J.

 DEML, AMDREW J. (S'48-A'51-M'56), Communications Design Engr., RCA, Camden, N. J.

 DEML, AMDREW J. (S'48-A'51-M'56), Communications Design Engr., RCA, Camden, N. J.

 DEMMER, LOUIS T., Rev. (A'52-M'57), Instr., St. Patrick Central High School, Center & Brookmont, Kankakee, III.

 DEMMEREE, ALAN (S'58-M'59), 145 Ivanhoe St., S. W., Washington 24, D. C.

 DEMO, BURDETTE L. (S'54-M'56), Electronics Research Engr., Lockheed Missiles & Space Div., Box 504, Sunnyvale, Calif.

 DEMO, RAYMONO D. (M'58), Specialist, Magnetic Recording, GE Co., Syracuse, N. Y.

 OE MORAES, JOSE L. S. (M'57), Calle Filomeno Mata 13, 2 Piso, Mexico 1, D. F. Mexico.

 DEMOS, GEORGE T. (M'58), Project Engr., Webcor, Inc., 816 N. Kedzie St., Chicago, III.

 DE MOTT, JOSEPH (S'48-Y5D-M'55-SM'55), Sales & Customer Liaison Engr., Applied Science Corp. of Princeton, 49 Kino Blvd., Trenton 9, N. J.

 DE MOTTE, FRANKE C. (A'42-M'55-SM'58), Mem. Tech. Staff, Bell Tel. Labs., Whitopany, N. J.

 DEMOUGEOTT, GEORGE M. (A'57), Instr., Engr., Services, Westinghouse Elec. Corp., Friendship Internal. Alroort, Baltimore, Md.

- DEMPSEY, DONALD J. (S'58-M'59), 11601 Gorham Ave., Los Angeles 49, Calif.

- Los Angeles 49, Calif.

 DEMPSEY, JOHN P. (S'57-M'58), Vibrations Engr., Boeing
 Aircraft Co., Seattle, Wash.

 DEMPSEY, MARION E. (A'54), Sr. Engr., Westinghouse
 Elec. Corp., 8ox 746, Baltimore 3, Md.

 DEMPSEY, MURRAY W. (A'55), Officer Commanding Telecommunications Sqdn., RCAF 6 Repair Ocepot, Trenton,
 Ont., Canada.
- Ont., Canada.

 DEMPSTER, BURGESS (A'31-M'44-SM'48-F'57), Pres.,
 Electronic Engrg. Co. of California, 1601 E. Chestnut Ave.,
 Santa Ana, Calif.

 DEMPSTER, BURTON W. (S'50-A'51-M'58), Systems
 Engr., Fischer & Porter Co., Hatboro, Pa.
- Engr., Fischer & Porter Co., Hatboro, Pa.
 DEMPSTER, JOHN H. (S'58-M'59), 2420 Springbrook
 Ave., Rockford, III.
- Ave., Rockford, III.

 DEMPSTER, ROBERT J. (5'50-A'53-M'58), Sr. Engr., Reconnaissance System Lab., Sylvania Elec. Prods., Inc., 80x 188, Mountain View, Calif.

 DEMROW, ROBERT I. (M'57), Engr., GE Co., 950 Western Ave., Lynn, Mass.

 DEMURIA, VINCENT J. (M'57), Industrial Specialist, Arma Div., Garden City, L.I., N.Y.

 DEMURIA, THOMAS M. (A'52-M'57), Tube Design Engr., RCA, Harrison, N.J.

 DEMUTH, HAL P. (M'58), Lt. Cmdr., Coast & Geodetic Survey, USC&GS Ship Surveyor, 28 & Harbor Dr., San Diego, Calif.

- Oiego, Calif.

 DEMUTH, HOWARO B. (S'54-M'57), Staff Mem., Los
 Alamos Scientific Lab., 8ox 1663, Los Alamos, N.M.

 DEMUTH, ROBERT L., JR. (M'58), Asst. to V. P., Engrg.

 & Research, Raytheon Mig. Co., Waltham, Mass.

 DEMY, JOSEPH C. (S'55-M'57), Field Engr., Emerson
 Research Labs., 1140 East-West Hwy., Silver Spring, Md.

 DE MEYER, DONALO L. (M'58), Project Engr., AC Spark

 Plug, Flint, Mich.

 DENAULT, DONALO R. (M'57), Sr. Design Engr.,

 Sylvanla Elec. Prods. Inc., Woburn, Mass.

- DEN BOEF, DIRK (S'56-A'5B), Engr., RCA Service Co., Camden, N.J.

- Camden, N.J.

 DEN-BRINKER, CARL S. (M'5B), Engr., British Tele-Communications Research, Ltd., Taplow, Berks., England.

 DENBURG, DONALD L. (S'56-M'5B), Research Asst.,
 Johns Hopkins Radiation Lab., 1315 St. Paul St.,
 Baltimore 2, Md.

 DENCH, EDWARD C. (SM'54), Mgr., Crossed Field Tube
 Lab., Raytheon Mfg. Co., Spencer Lab., Burlington, Mass.

 DENDY, KING H. (SM'57), Sr. Engr., Motorola, Phoenix,
 Ariz.
- Ariz.

 DENECHAUD, RALPH G (A'32-VA'39), Mgr., Radio Engrg. Operations, ABC, 1539 Vine St., Los Angeles 28, Calif.

 DE NEUF., DONALD K. (A'33-M'40-SM'43), V.P., Press Wireless, Inc., 660 1st Ave., New York 16, N.Y.

 DE NICOLAI, MARCO B. (M'57), Supvr., Armament & Nucleonic Branch, Radioplane Div., Northrop Aircraft, Inc., 8000 Woodley, Van Nuys, Calif.

 DENISE, WILFRED J. (S'58-M'59), Jr. Mem. Tech. Staff, ITT Labs., 15151 Bledsoe, San Fernando, Calif.

 DENISEKKO, IGOR N. (A'57), Radio Engr., State Committee of Radioelectronics, F, Kitalskiy proezd, Moscow, USSR.

- DENISENKO, ICOR N. (A'57), Radio Engr., State
 Committee of Radioelectronics, F., Kitalskiy proezd,
 Moscow, USSR.

 DENISON, JAMES W. (A'54), Metallurgist, GE Co.,
 Bryan Dairy Rd., St. Petersburg, Fla.

 DENIUS, HOMER R. (M'46-SM'50), Pres., Radiation, Inc.,
 80x 37, Melbourne, Fla.

 DENK, WILLIAM E. (S'32-A'35-VA'39-M'55), Patent
 Dept., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.
 DENMAM, ELIGENE D. (A'54-M'57), Research 5r.,
 Midwest Research Institute, 425 Volker Blvd., Karisas
 Clty, Mo.

 DENMAN, JAMES G. (M'59), Pres., Denman Electronics
 Corp., 345 Boylston St., Brookline, Mass.
 DENNAND, ROBERT H. (S'33-A'55), Assoc. Engr., IBM,
 Research Center, Yorktown Heights, N.Y.
 DENNEN, WALTER B., JR. (M'58), Tech. Editor, Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 DENNET, LIONEL J. (M'54), Gent. Mgr., Decca Radar
 (Canada), Ltd., 23 Six Points Rd., Toronto 1B, Ont.,
 Canada
 OENNEY, BRUCE H. (A'44), Head, Sound Engra, Dept.,

- OENNEY, BRUCE H. (A'44), Head, Sound Engrg. Dept., Paramount Pictures, Inc., 5451 Marathon St., Hollywood 38, Calif.

- aramount Pictures, Inc., 5451 Marathon St., Hollywood 38, Calif.

 DENNEY, JOHN M. (A'45-M'55), Project Engr., Daven Co., Rie. 10, Livingston, N.J.

 DENNIS, ARTHUR R. (S'55-M'56), Research Engr., CBS Labs., 227 High Ridge Rd., Stamford, Conn.

 DENNIS, DAVID L. (A'55), Research Engr., Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.

 DENNIS, FRED R. (A'37-M'46), Mem. Tech. Staff, Bell Tel., Labs., Murray Hill, N. J.

 DENNIS, HARRY (SM'57), Chief Engr., WERE, WERE-FM, 1501 Euclid Ave., Cleveland 15, Ohio.

 DENNIS, JACK B. (S'53-M'59), Instr., MIT, Cambridge 39, Mass.

 DENNIS, JAMFS I. (SMI44 ELEO).

- DENNIS, JAMES L. (SM'46-F'59), Consulting Engr., 1420 Glendale Ave., Dayton 6, Ohio. DENNIS, JAMES R. (A'52-SM'59), Research Engr., Seis-mograph Service Corp., Box 1590, Tulsa, Okla.
- mograph Service Lorp., Box 1590, Iulsa, Okla.
 DENNIS, JOSEPH (S'48-A'50-M'55), Design Engr.,
 Fairchild Aircraft Div., Hagerstown, Md.
 DENNIS, LAWRENCE F. (S'54-M'56), Electronics Engr.,
 U.S. Army Signal Research & Development Lab.,
 Ft. Monmouth, N.J.
- DENNIS, PAUL A. (A'55), Mgr., Special Prods. Dept., Bendix Computer Div., 139 Maryland St., El Segundo, Calif
- DENNIS, ROBERT J. (M'56), Staff Engr., Inland Testing Labs., 6401 W. Oakton, Morton Grove, III. DENNIS, ULRIC E. (M'58), Elec. Engr., LMED, GE Co., Ulca, N.Y.
- DENNISON, BENJAMIN H., JR. (S'41-A'45-SM'49), Project Engr.-in-chge., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. DENNISON, PAUL R. (S'43-A'49-M'55), 1539 Maple St., Pasadena, Calif.

- Pasadena, Calif.

 DENNISON, ROBERT C. (A'50-M'54), TV Engr.,
 RCA, Camden, N.J.

 DENNISON, WAYNE A. (S'57-M'59), Electronics Engr.,
 U.S. Naval Propellant Plant, Indian Head, Md.

 DENNY, CHARLES R. (A'48-M'55), V.P., Prod. Planning,
 RCA, 30 Rockerfeller Plaza, New York 20, N.Y.

 DENNY, FRANK J. (M'57), Lead Engr., Elec. Test Labs.,
 Convair-Astronautics, Box 1128, San Diego, Calif.

- CONVAIR-ASCONDUCIOS, BOX 1126, San Diego, Calif.
 DENNY, JOHN H. (M'58), Reliability Engr., GE Co., Syracuse, N.Y.
 DENNY, WAYNE B. (A'42-M'55), Prof., Physics, Grinnell
 College, Grinnell, Iowa
 DENNY, WILFRED I. (A'46), Dir., Education, Hollywood
 Radio & Television Institute, 7078 Hollywood Blvd., Hollywood 28, Calif.
- DE NOON, NORMAN L. (A'57), LTA Electronics Officer, Air Dev. Sodn. 1, Naval Air Sta., Key West, Fla. DENSLOW, JULIAN H., JR. (M'59), Design Engr., GE Co., Syracuse, N.Y.

- Syracuse, N.Y.

 DENSMORE, MELVILLE E. (S'50-A'51), Research Engr.,
 Boeing Airplane Co., Seattle, Wash.

 DENSTAEDT, EDWIN C. (A'30-M'33-SM'43), Supt.,
 Municipal Communications Systems, Public Lighting Commission, 1300 Beaublen St., Detroit 26, Mich.

 DENT, F. DENNIS (A'51), Mng. Oir., Ardente Acoustic Labs.
 Ltd., 8-12 Minerva Rd., North Acton, London N.W., 10,
 England.
- England.
 DENT, JOHN R. (M'5B), Elec. Engr., Melpar, Inc., 3000
 Arlington Blvd., Falls Church, Va.
 DENT, WILLIAM U. (A'41-M'55), Electronics Engr., Westinghouse Elec. Corp., 410 Bush St., San Francisco B, Calif
 DENTLER, CARL E. (M'46), Prod. Engr., Ravthen Mrg.
 Co., Newton 5B, Mass.
- DENTON, 8. EDWARD (SM'49), TV Engr., RCA, Camden,

- N.J.
 DENTON, DAVID H., JR. (S'57-M'59), Staff Mem., Sandia
 Corp., Sandia Base, Albuquerque, N. M.
 DENTON, DON E., JR. (M'5B), Instr., Elec. Engrg. Dept.,
 Univ. of Alabama, University, Ala.
 OENTON, ROBERT F., JR. (S'49-A'50-M'55), Mgr., Radar
 & Countermeasurses Dept., Litton Industries, 336 N. Foothill
 Rd., Beverly Hills, Calif.

- D'ENTREMONT, ALBERT O., JR. (M'57), Engr., Datamatic Div., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton Highlands, Mass.
- St., Newton Highlands, Mass.

 DENYER, DAVID B. (S'51-M'57), Technician, Borroughs
 Corp., Radnor, Pa.

 DENYER, JOHN H. N. (A'53-M'58), Electronics Engr.,
 Canadian Aviation Electronics, Ltd., 387 Sutherland Ave.,
 Winnipeg 4, Man., Canada.

 DEOBHAKTA, PANDURANG N. (A'59), Deputy Dev. Officer,
 Ministry of Commerce & Industry, Govt. of India, New Delhi,
 India.
- INDIA

 DE OLIVEIRA, A. MENEZES (M'20-SM'43XL), Mem.

 Brazilian Academy of Sciences, Prof., Radio & Electricity,

 Brazilian Naval Academy, Rio de Janeiro, Brazil.

- Brazilian Academy of Sciences, Prof., Radio & Electricity, Brazilian Naval Academy, Rio de Janeiro, Brazil.

 Brazilian Naval Academy, Rio de Janeiro, Brazil.

 Be ONIS, ARTURO (M'50), Chief Engr., Transmitter Dev. Sect., Philips Iberica S.A. (Sociedad Anonina), Paseo Delicias 65, Madrid, Spain.

 DEOUL, NEAL (M'56), Head, Sales Engrg. Dept., FXR, Inc., 26–12 Borough P1., Woodside 77, L.I., N.Y.

 DEPADLA, GINO E. (A'55), Sr. Engr., Stavid Engrg. Co., Plainfield, N.J.

 DE PARRY, THEDDORE (M'56), Research Sect. Head, Genl. Tel & Electronic Corp., Wolf Rd., Northlake, Ill.

 DE PARRY, THEDDORE (M'56), Research Sect. Head, Genl. Tel & Electronic Corp., Wolf Rd., Northlake, Ill.

 DEPASQUALE, NICHOLAS D. (A'55), Asst. Project Engr., Martin Co., Orlando, Fla.

 DEPASQUALE, RAY H. (A'43-M'46-SM'53), Pres. & Chief Engr., The Tech. Materiel Corp., 700 Fenimore Rd., Mamaroneck, N.Y.

 DEPAUL, VICTOR A. (A'55-M'57), Engr., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.

 DEFEW, HURDERT D., JR. (A'50-M'55), Flentronic Engr., Convair, Pomona, Calif.

 DEPEW, HOWARD H. (S'4B-A'50), Research Engr., Boeing Airplane Co., Wichita, Kan.

 DEPEW, RED T. (A'55), Div. Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 DEPIAN, LOUIS (S'50-A'53-SM'56), Assoc. Prof., Elec. Engr., John M. (S'56-M'58), Assoc. Prof., Elec. Engr., The George Washington Univ., Washington 6, D. C.

 DEPIERRO, JOHN M. (S'56-M'58), Assoc. Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 DEPORE, DONALD M. (M'57), Research Engr., Autonetics, No. Amer. Aviation. Downey, Calif.

- N.Y.
 DEPNER, DONALD M. (M'57), Research Engr., Autonetics,
 No. Amer. Aviation, Downey, Calif.
 DEPOLITO, MARIO J. (S'57-A'58), Test Equipment Design
 Technician, Raytheon Mfg. Co., Lowell, Mass.
 DE POY, MARTIN L. (S'57-M'58), Flanders Lane, Westboro,
 Mass.
- Mass.
 DEPP WALLACE A. (SM'47), Dir., Special Systems Dev.,
 Bell Tel. Labs., Murray Hill, N.J.
 DE PRISCO, CARMINE F. (A'54), Chief Electronics Engr.,
 Aeroprojects, Inc., 310 E. Rosedale Ave., West Chester,
 Pa.
- Pa.

 DEPUTCH, KAZIMIERZ J. (A'58), Mem. Tech. Staff, Genl. Telephone Labs., Inc., Northiake, III.

 DE QUERVAIN, ALFRED P. (A'46-M'55), Chief Engr., Brown-Bover), Ltd., Telecommunications Dert., Baden, Switzerland.

 DER, CHUCK F. (S'54-M'56), Assoc. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 DERADOURIAN, CHARLES (S'57-A'58), Electronics Technician, Tracerlab, Inc., Waltham, Mass.

 DERANIAN, MINAS (A'54), Sr. Project Engr., Epsco, Inc., 275 Massachusetts Ave., Cambridge 39, Mass.

 DERCHAN, HAROLD L. (A'53-M'58), Project Elec. Engr., Hoffman Electronics Corp., 6200 S. Avalon Blvd., Los Angeles 3, Calif.

 DERDERIAN, MISHAN (S'50-A'52), Mem. Tech. Staff, Hughes

- Hoffman Electronics Corp., 6200 S. Avalon Blvd., Los Angeles 3, Calif.

 DERDERIAN, NISHAN (S'50-A'52), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 DERE, DANIEL J. (S'55-M'57), Research Engr., Lockheed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif. DEREMER, KENNETH R. (A'50-M'55), Elec. Engr., RCA, Somerville, N.J.

 DERENTHAL, RICHARD J. (A'54), Physicist, Cubic Corp., 5575 Kearmy Villa Rd., San Dlego 11, Calif.

 DE RENZIS, FRANCESCO (A'577), Mgr., Westrex Co., Italy, 19, Piazra Margana, Rome, Italy.

 DEREY, FLOYD H. (S'41-A'42-M'55), Col., USAF, Deputy Chief, Electronics & Reconnaissance Div., Directorate of Research & Dev., Hors. USAF, Washington 25, D. C.

 DERGANC, WILLIAM (S'41-A'44-M'55), Sect. Chief, Republic Aviation Corp., Mineola, L. I., N. Y.

 DERI, HUBERT B. (A'41), Sr. Scientist, Genl. Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.

 DERINGTON, JAMES C. (M'57), Electronics Engr., Army Ballistic Missile Agency, Humsville, Ala.

 DERMIT, GEORGE (M'54), Head, Research, Genl. Transistor Co., 130-11 90 St., Richmond Hill 3E, L. I., N. Y.

 DERN, HERBERT (S'50-A'52-SM'57), Lab. Supwr., Co-lumbia Univ., Electronics Research Labs., 632 W. 125 St., New York 27, N.Y.

 DERNHAM, CLIFFORD R. (A'51-M'56), Electronics Engr., POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, POC Victor 11 819 W. Divmpir Blvd. Los Angeles 64, Poc Victor 11 819 W. Dermir Blvd. Los Angeles 64, Poc Victor 11 819 W. Dermir Blvd. Los Angeles 64, Poc Victor 11 819 W. Dermir Blvd. Los Angeles 64, Poc Victor 11 819 W. Dermir Blvd. Los Angeles 64, Poc Victor 11 8
- DERNHAM, CLIFFORD R. (A'51-M'56), Electronics Engr., RCA Victor, 11819 W. Olympic Blvd., Los Angeles 64, Calif.
- CLA VICTOR, 1.0.1.7 W. Ulympic Bivd., Los Angeles Orly.
 Calif.

 DE ROCHER, WILFRED L., JR. (SM'58), Speciallst Systems
 Engr., Missile Systems Div., Republic Aviation Corp.,
 Mineola, L. I., N. Y.

 DE ROSA, ADRIAN L. (A'51), Ordnance Engr., Army Ordnance,
 White Sands Missile Range, N.M.

 DE ROSA, GEORGE D. (A'54), Engr., Melpar, Inc., 3000
 Arington Bivd., Falls Church, Va.

 DE ROSA, JOHN H., JR. (S'57-M'59), 336 David Hall Rd.,
 Rodney Village, Dover, Del.

 DE ROSA, HENRY M. (M'55), V.P., Cosmo's Industries, Inc.,
 31-28 Queen's Bivd., Long Island City, N.Y.

 DE ROSA, JOHN J., JR. (S'58-A'59), Machine Operator,
 American Can Co., St. Pauls Ave., Jersey City, N. J.

 DE ROSA, LOUIS A. (A'45-SM'51-F'52), V.P., ITT
 Labs., Nutley 10, N. J.

 DE ROSE, JAMES F. (A'56), Group Supvr., IBM, Syracuse,

- Labs., Nutley 10, N.J.

 OE ROSE, JAMES F. (A'56), Group Supvr., IBM, Syracuse, N.Y.
- OE ROSE, RALPH A. (S'50-A'51-M'56), Project Engr., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, III.
- 3B, III.

 DEROSSI, AGOSTINO D. (A'56), Pres. & Genl. Mgr.,
 MICROTECNICA S.p.A., VIa Madama Cristina, 147,
 Turin, Italy.

 DERR, ROBERT J. (M'55), Systems Analyst, Automation
 Staff, New York Central RR, 466 Lexington Ave., New
 York, N. Y.

- DERRICK, WILLIAM A. (A'45-M'55), Consulting Engr., Universal Marine Construction Co., 156 Columbus Ave., Sandusky, Ohio.

 DER SHE M., EUGENE R. (S'56-M'58), Test Engr., Convair-Astronautics, San Diego, Calif.

 DERUS, LETITIA M. (A'54), Sales Specialist, GE Co., 11840 W. Olympic Blvd., Los Angeles 64, Calif.

 DERVAY, WILLIAM (A'58), Instr., Broome Technical Community College, Binghamton, N.Y.

 DERUYCK, AURALER (S'51-A'52-M'57), Engr., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 DERVEAUX, RENE (M'57), Dir., Scientific Staff, Societe COTELEC (ex Derveaux), 6 rue Jules Simon, Boulogne, Seine, France

 DERVISHIAN, EDWARD (A'42-M'51), Sales Engr., N.R.K. Mfg. & Engrg. Co., 4601 W. Addison St., Chicaso 41. III.

 DERY, GEORGE F. (S'48-A'51-M'56), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 DERYDER, HERBERT (VA'39), Owner, Herbert De Ryder, Electronic Consultant, Notch Rd. & Rte 46, Little Falls, N. J.

 DERZAI, MATTHEW (S'53-A'54), Engr., Bell Tel. Co. of

- N. J.
 DERZAI, MATTHEW (S'53-A'54), Engr., Bell Tel. Co. of Canada, 1060 University Ave., Montreal, P.Q., Canada.
 DE SA, MURILLO A, M. (A'57), Elec, Engr., Cia Radio Internacional do Brasil, Av. Rio Branco 99 101, Rio de Janeiro, 8rasil.

- Janeiro , Brasil .

 DE SA E SILVA, CLAUDIO (S'56-M'57), Project Engr., GE Co., 2223 Rutgers Dr., Costa Mesa, Calif.

 DE SALVO, ALEXANDER F. (SM'49), Plant Supt., Lewyt Com., 43-22 Queens St., Long Island City, N.Y.

 DE SANTIS, VINCENT J. (SM'51), Mgr. Engr., GE Co., Schenectatly, N.Y.

 DE SANTIS, ZOPITO S. (S'57-M'59), Field Service Engr., GE Co., DeWitt Shop, Tarbel Rd., Syracuse, N. Y.

 de SATNICK, STEVE (A'50-M'55), Chief Engr., Metropolitan Educational Television Assn., 345 E. 46 St., New York, N. Y.

- tan Educational Television Assn., 345 E. 46 St., New York, N. Y.
 DESAULNIERS, RUSSELL R. (A'36-M'47), Pres., Radio Electronic Television Schools (Quebec), Ltd., 8607 St. Lawrence Blvd., Montreal 11, P. Q., Canada.
 DESAUTELS, GERALD L. (M'58), Electronics Engr., RCA, Camden, N. J.
 DESAUTELS, PAUL M. (S'56-M'58), Design Engr., Electronics Systems, IBM, Poughkeepsie, N. Y.
 DES BRISAY, A. WILLIAM Y. (A'47-M'50), Mgr., Engrg. Dept., Northem Radio Mfg. Co., Ltd., 1950 Bank St., Ottawa, Ont., Canada.
 DESCH, JOSEPH R. (A'45-M'55), Supvr., Elec. Engrg., Natl. Cash Register Co., Maine & K St., Dayton 9, Ohio.
 DESCHAMPS, GEORGE A. (SM'51), Prof., Elec. Engr., Univ. of Illinois, Urbana, Ill.
 DESCHAMPS, JACQUES D. (M'58), 6 Parc De La Berengere, Seine-Et-Oise, Saint Cloud, France.
 DESCHAMPS, THEODORE (S'49-A'151-M'56), Design Engr., No. Amer. Aviation, Internatl. Airport, Los Angeles, Calif. DESCHUYTERE, LEON C. (M'56), Dev. Engr., Bell Tel. Mig. Co., Antwerp, Belgium.
 DE SHON, HOWARD C. (A'44-M'55), Prod. Engr., Raytheon Mig. Co., Newton. Masc

- DESCHUYTERE, LEON C. (M'56), Dev. Engr., Bell Tel. Mig. Co., Antwerp, Belgium.
 DE SHON, HOWARD C. (A'44-M'55), Prod. Engr., Raytheon Mig. Co., Newton, Mass.
 DE SHONG, JAMES A., JR. (A'42-M'44-SM'49), Head, Reactor Control Sect., Argonne Natl. Lab., Lemont, Ill.
 DF SI, GEORGE R. (M'55), Sect. Mgr., Westinghouse Elec. Corp., Friendship Internatl. Alroort, Baltimore, Md.
 DE SILETS, DONALD J. (M'59), Electronics Engr., Quality Evaluation Lab., Central Torpedo Office, Newport, R.I.
 DE SIRANT, MAURICE C. (A'53), Head, Physics Research Lab., A. C.E. C., Charleroi, Belgium.
 DE SIZE, LORNE K. (A'52-M'55), Group Leader, Antenna Sect., Airborne Instrument Lab., Inc., Mineola, L.I., N. Y.
 DESJARDINS, J. AURELE (A'55), Sales Rep., R. C. Kahnert Sales, Ltd., Box 8B5, Montreal, P. Q., Canada.
 DES JARDINS, RICHARD A. (S'57-A'57), Field Service Rep., Curtiss-Wright Corp., Electronics Div., 631 Central Ave., Carlstadt, N. J.
 DESKUR, KAZIMIERZ J. (A'53), Assoc. Engr., IBM. Endicett.
- DESKUR, KAZIMIERZ J. (A'53), Assoc. Engr., IBM, Endicott,
- DES LAURIERS, EDGAR L. (A'47), Sales Engr., Westing-house Elec. Corp., Friendship Internati. Airport, Baltimore,
- Md.
 DES LAURIERS, EDWIN D. (A'58), Electronics Engr., Remington Rand Univac, St. Paul 16, Minn.
 DESMARES, PETER C. J. (M'56), Elec. Engr., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.
 DESMOND, NORMAN T. (A'55), Communications Engr., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.
- Off., Canada.

 DESMOND, WILLIAM C., JR. (MISB), Physicist, USN Underwater Sound Lab., New London, Conn.

 DESNOES, ARNOLD B. (AIS2-MISS), Engr., Maint. Practices, New York Telephone Co., 14D West St., New York 7, N.Y.
- DESNOES, WILLIAM B. (S'55-A'57), Engrg. Technician, Adler Electronics, Inc., 1 Lefevre Lane, New Rochelle, N.Y. DESNOYERS, ROGER W. (S'56-M'59), 304 S. Main St., Deep River, Conn.
- DE SOBRINO, RICARDO J. (S'50-A'53-M'59), Consulting Engr., instituto Nacional de Industria, Pt. de Salamanca 8, Madrid, Spain.
- Madrid, Spain.

 DE SOCIO, GEORGE (A'49-SM'51), Project Engr., Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

 DESOER, CHARLES A. (S'50-A'53-SM'57), Assoc. Prof., Elec. Engrg. Dept., Univ. of California, Berkeley 4, Calif. DESPATHY, ROBERT G. (A'55-M'56), Electronics Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 DESPINS, LAURENT J. (S'52-A'54), Electronics Tube Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P. Q., Canada.

 DES PORTES, CALVIN (M'58), Retired, Box 371, Columbus, Ga.

- DESPOSITO, GEORGE J. (A'58), Group Supvr., Subcontract Mngt. Dept., Lockheed Missile & Space Div., Palo Alto, Calif.
- DESROCHERS, RAYNALE. (S'56-M'57), Design Engr., RCA, Moorestown, N. J.
 DES ROCHERS, ROCH D. (S'56-M'58), Engr., RCA, Electron Tube Div., New Holland Ave, Lancaster, Pa.
 DESSAU, HAROLD R. (S'56-M'58), 5403 Newcastle Ave., Encino, Calif.
- Encino, Callt.
 DESSENT, JOSEPH E. (A'58), Mfrs. Rep., Aircraft Radio Corp., 8oonton, N. J.

- DESSER, MARK S. (A'54), Pres., Desser E-E, Ltd., 441 St. Francois Xavier St., Montreal 1, P.Q., Canada. DESTA, BEYER (S'57-M'58), Chlef, Bessaka Radio Receiving Sta., Imperial Board of Telecommunication, Addis Ababa, Ethiopia.
- DESTABELLE, RAY (S'5D-A'54-M'59), Chief Engr., Transducer Div., Technology Instrument Corp., 7229 Atoll Ave., North Hollywood, Calif.
- DE TAR, DONALD R. (SM'47), V.P., Winchester Electronics, Inc., Williard Rd., Norwalk, Conn. DE TAR, JEAN B. (S'47-4'50-M'55), Suppression Engr., Delco Radio Div., 57 Hamer, Detroit 2, Mich.
- DETCHEMENDY, JULES A. (A'47-M'53), Research Asst., Central Institute for the Deaf, B18 S. Kingshighway Blvd., St. Louis 1D, Mo.
- DETERMAN, JOHN D. (S'54-M'56), Electronics Design Engr., Hughes Aircraft Co., Internati. Airport Site, Los Angeles 45, Calif.
- Hughes Aircraft Co., Internati. Airport Site, Los Angeles 45, Calif.

 DETERS, ARTHUR A. (A'47), Geni. Mgr., WTAL, Inc., 535 E. Tennessee St., Tallahassee, Fla.

 DETERVILLE, ROCHE J. (M'57), Chief Engr., Geni. Sintering Corp., 1830 N. 32 Ave., Meirose Park, III.

 DETHLEFSEN, DOUGLAS G. (S'48-A'50-M'55), Mem. Tech. Staff, Space Technology Labs., Inc., Box 950D1, Los Angeles 45, Calif.

 DE THOMASSON, MICHEL M. L. (S'54-M'56), Engr., Compagnie Generale de Telegraphie Sans Fill, 79 Blvd. Haussmann, Paris Beme, France.

 DETLEFS, HAROLD J. (SM'57), Sales Engr., Andrew Corp., Box 416, Ridgewood, N.J.

 DETRICK, DONALD M. (A'47-M'55), Cmdr., USN, Boston Naval Shipyard, Boston, Mass.

 DE TRDY, BRUCE A. (A'56), Sperry Gyroscope Corp., Sysset, L.I., N.Y.

 DETTINGER, DAVID (M'45-SM'51), Chief Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.

 DETTLING, ALFRED K. (A'55), Pres., Park Electronics Corp., Albany Post Rd., Hyde Park, N.Y.

 DETTMAN, MAXWELL C. (A'43-M'48), Project Administrator, ITT Labs., Cilfton, N.J.

 DETTMAN, ROBERT A. (A'57), V.P. & Chief Engr.,

- TIT Labs., Clifton, N.J.

 BETTMAN, ROBERT A. (A'57), V.P. & Chlef Engr.,
 KDAL-TV, 218 Bradley Bldg., Duluth 2, Minn.

 DETTMANN, JAMES R. (S'57-A'58), Assoc. Engr.,
 Boeing Airplane Co., Box 3707, Seattle 24, Wash.

 DETTRA, JOHN E. (S'55-A'57), Radlo Engrg. Consultant,
 George P. Adair Engrg. Co., 161D Eye St., N.W.,

 Washington 6, D.C.

- Washington 6, D.C.

 DE TURRIS, JOSEPH M. (M'59), Elec. Engr., Raytheon M/g. Co., Bedford, Mass.

 DETWEILER, DONALD C. (A'47), Field Service Engr., Lear, Inc., 110 ionia Ave., Grand Rapids 2, Mich.

 DETWEILER, HARLEY L. (M'5B), Sr. Engr., Federal Electric Corp., Paramus, N. J.

 DETWEILER, JAP E. (a'54), Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 DETWEILER, JAE E. (A'55), Jr. Engr., Radlation, Inc., Box 37, Melbourne, Fla.

 DETWEILER, JDE E. (A'55), Jr. Engr., Radlation, Inc., Box 37, Melbourne, Fla.

 DETWILER, JACK R. (S'56-M'58), Asst. Supvr., Customer Training, Convair-Astronautics, 5DD1 Kearney Villa Rd., San Diego, Calif.

 DETWILER, SHEI DON P. (S'48-A'49-M'55), Dr.
- DETWILER, SHELDON P. (S'48-A'49-M'55), Dir., Research & Engr., Lewyt Mfg. Corp., Long Island City 1, N.Y.

- N.Y.

 DETWILER, WILLIAM L. (M'56), Pres., Radio Specialist Co., 2620 Larimer St., Denver 6, Colo.

 DEUITCH, DON E. (S'50-A'51-M'56), Chief Engr., Components Div., Epsco, Inc., 275 Massachusetts Ave., Cambridge, Mass.

 DEUNK, ROBERT K. (A'54), Prop., Robert K. Deunk & Associates, 10005 Chippewa Rd., Brecksville, Ohio.

 DEUSER, DAVID A. (S'51-A'53-M'58), Dev. Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 DEUTCH, HOWARD M. (M'54-SM'58), Liaison Engr., GE Advanced Electronics Center at Cornell Univ., Ithaca, N.Y.

 DEUTSCH, ERNEST M. (S'50-A'52-M'57), Assoc. Engrg., Scientist, New York Univ., 401 W. 205 St., New York 34, N.Y.
- DEUTSCH, HERBERT (A'5B), Teacher, Norwalk High School, Norwalk, Conn
- DEUTSCH, JOSEPH (A'52-SM'58), Mgr., Data Processing Dept., Aeronutronic Systems, Inc., 2701 Halladay St., Santa Ana, Calif.
- Santa Ana, Calif.

 DEUTSCH, KENNETH T. (A'43-M'46), Elec. Engr., U.S. Bureau of Reclamation, Denver Federal Center, Denver, Coto. DEUTSCH, MENACHEM (S'54-M'56), Head, Engro. Dent. Ordnance Hgrs., Israel Defense Forces. Home: c/o Chaim Kashtan, 62 Hamelech George St., Tel-Aviv, Israel. DEUTSCH, RALPH (S'41-A'43-SM'54), Research Mathematician, Hughes Aircraft Co., Culver City, Calif. DEUTSCH, SID (A'46-M'55), Assoc. Prof., Elec. Engro., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N. Y.
- N.Y.

 DEUTSCH, SIMON (A'56), Tech. Publications Mgr., Rodney Associates, Inc., 855 Ave. of the Americas, New York 1, N.Y.

 DEUTSCH, WALTER F. (S'53-M'55), Research Engr., No. Amer. Aviation, Downey, Calif.

 DEUTSCH, WALTER F. (S'53-M'55), Research Engr., No. Electric Mgr., Co., 81DD Florissant, St. Louis, Mo.

 DEVALE, DONALD P. (S'57-M'58), Antenna Engr., Admirat Corp., 38DD Cortland St., Chicago 47, Ill.

 DEVALLE, MARIO (S'52-A'53), Field Jr. Engr., Europe, Sylvania Elec. Prods., Inc., Internati. Corp., 14 Banhof-strasse, Coire, Switzerland.

- DE VALVE, ROBERT H. (S'52-A'53-M'58), I.C.A. S.G.I., APO 254 New York, N.Y.
 DEVANE, MARK E. (A'54), Staff Mem., Lincoln Lab., Lexington 73, Mass
- Ingron 7.5, Mass.

 DEVANEY, RICHARD G. (S'43-A'44-M'55), Sr. Research
 Engr., Tennessee Eastman Div., Eastman Kodak Co.,
 Kingsport, Tenn.

 DEVANEY, RICHARD J. (S'50-A'53-M'58), Sales Engr.,
 IBM, 590 Madison Ave., New York, N. Y.

 DE VANY, BERNARD V. (A'45-M'51), Dev. Engr., ITT
 Labs., Nutley 10, N. J.

- Labs., Nutley 10, n.J.

 DE VAULT, RAYMOND L. (M'56), Mnot., Dev., Natl.
 Sonics Corp., 680 E. Taylor Ave., Sunnyvale, Calif.

 DEVEAU, EMILE J. (M'5B), Assoc. Engr., Genl. Precision
 Lab., Pleasantville, N.Y.

 DE VEAUX, EDMUND C. (M'54), Systems Chief, ECM
 Flight Line, USAF, 1DO A&E Maintron, Pease AFB, N.H.

DEVELET, JEAN A., JR. (S'51-A'55), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 9D534 Airport Sta., Los Ramo-Wooldridge C Angeles 45, Calif.

- 148 -

- Angeles 45, Callf.

 D'EVELYN, ROBERT P. (A'54), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.

 DEVENEY, JAMES D. (S'56-A'57), Calibration Engr., Crosley Div., AVCO Mfg. Co., Evendale, Ohio DEVENNY, CHARLES F., JR. (A'52-M'57), Electronics Engr., RCA, Camden, N. J.

 DEVER, JOHN A. (S'48-A'52-M'57), Dev. Engr., Minneapolis-Honeywell Regulator Co., Wayne & Windrim Aves., Philadelphia 44, Pa.

 DEVEREAUX, RICHARD N. (S'54-A'55), Assoc. Engr., Sparton Electronics, 24DD E. Ganson St., Jackson, Mich. DEVEREAUX, WILLIAM J. (M'57), 5403 Gardner Pl., Springfield, Va.

 DEVEREAUX, JOHN G. F. (A'47)

- DEVEREAUX, WILLIAM J. (M'57), 5403 Gardner P1., Springfield, Va.

 DEVEREUX, JOHN G. F. (A'47), Patent Atty., Raytheon Mig. Co., Waltham 54, Mass.

 de VERSTERRE, WILLIAM I. (S'56-M'57), Applications Engr., RCA Semiconductor Div., Somerville, N. J.

 DEVEY, GILBERT B. (S'45-M'5D), Prod. Mgr., Special Prods. Div., Sprague Electric Co., North Adams, Mass.

 DE VILLIER, JOHN (S'51-A'52-M'57), Mem. Tech., Staff, Ramo-Wooldridge, 55DD EI Segundo Blvd., Los Angeles 45, Calif.

 DE VINCENT, JOSEPH (A'50), Mgr., Prod. Engre. Lab., Avion Div., ACF Industries, 11 Park P1., Paramus, N. J.

 DEVINE, GEORGE F. (M'48-SM'56), Engr., GE Co., Syracuse, N. Y.

 DEVINE, JOHN H. (M'56), Engr., Sperry Gyroscope Corp., Garden City, L. 1., N. Y.

 DEVINE, JOHN M. (A'57), 1st Lt., USAF, L933rd AACS Sodn., APD 864, New York, N. Y.

 DEVINE, PATRICK J. (S'55-M'57), Field Engr., Hughes Aircraft Co., Culver City, Calif.

 DEVINE, WILLIAM F. (A'26-VA'39-M'51-SM'52), Systems Engr., Bendix Aviation Corp., Sox 1159, Kansas City 41, Mo.

- DEVINE, WILLIAM L. (S'57-A'59), 39 Alpha Rd., Dorchester 24, Mass.
- ter 24, Mass.

 DE VINNEY, JOSEPH S. (A'56), Field Engr., Madigan Communications & Electronics Corp., 526 Mineola Ave., Carle Place, L.I., NY.

 DE VIR, J. FREDERIC (S'47-A'51), Foreign Sales, Aero, Minneapolis 13, Minn.

 Minneapolis 13, Minn.
- DE VITA, ALPHONSE J. (A'54-M'59), Engr., Raytheon Mfg. Co., Bedford, Mass.
- DE VITO, GIUSEPPE R. (M'55), Tech. Mgr., Co. El Com-plementi Elettronici, GRMSCI 14, Lacchiarella, Milan, Italy.

- Italy.

 DE VITO, MICHAEL F. (S'52-A'53-M'59), MIcrowave Tube Rating Lab. Engr., RCA, Harrison, N.J.

 DE VOE, HAROLD D. (SM'59), Engr.-In-Chgr., District Office, FCC, Anchorage, Alaska.

 DE VOE, LESLIE M. (A'44-M'55), Partner, Leslie M. De Voe Co., 4D1D Washington Blvd., Indianapolis 5, Ind.

 DE VOLL, CHARLES W. (S'48-A'50-M'55), Staff Engr., Collins Radio Co., 193D HiLine Dr., Dallas 7, Tex.

 DE VOLL, JAMES L. (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 DE VOLL, RALPH L. (SM'52), Staff Engr., Bendix Systems Div., 33D0 Plymouth, Ann Arbor, Mich.

 DE VOCAT, ANTHONET H. (M'49), Chlef Sect. Ionosphere & Radio Astronomy, Netherlands PTT, 11/12 Kortenaerkade, The Hague, Netherlands.
- DE VORE, CHARLES (A'44-SM'54), V.P. & Educational Dir., CREI Atomics, 3224 16 St., N.W., Washington 1D, D.C.
- DE VORE, HENRY B. (A'35-M'40-SM'43), Physicist, RCA,

- DE VORE, HENRY B. (A'35-M'40-SM'43), Physicist, RCA, Princeton, N.J.

 DE VORE LLOYD T. (A'42-SM'44-F'52), V.P. & Dir., Hoffman Science Center, Hoffman Electronics Corp., 3761
 S. Hill St., Los Angeles, Calif.

 DE VORE, ROBERT V. (M'56), Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohlo

 DE VRIES, ADRIAN J. (M'55), Research Engr., Zenith Radio Corp., 6001 W. Dickens, Chicago 39, Ill.

 DE VRIES, DONALD H. (S'56-M'58), Design Engr., Manning, Maxwell & Moore, Muskeopon, Mich.

 DE-WRIES, REUBEN (S'58-A'59), c/o Prakin, 321
 Stanley Ave., Mamaroneck, N.Y.

 DEW, NELSON R. (S'56-A'56), Electronics Technician, Natl. Security Agency, Ft. Meade, Md.

 DEW, WILLIAM M., JR. (S'57-M'58), Systems Design Engr., Chance-Vought Aircraft Co., Dailas, Tex.

 DEWALT, KENNETH C. (A'29-SM'45), Suyt., Shop Operations, Receiving Tube Dept., GE Co., 316 E. 9 St.,

 DEWAN, JOHN T. (M'52), Dey. Engr., Schlumberger Well
- DEWAN, JOHN T. (M'52), Dev. Engr., Schlumberger Well Surveying Com., 5DDD Gulf Freeway, Houston, Tex. DE WEESE, CHARLES R. (M'54), Mgr., Design & Dev., Surveillance & Acc. Dept., Texas Instruments, Inc., 600D Lemmon Ave., Dallas, Tex.
- Lemmon Ave., Jallas, 1ex.

 DE WEESE, HERBERT W. (A'29-VA'39-SM'50), Project Mgr., Airborne Instruments Lab., Mineola, L.I., N.Y.

 DEWEY, CARLYLE S. (A'47-M'55), Production Engr., F. W. Sicles Div., Geni. Instrument Corp., 165 Front St., Chicopee, Mass.

 DEWEY, CHARLES R., JR. (M'57), Deputy Dir., Communi-
- Battle Creek, Mich.

 DEWEY, DONALD C. (S'57-M'58), Instrumentation Engr.,
 Univ. of Southern California Engrg. Center, Box 1001,
 Oxnard, Calif.
- DEWEY, DONALD L. (M'56), Radio Engr., Canadian Pacific Communications, 1255 Phillips Sq., Montreal, P. Q.,

- Canada,

 DEWEY, GORDON C. (A'53-M'56), Pres., G. C. Dewey & Co., Inc., 2D2 E. 44 St., New York 17, N. Y.

 DEWEY, ORVILLE L. (M'54), Mgr., Got. Services Div., Raytheon Mgs. Co., Waltham 54, Mass.

 DEWEY, WILLIAM P. (A'55), Radio & TV Engr., WHDH, 6 St. James Ave., Boston, Mass.

 DEWHIRST, THORTON P. (A'25-VA'39), Chief Engr., Pleasantville Instrument Co., 250 Marble Ave., Pleasantville, N. Y.
- DEWIRE , DONALD S . (M'46-SM'47), Supvg . Engr., Radio & TV, New York Telephone Co., 15B State St., Albany 1 , N. Y.

- DEWIRE, GEORGE M. (M'5B), Standard Systems Engr., GE

- DEWIRE, GEORGE M. (M'5B), Standard Systems Engr., GECo., Lynchburg, Va.

 DE WITT, C. MONTELL, III (M'5B), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L. I., N.Y.

 DEWITT, CARLTON P. (S'51-A'52-M'57), Dir., Engrg., Holk Instrument Labs., Oconto, Wis.

 DEWITT, CALYTON C. (A'51), Engr., RCA. Camden. N. J.

 DEWITT, DAVID (S'3B-A'4D-SM'52), Mgr., Component Engrg., IBM, Pouphkeepsie, N. Y.

 DEWITT, DUANE D. (S'55-M'57), Bureau of Aero. Rep., Douglas Aircraft Co., El Segundo, Calif.

 DE WITT, JOHN H., JR. (A'31-M'3B-SM'43-F'51), Pres., WSM, Inc., 301 7 Ave., N., Nashville 3, Tenn.

 DE WITT, JON S. (M'56), Mgr., Beam Tubes, GE Co., Schenectady, N. Y.

- Schenectady, N. Y.

 DE WITT, RUSSELL G. (S'55-M'57), Project Engr., Internatl. Electric Corp., Paramus, N. J.

 DE WITT, WILLIAM H. (A'5B), Warrant Officer, USN, Service School Command, U. S. N. T. C., Great Lakes, III.

 DE WITZ, GERHARO H. (A'47-M'4B-SM'55), Dir., Engrg., Solar Mfg. Co., 4553 Seville Ave., Los Angeles 5B, Calif.
- DE WOLF, JAMES L. (M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. DE WOLF, JOHN B. (M'57), Partner, Fred F. Bartlett & Co., 16D Mortyn Ave., Bryn Mawr, Pa. DEWOLF, NICHOLAS (M'53), Chief Electronics Engr., Transitron Electronics Corp., 4D7 Main St., Melrose, Mass.

- Mass.
 DE WODDY, ROBERT T. (S'55-M'56), Asst. Prof., Missouri School of Mines, Rolla, Mo.
 DEXTER, CEORGE W. (A'46-SM'55), Mgr., Advanced Dev. Sect., Holfman Labs., Inc., 3761 S. Hill St., Los Angeles 7, Calif.
 DEXTER, PAUL F. (S'54-A'55), Engr., Genisco, Inc., 2233 Federal Ave., Los Angeles 64, Calif.
 DEXTER, WARREN L. (SM'57), Sr. Coordinating Engr., Univ. of California Radiation Lab., Berkeley, Calif.
 DEXTER, WARDEN L. (SM'57), Sr. Coordinating Engr., Univ. of California Radiation Lab., Berkeley, Calif.
- DEXTER, WARREN L. (SM'57), Sr. Coordinating Engr., Univ. of California Radiation Lab., Berkeley, Calif.
- DEYERLE, CHARLES D. (A'55), Defense Prods. Rep., Westinghouse Elec. Corp., 32 N. Main St., Dayton 2,
- DEYO, ALLEN E. (S'47-A'49), Sr. Electronics Engr., Bendix Aviation Corp., 116DD Sherman Way, North Hollywood, Calif.
- DEYO, ROBERT J. (S'52-A'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. DEYOE, DOUGLAS C. (A'51-M'56), Electronics Scientist, Civil Service, U. S. Naval Ordnance Test Sta., Code 3541, China Lake, Calif.
- DE YOREO, RALPH (S'55-M'57), 2 Eldorado St., Rochelle
- DE YOUNG, JDHN A. (A'47-SM'53), Electronics Engr., Polaroid Corp., Cambridge 39, Mass. DE YOUNG, MALCOLM W. (S'55-M'58), Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
- DEYSHER, JAMES B. (S'53-A'54), Engr., Remington Rand Univac, 19DD W. Allesheny, Philadelphia 29, Pa. DEYTON, JASON B., JR. (M'57), Mechtronics Sales Mgr., Pneumafil Corp., 2516 Wilkinson Blvd., Charlotte 8, N. C.
- N. C.
 DEZETTEL, L. M. (A'42), Merch. Mgr., Electronic Kits,
 Allied Radio Corp., 10D N. Western Ave., Chicago 80, III.
 DE ZUBE, LEO H. (M'51), Pres., Calmco, 7500 W. 92
 St., Los Angeles 45, Calif.
 DHANJAL, KARTAR S. (S'53-M'56), Electronics Engr.,
 EPSCO, 240 E. Palais Rd., Anaheim, Calif.
 DHAR, RATTAN L. (A'58), Elec. Engr. Dept., Univ. of
 Washington, Seattle 5, Wash.
 "JEFFENE AL REPT D. (A'43-SM'47-SM'47), Transmis-

- DHAR, RATTAN L. (A'SB), Elec. Engrg. Dept., Univ. of Washington, Seattle 5, Wash.
 D'HEEDENE, ALBERT R. (A'43-M'45-SM'47), Transmission Networks Engr., Bel Tel. Labs., Murray Hill, N. J.
 DHEIN, DARRYL D. (S'56-M'57), Engr., Librascope, Inc., 80B Western Ave., Glendale, Calif.
 DHILLON, GURDIAL S. (M'58), Tech. Asst., Telecommunications Dept., Federation of Malaya.
 D'HOOSTELAERE, ALFONS C. (S'52-A'53-M'58), Supvr., Engrg. Administration, LMED, GE Co., Utica, N. Y.
 DIAD, KHALID M. (S'56-M'5B), Engr., Systems Dev., Westinghouse Elec. Corp., Box 2025, Buffalo, N. Y.
 DIAB, MOSES A. (M'56), Chief, Antenna Dev. Sect., Rome Air Development Center, Rome, N. Y.
 DIAL, ALFRED R. (A'59), Sr. Engrg., Writer, Litton Industries of Maryland, Inc., College Park, Md.
 DIAL, EDWARD W. (M'57), Pres., Genl. Mgr., Buckroe Electronics, Inc., B15 Buckroe Ave., Buckroe Beach, Va.
 DIAMAND, MARCELO (M'56), Owner, Tonomac Industrias Electronicas, Pozos 146, Buenos Aires, Argentina.
 DIAMANT, HENRI B. (A'52-M'58), Asst. Prof., Research, The Pennsylvania State Univ., Dept. of Physics, University Park, Pa.
 DIAMANTIDES, NICK D. (S'48-A'49-M'55), Sr. Dev.

- DIAMANTIDES, NICK D. (S'48-A'49-M'55), Sr. Dev. Engr., Goodyear Aircraft Corp., 121D Massillon Rd., Akron 15, Ohio.
- AKTON LD., Uhlo.

 DIAMBRA, HENRY M. (A'53), Pres. & Genl. Mgr., Engron, Inc., 4902 Lawrence St., Bladensburg, Md.

 DIAMOND, ALBERT (M'55), Chief Engr., Rotating Equipment Dept., Helipot Corp., Box 458, Newport Beach, Calif.
- DIAMOND, ALLEN M. (M'57), Engr., Dalmotor Div., Yuba Consolidated Industries, 1375 Clay St., Santa Clara,
- DIAMOND, DALE M. (S'55-M'57), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.

- Calif.

 DIAMOND, ELLIOTT H. (S'46-A'49), Engr., Bell Tel.
 Labs., Whippany, N. J.

 DIAMOND, FRED I. (A'51-M'56), Supvy, Electronics Engr.,
 Rome Air Development Center, Rome, N. Y.

 DIAMOND, GEORGE H. (M'57), Engr., American Bosch
 Arma Corp., Carden City, L. I., N. Y.

 DIAMOND, HYMEN (M'47), Sect. Mgr., Patent Atty., Westinghouse Elec. Corp., 700 Braddock Ave., East Pittsburgh,
 Pa.
- DIAMOND, JAMES R. (S'57-M'58), Electronics Engr., MOAMA, Brookley AFB, Mobile, Ala.

DIA-DIE - 149 -

- DIAMOND, JOSEPH E. (S'56-M'57), Project Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.
- DIAMOND, JOSEPH M. (S'44-A'47-M'55), 200 Columbia Hgts., Brooklyn 1, N. Y.
- DIAMOND, MAURICE (A'57), Test Engr., Convair, San Diego, Calif.
- DIAMOND, MAURICE (A'57), Test Engr., Convair, San Diego, Calif.

 DIAMOND, MICHAEL (M'53), Customer Engr., Fairchild Camera & Instrument Corp. of Canada, Ltd., 950 Richards St., Vancouver 2, B. C., Canada.

 DIAMOND, PHILLIP (M'52-SM'56), Pres., Perkin Engrg. Corp., 345 Kansas St., El Segundo, Calif.

 DIAMOND, SIMON (A'45-M'47), Sales Engr., 75 West St., New York 6, N., V.

 DIAVATIS, NICHOLAS D. (5'56-A'57), Field Rep., Internati. Electronics Mig. Co., 600 E. Dayton Dr., Fairborn, Ohio.

 DIAZ., JOEL O. (S'55-M'57), Inspector Tecnico, Direccion

- Fairbom, Ohio.

 DIAZ, JOEL O. (S'55-M'57), Inspector Teorico, Direccion
 G. De Teorica, Ministerio De Comunicaciones, 151 Sarmiento, Buenos Aires, Argantina.

 DIAZ, LEO V. (A'52), Field Engr., Philoc Radio Corp.,
 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 DIAZ NORIEGA, JOSE M. (S'50-A'55-M'56), Supvr.,
 Engrg., Tubacero, S. A. Apartado 809, Monterrey, N. L.,
 Mexico.

- Mexico
 DIBBLE, HAROLD L. (M'56), Engr. "AA," RCA Service
 Co., Patrick AFB, Fla.
 DIBB, GEORGE (S'51-A'52-M'57), Systems Engr., GE Co.,
 LMED, Johnson City, N. Y.
 DIAZ, ROJAS, HILDEBRAM (S'56-M'58), Engr., Esso
 Standard Oil Co., S. A., Box 1169, Havana, Cuba.
 DIBBLE, THEODORE R. (M'56), Engr., Supvr., Nortronics
 Div., Northrop Aircraft, Inc., 222 N. Prairie St., Hawthorne, Calif.

- thorne, Calif.

 DIBENEDETTO, GREGORY J. (S'55-M'58), Elec. Engr.,
 American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn.

 DI BIAS, ROBERT L. (S'56-M'58), Engr., Clauled Co.,
 860 S. Los Angeles St., Los Angeles 14, Calif.

 DIDIASC, A. FREDERICK (M'57), Sr. Electronics Engr.,
 Magnetron Dev., Bomac Labs., Inc., 8 Salem Rd., Beverly,
 Mass.
- Magnetron Dev., Bomac Labs., Inc., 8 Salem Rd., Beverly Mass.

 DIBIASE, VIRGILIUS L. (5'58-M'59), Design Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N. H.

 DI BLASI, JOHN (M'44-SM'52), Owner, Cooper-Di Blasi, 90 Main St., Port Washington, L. I., N. Y.

 DIBNER, DAVID (M'57), Commercial Sales Mgr., Burndy Corp., Richards Ave., Norwalk, Conn.

 DIBOS, RICHARD A. (M'49), Systems Analysis Lab., Huches Aircraft Co., Culver City, Calif.

 DIBRELL, JAMES W. (M'46), Pres., Mayer & Dibrell & Co., Western Saving Fund Bldg., Philadelphia 7, Pa.

 DI CAMPLI, BENJAMIN A. (A'49-M'55), Project Engr., U. S. Army Signal Corps Supply Agency, 225 S. 18 St., Philadelphia 3, Pa.

 DICARLO, VICTOR J. (A'53-M'58), Jr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 DICE, WALTER H. (M'58), Marine Electronic Engrg. Servic

- Ohio.

 DICE, WALTER H. (M'58), Marine Electronic Engrg. Service, 1921 S. W. 48 Aye., Ft. Lauderdale, Fla.

 DI CECIO, SAL A. (A'47-M'51), Dir., Prod. Design & Dev., Panellik, Inc., 7401 N. Hamlin Aye., Skokie, Ill.

 DICK, ARNOLD I. (S'47-A'49-M'55), TV Engr., NBC, 30 Rockefeller Plaza, New York 20, N. Y.

 DICK, CHARLES W. (S'57-M'58), Seismic Supr., Western Geophysical Co., 5912 N. W. 62 St., Oklahoma City 12, Okla.

- City 12, Okla.

 DICK, DONALD N. (S'57-M'59), Elec. Engr., U. S. Naval Engrg. Experiment Sta., Annapolis, Md.

 DICK, JOHN O. (S'48-A'49-M'54), Supur., Electronics Engr., Naval Ordnance Lab., Corona, Calif.

 DICK, THOMAS M. (A'46-M'51), Hazeltine Electronics Corp., Little Neck 62, L. I., N. Y.

 DICKE, AMOS H. (A'51-M'55), 1108 Willowdale Ave., Kettering 9, Ohio.

- NEME, AMUS N. (A'31-M'30), 1108 Willowdale Ave., Kettering 9, Ohio.

 DICKEN, HOWARD K. (S'54-M'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.

 DICKENMAN, RICHARD L. (S'57-M'59), Electronics Engr., Convair, San Diego 12, Callf.

 DICKENS, BERNARD L. (S'50-A'54-M'59), Airborne Fire Control Engr., RCA, Camden, N. J.

 DICKENSHEETS, LEWIS (A'50), Asst. Mgr., North Texas Radio, Inc., KWFT, 904 Travis, Wichita Falls, Tex.

 DICKENSON, JAMES P., JR. (S'56-M'57), Engr., RCA Service Co., Patrick AFB, Fla.

 DICKER, PAUL E. (S'47-A'50-M'56-SM'59), Assoc. Prof., Elec. Engr., Vanderbilt Univ., Box 1561, Sta. B., Nashville, Tenn.

 DICKERHOFF, REUEL M. (S'58-M'59). Engr. Acromag.

- B., Nashville, Tenn,
 DICKERHOFF, REUEL M. (S'58-M'59), Engr., Acromag,
 Inc., 22519 Telegraph Rd., Detroit 41, Mich.
 DICKERMAN, JOHN J. (M'59), Staff Engr., Waldorf Instrument Co., Wolf Hill Rd., Huntington Sta., L. I., N. Y.
 DICKERSON, ARTHUR F. (SM'55), Mgr., Prod. Planning,
 GE Co., 9 & Lewis Sts., Owensboro, Ky.
 DICKERSON, DONALD H. (M'54), Sr. Electronics Engr.,
 Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- DICKERSON, LEWIS W. (A'55), Electronics Design Engr., Lockheed Missile Systems Div., Box 504, Sunnyvale, Calif.

- Calif.

 DICKERSON, NEIL 1. (M'57), Engr., Western Electric Co., 220 Church St., New York 13, N. Y.

 DICKERSON, TULLY J. (S'55-M'58), Staff Mem., Sandia Corp., Sandia Base, Albuqueroue, N. M.

 DICKEY, CLVDE W. (A'53-M'58), Sr. Project Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 DICKEY, DARRELL R. (S'56-M'58), Assoc. Engr., Lockheed Aircraft Co., Sunnyvale, Calif.

 DICKEY, DAVID F. (M'57), Dir., Research & Dev., Firth Sterling, Inc., 311:3 Forbes St., Pittsburgh, Pa.

 DICKEY, DONALD W. (A'42-M'46-SM'54), Assoc. Prof., Elec. Engr., Newark College of Engrg., 367 High St., Newark 2, N.J.

 DICKEY, EDWARD T. (S'15-A'17-M'23-SM'43). Coordin-
- DICKEY, EDWARD T. (S'15-A'17-M'23-SM'43), Coordinator, RCA Labs., Princeton, N.J.
 DICKEY, FRANK R., JR. (S'49-A'51-SM'55), Consulting Engr., GE Co., Syracuse, N.Y.

- DICKEY, FRED E. (S'43-A'45-M'50-SM'52), Dev. Engr., GE Co., Schenectady 1, N.Y.

 DICKEY, JOSEPH L. (M'56), Mgr., Anti-Submarine Warfare, Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 DICKEY, ROY S. (M'59), Cast., USAF, Air Force Institute of Technology, Wright-Patterson AFB, Ohio.

 DICKEY, RUSSELL G. (S'50-A'52-M'57), Tech. Specialist, Aerojet-Genl. Corp., 6352 N. Inwindale Ave., Azusa, Calif.

 DICKEY, VERNON F. (S'57-M'58), Elec. Engr., U.S. Army Signal Research & Development Lab., Ft. Momonth, N.J.

 DICKEY, WILLIAM S. (SM'55), Prolect Mgr., Western Design, Santa Barbara Airport, Goleta, Calif.

 DICKIESON, ALTON C. (SM'44), Dir., Transmission Systems Dev., Bell Tel. Labs., Murray Hill, N.J.

 DICKINSON, DEAN B. (M'57), Staff Suoply Officer, U.S. Army Combat Development Experimentation Center, Ft. Ord, Calif.

- Calif.

 ICKINSON, GEORGE R. (M'52), Project Coordinator, Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.

 ICKINSON, HOLLEY B. (A'56), Dir., Datalab Div., Consolidated Electrodynamics Corp., 620 N. Lake St., Pasadena, Calif.
- DICKINSON, HORACE (A¹53), Chief Electronics Engr., Vapor Recovery Systems Co., 2820 N. Alameda St., Compton, Calif.
- Calif.
 DICKINSON, IRVIN E. (A'48-M'55), Tech. Dir., McClatchy
 Broadcasting Co., 21 & Q Sts., Sacramento, Calif.
 DICKINSON, JAMES O. (M'51), Plant Wire Chief, The Chesapeake & Potomac Telephone Co. of Virginia, 404 S. Henry
 St., Williamsburg, Va.
- peake & Potomac Telephone Co. of Virginia, 404 S. Henry St., Williamsburg, Va.

 DICKINSON, MARVIN A. (S'53-A'54), Safety Engr., Southwestern Gas & Electric Co., 122 E. Broad, Texarkana. Ark.

 DICKINSON, MONROE M., JR. (S'51-A'53-M'57), Sr. Engr., IBM, Owego, N.Y.

 DICKINSON, PHILIP C. (S'55-M'57), Electronics Scientist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 DICKINSON, PICHARD M. (S'55-M'58), 4604 Harley St., Ft. Worth 7, Tex.

 DICKINSON, ROBERT H. (M'49-SM'55), V. P. & Mgr., Development Systems, Inc., 2326 Diversified Way, Orlando, Fla.

- do, Fla.

 DICKINSON, ROBERT V. C. (S'49-A'51), Project Engr.,
 Sanders Associates, 95 Canal St., Nashua, N. H.

 DICKINSON, THEODORE M. (A'29-VA'39-M'55), Project
 Engr., GE Co., Schenectady 5, N. Y.

 DICKINSON, WILLIAM A. (A'38-M'44-SM'45), Sect. Head,
 Cathode-Ray Tube Design, Sylvania Elec. Prods., Inc.,
 Seneca Falls, N.Y.

 DICKINSON, WILLIAM T. (C'42-AUG. NUCL)

- Seneca Falls, N.Y.

 DICKINSON, WILLIAM T. (S:42-A:45-M:55), Engrg. Dir., Research & Dev., Jansky & Bailey, Inc., 1339 Wisconsin Ave., N. W., Washington 7, D. C.

 DICKMAN, ALFRED (A:54-M:56-SM:58), Sr. Components Engr., Sperry Gynosope, Great Neck, L.I., N.Y.

 DICKMAN, BERNARD G. (S:55-M:57), Sr. Technical Asst., Surface Communication Systems, RCA, 75 Varick St., New York, N.Y.
- DICKMAN, FRED R. (A'58), Capt., USAF, Electronics Engr., Hill AFB, Utah. DICKNEITE, ALPHONSE J. (S'56-A'57), Lab. Technician, McDonnell Aircraft Corp., Lambert Municipal Airport, St.
- Lours, MO.

 DICKON, ADAM J. (A'46-M'55), Sr. Engr., Nuclear Div., Combustion Engr., Prospect Hill Rd., Windsor, Conn.

 DICKSON, ALAN R. K. (A'50-M'56), Engr., Standard Electric Argentina, S. A. I. y. C., Uruguay 1037, Buenos Aires, Argentina.

- Argentina.

 DICKSON, ARTHUR W. (M'52), Sect. Head, Detroit Controls, Inc., 934 Washington St., Norwood, Mass.

 DICKSON, DONALD C., JR. (S'45-A'45-M'55), Prod. Mgr., Diodes, Motorola Semiconductor Prods. Div., 5005 E. McDowell Rd., Phoenix, Ariz.

 DICKSON, FRED J. (A'54), Supvr., Tech. Operations, Canadian Broadcasting Corp., 120 7 Ave., W., Calgary, Alta., Canada.

 DICKSON, FEPDFEICH (S'38-A'43-M'55) Div. 15 Ch. 15 Ch.
- DICKSON, FREDERIC H. (S'38-A'43-M'55), Dir., U.S. Army Signal Radio Propagation Agency, Ft. Monmouth, N.J.
- Army Signal Radio Propagation Agency, Ft. Monimouti, N. J. DICKSON, JOHN D. (S¹56-M¹59), Assoc. Design Engr., Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif. DICKSON, JOHN F. (M¹47), Electronics Engr., Hurs. U.S. Army Security Agency Europe, Hyrs. USASAEUR, APO 757, New York, N.Y.
- New York, N.Y.

 DICKSDN, WALTER H. (A'53), Prod. Planner, Mobile Communications, GE Co., Syracuse, N.Y.

 DICKSTEIN, HAROLD D. (S'50-A'51-M'56-SM'57), Asst. Research Group Engr., Convair, Box 1128, San Diego 12, Calif.
- Calif.
 DICKSTEIN, MARTIN (S'50-A'51-M'56), Engr., CBS, 485
 Madison Ave., New York 22, N.Y.
 DICKSTEIN, STANLEY R. (S'49-A'53-M'59), Electronics
 Engr., Kay Electric Co., 14 Maple Ave., Pine Brook, N.J.
 DI COSTANZO, JOHN A. (M'56), Staff Engr., IBM, Kingston,
- N.Y.
 DIDDENS, PAUL A. (M'59), Chief Engr., Performance Measurements Co., Detroit, Mich.
 DIDEUM, MILTON A. (A'53), Test Equipment Engr., Genl.
 Instruments Corp. F.W. Sickles Div., 165 Front St.,
 DINDECER GEROSCH. 18.
- DIDINGER, GEORGE H., JR. (A'49-M'55), Tech. Dir., Kemet Co., Madison & W. 1.17 St., Cleveland, Ohio. DIDIO, ROBERT E. (A'49), Customer Engr., IBM, 43 Harvard St., Worcester 8, Mass.
- St., Worcester 8, Mass.
 DIDRA, WARREN E. (5'53-A'53), Electronics Design Engr., Entron, Inc., 4902 Lawrence St., Bladensburg, Md.
 DIDRIKSEN, JAMES B. (5'54-A'55), Design Analytical Engr., Sikorsky Aircraft, 1 South St., Bridgebort, Conn.
 DIEBOLD, BARNEY A. (M'54), Chief, Components & Materials Branch, Signal Equipment Support Agency, Ft. Monmouth, N.J.

- N.J., Assume Equipment Support Agency, Ft. Monmouth, DIEBOLD, JOHN T. (A'54), Pres., John Diebold & Associates, Inc., 40 Wall St., New York 5, N. Y. DIEDERICH, PERRY A. (M'57), Mem. Tech. Staff, Bell Tel. Loba., Murray Hill, N. J. DIEDERICHS, JOHN K. (A'54), Dir., Engrg. Economics Research, Amour Research Foundation of Illinois Institute of Technology, 10 W. 35 St., Chicago 16, Ill. DIEDRICH, WALTER A. (S'49-A'52-M'57), Mem. Tech. Staff, Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

- DIEGO, J. MANUEL (S'57-M'59), Design Engr., Comercial Electrica, S.A., 233 S.E. Carranza, Sabinas, Coahulla, Mexico. DIEHL, CHARLES E. (M'49), Elec. Engr., Box 1535, Salt Lake City 10, Utah.
- DIEHL, DAVID W. (M'57), Design Engr., RCA, Camden, N.J.

- N. J.

 N. J., vesign engr., RCA, Camden,
 N. J.

 DIEHL, EARL J. (S'42-A'45-SM'53), Mgr., Airbome
 Equipment Branch, Melpar, Inc., 3000 Arlington Blvd.,
 Falls Church, Va.

 DIEHL, FORREST A. (M'56), Electronics Engr., Civil
 Service, AEFG, Ft. Huachuca, Ariz.

 DIEHL, HAROLD A. (S'48-A'49-M'55), Project Engr.,
 Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 DIEHL, JAMES A. (A'50), Sales Engr., Sundial instrument
 Service, McMillan, Fairview & Ravine Sts., Cincinnati 19,
 Ohio.

- DIEHL, JAMES A. (A'50), Sales Engr., Sundial Instrument Service, McMillan, Fairview & Ravine Sts., Cincinnati 19, Ohio.

 DIEHL, JOHN G. (S'56-M'56), Engr., Bendix Prods. Div., 400 S. Bleger St., Mishawaka, Ind.

 DIEHL, JOHN H. (M'58), Engr.-in-Chq., Test Equipment Lab., Sylvania Elec. Prods., Inc., Batavia, N. Y.

 DIEHL, LLOYD G. (A'54), Electronics Engr., Avion Div., ACF. Industries, Inc., 800 N. Pitt St., Alexandria, Va.

 DIEHL, ROBERT T. (A'55), Dir., Planning, ITT Co., Industrial Prods., San Fernando, Callf.

 DIEHL, WILLIAM F. (A'19-M'29-F'36), Asst. V. P., Dumont-Airplane & Marine Instruments, Inc., Clearfield, Pa. DIEHL MANN, JOHN T. (M'57), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L. I., N.Y.

 DIEHN, RICHARD J. (A'55), Radio Engr., Community Broadcasting Co., Bell Bidg., Toledo 14, Ohio.

 DIELI, ALFRED P. (A'57), Staff Asst., The Brooklyn Union Gas Company, 176 Remsen St., Brooklyn, N.Y.

 DIELL, FRANK J. (A'39-SM'55), Chief Engr., Cia Distribuidora Mercantil, S. A., Rhin #33, Mexico 5, D. F., Mexico.

 DIELS, JAN C. (M'58), Scientific Attache, Netherlands Embassy, Euclid St., N. W., Washington, D. C.

 DIEM, C. GRORGE W. (M'45), Cost Engr., Chrysler Corp., Box 26.28, Detroit 31, Mich.

 DIEM, CRARLES W. (A'57), St. Fengr., Chrysler Corp., C & Tioga Sts., Philadelphia 34, Pa.

 DIEMR, FERDINAND P. (S'46-A'49-M'55), Sr. Staff Engr., Hughes Aircraft Co., Culver City, Calif.

 DIENG, CRORCE W. (M'45), Cost Engr., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.

 DIEMR, FERDINAND P. (S'46-A'49-M'55), Sr. Staff Engr., Hughes Aircraft Co., Culver City, Calif.

 DIENG, CRORCE W. (M'45), Cost Engr., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.

 DIEMR, FERDINAND P. (S'46-A'49-M'55), Ars. Staff Engr., Hughes Aircraft Co., Culver City, Calif.

 DIENG, GRORGE W. (M'45), Cost Engr., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.

 DIEMR, FERDINAND P. (S'46-A'49-M'55), Ars., Mgr., Elec. Engr., Rugers Univ., New Brunswick, N. J.

 DIEPEVEEN, NEAL (S'50-A'51-M'56), Asst., Mgr., Elec. Engr., Computer Engr.,

- DIERCKS, ALLEN D. (S'56-M'57), Research Engr., Computer Engrg. Associates, 350 N. Halstead, Pasadena, Calif.
- Call.

 DIERINGER, FRANK A. (A'35-VA'39), Chief Engr., The WFMJ Broadcasting Co., 101 W. Boardman St., Youngstown 3, Ohio.

- Voungstown 3, Ohio.

 DIERINGER, WILLIAM K. (M'59), 204 E. Lincoln Way, Minerva, Ohio.

 DIEREN, KENNETH C. (M'55), Sr. Test Design Engr., Autonetics Div., No. American Aviation, Downey, Calif. DIERSING, CLARENCE B., JR. (M'57), Project Engr., Bendix Radio Div., Towson 4, Md.

 DIERUF, BURTON E. (M'59), Staff Mem., Sandia Corp., Sandia Base, Albuqerque, N. M.

 DIESSNER, OSCAR G., JR. (S'55-M'57), 2nd Lt., USAF, 22nd Comm. Const. Sadn., Kelly AFB, San Antonio, Tex. DIESTELHORST, GLEN A. (S'57-A'59), Two-Way Communication Repairman, Motorola C. & E., 1616 Rollins Rd., Burlingame, Calif.

 DIETER, M. RALPH (S'56-A'57). Field Engr., Burroughs
- Rd., Burlingane, Calif.

 DIETER, M. RALPH (S'15-A'57), Field Engr., Burroughs Corr., 617 W. Genesee St., Syracuse, N.Y.

 DIETER, NORMAN H., JR. (S'50-A'52-M'57), Sect.
 Head, Sonotone Corp., Elmsford, N.Y.

 DIETERICH, ERREST J. (A'53-M'59), Staff Engr., Datamatic Div., Minneapolis-Honeywell Regulator Co., 151

 Needham St., Newton Highlands 61, Mass.

- Needham St., Newton Highlands 61, Mass.
 DIETERLE, MARCUS W. (M'58). Electronics Engr., Hgrs.,
 Wright Air Development Center, Aerial Reconnaissance Lab.,
 Wright Patterson AFB, Ohio.
 DIETIKER, WALTER (S'53-M'59), Asst. Research Officer,
 Natl. Research Council, Ottawa 2, Ont., Canada.
 DIETMEYER, DONALD L. (S'52-M'58), Asst. Prof., Univ.
 of Wisconsin, Elec. Engrg. Bldg., Madison 5, SWis.
 DIETIMEYER, CHARLES W. (S'53-M'59), Sr. Engr., Bolt
 Beranek & Newman, Inc., 50 Moulton St., Cambridge 38,
 Mass.

- DIETRICH, CHARLES W. 19.39-M9.797, 37. Engr., bott Beranek & Newman, Inc., 50 Moulton St., Cambridge 38, Mass.

 DIETRICH, EARL S. (A'52), Owner, Earl S. Dletrich Co., 110 East End Ave., New York 28, N.Y.

 DIETRICH, FREDERICK (A'14-VA'39XL), Retired, 1136 5 Ave., New York 28, N.Y.

 DIETRICH, FREDERICK (A'15), 3131-A W. Apache Housing, Ft. Huachuca, Ariz.

 DIETRICH, JOHN W. (A'59), Instr., Cleveland, Ohio.

 DIETRICH, JOHN W. (A'59), Instr., Cleveland, Ohio.

 DIETRICH, ROBERT G. (S'56-M'59), 8464 Edna St., St. Louis 15, Mo.

 DIETRICH, ROBERT W. (S'57-M'58), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 DIETSCH, CARL G. (J'18-A'23-VA'39-SM'49), Asst. Mgr., Transmitter/Antenna Facilities, RCA Communications, Inc., 66 Broad St., New York 4, N.Y.

 DIETZ, ARTHUR P. (M'58), Dept. of Physics, Georgetown Univ., Washington 7, D.C.

 DIETZ, ARTHUR P. (M'58), Dept. of Physics, Georgetown Univ., Washington 7, D.C.

 DIETZ, LAWIG, G. (A'41-M'55), Pres., The Henry G. Dietz Co., Inc., 12-16 Astoria Bivd., Long Island City 2, N.Y.

 DIETZ, JAMES H. (S'51-A'59-M'57), Assoc., Moore School of Elec. Engrg., 33 & Walnut Sts., Philadelphia 4, Fa.

 DIETZ, JAMES R. (S'56-M'59), Elec. Engr., Air Force (Givillan) WCLNE-L, Wright-Patterson AFB, Ohio.

 DIETZ, LAWRENCE A. (A'56), Dev. & Design Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago, Ill.

- DIETZ, WILLIAM J. (A'54), Sr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia, Pa. DIETZE, HANS O. (A'58), Design Engr., RCA, Camden, N.J.
- DIETZOLD, ROBERT L. (M'40-SM'43-F'55), Dir., Military Systems Studies, Bell Tel. Labs., Whippany, N.J.
- Military Systems Studies, Bell Tel. Labs., Whippany, N. DIEZ, FRANCISCO L. (S'56-A'57), Luis Saenz Pena 130, Buenos Aires, Argentina.
 DIFFIN, KEITH S. (M'59), Prod. Engr., Westem Electric Co., 1600 Osgood, North Andover, Mass.
 DIFFORD, LIONEL A. (A'52), Mathematician, System Dievelopment Corp., 250D Colorado Ave., Santa Monica,
- DIFRANCO, JULIUS V. (S'50-A'51-M'58), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. DI FUSCO, FRANCIS J. (M'55), Mgr., Publications Dept., ITT Service Div., Federal Electric Corp., Paramus, N. J. DIGAN, THOMAS E. (A'54), Dev. Engr., IBM, Kingston,
- N.Y.

 DIGBY, JAMES F. (S'43-A'45-SM'52), Research Engr., The Rand Corp., 1700 Main St., Santa Monica, Calif.

 DIGENOVA, FRANK (A'53), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 DIGGELMANN, HANS (M'57), Research Engr., Hasler, Ltd., Belpstrasse, Berne, Switzerland.

 DIGGS, BILLY H. (M'58), Project Engr., Oklahoma City Ground Electronic Engrg. Installation Agency, Tinker AFB, Okla.

- Ground Electronic Engrg, installation Ayency, Innex AFD, Okla.

 DI GIACOMD, JOSEPH J. (S'56-M'59), 720 Kenmore Rd., Philadelphia 31, Pa.

 DIGILIO, ROLAND C. (S'54-A'55), Supoy, Buyer, Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 OI GIORGIO, JOHN A. (M'52), Electronics Scientist, AFCRC-ARDC, Hanscom Field, Bedford, Mass.

 DI GIOVANNI, ALBERT E. (S'55-A'55), Tech. Aide, Bell Tel. Labs., Murray Hill, N. J.

 DIGIULID, EDMUND M. (A'54), Asst. to Dir., Engra., Control Inst. Co. Sub., Burroughs Corp., 67 35 St., Brooklyn 32, N.Y.

 DI GIUSEPPE, ANTHONY (A'51-M'56), Research Specialist, Lockheed Aircraft Corp., Sumyvale, Calif.

 DIGNAZIO, LOUIS A. (M'59), Elec. Engr., Atlas Powder Co., Box 271, Tamaqua, Pa.

 DIGRINDAKIS, MICHAEL (S'55-M'56), Engr., ITT Labs.,

- CO., Box 271, Tamaqua, Pa.
 DIGRINDAKIS, MICHAEL (S'55-M'56), Engr., ITT Labs.,
 Nutley 10, N.J.
 OI JULIUS, JOHN R., JR. (A'58), Sales Engr.,
 Pioneer Electronic Supply Co., Cleveland, Ohio.
 DIKE, SHELDON H. (S'40-A'41-SM'48), Pres., The
 Dikewood Corp., 4865 Menaul Blvd., N.E., Albuquerque,
 N.M.
- N.M.
 DIKINIS, DAUMANTAS V. (S'55-M'56), Engr., Elec Consulting, 1382 N. University Ave., Decatur, III.
 DIKMEN, BESIMI. (S'41-A'44-M'55), Pres., United Engrs., Inc., 824 E. 6 St., Tulsa 20. Okla.
 DILATUSH, EARLE (A'44-M'49), Production Engr., Boonton Electronics Corp., 738 Speedwell Ave., Morris Plains, N.J.

- Plains, N.J.

 DILKS, U. CLARKE S. (M'45-SM'58), Assoc. Dir., Commercial Prods., Burroughs Corp., Research Center, Paoli, Pa.

 DILL, CLAUDE T. (A'59), Engr., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas, Tex.

 DILL, EVERETT C. (M'46), Co-ordinating Engr., East River Electric, Madison, S.D.

 DILL, FRANK J. (A'52-M'57), Engr., Collins Radio Co., Cedar Rapids, Jowa.

 DILL, FREDERICK H., JR. (S'55-M'58), Assoc. Engr., IBM, Poughkeepsie, N.Y.

 DILL, GEORGE D. (S'57-M'57), 441 Hillsdale Ave., Santa Clara, Calif.)

- Santa Clara, Calif.

 DILL, HANS G. (M'58), Design Engr., Hughes Prods. Co., Newport Beach, Calif.

 DILL, HERBERT J. (S'57-M'58), Engr.-in-training, Lenkurt Electric Co. of Canada, Ltd., 7C18 Lougheed Hwy., North Burnaby, B. C. Canada

 DILL, JAMES M. (A'53), Sr. Research Engr., Ratigan Electronics, Inc., 425 W. Cypress, Glendale, Calif.

 DILL, JOSEPH J. (M'57), Liaison Engr., Eltel-McCullough, Inc., 798 San Mateo Ave., San Bruno, Calif.

 DILLABY, EOWIN F. (A'29-VA'39-SM'54), Sr. Engr., CBS Hytron, 100 Endicott St., Danvers, Mass.

 DILLAPLAIN, VERNON L. (A'49-SM'53), Asst. Chief Engr., KTHV (TV), 8 & Izard Sts., Little Rock, Ark.

 DILLARD, EVERETT L. (A'38), Genl. Mgr., Commercial Radio Equipment Co., 1319 F St., N.W. Washington 4, D.C.

- DILLENBACK, GARRETT V., JR. (M155), Slingerlands,
- DILLEY, JOHN E. (A'47-M'58), Mgr., 1TV, Engrg., RCA, Camden, N.J.
- Camden, N.J.

 DILLEY, LORIS E. (S'54-A'55), Elec. Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif. DILLINGER, WELLINGTON D. (SM'57), U. S. Army Attache, APO 285, New York, N. Y.

 DILLINGHAM, HARLEY C. (A'30-SM'46), Prof., Elec. Engre., A. & M. College of Texas, College Sta., Tex.

 DILLINGHAM, JOHN H. (M'55), Engra. Technician, USASAOC Army Electronic Proving Ground, 8ox 394, Ft. Huachtoca, Ariz.

- Huachuca, Ariz.

 DILLON, OAVID C. (S'56-M'58), 641st ACWRON, Box 5, APO 677, New York, N. Y.

 DILLON, JACK C., JR. (S'49-A'51-M'58), Field Engr., Philos Corp., 225t. & Lehigh Ave., Philadelphia, Pa.

 DILLON, JAMES J. (S'58-A'58), Leader, Amplifier Repair, Bendix Aviation Corp., Teterboro, N.J.

 DILLON, JAMES R. (M'55-SM'57), CONARC Rep., North American Air Defense Command, Test Group, Ent AFB, Colorado Springs, Colo.
- DILLON, LEOC. (M'56), Applications Engr., GE Co., 316 E 9 St., Owensboro, Ky. DILLON, MAURICE M. (A'55), Design Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
- DILLON, PAUL (A'44-M'47), Elec. Engr., Instrumentation Div., Fischbach & Moore, Inc. 4312 Elm St., Oallas,
- OILLON, RICHARD S. (S'50-A'51-M'56), Sr. Engr., Environmental Test, Nortronics Oiv., Northrop Aircraft, Inc., Hawthorne, Calif.

- DILLON, ROBERT B. (S'56-M'57), Engrg. Services Co., 4550 Main St., Kansas City 14, Mo. DILLON, THOMAS P. (A'54), Design Elec, Engr., RCA,
- DILLOW, JOSEPH C. (A'46-M'55), Col., USAF, Dir., Communications, Rome Air Development Center, Griffiss AFR. N V
- DILLS, RALPH S. (S'58-M'59), 823 Lincoln, Cuyahoga Falls, Ohio.

- Falls, Ohio.

 DILLS, WILLIAM L. (M'55), E. I. du Pont de Nemours & Co., Pigments Dept., Wilmington, Det.

 DI LORENZO, BERNARD A. (M'57), Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 DI LORETD, ADIO A. (A'47), Owner-Mgr., Television Specialist of N. E., 151 Stoughton St., Dorchester 25, Mass.

 DI LORETO, CLEMENT D. (S'57-M'59), 7840 Daniels Ave., Baltimore 14, Md.
- Ave., Oattimore 14, Mo.
 DILSON, JESSE (A'48-M'55), Sr. Tech. Writer, Miles-Samuelson, Inc., 21 E. 26 St., New York, N. Y.
 DILWORTH, GEORGE H. (S'53-A'54), Rte. 1, Box 120, Hemet, Calif.
- DILZ, ALBERT E., JR. (M'56), Design Engr., II, Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- Onio.

 DI MARCO, ADOLFO (A'39-M'45-SM'53), Prof., Radio Engrg., Universidad Nacional de Buenos Aires, Avda. Las Heras 2230, Buenos Aires, Argentina.

- Engry, Universidaa Nacional de Buenos Aires, Avda, Las Heras 2230, Buenos Aires, Argentina, DI MARCO, ANTHONY F. (M'56), Sr. Engr., Mgr., Prod. Design, IBM, Kingston, N. Y.
 DIMASI, LOUIS A. (S'47-A'48-M'55), Director, Penn Tech. Institute, 5440 Penn Ave., Pittsburgh 6, Pa.
 DI MASSO, RINO T. (S'54-A'55), Elec. Engr., Diamond Ordnance Fuze Labs., Washington 25, D. C.
 DI MATTEO, PAUL L. (S'50-A'55), Elec. Engr., Diamond Ordnance Fuze Labs., Washington 25, D. C.
 DI MATTIA, ALFRED L. (A'45), Sr. Project Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 DI MATTIA, ALFRED L. (A'45), ASSL. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 DI MEGLIO, EUGENE (A'49), ASSL. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 DIMICK, CHARLES V. (S'155-M'57), Electronics Engr., Collins Radio Co., 1935 Irving Blvd., Dallas, Tex.
 OIMMER, ROBERT P. (A'42-M'45-SM'46), Sr. Project Engr., Genl. Telephone Lab., Inc., Box 17, Northlake, III.
 DIMMICK, RALPH R. (M'56), Oev. Engr., Berkeley
 Div., Beckman Instruments, Inc., 2200 Wright Ave., Richmond, Calif.
 DIMMICE, HENRY F. (S'53-A'55-M'59), Elec. Engr., Unite.

- Div., Beckman instruments, Inc., 2200 Wright Ave., Richmond, Calif.

 DIMMLER, HENRY F. (S¹53-A¹55-M¹59), Elec. Engr., United Engrs. & Constructors, 1401 Arch St., Philadelphia, Pa.

 OIMOCK, PAUL V. (SM³48), Mem. Tech. Staff, Bell Tel. Labs., Whilppany, N. J.

 DIMOND, JOHN (A¹46-M¹55), Chief Electromagnetic Engr., The Magnavox Co., 1505 E. Main St., Urbana, Ill., The Magnavox Co., 1505 E. Main St., Urbana, Ill., The Magnavox Co., 1505 E. Main St., Urbana, Ill., The Magnavox Co., 1505 E. Main St., Philadelphia A; Ill., Computer Oept., Oeer Valley Park, Phoenix, Ariz.

 DIMUCCI, VITO A. (S¹54-M¹58), Systems Requirements Engr., GE Co., 3198 Chestnut St., Philadelphia 4, Pa., DINAPOLI, FRANK C. (S¹51-A¹58), Design Engr., Varian Associates, 611 Hansen Way, Palo Alto 1, Calif. DI NAPOLI, GERALD W. (S¹53-A¹55), Jr. Engr., Litton Industries, 960 Industrial Rd., San Carlos, Calif.

 DI NARDO, ANTHONY, JR. (A¹55), Sr. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 DINBART, MARVIN (A¹51-M¹57), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N. Y.

 DINE, FRANK E. (A¹52), Liaison Engr., Servomechanisms, Inc., 12500 Aviation Blvd., Hawthome, Calif.

 DINEN, JOHN J., (S¹56-M¹59), Engr., Western Electric Co., c. (Rel Itel.) Labs., Murray HIII. N.

- Inc., 12500 Aviation Blvd., Hawthome, Calif.

 DINEEN, JOHN J. (S'56-M'59), Engr., Westem Electric
 Co., c/o Bell Tel. Labs., Murray Hill, N.J.

 DINERSTEIN, JACK (M'59), Design Engr., Martin Co.,
 Box 179, Denver 1, Colo.

 DINGER, HAROLD E. (A'27-M'43-SM'43-F'58), Electronic
 Scientist, Naval Research Lab., Washington 25, D.C.

 DINGLEY, EDWARD N., JR. (A'28-M'43-M'43-F'56), Sr.
 Staff Engr., Electronic Communications, Inc., 1501 72 St.,
 N., St. Petersburg 10, Fla.

 DINGMAN, EOWARD H. (A'48-M'55), Applied Research
 Engr., Martin Co., Box 179, Denver 1, Colo.

 DINGWALL, ROBERT A. (S'49-A'50-M'55), Prod. Dev.
 Suppr., Canadian Arsenals, Ltd., 80x 620, Montreal, P. Q.,
 Canada.

 DINNICK, GEORGE M. (M'49), Nuclear Research, Naval

- DINNICK, GEORGE M. (M'49), Nuclear Research, Naval Research Lab., Code 7452, Washington 25, D. C. DINNIN, ARTHUR J. (4'45-M'55), Supvo. Engr., Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal, P.Q., Canada.
- Canada.

 DINNING, JOHN R. (A'48-M'55), Research Engr., Toledo Scale Co., 5225 Telegraph Rd., Toledo 12, Ohio.

 DINOWITZ, EDWARD E. (M'57), Sr. Mem. Tech. Staff, RCA, Waltham 54, Mass.

 DI NOZZI, ALFRED D. (A'45-M'55), Elec. Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 DINSMODR, THEODORE E. (SM'58), 67 Eldrid Dr., Silver Spring, Md.

- Spring, Md.

 JINSMORE, CHARLES H. (M'53), Radio Technician, W8Z, 1170 Soldiers Field Rd., Boston 34, Mass.

 DINSMORE, JAMES T. (A'51), Electronics Technician, Convair, Ft. Worth, Tex.

 DINSMORE, STANLEY H. (S'56-M'59), Electronics Engr., Bendix Computer Div., 5630 Arbor Vitae St., Los Angeles 45, Calif.
- PINTEMPASS, JEROME (S'51-A'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J. DINWIDDIE, EARL W. (S'56-M'57), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.
- Electric Co., Chatham Rd., Winston-Salem, N.C. DINZL, RICHARD A. (4/43), Sr. Engr., Reaction Motors, Inc., Denville, N.J. DION, ANDRE (A'54-M'58), Defence Research Scientific Officer, Canadian Armament Research & Development Est., Box 1427, Quebec, P. Q., Canada, DION, DONALD F. (S'50-A'51), Electronics Design Engr., RCA, Burlington, Mass.
- RCA, Burlington, Mass.
 JION, WARREN E. (SM*57), Mgr., Electronics Prod. Dev.,
 New Departure Div., GMC, 269 N. Main St., Bristol, Conn.
 DIGNIO, JOSEPH (A49), Electronics Research Lab., Supwr.,
 Mergenthaler Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
 DI PAOLA, RICHARO G. (S'50-A'51'M'56), Sr. Components
 Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- D1 PAOLO, E. MICHAEL (M'59), Design Engr., Hazeltine Electronics, Little Neck 62, L.I., N.Y. D1 PAOLO, LOUIS A. (A'54), Missile & Radar Engr., RCA,

- DI PAOLO, LOUIS A. (A'54), Missile & Radar Engr., RCA, Moorestown, N.J.
 DIPPELL, RALPH E., JR. (S'47-A'48-M'58), Partner, George C. Davis Consulting Radio-TV Engrs., Munsey Bidg., Washington 4, D. C.
 DIPPOLITO, PAUL W. (M'58), Chief Engr., Grason-Stadler Co., West Concord, Mass.
 DIPPLE, WILLIAM M. (A'56), Project Engr., Airtron, Inc., 200 E. Hanover Ave., Morris Plains, N.J.
 DIRECTOR, HOWARD (A'57), Capt., USAF, Electronics Engr., Project Engr., B-58, Communications & Navigation Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Lao., Wright Air Development Center, Wright-Patterson AFB, Ohio. DIRCKS, HENRY F. (S'57-M'59), Design Engr., Hazeltine Electronics Div., Little Neck 62, L. I., N. Y. DIRECTOR, HOWARD (A'57), Capt., USAF, Electronics Engr., Project Engr. 8-58, Communications & Navigation Lab., Wright Air Development Center, Wright-Patterson

- AFB, Ohio.

 DIRKS, LEROY H. (M'57), Design Engr., Raytheon Mfg. Co., Wayland, Mass.

 DIRKS, LEROY H. (M'57), Design Engr., Raytheon Mfg. Co., Wayland, Mass.

 DIRNBACH, PETER H. (M'57), Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.

 DI ROCCO, JAMES V. (M'57), Electronics Engr., Epsco, Inc., 275 Massachusetts Ave., Cambridge, Mass.

 DIRSA, EDWARD F. (M'56), Sr. Engr., Physicist, Admiral Corp., 3800 W. Cortland St., Chicago 47, Ill.

 DI RUSSO, ELIO (M'55), Elec. Engr., RCA, Camden, N. J. DITTOE, RALPH, E., JR. (S'48-A'49-M'55), Sales Engr., The Cleveland Switchboard Co., E. 79 St., Cleveland 4, Ohio.
- DITTO, JAMES C. (S'56-M'57), Sales Engr., Panhandle Electric Sales, 311 S. Akard, Dallas 2, Tex. DITTMAN, PAUL E. (M'59), Asst. Mgr., Human Factors Branch, Boeing Airplane Co., Seattle 66, Wash.
- BYANCH, BORING AIRPIANE CO., SEATLE OO, WASH.
 DITTHARDT, ALFRED R. (\$'56-M'58), Electronics Engr.,
 Motorola, Inc., 4501 W. Augusta Blvd., Chicago, III.
 DITTENHOEFER, HAROLLO F. (A'49-M'55), Administrative
 Asst. to Pres., Symphonic Electronic Corp., 10 Columbus
 Circle, New York, N.Y.

 OLYTEMBECER, BICHARD L. (A'42), Obio, Bull Tal. Co.
- OITTENBERGER, RICHARO J. (A'42), Ohio Bell Tel. Co., 750 Huron Rd., Cleveland 15, Ohio.
 DITTBERNER, DONALD L. (M'58), Applied Science Rep. to Air Force, IBM, 1111 Connecticut Ave., N.W. Washington, D.C.
- DITRICK, NORMAN H. (M'55), Engr., RCA, Somerville,
- DI TORO, MICHAEL J. (A'37-SM'45-F'58), Dir., Engrg., Polytechnic Research & Development Co., 202 Tillary St., Brooklyn, N.Y.

- Brooklyn, N.Y.

 DITKOPSKY, HARRY (S'48-A'50-M'50), Dev. Engr.,
 Burroughs Corn., Paoli, Pa.

 DITE, WILLIAM (A'53-M'58), Research Specialist, Lock-heed Aircraft Co., Burbank, Calif.

 DI TAVANI, VINCENZO C. (M'56), Electronics Engr., Diretoria De Rotas Aereas-4-0r-2, Aeroporto Santos Dumont, Rio de Janeiro, Brazil.
- de Janeiro, Brazil.
 DISTLER, ROBERT C. (S'53-A'55-M'57), Assoc. Engr.,
 Raytheon Mfg. Co., Wayland, Mass.
 DISTELZWEIG, FREDERICK J. (M'55), TV Engr., WLWCCrosley Broadcasting Corp., 3165 Olentangy River Rd.,
 Columbus 2, Ohio.
- Columbus 2, Unio.

 DI STEFANO, RENATO T., JR. (A'55-M'59), Electronics
 Engr., RCA Semiconductor Div., Somerville, N. J.

 DI STEFANO, ANTHONY J. (S'53-M'58), Asst. Engr.,
 Sperry Gyroscope Co., Lake Success, L.I., N.Y.

 DI STADIO, DOMINIC (A'43-M'55), Electronics Engr., Pic-

- Sperry Gymosope Co., Lake Success, L.I., N.Y.

 DI STADIO, DOMINIC (A'43-M'55), Electronics Engr., Picatinny Arsenal, Dover, N.J.

 DISTAD, MERRIL F. (J'31-A'31-SM'45), Diamond Ordnance Fuze Labs., Washington 25, D.C.

 DISSON, STANLEY B. (S'50-A'50-M'56-SM'59), Engr., Burrough Research Center, Paoli, Pa.

 DISSER, CHARLES J. (M'50), Chief Elec, Engr., Telex, Inc., 1632 Eustis Ave., St. Paul 1, Minn.

 DISNEY, VIRGIL H. (A'43-SM'49), Dir., Elec, Engrg., Div., Armour Research Foundation, 10 W. 35 St., Chicago, III.

 DISNEY, JOHN V. (S'52-A'53), Project Engr., 18M, Pough-keepsie, N.Y.

 DISNEY, JAMES G., JR. (S'49-A'51), Project Engr., 8ureau of Aeronautics, Washington 25, D.C.

 DISMAN, MURRAY I. (S'54-M'58), Project Engr., Eitel-McCullough, San Bruno, Calif.

 DI SILVA, CHARLES F. (A'58), 56 Circuit St., Medford, Mass.

 DISMLER, JULES J. (S'50-A'55), Design & Dev. Engr., RCA Victor, Camden, N.J.

 DISHER, R. SIDNEY (A'51), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 DISHAL, MILTON (A'41-SM'46-F'57), Exec. Engr., ITT Labs., Nutley 10, N.J.

 DISENHAUS, NATHAN (A'46-SM'53), Supvy., Electronics Engr., U. S., Army Security Agency, Arlington Hall, Arlington 12, Va.

 DI SANTI, NICHOLAS (M'58), Sr. Engr., Remington Rand Univac, St. Paul 16, Minn.

- ton 12, Va.

 DI SANTI, NICHOLAS (M158), Sr. Engr., Remington Rand Univac, St. Paul 16, Minn.

 DI SABATO, CHARLES A. (S'57-M'59), 6620 Dorel St., Philadelphia 42, Pa.

 DI RUSSO, JOSEPH C. (M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DITTRICH, WILLIAM A. (A'54), Physicist, Frankford Arsenal, Philadelphia 37, Pa.

 DIVEN, LISCUM (A'50-SM'56), Sect. Leader, Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 DIVER, FREDERICK G. (J'24-A'26-SM'46), Chief Engr., Equipment Div., McMichael Radio, Ltd., Wexham Rd., Slough, Bucks., England.

 DIVLBNS, JAMES L. (M'58), Research Assoc., Control
- Stough, Soucks, England.

 DIVILBISS, JAMES L. (M*58), Research Assoc., Control Systems Lab., Urbana, III.

 DIVINS, BERNARD (A'43), Engr., 3031 Holland Ave., New York 67, N. Y.

 DIVOR, CHARLES (S*55-M*59), Electronics Engr., RCA, Camden, N. J.
- DIX, DONALO S. (A'54), Staff Engr., I8M, Poughkeepsie,
- OIX, EOGAR L. (M'59), Electronics Scientist, U. S. Naval Research Lab., Washington 25, D. C. DIX, FREO W. (S'56-A'57), Equipment Specialist, Elec-tronics, Ordnance Ammunition Command, Joliet, III.

DIX-DOL - 151 -

- DIX, THOMAS S., JR. (SM'52), Mgr., Ground Communications & Television, Philos Corp., 4700 Wissahickon Ave., tions & Television, P Philadelphia 44, Pa
- Philadelphia 44, Pa.

 DIXON, ALEXANDER E. (A'59), Engr. Electromedical,
 Public Works Dept., Industrial Ter., Denham Town, Kingstor. 14, Jamaica, B. W. 1.

 DIXON, ALEXANDER, M. (S'54-M'56), Engr., Bendix
 Aviation Corp., 11600 Sherman Way, North Hollywood,
 Calif.
- OIXON, ARTHUR R. (A'59), Asst. Advertising Mgr., Electronics & Communications, 450 Alliance Ave., Toronto 9, Ont., Canada.
- Ont., Canada.
 DIXON, DWIGHT R. (M'56), Engrg. Sect. Head, Sperry
 Utah Engrg. Lab., 322 N. 21, W., Salt Lake City, Utah.
 DIXON, EDGAR O. (SM'52), Head, Electronics Sect.,
 Research Center, American Optical Co., Southbridge,
- DIXON, FRANCIS C. (A'54), Chief Radio Officer, S S Mat-sonia, Matson Navigation Co., 215 Market St., San Fran-cisco, Calif.
- DIXON, GEORGE C. (SM'56), Head, Shore Equipment Sect., Naval Communications Div., Dept. of the Navy, Washington 25, D. C.
- 25, D. C.
 DIXON, GEORGE L. (M'55), Leader Technician, Radar Fire Control, Canadain Aviation Electronics, Ltd., 6214 Cote de Liesse Rd., Montreal, P. Q., Canada.
 DIXON, GEORGE P. (A'43-M'58), Mgr., Engrg., Electronics Instrument Div., Burroughs Corp., 1209 Vine St., Philadel-
- DIXON, JOHN K. (A'57), 17569 Greenview, Detroit 19,

- Mich.

 DIXON, JULIAN T. (A'45-SM'54), Chief, Equipment & Systems Branch, FCC, Washington 25, D. C.

 DIXON, LESLIE G. (M'47), Mech. & Sr. Engr., Hazeltine Electronics Corp., Little Neck 62, L. L. N. Y.

 DIXON, LEWIS W. (SM'55), Mgr., Mfg. Engrg., RCA, 1300 S. Rogers St., Bloomington, Ind.

 DIXON, LLOVOY H., JR. (M'5B), Mgr., Engrg. Services, Solid State Prods., Inc., 1 Pingree St., Salem, Mass.

 DIXON, PICHARO G. (S'57-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calit.

 DIXON, ROBERT A. (M'56), Mgr., Elec. Design Sect., Raytheon Mfg. Co., Wayland, Mass.

 DIXON, ROBERT K. (M'46), Sales Mgr., Light Equipment, Govt, Equipment Div., Raytheon Mfg. Co., Waltham 54, Mass.
- Mass.

 DIXON, STANLEY T. (A'56), Sr. Electronics Technician, Stanford Research Institute, Menlo Park, Calif.

 DIXON, THOMAS K., JR. (A'46-M'55), Owner, T. K.

 Dixon, Jr., Realtor, 2105 Bank of the Southwest Bldg., Houston 2, Tex.
- Houston 2, Tex.

 JIXON, THOMAS O. (SM'55), Electronics Scientist, Natl. Security Agency, Ft. Meade, Md.

 DIXON, THOMAS P. (M'57), Sr. Mem. Tech. Staff, ITT Labs., 15151 Bledsoe St., San Fernando, Calif.

 DIXON, VINCENT E. (M'56), Sr. Field Engr., Philo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
- 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 DIXON, WILLIAM E. (4'54-SM'57), Tech. Oir., The
 Tierney Co., WCHS-TV, Inc., 1111 Virginia St., Charleston 24, W. Va.
 OIXON, WILLIAM J. (S'49-A'52-M'56), V. P., Computer
 Engry. Associates, Inc., 350 N. Halstead Ave., Pasadena
- DIZ INNO, RONALD E. (S'56-M'5B), Asst. Project Engr., Servomechanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif.
- Calif.

 DJOROJEVIC, MOMCILO Z. (S'55-M'57), Sr. Design
 Engr., Kopper's . Inc., Pittsburgh, Pa.

 DJORUP, ROBERTS. (M'55), Engr., Epsco, Inc., 5BB
 Commonwealth Ave., Boston 15, Mass.

 DLOUHY, FRANK W. (S'43-A'44-M'46), Asst. Chief
 Engr., Test Engrg., Huples Aircraft Co., Box 5555,
 Tucson, Ariz.

 DLOUHY STAPES . (S'48-A'44-M'46)
- D'LOUHY, GEORGE J. (S'4B-A'49-M'55), Mai., U.S. Army, Ordnance Corps, U.S. Army Ordnance School, Aberdeen Proving Ground, Md.
- DLUGATCH, IRVING (M'51-SM'55), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.

- Calif.

 DMITREVSKY, SERGEI (M'57), Lecturer, Univ. of Toronto, Toronto 5, Ont., Canada.

 DMYTRASZ, JOSEPH N. (S'57-M'58), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DMYTRASZ, WILLIAM (A'56), Technician, Engrg. Asst., The DeHayıland Aırcraft of C nada, Ltd., Dufferin & Sheppard Sts., Toronto, Ont., Canada.

 D'NELLY, GREGG O. (S'48-A'49-SM'56), Research Engr., Huybes Aircraft Co., Culver City, Calif.

 DOAK, ROBERT S. (SM'56), Research Specialist, Lockheed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.

- heed Missile Systems Div., 2251 Hanover St., Palo Alto, Calif.

 DANE, HOWARD J. (M'49), Mem. Tech. Staff, Ramo-Wooldridge Corp., Patrick AFB, Fla.

 DOANE, JAY T. (M'57), Supvr., Prod. Service, GE
 Co., Syracuse, N.Y.

 DOANE, JOHN E. (A'41-M'44-SM'54), Engr., FCC, Washington 25, D.C.
 DOANE, RUSSELL C. (S'56-A'5B), Assoc. Ergr., National Co., 61 Sheman St., Malden 4B, Mass.
 DOBA, STEPHEN, JR. (A'45-SM'54), Transmission Measurement Engr., Bell Tel. Labs., Murray Hill. N.J.
 DOBBERSTEIN, RILEYH. (S'57-A'5B), Field Rep., GE
 Co., Syracuse, N.Y.
 DOBBERSTIN, WILLARD H. (A'43-SM'56), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver Citv. Calif.
 DOBBIE, LEONARD G. (A'33-M'40-SM'43), Sr. Research
 Officer, Commonwealth Scientific & Industrial Research
 Organization, Natl. Standards Lab., City Rd., Chippendale,
 Sydney, Australia. Sydney, Australia.
- Sygney, Australia.

 DDBBIN, GILBERT K. (M'5B), Instrumentation Application
 Engr., Minneapolie-Honeywell Co., Ltd., Vanderhoff Ave.,
 Leaside., Toronto. Ont., Canada.

 ODBBINS, BILLY D. (5'47-M'50), Asst., Group Supvr.,
 Applied Physics Lab., The Johns Hopkins Univ., Silver
 Spring, Md.
- ODBINS, LAWRENCE W. (M'5B), Elec. Engr., RCA, Camden, N. J. DOBBINS, THERON K. (S'59-M'59), Prod. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

- DOBBINS, WILLIS E. (A'49-M'55), Engr., Norden Div., United Aircraft Corp., 13210 Crenshaw Blvd., Gardena, Calif.
- United Aircraft Corp., 13210 Crenshaw Bivo., Gardena, Calif.

 DBBS, CECIL I. (SM'56), Chief Elec. Engr., Freeport Nickel Co., Commerce Bldg., New Orleans, La.

 OBBS, MERRILL G. (M'59), Supt., Tropical Radio Service Corp., 32! St. Charles Ave., Metairle, La.

 DBBS, WILLIAM (S'53-A'55), Field Service Rep., GE Co., Syracuse, N. Y.

 OBKIN, LEV! (M'50), Mng. Dir., "Galim" Radio Engrg. Co., Ltd., Box 4059, Haifa, Israel.

 DOBKOWSKI, JOSEPH T. (A'52), Field Engr., Philco Corp., Philadelphia, Pa.

 DDBNICK, OTTO X. (A'56), Lab. Technician, Physics Dept., Univ. of Wisconsin-Milwaukee, 600 W. Kilbourn Ave., Milwaukee 3, Wis.

 DOBOSY, JOSEPH F. (A'40-SM'49), Consulting Engr., 3174B Lake Rd., Avon Lake, Ohio.

 DOBREN, STANLEY (A'54), Dev. Engr., RCA Victor, Camden, N.J.

- DOBRIDGE, RONALD W. (M'45), Genl. Radio Engr., Canadian Pacific Railway, 1255 Phillips Sq., Montreal, P.Q., Canada.
- P.Q., Canada.

 DOBROWOLSKI, EDWIN P. (S'53-A'54), Engr., Datamatic
 Div., Minneapolis-Honeywell Regulator Co., 151 Needham
 St., Newton Highlands 61, Mass.

 DOBROWOLSKI, RAYMOND M. (M'57), Sr. Sales Tech.
 Rep., Burroughs Corp., 1739 'H' St., N.W., Washington
 6, D.C.
- OOBSON, AUSTIN M. (A'57), Jr. Engr., Microwave Development Labs., Inc., 92 Broad St., Babson Park 57, Mass.
 DOBSON, DAVID B. (S'50-A'53-M'57), Engr., RCA,
- Camden, N.J.

 DOBSON, DONALD A. (S'4B-A'55-M'55), Engrg. Specialist, Research, No. Amer. Aviation, 4300 E. 5 Ave., Columbus 21, Ohio.

 DOBSON, HAROLD R. (S'50-A'51-M'54), Chief Engr., Stromberg-Carlson Co., 1400 N. Goodmen St., Rochester, N.Y.

- Stromberg-Larison Co., 1400 N. Guodinei St., Nochiester, N.Y.

 DOSSON, TRACY M. (A'57), New Dev. & Special Projects, Lockheed Aircraft Com., Durbank, Calif.

 DOBY, WILLIAM C. (S'56-M'57), Lt., USN, Missile Officer, USS Canberra (CAG-2), FPO New York, N.Y.

 DOBYNE, JOHN C., JR. (A'53-M'59), Asst. Research Group Engr., Convair, Box 112B, San Diego 12, Calif.

 DOCHERTY, EDGAR E. (S'57-A'59), Engr., Atlas Engrg. Co., 176 Bluehill Ave., Roxbury, Mass.

 DOCK, SAMUEL J., JR. (A'53), Field Rep., ACF Industries, Riverdale, Md.

 DOCTOR, BERNARD H. (A'50-M'56), Project Engr., Crosley Div., Avco Mig. Corp., Glendale-Milford Rd., Cincinnati 15, Ohio.

 DOCTOR, DANIEL E. (A'54), Owner, Electronic Equipment
- OCTOR, DANIEL E. (A'54), Owner, Electronic Equipment Service Co., 134B Boylston St., Boston 15, Mass. DOCTOR, MORMAN J. (M'5B), Research Supvr., Materials Branch, Diamond Ordnance Fuze Labs., Washington 25, D.C.
- D.C.
 DODAK, MICHAEL (S'50-A'51-M'56), Dir., Mktg.,
 Arnoux Corp., 11924 W. Washington, Los Angeles, Calif.
 DODD, ARTHUR E. (M'45-M'55), Sect. Engr., Relays
 & Signals, Union Switch & Signal Div., Westinghouse
 Air Drake Co., Braddock Ave., Pittsburgh 1B, Pa.
 DODD, CARLOS L. (SM'57), 629 Bondstone, Oallas 1B,
 Year
- DODO, COLEMAN (SM'57), Advanced Dev. Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

- Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 DODD, GLEN M. (A'45-M'52), Sr. Electronics Engr., Convair, Box 1950, San Diego 12, Callf.

 DODD, John M. (S'50-A'52-M'57), Project Aerophysics Engr., Convair, Ft. Worth I. Tex.

 DODD, PAUL D. (S'57-M'5B), IBM Research Lab., Monterey & Cottle Rds., San Jose, Calif.

 DODD, S. C. (S'51-A'52-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Holloman AFB, N.M.

 DDDDS, LEONARD F. (A'56), Chief Engr., New Mexico Broadcasting Co., 1414 Coal, S.W., Albuquerque, N.M.

 ODDDS, WELLESLEY J. (SM'45), May, Waw Tube Oev., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 DDDGE, ALBERT O. (SM'56), Systems Engr., Ordnance Dept., GE Co., Plastics Ave., Plutsfield, Mass.

 DODGE, CLYDE A., JR. (A'54), Dev. Engr., Stanford Research Institute, Menlo Park, Calif.

 DDDGE, HAROLD E. (S'55-M'58), Jr. Engr., IBM, Owego, N.Y.

- N. Y.

 DODGE, JOHN E. (\$'50-A'55), Engr., Jansky & Bailey, Inc., 1339 Wisconsin Ave., N. W., Washington, D. C.

 DOOGE, PAUL A. (\$'51-A'54-M'57), Project Engr., Data Processing Equipment Dev. Unit., GE Co., Syracuse, N. Y.

 ODGGE, PAUL O. (M'56), Systems Engr., Computer Oept., GE Co., 13430 Black Canyon Hwy., Phoenix, Ariz.

 DODGE, RALPH B. (A'56), Plant Engr., Bomac Labs., Inc., Salem Rd., Beverly, Mass.

 DOGGE, S. WEBSTER (SM'47), Supt., Materials & Devices Technology, RCA Labs., Princeton, N.J.

 DODGE, WILLARD A., JR. (SM'56), Project Engr., Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.

- Call .

 DOGSON, JOHN G. (M'5B), Tech. Editor, Natl. Radio Institute, 3939 Wisconsin Ave., N.W., Washington, D.C. DOGSON, WILLIAM W., JR. (A'55), V.P., Radiation, Inc., Box 37, Melbourne, Fla. DODINGTON, SVEN H. M. (SM'5B), V.P., Avionics, ITT Labs., Nutley 10, N.J.

- TTT Labs., Nutley 10, N.J.

 DORRILL, GEORGE E. (SM'51), Communications Engr., USAEC, Washington 25, D.C.

 DOSON, GILBERT C., JR. (M'56), Mor., Digital Systems Engr., Genl. Engrg. Labs., GE Co., Schenectady, N.Y.

 DOSON, JOE B. (A'5B), Pres., Little Rock Communications Service, Inc., 209 Victory, Little Rock, Ark.

 DOSON, LUCIAN F. (SM'57), Mgr., Range Engrg., RCA Service Co., Missile Test Project, Patrick AFB, Fla.

 DOSWORTH, WILLIAM F. (S'55–M'57), Research Engr., Flight Controls, Lockheed Missile Systems Development, Sunnyvale, Calif.

 OOEL, DEAN (S'46-A'49-M'55), Sr. Engr., Dacific
- OOEL, DEAN (\$'46-A'49-M'55), Sr. Engr., Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland

- DOELEMAN, HENRY (\$'42-A'47-SM'54), Sr. Project Engr., United Electrodynamics, 200 Allendale Rd., Pasadena, Calif.

- Calif.

 DOELGER, RICHARD J. (M'5B), Sales Engr., Electronic Associates, Inc., Long Branch, N.J.

 DOELLNER, LE ROY J. (A'2B-M'55), Electronics Engr., Maple Ave., New City, N.Y.

 Maple Ave., New City, N.Y.

 Lansdale Tube Co., Church Rd., Lansdale Pa.

 DOELZ, MELVIN L. (M'45-SM'54), Geni. Mgr., Collins Kadio Co., 2700 W. Olive Ave., Burbank, Calif.

 DOERFEL, HAROLD V. (A'52-M'57), Supt., Analog Div., Aeronautical Computer Lab., Naval Air Development Center, Johnsville, Pa.

 DOFRING, J. HARVEY, JR. (A'53), Systems Engr.,
- Center, Johnsville, Pa.

 DOERING, J, HARVEY, JR. (A'53), Systems Engr.,
 Motorola, Inc., 4545 W. Augusta, Chicago, III.

 DOERNER, ROBERT C. (S'50-A'55), Physicist,
 Argonne Matl. Lab., Box 299, Lemont, III.

 DOERR, CHARLES W. (A'52-M'57), Head, Electronics
 Dev. Dept., Haller, Raymond & Brown, Inc., State College,
 Pa.
- DOERR, WILLIAM H. (A'52-M'57), Supvy. Engr., Crosley Div., Avco Mfg. Co., 1329 Arlington St., Cincinnati 25, Ohio.
- Onto.

 DORRSAM, CHARLES H., JR. (SM'51), Project Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DORRSAM, PHILIP D. (S'40-M'46-SM'50), Dept. Mgr.,
 Missile Systems Div., Lockheed Aircraft Corp., Palo Alto,
 Calif.

- MISSIE SYSTEMS DIV., LORMIECO AITCRIT COTP., PAIO AITO, CAIÍG.

 DERSCHUCK, JOHN (M'56), Sales Rep., Electro-Data Corp., 10 E. 40 St., New York 16, N. Y.

 DOGANTZIS, BILL E. (A'51-M'5B), Sect. Head, Systems Engra, Experimentalion Div., Natl., Aviation Experimental Center, Atlantic City, N. J.

 DOGGETT, JAMES W. (S'57-A'5B), Chief Engr., Morgan County Broadcasting Co., Ft. Morgan, Colo.

 DOHAN, WILLIAM R. (A'30-VA'39-M'55), BOB Wickfield Rd., Wynnewood, Pa.

 DOHENY, JOHN F. (S'55-M'5B), Operations Research, U. S. Naval Radio Sta. R., NSGD Div. A., Cheltenham, Md. DOHERTY, DON T. (S'48-A'50-M'55), Field Service Engr., GE Co., Utica, N. Y.

 DOHERTY, JAMES E. (M'54), Prod. Engr., Continental Electronics Mfg. Co., 4212 S. Buckner Bivd., Dallas, Tex. N.M.

 DOHERTY, JORNE E. (S'43-A'46-M'52, SMSF, Holloman AFB, N.M.
- DOHERTY, LORNE H. (S'43-A'46-M'53-SM'5B), Assoc. Research Officer, Natl. Research Council, Ottawa, Ont., Canada
- DOHERTY, ROBERT P. (A'51-M'56), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn. OOHERTY, THOMAS F. (A'59), Maintainability Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y.
- Republic Aviation Corp., Farmingoale, L.I., N.Y.
 DOHERTY, WILLIAM E., JR. (M'57), Jr. Engr.,
 Electronics Research, Philoc Corp., C & Tioga Sts.,
 Philadelphia 34, Pa.

 DOHERTY, WILLIAM H. (A'29-M'36-SM'43-F'44), Mgr.,
 Govt. Sales, Western Electric Co., 120 Broadway, New
 York S, N.Y.
- York 5, N.Y.

 DOHNE, CHARLES F. (M'56), Design & Physical Science Research, Naval Research Lab., Washington 20, D.C.

 DOIG, ALFRED, JR. (S'4B-A'50-M'56-SM'5B), Chief Engr., Electronics Div., Natl, Cash Register Co., 1401 E. El Segundo Blvd., Hawthorne, Calif.

 DOIG, JOHN H. (A'27-VA'39), Instr., San Diego City Unified School Systems, Normal & Park Blvd., San Diego 2,

- fied School Systems, Normal & Park Blvd., San Diego Z, Calif.

 DORON, J.A., BERNARD (A'56), Malnt. Technician, CKAC, 9BO St. Catherine, W., Montreal, P.Q., Canada.

 DOKAS, JAMES, JR. (A'53-M'59), Engr., WestInghouse Elec. Corp., Baltimore 3, Md.

 DOKKEN, GLEN O. (S'54-M'57), Engr., Datamatic Div., Minneapolls-Honeywell Regulator Co., 151 Needham St., Newton Highlands, Mass.

 DILAN, BRUCE A. (A'55-M'58), Capt., USAF, Electronics Engr., Air Tech. Intelligence Center, Wright-Patterson AFB, Ohio.

 DILAN, DONALD T. (S'58-M'59), Electronics Engr., Genl. Prederal Div., Clifton, N. J.

 DOLAN, FRANCIS J. (S'52-A'53-M'5B), Sr. Engr., ITT Federal Div., Clifton, N. J.

 DOLAN, FRANCIS J. (A'54), Engro. Supvr., Component Analysis Group, Sylvania Elec. Prods., Inc., Waltham, Mass.

 DOLAN, OWEN F. (S'54-M'57), Elec. Engr., Genl.

 Dynamics Corp., Groton, Conn.

 DOLAN, PAUL A. (S'54-A'55-), Dept., Mgr., IBM, Kingston, N.Y.

 DOLAN, ICHARD P. (S'56-M'58), Engr., Sylvania Elec.

- Kingston, N.Y.

 DOLAN, RICHARD P. (S'56-M'58), Engr., Sylvania Elec.
 Prods., Inc., Mountain View, Calif.

 DOLAN, RUSSELL P., JR. (A'54), Electronics Scientist,
 Air Force Cambridge Research Center, Hanscom AFB,
 Bedford, Mass.
- Bedford, Mass.

 OLAND, GEORGE O. (5'4B-A'49-M'53), Exec. Engr.,
 Admiral Corp., 3B00 Courtland, Chicago, III.

 OLANSKY, LADISLAV (SM'53), Assoc. Prof., Research
 in Communications, Northeastern Univ., 360 Huntington
 Ave., Boston 15, Mass.
- ODLANSKY, LADISLAV (SM 33), Assoc. 7017, Ass

- DOLIN, RICHARD (S'45-A'49-M'52-SM'57), Sr. Research Engr., Fairchild Camera & Instrument Co., 5 Aerial Way, Syosset, L.I., N.Y.
- Syosset, L.I., N.Y.

 DOLINKO, LOUIS (A'44-M'55), V.P., Dolinko & Wilkens, Inc., 1901-07 Summit Ave., Union City, N. J.

 DOLKAS, CONSTANTINE (A'58), Sr. Project Engr., Dynamic Analysis Sect. Head, Fairchild Astrionics Div., Wyandanch, L.I., N.Y.

 DOLL, CHESTER L. (A'54-M'59), Communications Chief, Omaha District, U.S. Amy Corps of Engrs., 1709

 Jackson St., Omaha, Neb.

 DOLL, EDWARD 8. (A'38-SM'47), V.P. & Atlas Program Dir., Space Technology Labs., Inc., Box 95001, Airport Sta., Los Angeles 45, Calif.

- Sta., Los Angeles 45, Calif.

 DOLL, GILBERT G. (S'57-A'58), 3417 Avenue 'D',
 Brooklyn, N.Y.

 DOLL, HENRI-GEORGES (A'41-M'41-SM'43), Chmm, of
 8d., Tech. Advisor, Schlumberger Well Surveying Corp.,
 Old Quarry Rd. Ridgefield, Conn.

 DOLL, JOHN W. (S'54-M'56), Electronics Engr.,
 Emerson Elec. Mfg. Co., 8100 W. Florissant St.,
 St. Louis 21, Mo.

- DOLL, RICHARD E. (A'59), Equipment Man, Northwestern Bell Tel. Co., 100 Dodge St., Omaha 2, Neb. DOLL, RODMAN E. (M'57), Research Assoc., Radiation Lab., Engrg. Research Institute, Willow Run Airport, Ypsilanti, Mich.

- Ypsilanti, Mich.

 DOLL, WILLIAM E. (S'54-M'56), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.

 DOLLARD, PETER M. (S'54-M'56), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.

 DOLLE, WALTER C. (S'49-A'53-M'58), Asst. Div. Chief,
 Plans & Programs Div., OCSIGO, Dept. of Army, Washington. D.C.
- con, D.C.

 DOLLINGER, KENNETH (M'52), Project Engr., Sanders Associates, 95 Canal St., Nashua, N.H.

 DOLNICK, ALBERT (A'41-M'44-SM'49), Mgr., Field Engrs. Dept., Sylvania Elec. Prods., Inc., Emporium, Pa.
- DOLPHIN, LAMBERT, JR. (S'52-M'57), Research Physicist, Stanford Research Institute, Menlo Park, Calif.
- Caulf.

 DOLPHY, ERNEST L. (A'38-VA'39), Engr.-in-Chg.,
 Quality Control, Harnett Electric Corp., 503 Hallett
 Ave., Riverhead, L.I., No.
 Div., JOHN M. (M'57), Chief Elec. Engr., Radio Phone
 Div., Warwick Mfg. Corp., 7300 N. Lehigh, Chicago 48,
 III.

- DOLSEN, JACK A. (M'51), Rep., Philoc Corp., 4700 Wissahickon, Philadelphia 44, Pa. DOLSON, ROBERT M. (A'59), Instr., Port Arthur College, 1500 Procter, Port Arthur, Tex. DOMAN, DAVID B. (M'58), Assoc. Engr., IBM, Kingston, N.V.

- N.Y.
 DOMANICO, PETER T. (S'56-M'57), 311 Livingston Ave.,
 Lyndhurst, N.J.
 OOM80SKI, ROBERT F. (M'58), Sr. Engr., Philoc Corp.,
 4700 Wissahickon Ave., Philadelphia 44, Pa.
 DOMRRADY, STEVE E. (M'54), Maint. Engr., Westinginghouse Broadcasting Co., 815 Superior Ave.,
 Cleveland 14, Ohio.

- Cleveland 14, Ohio.

 DOMBRO, LOUIS (A\formalis), Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.

 DOMBROWSKI, GEORGE E. (S\formalis)2-A\formalis-5-M\formalis-6), Sr. Engr.,
 Raytheon Mfg. Co., Wathham 54, Mass.

 DOMCHICK, STEVEN J. (S\formalis-6-M\formalis-9), Engr., Western
 Electric Co., 220 Church St., New York, N.Y.

 DOME, ROBERT B. (A\formalis-27-M\formalis-38-SM\formalis-34-V48), Consulting
 Engr., TV Receiver Detr., GE Co., Syracuse, N.Y.

 DOMEN, STEPHEN L. (S\formalis-1-A\formalis-3-M\formalis-7), Sr. Engr.,
 Philico Corp., G. &l. Div., 4700 Wissahickon Ave.,
 Philidelphia 44, Pa.

 DOMENICHINI CABLO P. (SM\formalis-8) Soc. Mar.

- Philadelphia 44, Pa.

 DOMENICHINI, CARLO P. (SM'58), Sect. Mgr.,
 Raytheon Mfg. Co., Wayland, Mass.

 DOMENICO, ROBERT J. (A'53-M'58), Dev. Engr.,
 18 M. Poughkeepsie, N.Y.

 DOMIDION, WILLIAM G., JR. (A'41), Engr. Western Electric Co., 220 Church St., New York 13, N.Y.

 DOMINE, DONALD A. (S'49-A'50-5M'57), Mgr.,
 Missile Equipment Sect., Packard 8ell Electronics,
 2341 Michigan Ave., Santa Monica, Calif.

- 2341 Michigan Ave., Santa Mondel Electronics,
 DOMIN, FRANK J. (\$'52-A'53), Test Equipment Design,
 RCA Victor, Camden, N.J.

 DOMINGOS, HENRY (\$'55-M'57), Asst. Prof., Univ. of
 Nevada, Reno, Nev.

 DOMINGUE, JULES C. (A'55-M'56), Electronics Engr.,
 Army Electronic Proving Ground, FI. Huachuca, Ariz

 DOMINGUEZ, MANUEL J. (\$'50-A'51), Engr., GE Co.,
 Syracuse, N.Y.

 DOMINICK, JOHN W. (A'58), R.D. 2, Birdsboro, Pa.

 DOMINICK, FREDERICK J. (M'56), Sr. Engr., Solid State
 Physics Group, Ewen Knight Corp., 206 A St., Needham,
 Mass.

 DOMINICK, JOHN B. (\$'52-\$M\$57), M.J. T. T. T. C. (\$'70-1000)

 DOMINICK, JOHN B. (\$'58-2-\$M\$57), M.J. T. T. T. C. (\$'70-1000)

 DOMINICK, JOHN B. (\$'58-2-\$M\$57), M.J. T. T. T. C. (\$'70-1000)
- Mass.

 DOMINICK, JOHN B. (S'52-SM'57), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.

 DONAGHY, JOHN F. (A'54), Instr., U.S. Army Artillery
 & Guided Missile School, Ft. Sill, Okla.

 DONAHER, THOMAS P. (M'57), Assoc. Engr., IBM, Owego,
 N.V.

- N. Y.

 DONAHEY, HOWARD E. (S'55-A'56), Electronics Engr., Admiral Corp., 3815 Armitage, Chicago, III.

 DONAHUE, CHARLES D. (A'58), Electronic Technician, Telex, Inc., 1633 Eustis Ave., St. Paul, Minn.

 DONAHUE, JOHN (M'46), Electronics Engr., USN Electronics Lab., San Diego 52, Calif.

 DONAHUE, THOMAS H. (A'59), Instr. Electronics Engr., Northorp Aeronautical Institute, 1155 Arbor Vitae, Inglewood, Calif.
- wood, Calif.

 DONAHUE, WALTER J. (A'42), Overseas Tech. Operator,
 AT&T Co., 1587 Franklin St., Oakland 12, Calif.

 DONAL, JOHN S., JR. (M'40-5M'43), Administrator Special
 Programs, Staff of V. P., RCA Labs., Princeton, N. J.

 DONALD, 808BIE L. (S'56-M'58), Engr., Jansky & Bailey,
 Inc., 1339 Wisconsin Ave., N. W., Washington, D. C.

 DONALD, DAVID K. (S'55-M'58), Research Engr., Scientific Lab. of Ford Motor Co., 20000 Rotunda, Dearborn,
 Mich.
- DONALD, DOUGLAS D' (A'41-SM'45), Radio Engr., AT&T Co., 32 Ave. of the Americas, New York 13, N. Y.

- DONALDSON, CHARLES A. (A'42-M'46), Chief Engr., Donaldson Electronic Lab., Rie. 1, Grapevine, Tex. DONALDSON, ERNEST E., JR. (S'57-M'58), Engr., Bell Tel. Labs., 204 Graham-Hopedale Rd., Surlington,
- N. C.

 DONALDSON, JOHN W. (S'50-A'52-M'57), Mem. Tech.
 Staff, Hughes Aircraft, 8ox 5555, Tucson, Ariz.

 DONALDSON, MERLE R. (S'46-A'49-SM'55), Sr. Staff
 Engr., Electronic Communications, Inc., 1501 72 St., N.,
 St. Petersburg, Fla.
- DONALDSON, ROBERT J. (A'36-SM'52), Sect. Engr., Commonwealth Edison Co., 1319 S. 1st Ave., Maywood,
- DONALDSON, ROBERT V. (S'54-M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa. DONALDSON, W. LYLE (M'54-SM'56), Chmn., Elec. Engrs. Detr., Southwest Research Institute, 8ox 2296, San Antonio 6, Tex.
- DONALDSON, WILLIAM G. (A'50-M'55-SM'56), Asst. Mgr., Engrg., Federal Electric Corp., Rte. 17, Paramus, N. J.

- N. J.

 DONATH, ERWIN (SM'51), Pres. Fifth Dimension, Inc.,
 Princeton Research Park, Princeton, N. J.

 DON CARLOS, JOHN E. (S'57-M'59), Engr., Sylvania
 Elec., Prods., Inc., Mountain View, Calif.

 DONCESE, GEORGE (A'41), Research & Dev. Engrg. Aide,
 Hazelline Research Corp., Little Neck, 62, L. 1., N. Y.

 DONDANVILLE, RUSSELL V. (A'38-SM'45), Communications Engr., Commonwealth Edison Co., 72 W. Adams
 St., Chicago 90, Ill.

 DONDEI INGER PORCED W. (S'55-M'55), Durch Accept Aidented
- DONDELINGER, ROGER W. (S'55-M'55), Purch Agent, Airpax Electronics, Inc., 6601 N.W. 19 St., Ft. Lauderdale, Fla.
- DONDERO, RÓBERT L. (A'52-M'57), Electronics Scientist, USAF, Griffiss AFB, N. Y.
 DONEGAN, EDMUND V. (A'55), Sales Engr., G. M. Giannini & Co., 350 5 Ave., New York, N. Y.
- DONEGAN, JAMES H. (M'57), Engr., GE Co., Syracuse,
- N.Y.

 DONEGON, ROY E. (A'50-M'55), Operations Analyst,
 Hurs., North America Air Defense Command, Ent AFB,
 Colorado Springs, Colo.

 DONELSON, LEROY E. (A'55), Toll Transmission Engr.,
 Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 27,
 Mich.

- Mich.

 DONER, CLAUDE E. (S'55-M'56), Power Tube Design Engr., RCA, New Holland Pike, Lancaster, Pa.

 DONG, ANDREW S. (M'58), Electronics Engr., San Francisco Naval Shipyard, San Francisco 24, Calif.

 DONG, HOWARD L. H. (S'49-A'55-M'55), Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 DONG, JAMES G. (S'42-A'44-M'55), Electronics Engr., FAA, Federal Bildg., New York Internatl. Airport, Jamaica 30, L.I., N.Y.

 DONIGER, JERRY (A'51-M-56), Systems Engr., Bendix Aviation Corp., Teterboro, N.J.

 DONLEY, HUGH L. (A'35-SM'47), Tech. Relations, RCA Labs., Princeton, N.J.

 DONLEY, MAURICE M. (A'51), Pres., Owner, Industrial & Commercial Electronics Co., 2226 E. 6 St., Tulsa 4, Okia.

 DONNELL, WILLIAM F. (S'53-A'55), Electronics Engr.,

- DONNELL, WILLIAM F. (S'53-A'55), Electronics Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
- lex.

 DONNELLY, FRANCIS E., JR. (\$'57-M'59'), Elec. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 DONNELLY, FRANK L. (A'59'), Head, Trainer Services Branch, U.S. Naval Training Device Center, Port Washington, L.I., N.Y.
- DONNELLY, FREDERICK J., JR. (S'50-A'53), Purch. Agent, Warren Mfg. Co., Inc., Newton Rd., Littleton, Mass.
- DONNELLY, JOHN E. (S'54-A'55), Supvr., Instrument Center Lab., Space Technology Lab., 80x 95001, Los Angeles 45, Calif.
- Center Lab., Space Technology Lab., Box 95001, Los Angeles 45, Calif.

 DONNELLY, MICHAEL E. (M'57), Sr. D.v. Engr., Sperry Gyroscope Co., 294 Commercial St., Sumnyvale, Calif.

 DONNELLY, ROBERT S. (M'58), Circuit Layout Engr., Federal Efectric Corp., Pouch 7-153, Anchorage, Alaska DONNELLY, ROBERT W. (S'56-M'58), Electronics Engr., Genl. Dynamics Corp., Pomona, Calif.

 DONNER, JOHN B. (SM'58), Project Mgr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 DONNER, WALDEMAR (A'59), Test Equipment Engr., F. W. Sickles, 165 Front St., Chicopee, Mass.

 DONNER, WALTER (M'52), Project Mgr., Beckman Instruments, Inc., 2500 Fullerton Rd., Fullerton, Calif.

 DONOGHUE, JAMES J. (A'42-M'46), Dev. Engr., Tektronix, Inc., 80x 831, Portland, Ore.

 DONOHOE, LEONARD J. (S'50-A'51), Sr. Engr., Texas Instruments, Inc., 3609 Buffalo Speedway, Houston 6, Tex.

 DONOHOE, ROBERT W. (S'56-M'57), Systems Engr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 DONOHUE, DONALD C. (S'52-A'53), Test Project Engr., 18M, Pouphkeepsie, N. Y.

 DONOYAN, ARTHUR C. (A'40-M'55), Group Supvr., Instrumentation Lab., MIT, Cambridge 39, Mass.

 DONOVAN, BERNARD M. (S'58-A'59), Project Engr., Rome Air Development Center, Griffiss AFB, N. Y.

 DONOVAN, CHARLES (S'53-A'55), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 DONOVAN, EDWARD J. (M'59), Administrative Engr., Advance Communication Figure, Div., Conk Flertric Co.

- 9, N.Y.

 DONOVAN, EDWARD J. (M'59), Administrative Engr., Advanced Communication Engrg. Div., Cook Electric Co., 6038 28 Ave., Washington 23, D.C.

 DONOVAN, JAMES (A'57), Prod., Planning Mgr., Industrial, GE Co., Drawer 270, Phoenix, Ariz.

 DONOVAN, JOHN J. (M'56), Elec. & Electronics Inspector, Airborne Equipment, FAA, Box 2506, Ft. Worth, Tex.

 DONOVAN, LEWIS N. (A'44–M'55), Asst. Supt., Radio Dent., Lands & Forest, Govt. of Alberta, 10927 120 St., Edmonton, Alta., Canada.

 DONOVAN, MATRIN A. JR. (A'54), Sr. Engr., Chystler
- Edmonton, Alta., Canada.

 DONOVAN, MATRIN A., JR. (A'54), Sr. Engr., Chrysler
 Corp., Box 2628, Detroit, Mich.
 DONOVAN, PAUL F. (M'57), Physicist, Naval Ordnance
 Lab., White Oak, Md.
 DONOVAN, PAUL R. (M'55), Mgr., Govt. Lab., Dayton
 Div., Admiral Corp., 3800 Cortland St., Chicago, Ill.

- DONOVAN, RAYMOND D. (A'43-M'55), Sr. Asst. Elec. Engr., City of Detroit, Police Comm. Div., 2735 W. Warren St., Detroit 8, Mich.
- St., Detroit 8, Mich,
 DONOVAN, RICHARD F. (A'53-M'58), Project Engr.,
 Purdue Univ., Lafayette, Ind.
 DONOVAN, RICHARD W. (M'58), Electronics Design Engr.,
 Wilcox Electric Co., Inc., 1400 Chestnut, Kansas City,
 Mo.
- DONOVAN, TIMOTHY F. (S'53-A'54-M'59), 51 Wall St., Staten Island, N.Y. DONOVAN, WILLIAM C. (S'56-M'59), Staff Engr., Instru-
- DONOVAN, WILLIAM C. (S'56-M'59), Staff Engr., Instru-mentation Lab., MIT, Cambridge 39, Mass. DONOVAN, WILLIAM E. (A'33-SM'44), c/o L.P. Graner, Inc., 40 E. 49 St., New York I7, N.Y. DONSBACH, WELDON R. (S'47-A'49-M'53-SM'55), Mgr., VHF Sect., Westinghouse Elec. Corp., 8ox 746, Baltimore 3, Md.
- DONZE, DONALD W. (S'57-M'58), Elec. Engr., RCA, Camden, N. I.
- DUNZE, DONALD W. (S'57-M'58), Elec. Engr., RCA, Camden, N. J. DOODY, DANIEL T. (M'57), Project Engr., IBM, Poughkeepsie, N.Y. DOOLEY, EDWIN 8., JR. (S'53-M'57), Elec. Engr., Crosley Broadcasting Corp., 140 W.9 St., Cincinnati, Ohio.
- DOULEY, M. NORMAN (M'55), Supvr., Inspection, ITT Labs., Nutley IO, N.J. DOULEY, RALPH (M'58), Design Engr., No. Amer. Aviation,
- Downey, Calif. DOOLIN, FRANCIS L. (S'56-M'57), Assoc. Engr., I8M
- NINGSton, N.Y.

 DOLITTLE, FRANKLIN M. (A'13-M'30-SM'43-F'54XL),
 Pres. & Treas., Connecticut Broadcasting Co., 869 8lue
 Hills Ave., Hartford 12, Conn.

- Pres. & Treas, Connecticut Broadcasting Co., 869 8 lue Hills Ave., Hartford 12, Conn.

 DOLITTLE, GORDON V. (A'56), Staff Engr., IBM, Oweno. N.Y.

 DOLITTLE, HOWARD D. (M'46), Engr., Machiett Labs., Inc., Hope St., Springdale, Conn.

 DOLITTLE, JOHN H. (A'48-SM52), Dept. Head, Research Div., Radiation, Inc., Box 6904, Orlando, Fla.

 DOLITTLE, KENNETH H. (A'46), Radio Engr., FAA, 5651 W. Manchester, Los Angeles 45, Calif.

 DOLITTLE, WINTHROP T., JR. (M'54), Field Engr., J.D. Ryerson Associates, Inc., III Kinne Rd., DeWitt, N.Y.

 DOONER, J., LESTER (S'43-A'45-M'55), Chief Engr., Brach Mfg., Div., Genl., Bronze Corp., 200 Central Ave., Newark 3, N.J.

 DOMG, HENRY (S'49-A'51-M'57), Electronics Engr., Naval Ordnance Lab., White Oak, Md.

 DOPMAM, WARREN G. (S'58-M'59), Asst. Engr., New York Telephone Co., IOI Willoughby St., Brooklyn I, N.Y.

 DOPP, VERNON S. (S'57-A'58), Studio Engr., KAKE-TV, 1500 N. West St., Wichita, Kan.

 DORA, GEORGE I., JR., (A'57), Lt., USAF, Communicacions Officer. Home: 3801 E. Washington Ave., Madison, Wis.

 DORAN, JOHN W. (A'49), Field Engr., Philco Corp., 22

- Wis.

 DORAN, JOHN W. (A'49), Field Engr., Philoc Corp., 22
 St. & Lehigh Ave., Philadelphia 32, Pa.

 DORAN, ROBERT J. (M'46-SM'52), Chief, Guidance Dev.
 Div., Weapons Guidance Lab., Wright Air Development
 Center, Wright-Patterson AFB, Ohio.

 DORAN, ROBERT W. (S'57-M'59), Engr., Sylvania Elec.
 Prods., Inc., Waltham 54, Mass.

 DORATO, PETER (S'53-M'57), Instr., Elec. Engrg.,
 Polytechnic Institute of Brooklyn, 99 Livingston St.,
 Brooklyn I, N.Y.

- Polytechnic Institute of Brooklyn, 99 Livingston St., Brooklyn I, N.Y.

 DORBAND, ALLEN E. (A '50-M'55), Sr. Group Engr., Boeing Airplane Co., 80x 107, Seattle 14, Wash,

 DORCHAK, CHARLES J. (S '56-M'57), Chief Engr., Sperry Cyroscope Co., Great Neck, L.I., N.Y.

 DORDICK, HERBERT S. (A'55-M'57), Operations Research Analyst, RCA, Camden, N.J.

 DORE, BURKELL, V. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 DORE, BURKELL, V. (M'57), Sr. Engr., Sylvania Elec. Prods., Inc., Box 997, Mountain View, Calif.

 DORE, NICHOLAS J. (S '57-A'59), Asst. Supvr., Amperex Electronic Corp., 230 Duffy Ave., Hicksville, L. J., N. Y.

 DORED, WALTER (A'57), Radio Lab. Analyst, Aeronutronic Systems, Inc., 1234 Air Way, Glendale, Calif.

 DOREMIRE, FRED E. (S'43-A'45-SM'55), Instrumentation Sect. Leader, Los Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

 ORREMUS, JOHN A. (SM'47), V.P., Engrg., Alrcraft Radio
- OREMUS, JOHN A. (SM'47), V.P., Engrg., Alrcraft Radio Corp., Boonton, N.J.

 DOREY, JOHN D. (S'47-A'48), Dev. Engr., Sperry Gyroscope Co., of Canada, Ltd., 6011 Cote de Liese Rd., Montreal, P. Q., Canada

 DORF, HAROLD (M'56), Sr. Tech. Writer, Radiation, Inc., Melbourne, Fla.
- DORF, RICHARD H. (A'47-M'53), Pres. & Chief Engr., The Schober Organ Corp., 2248 Broadway, New York 24, N.Y.
- N.Y.

 DORFF, LOUIS A. (SM'49), Military Systems Engr., Bell Tel. Labs., Whippany, N.J.

 DORFMAN, JOHN C. (M'55), Patent Lawyer, Howson & Howson, 123 S. Broad St., Philadelphia 9, Pa.

 DORFMAN, JULIUS (A'43-M'46), Sales Mgr., Industrial Tube Div., Raytheon Mfg. Co., Newton 58, Mass.
- Mass.

 DORGELD, EDUARD G. (SM'58), Bibliotheekcentrale, N.V.
 Philips Gloeilampenfabrieken, Eindhoven, Holland.

 DORIAN, JOSEPH M. (S'52-A'53-M'58), Electronics
 Engr., Boston Naval Shipyard, Charlestown, Mass.

 DORING, RICHARD C. (S'55-A'56), Engr., U.S. Govt.
 Dept. of Defence, Home: 4905 Aurora Dr., Kensington,
 Md.
- Dept. of Deteiler, Rollies 4905 Aurora Dr., Rensington, Md.

 D'ORIO, ANGELO F. (A'50-SM'58), V.P. In Chg. of Mfg., Raypar, Inc., 7810 W. Addison Ave., Chicago 34, III.

 D'ORIO, PAT A. (A'40-SM'50), Pres. & Dir., Engrg., Raypar, Inc., 7810 W. Addison St., Chicago 34, III.

 DORMAN, DAVID (A'52-M'57), Sr. Group Leader, Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.

 DORN, CLIFFORD G. (A'54), Electronics Scientist, U.S., Naval Ordnance Labs., Corona, Calif.

 DORN, RAYMOND J. (A'56), Engrg. Administrator, ITT Labs., Paramus, N.J.

 DORNBOS, LEO J. (M'56), Mgr., Cleveland Div., Sprague Electric Co., 24 N. Main, Chagrin Falls, Ohio.

 DORNE, ARTHUR (A'47-M'47), Pres., Dorne & Margolin, Inc., 29 New York Ave., Westbury, L.I., N.Y.

DOR-DOY - 153 -

- DORNEY, PATRICK E. (M'52-SM'56), Engr., Litton Indus-tries, Inc., 960 Industrial Rd., San Carlos, Calif. DOROGUSKER, BERNARD (S'52-A'54), Electronics Engr., Perkin-Elmer Corp., Main Ave., Norwalk, Conn. DOROSH, MICHAEL (A'56), District Customer Engrg. Mgr., IBM., 701 2nd Ave., Minneapolis 2, Minn.
- IBM, 701 2nd Ave., Minneapolis 2, Minn.
 DORDSHOW, SEYMOUR R. (A'51-M'56-SM'57), Asst.
 Project Engr., Martin Co., Orlando, Fla.
 DORDTHY, JACK M. (S'55-M'56), Jr. Electronics Engr.,
 U.S. Army Signal Research & Development Lab., Ft.
 Monmouth, N.J.
- Monmouth, N.J.

 DORR, ROGER (A'52-SM'54), Electronics Engr., Litton
 Industries Electronic Display Lab., 1476 66 St., Emeryville, Calif.

 DORRATCAGUE, PIERRE E. (A'46-M'53), Research Engr.,
 Boeing Airplane Co., Seattle, Wash.

 DORRELL, CARTER E. (A'54), Assoc. Engr., IBM,
 Endicott, N.Y.

 DORDELL, PIESELLE, CALLOS CALLOS CALLOS

- DORRELL, RUSSELL E. (A'42-M'48-SM'55), Research Supvr., Diamond Ordnance Fuze Lab., Washington 25, D.C.
- DORRELL, VERNON A. (S'53-M'56), Electronics Engr., Telemetering Corp., of America, 8345 Hayvenhurst Ave., Sepulveda, Calif.
- DORRIS, CHARLES G. (M'56), Engr., Consultant, WLAC Broadcasting Service, Life & Casualty Bldg., Nashville 4, Tenn.

- DORRIS, CHARLES G. (M'56), Engr., Consultant, WLAC Broadcasting Service, Life & Casualty Bidg., Nashville 4, Tenn.

 DORRIS, RALPH M. (A'53), Engr., GE Co., 316 E. 9

 St., Owensboro, Ky.

 DORRIS, ROBERT C. (M'45), District Field Engr., Gawler-Knoop Co., 835 Glenside Ave., Wyncotc, Pa.

 DORROS, IRWIN (S'54-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 DORSAY, THEODORE A. (A'55), Sr. Engr., Philco Corp., 470D Wissahickon Ave., Philadelphia 44, Pa.

 DORSCHUG, HAROLD A. (A'45-M'46-SM'53), Dir., Engr., WTIC-AMP-M-TV, 26 Grove St., Hartford, Conn. DORSET, DONALD E. (A'57), Contract Administrator, Lockheed Misssile & Space Div., Sunnyvale, Calif. DORSETT, JAMES W., JR. (S'46-A'49-M'55), Sr. Engr., Ampex Corp., Redwood City, Calif. DORSET, JACK C. (M'59), Data Processing Equipment Engr., GE Co., 3198 Chesnut St., Philadelphia, Pa. DORSEY, JAKC K. (M'59), Data Processing Equipment Engr., GE Co., 3198 Chesnut St., Philadelphia, Pa. DORSEY, JAMES T. (M'59), Sect. Head, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.

 DORSEY, SAMUEL E. (M'53), Electronics Engr., U. S. Naval Ordnance Test Sta., China Lake, Calif.

 DORSHIMER, RICHARD C. (S'54-M'56), Analytical Engr., Hamitton Standard Div., Windsor Locks, Conn.

 DORST, STANLEY (A'43-M'57), Supvy. Engr., Sprague Electric Co., North Adams, Mass.

 DORWART, ROBERT J. (S'46-A'49-M'55), Engr., Boeing Airplane Co., Box 107, Seattle 14, Wash.

 DORMITT, STANLEY J. (S'54-M'56), Dev. Engr., Precision Industrial Design Co., Inc., 800 McCarter Hwy., Newark 2, N.J.

 DOSCH, JECHON L. (M'57), Engr., Technical Equipment Corp., 717 Acoma St., Denver 4, Colo.

 DOSCH, JECHON L. (M'57), Engr., Technical Equipment Corp., Rosevelt Field, Garden City, L.I., N.Y.

 DOSCH, JECHON L. (M'570, Electronics Scientist, Naval Air Development Center-ACL, Johnswille, Pa.

 DOSHAY, IRVING (S'50-A'52-M'55-SM'57), Head, Reliability, F. S. &S. Q. C., Hughes Aircraft, Culver City, Calif.

 DOSHER, RALPH T., JR. (M'53-SM'5B), Asst. Chief Engr., Texas Instruments, Inc., Box 6027, Houston 6, Texas I

- DOSHER, RALPH T., JR. (M'53-SM'5B), Asst. Chief Engr., Texas Instruments, Inc., Box 6027, Houston 6, Tex.

- Engr., Texas Instruments, Inc., Box 6027, Houston 6, Tex.

 DoSS, DONALD R. (A¹5B), Electronics Engr., Raytheon Mfg. Co., Box 949, Oxnard, Calif.

 DoSS, RONALD F. (S¹5B), M¹57), Project Mgr., Chalco Engrg., Corn., 15126 S. Broadway, Gardena, Calif.

 DOSSEY, JAMES L. (S¹4B-A¹50-M¹55), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 DOSTAL, FRANK X. (A¹37), Dev. Engr., American Time Prods., 580 5 Ave., New York 36, N. Y.

 DOSWELL, MENARD (A¹57), Reglonal Mgr., Electronic Industries, Chilton Co., Philadelphia 39, Pa.

 DOTEN, EDWARD F. (M¹54), Sr. Engr., Instrumentation Div., Ampex Corp., 860 Charter St., Redwood City, Calif.

 DOTO, NICHOLAS J. (S¹4B-A¹50-M¹55), Electronics Scientist, Engr., Dev. Dept., U. S. Naval Air Development Center, Johnsville, Pa.

 DOTY, AULTMAN (M¹5B), Capk., USAF, 6932 Radio Sqdn., Mobile, USAFSS, APO 329, New York, N.Y.

 DOTY, JAMES C. (S¹49-A¹51-M¹56), Design Engr., HMED, GE Co., Syracuse, N.Y.

 DOTY, JAMES S. (M³56), Elec. Engr., Test Equipment Design, Bendix Prods., Div., Mo Ames.

- Ind.

 DOTY, ROBERT L. (SM'56), Research Engr., Aukonetics
 Div., No. Amer. Aviation, Downey, Calif.

 DOTY, WILLIAM E. N. (A'53-M'5B), Supvg., Research
 Geophysicists, D. & R., Continental Oil Co., Ponca City,
 Okla.

 DUCET, DONALD W. (M'57), Sect. Head, Approvals Div.,
 Canadian Military Electronic Standards Agency, Dept. of
 Natl. Defence, Ottawa, Ont., Canada.

 DUICET, MAURICE (A'47), Outside Broadcast Supvr.,
 Canadian Broadcasting Comp., Box 6000, Montreal, P.Q.,
 Canada.

- Canaba.
 DOUCETTE, A. ROBERT (A'43-M'47-SM'59), Sr. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 DOUCETTE, EDWARDI. (M'58), Supvr., Bell Tel. Labs.,
 Murray Hill, N.J.
- Murray Hill, N.J.
 DOUCETTE, JOSEPH T. K. (A'58), Central Field Training Supvr., Federal Electric Corp., Paramus, N.J.
 DOUGAL, ARWIN A. (S'50-A'53-M'58), Assoc. Prof.,
 Elec. Engra, . The Technological Institute, Northwestern
 Univ., Evanston, III.
- Univ., Evanston, III.

 DUGHERTY, HAROLD T. (S'4B-A'49-M'55), Electronics
 Engr., Central Radio Propagation Lab., Natl. Bureau of
 Standards, Boulder, Colo.

 DOUGHERTY, HUGH J. (S'54-M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.

 DOUGHERTY, J. D. (A'43), 263 Summer St., Boston 10,
 Mass.
- DOUGHERTY, JAMES G., JR. (A'51-M'56), Engr., Vitro Corp. of America, 14000 Georgia Ave., Silver Spring, Md.

- DOUGHERTY, JAMES W. (M'48), Chief Engr., Auto Radio Div., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.
- Pa.

 DOUGHERTY, JOSEPH P. (S'53-A'54-M'59), Design &
 Dev, Engr., RCA, Moorestown, N.J.

 DOUGHERTY, JOSEPH W. (A'59), Tech. Specialist, IBM,
 Kingston, N.Y.

- DOUGHERTY, JOSEPH W. (A'59), Tech. Specialist, IDM, Kingston, N.Y.

 DOUGHERTY, RICHARD L. (A'55), Staff Engr., IBM, Kingston, N.Y.

 DOUGHERTY, ROBERT H. (S'50-A'51-M'56), Supry. Engr., Defense Engrg., Chrysler Corp., Box 1316, Detroit 31, Mich.

 DOUGHTY, SAMUEL D. (S'49-A'50-M'56), Electronics Engr., RCA Missile Test Project, Patrick AF8, Fla.

 DOUGLAS, ALAN (M'55), Sr. Dev. Engr., Ericsson Telephones, Ltd., High Church St., New Basford, Notts, England.

- DOUGLAS, DANIEL A. (S'43-A'46), Sr. Project Mgr., RCA Surface Communications Systems Lab., 75 Varick St., New York 13, N.Y.

 DOUGLAS, DONALD L. (SM'5B), Elec., Engr., Hughes Aircraft Co., Culver City, Calif.

 DOUGLAS, DONALD R. (A'56), Supvr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohlo.

 DOUGLAS, HOWARD T. (S'56-M'56), Assoc., Test Equipment Engr., Hughes Aircraft Co., Box 5555, Tucson, Ariz.

 DOUGLAS, JAN M. (S'54-M'55), Engr., Canadair Services, Ltd., Box 6087, Montreal, P. Q., Canada.

 DOUGLAS, J., CREIGHTON (A'48-M'55), Chief Engr., Radio Sta., CFCF., Canadian Marconi Co., Dominion Sq., Bldg., Montreal, P. Q., Canada.
- DIOG., MONTREAL, P.Q., Canada.
 DOUGLAS, JAMES H. (A'53-M'58), Research Engr., Elec.
 Engrq., Research Lab., Unilv of Texas, Austin 12, Tex.
 DOUGLAS, JAMES L. (M'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- N.Y.
 DOUGLAS, JOHN E. (A'54), TV Transmitter Engr.,
 KPRC-TV, Houston Post Co., Box 1234, Houston, Tex.
 DOUGLAS, JOHN W. (5'54-A'55), RCA. Camden, N.J.
 DOUGLAS, R. HARRY (A'47-M'47), Chief Engr., Douglas
 Microwave Co., Inc., 252 E. 3rd St., Mt. Vernon, N.Y.
 DOUGLAS, RALPH M. (A'54), Tech. Asst., IBM, Kingston, N.Y.
- N.Y.

 DOUGLAS, WILLIAM J. (M'57), Field Research Engr.,
 Burroughs Corp., 14300 Tireman St., Detroit, Mich.
 DOUGLAS, WILLIAM S. (A'53), Project Engr., Telechrome
 Mfg. Corp., 28 Ranick Dr., Amityville, L.I., N.Y.
 DOUGLASS, CHARLES F. (A'44-SM'52), Sect. Head,
 Sylvania Elec. Prods., Inc., Emporium, Pa.
 DOUGLASS, FRANCIS W. (S'46-A'50-M'55), Electronics
 Scientist, U. S. Naval Air Development Center, Johnsville,
 Pa.

- DOUGLASS, HARRY H. (M'58), 1610-H Doolittle Rd., Baltimore 21, Md.
- Baltimore 21, Md.

 DOUGLASS, THEODORE F. (M'56), Mgr., Div., Public Service Co. of New Mexico, Box 186, Belen, N.M.

 DOUGLASS, WILLIAM D., JR. (M'56), F. Instr., Defense Systems Dept., GE Co., Box 418, Littleton, Colo DOULOS, NICHOLAS P. (A'52), Navy Electronics Equipment Inspector, Naval Material, 207 W. 24 St., New York, N.Y.

 DOUMA, JOHN E. (A'53), Communications Maintenance, Ordnance Corps, Redstone Arsenal, Ala.

 DOUMA, TJISKE (A'51-M'57), Electronics Engr., RCA, Mooreston, N.J.

 DOUNDOULAKIS, GEORGE J. (A'54-M'57), Dir., Research, Genl. Bronze Corp., 711 Stewart Ave., Garden City, L.I., N.Y.

- N.Y.
 DOURVANAS, STYLIANOS A. (A'56), Instr. Engr., Hellenic
 Petroleum Refinery Co., 4, Akadimias Str., Alhens, Greece.
 DOUTHETT W. WALTON (M'59), District Service Mgr.,
 Sylvania Home Electronics Div., 700 Ellicott St., Batavia,
 N.Y.
- DOUTHWAITE, WILLIAM, JR. (A'52-M'57), Elec. Engr., RCA, Camden 2, N.J.
- RCA, Camden 2, N. J.

 RCA, Camden 2, N. J.

 DOUTRE, BERNARD G. (M'53), Special Assignments Engr., Telecommunications, Trans-Canada Air Lines, 1080 University St., Montreal, P. Q., Canada.

 DOVE, DONALD E. (S'56-M'5B), Electronics Engr., Bendix Aviation Corp., Hickory Grove Rd., Davenport, Iowa.

 DOVE, JAMES B. (A'47), Pres., J. B. Dove & Sons, Inc., Amber & Westmoreland Sts., Philadelphia 34, Pa.

 DOVE, PAUL S. (M'46), Mgr., Allen B. DuMont Labs., Inc., 425 13 St., N. W., Washington 4, D. C.

 DOVE, ROY L. (A'57), Base Communications Officer, USAF, Brooks AFB, Tex.

 DOVER, BERNARD M. (S'49-A'54-M'59). Research &

- DOVER, BERNARD M. (S'49-A'54-M'59), Research & Design Engr., Consultant, 274 Sullivan PI., Brooklyn 25, N.Y.

- DVESTIGNT, CONSULTANT, 2/4 SUITIVAN PT., Brooklyn 25, N,Y.

 DOVER, JEROME J. (M'53-SM'57), Dist. Mgr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 DVERSBERGER, KENNETH W. (A'53-M'5B), Elec. Engr., Delco Radio Div., GMC, 700 E. Firmin St., Kokomo, Ind.

 OVEY, HENRY N. (S'54-M'57), Field Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DOVI, ANTONY C. (M'59), Sr. Engr., WestInghouse Elec. Corp., Box 284, Elmira, N.Y.

 DVIAK, RICHARD J. (S'56-M'57), Asst., Instr., Moore School of Elec. Engra., 200 S. 33 St., Philadelphia 4, Pa.

 DOW, DANIEL G. (S'53-M'57), Asst., Prof., Elec. Engra., Pasadena, California Tt., Pasadena, California St., Pasadena, California St., Pasadena, California St., Pasadena, California St., Dow, JENNINGS B. (M'26-F'42). Pres. Hazeltine Flac-
- DOW, JENNINGS B. (M'26-F'42), Pres., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.
 DOW, ORVILLE E. (A'31-SM'54), Project Engr., RCA,
- DOW, ORVILLE E. (A'31-SM'9-4), Project Engr., RCA, Princeton, N.J.

 DOW, WILLIAM G. (M'39-SM'43-F'50), Chmn., Dept. of Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.

 DOWD, JOHN F. (A'58), 1216 Chillum Manor Rd., Hyatts-ville, Md.

 DOWDELL, JOHN T. (A'41), Chief Engr., WIBX, Inc.

 187 Genesee St., Utica 2, N.Y.

 DOWDELL, VICTOR L., JR. (M'57), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- 9, N.Y.
 DOWDEN, WILLIAM M. (M'58), Prod. Sales Mgr., Sylvania
 Elec. Prods., Inc., 1891 E. 3rd St., Williamsport, Pa.
 DOWDLE, ERNEST E. W. (S'54-M'56), Adjuster, Westinghouse Elevator Div., 411 N. 7 St., St. Louis I, Mo.
 OWDLE, JOHN F. (M'56), Instr., Electronics Engrg.,
 California State Polytechnic College, San Luis Obispo, Calif.

- DOWDS, HENRY M. (S'48-A'49-M'55), Cyclotron Engr., Columbia Univ., Pupin Labs., 538 W.120 St., New York, N.Y.
- N.Y.
 DOWDS, THOMAS A. (A'52-M'58), Assoc. Research Engr.,
 Burnoughs Corp., Research Center, Paoli, Pa.
 DOWE, ROBERT J. (A'55), District Engr., Southern Bell
 Tel. & Tel. Co., 4000 Tchoupitoulas, New Orleans 1.5, La.
 DOWELL, KENNETH P. (A'46-M'55), Asst. Chlef Engr.,
 Apparatus Div. Engrg., Texas Instruments, Inc., 4059
 Lomita Lane, Dallas 20, Tex.
 DOWELL BREPT I. (AMES).

- Lomita Lane, Dallas 20, Tex.

 DOWELL, ROBERT J. (M'57), Electronics Engr., Convair,
 San Diego 5, Calif.

 DOWELL, MILLIAM B., JR. (S'57-M'59), Elec. Engr.,
 Sperry Microwave Electronics Co., Clearwater, Fla.
 DOWERS, ALFRED A. (A'38-VA'39), Pres., A. A.
 Dowers Co., Huntington Park, Calif.
 DOWLING, DONALD J. (S'57-M'59), Elec. Engr., The
 Texas Co., Rice & Gulfton, Bellaire, Tex.

 DOWLING, EOWARD C. (A'52), District TV Service Mgr.,
 Hotpoint Co., 20310 Kinsman Rd., Cleveland 22, Ohio.

 DOWLING, KENNETH T. (A'52-M'57), Ingrin-in-dp, Fleet
 Support Detr., Raytheon Mfg. Co., 101 Highway, Oxnard,
 Calif.

 DOWLING, B. HABVEY (A'42-M'47), Tark Dim Markey, Oxnard,
 Calif.

 DOWLING, B. HABVEY (A'42-M'47), Tark Dim Markey, Oxnard,
 Calif.

- Calif.

 DOWLING, R. HARVEY (A'43-M'47), Tech. Div. Mgr., Trusound High-Fidelity, 34D0 Stevens Creek Rd., San Jose, Calif.

 DOWLING, THOMAS J. (A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DOWNER, EDWARD W. (M'56), Engr., Cleveland Electric Illuminating Co., 55 Public Sq., Cleveland 13, Ohio.

 DOWNES, ALFRED B. (A'53), Security Analyst, Tucker Anthony & R. L. Day, 74 State St., Boston 7, Mass.

 DOWNES, CALVIN L. (A'56), Tech. Specialist, GE Co., Lynchburg, Va.

 DOWNES, LLOYD C. (S'43-A'45-M'52-SM'54). Engr..

- DOWNEY, CALVIN L. (A'56), Tech. Specialist, GE Co., Lynchburg, Va.

 DOWNES, LLOYD C. (S'43-A'45-M'52-SM'54), Engr., Mngt., Command Systems, Inc., 11342 Playa St., Culver City, Calif.

 DOWNEY, C. E. (A'41-M'55), Radio Electronic Co., 119 Villanova Dr., Oakland 11, Calif.

 DOWNEY, EDMOND F. (S'56-A'56), Electronics, TV Technician, 6 West Ave., Larchmont, N. Y.

 DOWNEY, EDWARD J., J.R. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 DOWNEY, JOHN P. (S'55-M'56), Engr.-in-Chg., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 DOWNEY, REGINALD L. (A'50-M'55), Project Engr., GE Co., Syracuse, N.Y.

 DOWNEY, WILBUR F. (S'49-A'51-M'56), Engr. Group Leader., Autonetics Div., No. Amer. Aviation, Downey, Calif.

- Leader., Autonetics Div., No., Amer., Aviation, Downley, Calif.

 DOWNHAM, HAROLD A. (M'56), Engr. Lockheed Aircraft Corp., Sunnyvale, Calif.

 DOWNIE, DAVID E. (M'57), Elec. Engr., Air Borne Fire Control, RCA, Camden, N.J.

 DOWNIE, Wayne A. (M'40-SM'43), Project Engr., GE Co., Syracuse, N.Y.

 DOWNIE, Wayne A. (A'44-M'52), Chief, Ground Radio Engrg., Pan American World Airways, Inc., San Francisco Internat. Airport, San Francisco 28, Calif.

 DOWNING, GEOFFREY (M'55), Group Engr., Boeing Airplane Co., Box 707, Renton, Wash.

 DOWNING, HENRY L. (A'32-VA'39), Mem. Tech. Staff, Bell Tel., Labs., 555 Union Blvd., Allentown, Pa.

 DOWNING, JOHN J. (M'53), Sr. Scientist, Lockheed Missiles & Space Div., Palo Alto, Calif.

 DOWNING, JOHN L. (S'53-M'59), MIT, Graduate House, Cambridge 39, Mass.

 DOWNING, JOHN P., JR. (S'58-M'58), Capt., U, S. Army, COWNING, JOHN P., JR. (S'58-M'58), Capt., U, S. Army, COWNING, JOHN P., JR. (S'58-M'58), Capt., U, S. Army, COWNING, JOHN P., JR. (S'58-M'58), Capt., U, S. Army, COWNING, JOHN P., JR. (S'58-M'58), Capt., U, S. Army, COWNING, JOHN P., JR. (S'58-M'58), Capt., U, S. Army, COWNING, JOHN P., JR. (S'58-M'58), Capt., U, S. Army, Comp. Capt., U, S. Army, Capt., U, S. Army, Capt., U, S. Army, Capt., Capt., Capt., U, S. Army, Capt., Capt., U, S. Army,
- Cambridge 39, Mass.

 DOWNING, JOHN P., JR. (S'58-M'5B), Capt., U. S. Army, Asst. Chief, Systems Div., Automatic Data Processing Dept., U. S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.

 Ft. Huachuca, Ariz.

 DOWNING, JOHN T. (A'44-M'55), Electronics Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 DOWNING, KENNETH D. (SISA-MEZ) Acco. 5-22, 1244
- tord, Mass.

 DOWNING, KENNETH D. (S'56-M'57), Assoc. Engr., IBM Space Computing Center, 615 Pennsylvania Ave., Washington, D.C.

 DOWNING, MYRON K. (S'57-A'59), 2713 Edison Ave., Sacramento 21, Calif.

- Sacramento 21, Calif.

 DOWNING, RICHARD E. (A'37-M'55), 25 Garden St., Cambridge 3B, Mass.

 DOWNING, TOLLIVER S. (S'57-M'59), Assoc. Engr., McDonnell Aircraft Co., Robertson, Mo.

 DOWNS, GEORGE W. (A'38-SM'45), Pres., Research Instrument Corp., 30 W. Green St., Pasadena, Calif., V.P., Applied Physics Corp., 362 W. Colorado St., Pasadena, Calif.; Div., Div., Dynamics Instrumentation Co., Div. Alberhill Corp., 118 Mission St., South Pasadena, Calif.

 DOWNS. GRESHAM C. (S'53-M'59), 3045-5045.

- Calif.

 DOWNS, GRESHAM G. (S'53-M'5B), 1016 Espeio St.,
 N.E., Albuquerque, N.M.

 DOWNS, HAROLD I. (S'50-A'52-M'57), Shop Engr.,
 Memphis Light, Gas & Water Div., c/o Central Shops,
 Memphis, Tenn.

 DOWNS, JOHN W. (A'47-SM'52), Dir., RF Div., Radiation,
 Inc., Malboume, Fla.

 DOWNSBROUGH, GEORGE A. (A'43-M'55), Pres. & Treas.,
 Boonton Radio Corp., Intervale Rd., Boonton, N.J.

 DOWSE, EDMUND C., JR. (M'55), Sr. Applications Engr.,
 Sylvania Elec. Prods., Inc., Seneca Falls, N.Y.

 DOWSKI, JULI JAN J. (M'58), I Parkside Dr., Lake Katrine,
- DOWSKI, JULIAN J. (M'58), 1 Parkside Dr., Lake Katrine, N.Y. DOXEY, GEORGE A. (A'55), Sales Mgr., GE Co., Syracuse, N.Y.
- cuse, N.Y.

 DOXEY, WILLIE L. (M'53), Deputy DIr., Electronic Components Research Dept., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 DOXTATOR, ROBERT H. (S'54-A'55), Reliability Engr., IBM, Endicott, N.Y.

 DOYEN, RICHARD G. (A'54), Project Engr., GMC, Milwaukee, Wis

- kee, Wis.

 DOYKA, STANLEY F. (M'57), Service Engr., Lockheed
 Missile Systems Div., Sunnyvale, Calif.

 DOYLE, CHARLES E. (A'53-SM'58), Chief, ResistorInductor-Capacitor Branch, Electronic Components Lab.,
 USAF, Wright Air Development Center, Wright-Patterson

DOYLE, CLARENCE M. (A'55), Electronics Technician, Rome Air Development Center, Griffiss AFB, N.Y.
DOYLE, EDWARD J. (A'29-VA'39-SM'51), Consulting Engr., 317 Las Casas, Pacific Palisades, Calif.
DOYLE, EDWARD J. (SM'58), Voice Frequency Systems Engr., A'T&T.Co., 195 Broadway, New York 7, N.Y.
DOYLE, ELIZABETH M. (M'50), Sr. Electronics Engr., U. S. Govt., Washington 25, D.C.
DOYLE, EVERETT J. (S'51-M'55), Elevator Adjuster, Westinghouse Elec. Corp., 9 Rockefeller Center, New York, N.Y.

DOYLE, FRANCIS A. (S'53-A'54), Electronics Engr., Anderson Nichols & Co., I50 Causeway St., Boston I4, Mass.

Mass,
DOYLE, FRANCIS H. (M'57), Supvr., Staff Sect., Western
Electric Co., 220 Church St., New York, N.Y.
DOYLE, JAMES W. (A'56), Electronics Engv., Ryan Aeronautical Co., Kearry Mesa Rd., San Dlego II, Calif.
DOYLE, JOHN M. (A'59), Instr., Cleveland Institute of
Radio Electronics, 4900 Euclid Adve., Cleveland, Ohio,
DOYLE, RICHARD E. (S'47-A'48-M'54), Head, Applications Engro., Continental Device Corp., 12911 Cerise
Ave., Hawthorne, Calif.

DOYLE, RICHARD J. (A'50), Pres., Service Mgr., Doyle's Mt. Kisco Radio Shop, Inc., 24 E. Main St., Mt. Kisco, N.Y.

N.Y.

DOYLE, WILLIAM A. (A'53-M'58), Maj., USAF, Electronics Engr., Sandia Base, Albuquerque, N.M.

DOYLE, WILLIAM C. (M'56), Electronics Engr., Comel!

Aeronautical Lab., Inc., 4455 Genesee St., Buffalo 21,

N.Y.

DOYLE, WILLIAM J. (S'55-M'58), Design Engr., Burroughs Corp., 14300 Tireman St., Detroit, Mich.

DOYLE, WILLIAM T. (A'41-M'55), Condr., USN, AED, Naval Research Lab. Washington 25, D.C.

DOYLE, WORTHIE (SM'56), Applied Mathematics, MIT, Lincoin Lab. Lexington 73, Mass.

DOYLEN, DANIEL H. (M'49), Engr., Wisconsin Telephone Co., 722 N. Broadway, Milwaukee 2, Wis.

DOZIER, EARL C. (A'52), Electronics Engr., USAF, Warner Robins AFB, Ga.

DOZIER, JAMES J., JR. (A'52), Electronics Scientist, David Taylor Model Basin, USN, Washington 7, D.C.

DOZIER, JOHN W. (A'58), Electronics Engr., Martin Co., Baltimore 3, Mid.

DOZIER, WILLIAM A. (S'53-M'55), Distribution Engr.

Balkimore 3, Md.
DOZIER, WILLIAM A. (S'53-M'55), Distribution Engr.,
Georgia Power Co., Tifton, Ga.
DRAHEIM, KIRK P. (A'58), Asst. Genl. Mgr., Western
Div., Collins Radio Co., Burbank, Calli,
DRAHEIM, LLOVD H. (A'51-M'52), Engr., Well Surveys,
Inc., Box 2656, Tulsa 3, Okt.

DRAKE, ALBERT L., JR. (S'55-M'57), Electronics Research Engr., Lockheed Missile Systems Div., Box 504, Sunnyvale, Calif. DRAKE, ARTHURH. (A'58), Design Engr., RCA, Camden,

N.J.

DRAKE, FRANK D. (M'57), Radio Astronomer, Natl. Radio Astronomy Observatory, Green Bank, W. Va.

DRAKE, FREDERICK H. (A'25-M'28-SM'43-F'57), Inventor, Squire Rd., Roxbury, Conn.

DRAKE, HARRY (A'56), Communications & Electronics Officer, USAF, Hgrs., Boston Air Defense Sector, Stewart AFB, N.Y.

DRAKE, HEDBERT R. (M'451, V.P., Crocker-Anglo Natl.)

DRAKE, HERBERT B. (M'45), V.P., Crocker-Anglo Natl. Bank, 1 Montgomery St., San Francisco 20, Calif. DRAKE, JAMES C. (M'51-SM'58), Sr. Electronics Engr., Convair-Astronautics, San Diego, Calif.

DRAKE, JOHN E. (S'53-M'57), Engr., Martin Co., Balti-more 4, Md.

more 4, Md.

DRAKE, JOHN M. (M'58), Sr. Scientist, Lockheed Missile
Systems Div., Palo Alto, Calif.

DRAKE, KENNETH W. (S'54-M'57), Staff Mem., Sandia
Corp., Sandia Base. Albuquerque, N. M.

DRAKE, ROBERT L. (M'56), Asst. Prof., Elec. Engrg.,
Tulane Univ., 6825 St. Charles St., New Orleans 18, La.

DRAKE, RUSH S. (M'59), 1806 Bush Pl., Seattle 44,
Wash.

WASH.

PRAKE, WALTER E. (S'56-M'57), Pres., Coast Electronics, Inc., 2504 Palm Ave., Manhattan Beach, Calif.

DRAKE, WILLIAM A. (A'53-M'57), Sr. Electronics Engr., Convair, Pomona, Calif.

DRAKE, WILLIAM H. (M'58), Mem. Tech. Staff, Space Technology Labs., 5730 Arbor Vitae, Los Angeles 45,

Cair.

DRAKE, WLLIAM W., JR. (A'52-M'55), Dir., Planning Coordination, Raytheon Mfg. Co., Waltham 54, Mass.

DRAME, HENRY (A'57-M'58), Sgt., Chlef Radio Operator, Detroit Police Dept., 1300 Beaubien, Detroit 31, Mich.

DRAME, RICHARD L. (S'55-M'56), 907 W. Lefevre St., Sterling, III.

DRAME, RIGHAND L. S. M. Sol. M. Sol. M. Sol. M. Sol. M. Sol. M. Sterling, III.

DRAMETZ, ABRAHAM (S'43-A'48-M'54), V.P., Gulton Industries, Durham Ave., Metuchen, N.J.

DRAMKHAM, VOIT C. (S'55-M'56), Control Engr., Westinghouse Elec. Corp., Buffalo, N.Y.

PRAPER, CHARLES S. (A'53-F'55), Dir., Instrumentation Lab., Head, Dept. of Aeronautical Engrg., MIT, Cambridge 39, Mass.

Lab., Hea 39, Mass DRAPER, CLARENCE A. (M'55), Electronics Engr., Hyrs., Air Research & Development Command, Andrews AFB, Wash-Ington 25, D.C.

DRAPKIN, PAUL E. (S'57-M'57) Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

DRAPKIN, PAUL E: (S'57-M'57) Engr., Ampex Corp., 934 Charer St., Redwood City, Calif. Paraner St., Redwood City, Calif. Pharer St., Redwood City, Calif. Pharer St., Redwood City, Calif. Phare., Li.N.Y. DRATCH, JOSEPH E. (A'53), Sr. Staff Engr., RAD, Avco Mig. Co., Lawrence, Mass. DRAUS, ANDREW R. (M'59), Dev. Engr., Ohmite Mfg. Co., 3601 Howard Ave., Skokle, Ill. DRAVNEEK, WILLIAM R. (M'46), Sect. Chief, Reconnalssance Branch, U.S. Army Signal Research & Development Lab., Ft. Moomouth, N.J. DRAYNER, ALLEN H. (S'48-A'50-SM'55), Head, Electronics Reliability Convair, San Diego, Calif. DRAZDAUSKAS, CHARLES J. (S'56-M'58), Assoc. Engr., IBM, Poughkeepsie, N.Y. DRAZY, ELBERT J. (S'41-A'44-M'55), Mem. Tech. Staff, Bell Tel, Labs., Murray Hill, N. J. DREESSEN, WALLAGE B. (A'46-M'55), Sr. Field Engr., Raytheon Mfg. Co., Waltham 54, Mass. DREHER, CARL (F'57), Writer, RD 3, Brewster, N.Y.

DREIFKE, GERALD E. (A'50-M'56), Assoc. Prof., Elec. Engr., & Dir., Dept. of Elec. Engrg., St. Louis Univ., Institute of Technology, 3621 Olive, St. Louis 8, Mo.; Consultant, Emerson Electric Co., 8100 W. Florissant, St. Louis 21, Mo.

Louis 21, Mo.

DREISBACH, ROBERT H. (A'28-VA'39-M'55), Mgr., Communications & Navigation Engra., The Magnavox Co., 2131 Bueter Rd., Ft. Wayne, 4, Ind.

DREISOERNER, DON A. (S'57-A'58), Elec. Inspector, Bendix Aviation Corp., Kansas City, Mo.

DRENICK, RUDOLF F. (SM'52), Mem. Tech. Staff, Bell Tel Labs., Murray Hill, N.J.

DRENNAN, HARRY J. (S'56-M'58), dr. Engr., Southwestern Industrial Electronics, 2801 Post Oak, Houston, Tex.

westem Industrial Electronics, 2801 Post Oak, Houston, Tex.

DRENNAN, JESSE B. (A'54), Lead Systems Design Engr., Chance-Vought Aircraft, Inc., Box 5907, Dallas 22, Tex.

DRESBACH, GEORGE R. (S'56-M'58), Engr., Microwave Engrg. Labs., 943 Industrial, Palo Alto, Calif.

DRESCHER, DAVID C. (S'54-M'57), Asst. Engr., Raytheon Mfg. Co., Wayland, Mass.

DRESCHER, LEO (S'50-A'52-M'57), Consulting Design Engr., Airojet-Genl. Corp., Box 653, Humtsville, Ala.

DRESCHER, LUTHER L. (A'52-M'57), Design Engr., Rowe Industries, 1702 Wayne St., Toledo 9, Ohio.

DRESCHER, UTHER L. (A'52-M'57), Design Engr., Ohio.

DRESCHER, NORMAN W., JR. (A'55), Prototype, Design & Construction, 305 2nd St., Hamlet, N.C.

DRESNER, ARTHUR (M'56), Engr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.

DRESSEL, HENRY M. (A'41), Dir., Electronics Research & Engrg., Stackpole Carbon Co., Tanery St., St. Mary's, Pa.

DRESSEL, HERMAN O. (A'49-M'51), Sr. Engr., Sylvania Elec. Prods., Inc., Physicis Lab., 208-20 Willets Pt. Blvd., Flushing, L.I., N.Y.

DRESSEL HOUSE, PAUL H. (A'51-M'57), Assoc. Engr., Douglas Aircraft Co., Torrance, Calif.

DRESSER, PHILIP L. (S'50-A'51-M'56), Supvr., Quality Control, Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

DRESSER, S. RICHARD JR. (A'50-M'55), Investor,

104 Elmwood Ct., Emporium, Pa.

DRESSER, W. ROBERT (A'41-SM'45), Chmn., Dept. of Engrs., New Haven College, 51 Prospect St., New Haven 11. Com.

DRESSIN, SAM A. (S'55-M'57), Maj. USMC, Asst. For Marine Corps Programs, Code 675, Bureau of Ships, Main Navy Bldg., Washington, D.C.

Navy Bidg., Washington, D.C.

MESSLER, JOHN W. (M'53), Electronics Engr., Hughes
Aircraft Co., Culver City, Calif.

DRESSLER, ROBERT (S'46-A'49-SM'54), Exec, V.P.
Autometric Corp., 1501 Broadway, New York 36, N.Y.

DRESTE, FRED E. (M'50-SM'57), Reliability & Components
Group Dir., Motorola, Inc., 8201 E. McDowell Rd.,
Phoenix, Ariz.

Picenix, Ariz.

DREW, CHARLES E. (A'23-M'27-SM'43)(L), Retired, 295 Main St., Tuckahoe, N,Y.

DREW, DANIEL H., JR. (M'59), Field Service Rep., Boeing Airplane Co., Seattle, Wash.

DREWETT, JOHN D. (S'58-M'58), Flight Test Engr., Convair, Ft. Worth, Tox.

DREW, THOMAS D. (A'52), Research Technician, Atomic Energy of Canada, Ltd., Chalk River, Ont., Canada.

DREW, RENE E. (A'58), Project Engr., Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N.J.

DREW, DONALD B. (A'56), Pres., Drew Associates, Inc., 56 The Great Rd., Bedford, Mass.

DREWS, GWILLIAM A. (M'59), Head Electronic Dev., Atlantic Research Corp., 901 N. Columbus St., Alexandria, Va.

DREWS, GERALD E. (S'58-M'59), Communications

Electronics Officer, USS Westchester County, LST 1167, FPO, San Francisco, Calif.

DREXEL, ARTHUR (A'54), Engr., Florida Power & Light

DREXEL, ARTHUR (A'54), Engr., Florida Power & Light Co., Box 3100, Miami 30, Fla.

DREXEL, ROME (A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

DREYER, GEORGE C. (S'55-M'58), Plant Staff Asst., Cincimati & Suburban Bell Tel. Co., 225 E. 4 St.,

DREYER, GEORGE C. (S'55-M'58), Plant Staff Asst., Cincinnati & Suburban Bell Tel. Co., 225 E. 4 St., Cincinnati & Suburban Bell Tel. Co., 225 E. 4 St., Cincinnati & Suburban Bell Tel. Co., 225 E. 4 St., Cincinnati & Ohio.

DREYER, KARL (A'35-SM'54), Sr. Engr., RCA, New Holland Ave., Lancaster, Pa.

DREYER, ROBERT F. E. (A'54), Elec. Technician, Offshore Raydist, Inc., Esox 13055, New Orleans 25, La.

DREYFUS, JAMES (SM'58), Maj. Genl., U.S.Army, Dir., Communications, Electronics, Joint Staff, The Joint Chiefs of Staff, Washinston 25, D.C.

DREYFUS, PHILIPPE L. (S'51-A'52), Sr. Engr., Compagnie Des Machines BULL, 94 Ave., Gambetta, Paris 20, France.

DRIESE, EDWARD C. (S'56-M'58), Engr., Melpar, Inc., 3000 Arlingtons Bivd., Falls Church, Va.

DRIGGERS, BILL H. (A'53), Suprvy. Engr., Westinghouse Elec. Coro., Friendship Internati. Airport, Baltimore, Md.

DRIGGERS, BILL H. (A'53), Suprvy. Engr., Westinghouse Elec. Coro., Friendship Internati. Airport, Baltimore, Md.

DRIGGES, BARRY W. (S'57-M'58), Engr., Western Electric Co., Lexington Rd., Winston-Salem, N.C.

RILLING, NORBERT E. (S'55-M'55), Factory Engr., RCA, 501 N. LaSalle, Indianapolis 1, Ind.

DRISCOLL, BARRIE K. (S'57-M'58), Elec. Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

DRISCOLL, FRANCIS K. (S'51-A'54-M'58), Engr., Transitron Coro., 407 Main St., Melrose, Mass.

DRISCOLL, JOHN F. (S'52-A'53-M'59), Engr., Transitron Coro., 407 Main St., Melrose, Mass.

DRISCOLL, WARON W. (SM'56), V.P., Research Baird-Atomic, Inc., 33 University Rd., Cambridge, Mass.

DRISCOLL, WALTER G. (S'49-A'51-M'59), Component Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

DRISCOLL, WALTER G. (S'49-A'51-M'56), Dev. Engr., CECo., Auburn, N.Y.

CECO., Auburn, N.Y.

Industries, Inc., Camden, Me.
DRISKELL, ROGER D. (S'49-A'51-M'56), Dev. Engr.,
GE Co., Auburn, N.Y.

GE Co., Aubum, N.Y.
DRISKELL, RICHARD O. (M'57), Pres., R. O. Driskell,
4106 Alameda Dr., San Diego 3, Calif.
DRISDALE, THOMAS B. (A'47), Owner, SOS Radio Service,
1641 Westheimer St., Houston 6, Tex.
DRIVER, C. BRUCE (S'54-M'58), Field Engr., Federal
Electric Corp., Paramuts, N. J.

DRIVER, GARTH E. (M'54), Engr., GE Co., Richland,

DRIVER, JOHN P. (S'43-A'45-M'55), V.P. & Genl. Mgr., Shand Radio Specialities, Inc., 2608 Leith St., Flint 6, Shan

DROBISH, RUDOLPH W. (A'52), Sales Engr., The Halli-crafters Company, 4401 W. 5 Ave., Chicago 24, III. DROEGE, FRED J. (A'56), Assoc. Engr., IBM, Endicott,

DROEGE, RAYMOND F. (A'53), Journeyman TV Techni-cian, RCA Service Co., 1376 Kingsland, St. Louis 14,

Mo.

DROESCH, FRANK A., 111 (A'58), Electronics Research Engr., Rocketdyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.

DROGIN, EDWIN M. (S'53-A'55), Engr., Airborne Instrument Lab., Mineola, L.1., N.Y.

DROGOSZ, DONALD W. (S'57-M'59), 2516 S. Kedzie Ave., Chicago 23, Ill.

DROLLINGER, RICHARO H. (A'57-M'58), Radar Maint. Officer, USAF, 602nd ACWRON, APO 321, New York, N.Y.

DROMMERHAUSEN, DANIEL G. (SM'57), Mem. Tech. Staff, Systems Test Group, Space Technology Lab., Ramo-Wooldridge Corp., 5730 Arbor Vitae Ave., Los Angeles 45,

Call II.

ROPKIN, HERBERT (A'51-M'56), Electronics Engr.,
Diamond Ordnance Fuze Lab., Washington 25, D. C.

PROSIN, ALLAN B. (A'48-M'54), Principal Engr., Ford
Instrument Co., 31-10 Thomson Ave., Long Island City 1,
N.Y.

DROSSMAN, MELVYN M. (S'54-M'59), 1487 Shore Pkwy. Brooklyn 14, N. Y.

DROSSOS, JAMES (M'55), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N. Y. DROSTE, GEORGE T. (M'54), 215 Meisner Ave., Staten Island 6, N. Y.

DROUILHET, PAUL R., JR. (S'51-M'57), Electronics Engr., Lincoln Lab., MIT, Lexington 73, Mass. DROZD, CHARLES J. (S'57-A'58), Electronics Design Engr., Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio

DROZNIAKIEWICZ , DONALD L . (A'56-M'57), Electronics Engr., AC Spark Plug Div., 1925 E. Kenilworth, Milwaukee 2, Wis.

kee 2, Wis.

DROZT, PETER (A'49), Engr., Ohmite Mfg. Co., 3601
W. Howard St., Skokie, JII.

DRUBIN, MEIR (S'50-A'51-M'58), Sr. Engr., W. L. Maxson Corp., 460 W. 34 St., New York 1, N. Y.

DRUCE, ALBERT J. (M'50), Assoc. Prof., A. & M. College of Texas, College Sta., Tex.

DRUCKER, ALVIN N. (S'51-A'52-M'57), Mem. Tech. Staff, Technology Labs., Box 95001, Los Angeles 45, Calif.

DRUCKERMAN, MARTIN (M'57), Engr., IBM, Poughkeepsie, N. Y.

DRUEY, WALTER (SM'55), Prof., Tech. Institute of the Canton of Zurich, Winterthur, Switzerland.

DRUKAROFF, ISRAEL (A'53-M'58), Tech. Co-ordinator, Hughes Prods., Internati. Airport Sta., Los Ángeles 45, Calif.

DRUM, JOHN J. (S'56-M'57), Dev. Engr., GE Co., Syracuse, N. Y.

DRIM, WILLIAM A. (S'56-A'57), Dielectric Heating Engr., Radio Receptor Co., 240 Wythe Ave., Brooklyn, N. Y.
DRUMELLER, CARL C. (M'58), Tech. Asst. to Branch Chief, FAA, Box 1082, Oklahoma City 1, Okla.
DRUMMETER, WILLIAM (S'50-A'51-M'57), Sr. Production Engr., Sylvania Elec. Prods., Inc., 700 Ellicott St., Batavia, N. Y.

DRUMMOND, EVAN J. (S'48-A'51-M'56), Project Engr., Electronic Control Systems, 2231 Barrington Ave., Los Angeles 64, Calif.

Auguers 64, Calif.

DRUMMOND, FRED A. (A'51), Electronics Technician, Sandia Corp., Sandia Base, Albuquerque, N. M.

DRUMMOND, WILLIAM D. (S'52-A'53), Asst. Div. Engr., Delaware Power & Light Co., Commerce St., Harrington, Del.

Def. Def. Def. CEORGE R. (A'57), TV Transmitter Engr., WCHS TV, Inc., 1111 Virginia St., Charleston, W. Va. TV, Inc., 1111 Virginia St., Charleston, W. Va. DRURY, HARVEY J. (S'57-M'58), Jr. Engr., Lansdale Tube Co., Church Rd., Lansdale, Pa. DRURY, SAMUEL F., JR. (S'57-M'58), Dev. Engr., Minneapolis-Honeywell Regulator Co., 5200 E. Evans Ava. Denver 22, Colo.

DRURY, WILLIAM H. (A'56-M'59), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

DRUZ, WALTER S. (A'41-SM'46), Research Engr., Zenith Radfo Corp., 6001 W. Dickens Ave., Chicago 39, III.

ORVOSTEP, JOSEPH J. (SM'54), Elec. Component Standards Supvr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

N.Y.
DRY, DAVID N. (M'55), Sr. Dev. Engr., Tele-Dynamics, Inc., 5000 Parkside Ave., Philadelphia 31, Pa.
DRY, John M. (A'56), Sr. Tube Technician, Stanford Research Institute, Menio Park, Calif.
ORYDEN, EUGENE H. (S'54-M'57), Dev. Engr., Aerojet-Ceni. Corp. A 2xas, Calif.

Geni . Corp ., Azusa , Calif.

BYDEN , EWING R. , JR. . (A '54) , Supvry . Electronics
Engr ., Frequency Coordination Div. , White Sands Signal
Agency , White Sands Proving Ground , N. M.

BYDEN , ROBERT E . (S'49-M'51-SM'57) , Div. Dir , Instrumentation Radiation , Inc. , Box 2040 , Pinecastle Branch ,
Orlando , Fla.

DRYDEN, ROSCOE T. W. (A'56), TV Service Mgr., Hitchon Radio, 4 Bridge St., East Believille, Ont., Canada.
DRYER, HAROLD M. (S'54-A'55), Lt. Cmdr., USN, Electronic Warfare Curriculum Officer, Fleet Training Center, Naval Base, Norfolk 11, Va.

DRYER, LYNN E. (S'56-M'58), Chief Engr., Arizona State Univ., Tempe, Ariz.

Univ., Tempe, Ariz.
DRZEWICKI, DONALD O. (A'58), Contract Technician,
Madigan Tech. Rep., 6910 Radio Group Mobile, APO
130, New York, N. Y.

DUARTE, SALVADOR R. (M'57), Electronics Instruction
Coordinator, Compton College, 1111 E. Artesia Blvd.,
Compton, Calif.

DUBA, LEONARD (A'47), Electronics Technician, Test Equipment, IBM. Monterey & Cottle Rds., San Jose, Calif.

DUB-DUN - 155 -

- DUBAUSKAS, STANLEY (S'55-M'56), Asst. Elec. Engr., U. S. Corps of Chem. Engrs., PDL Pine Bluff Arsenal, Ark. DUBBE, RICHARD F. (S'5D-A'54), Engr., Magnetic Prods. Lab., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.

 DUBBEL, WILFRD C. (S'52-A'55), Project Engr., Remington Rand Univac, St. Paul 16, Minn.

 DUBBELS, DAVID A. (S'56-M'59), Asst. Staff Mem., Genl. Precision Lab., Pleasantville, N.Y.

 DUBBER, WILFRED G. (A'57), Field Supvr., Dept. Natl. Defense (Air), RCAF Sta. Lincoln Park, Lincoln Park, Alta. Canada.

 DUBBS, BERNARD (A'42-M'47). Pres. Fleetra Construc-

- DIBBS, BERNARD (A'42-M'47), Pres., Electra Construction Corp., 1980 Valentine Ave., New York 57, N. Y. DUBBS, WILLIAM M. (M'53), Engrg. Sales, Federal Electric Corp., Paramus, N.J.
- DUBE, JDSEPH J. A. (S'57-A'59), 56 0to St., Wood-socket, R. I.
- socket, R. I.

 DUBE, JULIEN J. (M'55), Asst. Plant Supvr., P.Q.
 Canadian Natl. Telegraphs, 600 Windsor, Monkreal,
 P.Q., Canada.
- P. U., Canada.
 DUBENDORFF, HAROLD H. (S'55-M'57), Evaluation Engr.,
 Minneapolis-Honeywell Regulator Co., 13350 U. S. 19, St.
 Petersburg, Fla.

 DU BERGER, PAUL (A'45-M'56), Canadian Armament Research Development Est., Valcartier, P. Q., Canada.
 DUBESTEANU, JOAN (A'57), Maj., Asst. Military Attache,
 Rumanian Legation, 1601 23 St., N.W., Washington,
 D.C.

- D.C.

 DUBILIER, WILLIAM (A'14-M'18-F'29XL), 72 Esplanade, New Rochelle, N.Y.

 DUBIN, DANIEL (M'58), Test Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.

 DUBIN, LESTER (A'42-M'55), Pres., Lambda Electronics Corp., 11-11 131 St., College Point 56, L.I., N.Y.

 DUBINSKY, ALVIN C. (M'58), Systems Analyst, Remington Rand Univac, 315 4 Ave., New York 10, N.Y.

 DU BOIS, ARTHUR F. (S'50-A'52-M'57), Assoc. Engr., Military Prods. Div., IBM, Owego, N.Y.

 DU BOIS, DONALD A. (S'49-A'50-M'55), Supvg. Repair Foreman, Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 26, Mich.

 DUBOIS, EGRALD E. (M'58). Advisory Fnor., IRM, Poundance.
- DUBOIS, GERALD E. (M'58), Advisory Engr., IBM, Pough-keepsie, N.Y.
- Recpsie, N.Y.

 DU BOIS J. HARRY (SM'52), Pres., J. Harry DuBois Co.,
 Box 178, Montclair, N.J.

 DUBOIS, ROBERT C. (A'52-M'57), Tech. Writer, Radio
 Electronic Television Schools, 3730 Woodward, Detroit,
 Mich.
- DUBOIS, VICTOR G., JR. (A'58), Research Engr., Southwest Research Institute, 8500 Culebra Rd., San Antonio 6, Tex.
- DU BOIS, WINSTON E. (A'57-M'58), Tech. Dir., Environ-mental Labs., Aerohm Corp., Boston Post Rd., Wayland, Mass.
- Mass .
 DU BOSE , GEORGE P. (A'51-M'55), Lead Electronics Engr.,
 Temco Aircraft Corp., Box 6191, Dallas 22, Tex.
 DU BOSE , REAGAN L., JR. (A'59), Maint, Standards Analyst, Radar, RCA Missile Test Project, Patrick AFB, Fla
- IJSK, RADAT, RCCA MISSIE LEST PROJECT, PAULICK AFB, FIA.
 DU BOSE, THOMAS I. (M'58), Project Engr., AC Spark
 Plug Div., Milwaukee, Wis.
 DUBOSKY, DANIEL D. (S'52-A'54), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 DU BOURG OE BOZAS, GUY (A'19-M'55), 41 Blvd. Lannes,

- Paris, France.
 DUBOVY, JOSEPH L. (A'58), Field Engr., H. L. Hoffman
 Co., Inc., 35 Old Country Rd., Westbury, L.I., N.V.
 DUBRUIL, ETIENNE (M'52), Quebec Regional Engr.,
 Canadian Broadcasting Corp., Box 6000, Montreal, P.Q.,
 Canada.
- DUBROW, WALTER (A'53), Pres., Dubrow Development Co., 235 Penn St., Burlington, N.J.

 DUBS, EMIL E. (A'54), Box 1131, New York 1, N.Y.

 DUBUQUE, THEODORE J. (S'48-A'51-M'56), Design Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.
- DUCASTEL, GUY (A'49-M'55), Engr., F.A.C.E.J., Jeumont Nord, France.
- Jeumont Nord, France.
 DUCATI, ADRIANO (A'50), Via Alberto Da Giussano L5,
 Milan, Italy.
 DUCEY, ROBERT J. (M'55), Pres., R.J. Ducey, Aviation
 Radio, Ltd., Airport, Edmonton, Alta., Canada.
 DU CHARME, MILTON D. (M'56), Program Mgr., Emerson
 Electric Co., 8100 W. Florissant, St. Louis 21, Mo.
 DUCHEK HAPOID DW (S'48-&'51). Electronics Project
- DUCHEK, HAROLD W. (S'48-A'51), Electronics Project Engr., Emerson Electric Co., 8100 W. Florissant, St. Louis 21, Mo.
- Louis 21, Mo.

 DUCKER, JOHN D. (A'47), Test Complex Activation Lead
 Engr., Martin Co., Cocoa, Fla.

 DUCKER, PETER G. (M'58), Tech. Asst., Northem Electric
 Co., Ltd., 759 Victoria Sq., Montreal, P.Q., Canada.

 DUCKETT, EDWARD J. (M'47-SM'50), Sect. Mgr., New
 Prods. Engrg., Westinghouse Elec. Corp., Box 10596,
 Pitsburgh 35, Pa.

 DUCKSTEIN. SAIII (Al5A), Design Form Lephbard Almontered.
- DUCKSTEIN, SAUL (A'56), Design Engr., Lockheed Aircraft Service, Internati., New York Internati. Airport, Jamaica 30, L.I., N.Y.
- L.I., N.Y.

 DUCKWALD, CHARLES S. (A'43-M'55), Engr., Vibration, Genl. Engrg. Lab., GE Co., Schenectady, N.Y.

 DUCKWITZ, WESLEY G. (M'47-SM'52), Radio Engr., Weapons Guidance Lab., Wright-Patterson AF B, Ohio.

 DUCKWORTH, GENE W. (S'41-A'43-M'45), Mgr., Mktg. Industrial Prods., Electron Tube Div., RCA, New Holland Pike, Lancaster, Pa.
- DUCKWORTH, JAMES J. (S'55-M'59), Project Engr., Allegany Instrument Co., 1091 Wills Mountain, Cumberland, Md.
- DUCOFF, GEORGE (A'46-M'55), Consultant, Electronics, Code 3006, U.S. Naval Ordnance Test Sta., China Lake,
- DUDA, EDWARD M. (A'55), Sales Engr., Weston Instru-ments Div., Daystrom, 16607 James Couzelia Hwy., Detroit 21, Mich.
- Detroit 21, Mich.

 DUDA, JULIUS A. (A'59), Engr., Fairchild Camera & Instrument Corp., 5 Aerial Way, Syosset, L.I., N.Y.

 DUDA, RICHARD O, (S'57-M'58), Research Asst., Research Lab. of Electronics, MIT, Cambridge 39, Mass.

 DUDDY, EDWARD M., JR. (A'57), Industrial Engr., Martin Co., Denver 1, Colo.
- DUDEK, JOSEPH J. (A'54), Engr., Sperry Gyroscope Co., Great Neck, L.i., N.'i'.

- DUDEK, MARION J. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. DUDEK, SIGMUND J. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. DUDEK, STANLEY J. (S'52-A'55), Assoc. Engr., IBM,

- Owego, N.Y.
 DUDENEY, PETER N. (M'57), Sr. Electronics Engr.,
 Bendix Aviation Corp., Baltimore 4, Md.
 DUDEVOIR, WILFRID G. (S'56-M'57), Instr., Univ. of
 Vermont, Burlington, Y.
 DUDGEON, DONALD E. (S'54-A'57), Microwave Lab.
 Technician, W. L. Maxson Corp., 460 W. 34 St.,
 New York 1, N.Y.
- DUDICK, GEORGE R. (M'58), Supvr., Engrg. Service Dept., Potter Instrument Co., Sunnyside Blvd., Plainview, L.I.,

- Potter Instrument Co., Sunnyside Blvd., Plainview, L.I., N.Y.

 BUDLER, DONALD R. (S'55-M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 DUDLEY, ARTHUR L. (M'58), Asst. Operations Officer, U. S. Amy Signal Corps., APO 79, New York, N.Y.

 DUDLEY, BEVERLY (J'24-A'27-M'43-SM'43), Asst. to Dir., MIT, Lincoln Lab., Lexington 73, Mass.

 DUDLEY, CARL P., JR. (A'57), Sr. Instrumentation Technician, Sylvania Elec. Prods. Inc., Microwave Components Lab., 500 Evelyn Ave., Mountain View, Calif.

 DUDLEY, DAVID D. (M'59), Physicist, Analytic Services, Inc., 11D1 N. Royal St., Alexandria, Va.

 DUDLEY, DON J. (S'50-A'53-M'58), Field Engr., Telechrome Mfg. Corp., 28 Ranick Dr., Amityville, L.I., N.Y.

 DUDLEY, HOMAS C. (M'36-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 DUDLEY, HOMAS C. (A'44-M'55), Electronics Engr., Martin Co., Orlando, Florida.

 DUDLEY, Grando, Florida.

 DUDLEY, Chando, Florida.

 DUDLEY, RICHARD C. (S'54-A'55), Engr., RCA, Moorestown, N.J.

 DUE, RICHARD C. (S'54-A'55), Engr., Wisconsin Telephone

- DUDZIAK, CHESTER (MIS9), Project Engr., RCA, Moorestown, N. J.

 DUE, RICHARD C. (S'54-A'55), Engr. Wisconsin Telephone Co., 740 N. Broadway, Milwaukoe, Wis.

 DUEL, DON M. (S'54-M'55), Sr. Engr., Litton Industries, 10916 W. Washington Blvd., Culver City, Calif., DUENO, BRAULIO (MIS6), Prof., Elec. Engr., Univ. of Puerto Rico, Mayaquez, Puerto Rico.

 DUEPNER, FENTON (M'52-M'58), Engr., Samspac, School of Aviation Medicine, Randolph AFB, Tex.

 DUER, STEPHEN J. (S'50-A'50-M'56), Fech. Writer, Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. DUERIC, MILLIAM H. (A'54), V. P., Engro., & Research, Midwestern Instruments, Inc., Box 7186, Tulsa, Okla.

 DUESTERHOEFT, WILLIAM C., JR. (SM'56), Assoc. Prof., Elec. Engro., Linv. of Texas, Austin. Tex.

 DU FAU, WILLIAM R. (M'58), Dev. Engr., Admiral Corp., 3800 Corland St., Chicago 47, Ill.

 DUFAULT, DALE J. (M'58), Test Engr., Hallamore Electronics, 8352 Brookhurst, Anabeim, Calif.

 DUFAULT, GEORGE J. (M'54), Asst. Prof., Applied Science Faculty, Waterloo College, Waterloo, Ont., Canada.

 DUFF, BOB M. (M'59), Field Operations Specialist, Defense Research ab. Indiv. of Texas. Austin. Tex.

- Faculty, Waterloo College, Waterloo, Ont., Canada.

 DUFF, BOB M. (M'59), Field Operations Specialist, Defense
 Research Lab., Univ. of Texas, Austin, Tex.

 DUFF, DAVID L. A. (S'56-M'57), Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.

 DUFF, GRANT C. (A'57), 3rd Asst to Technician, Defence
 Research Board, Montreal Rd., Ottawa, Ont., Canada.

 DUFE L. (A'42-MISS) \$10.2 before Right Canton B.
- DUFF, J. E. (A'42-M'55), 5102 Jackson Blvd., Canton 8, Ohio.

- Ohio.

 DUFF, JAMES S. (A'44), Chief Engr., Maryland Broadcasting Co., 7 E. Lexington St., Baltimore, Md.

 DUFF, JOHN B. (A'57), Equipment Maint. Man, AT&T Co., 405 Broadway, Okidahoma City, Okla.

 DUFF, ROBERT E., JR. (A'52-M'57), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 DUFF, DHOMAS O. (S'53-A'55), 1st Lt., USAF, Pilot, Dover AFB, Del.

 DUFFENDACK, ORA S. (SM'44-F'56), Consultant Physicist, Philips Labs., Box 68, Irvington-on-Hudson, N.Y.

 DUFFEY, WARREN B. (S'56-M'58), Jr. Engr., A.V.Roe, Ltd., Malton, Ont., Canada.

 DUFFIE, JARVIS E. (M'58), 254 Penn Ave., Greenwood, S.C.
- DUFFIN, JOSEPH D. (S'49-A'50-M'55), Mgr., Design & Dev., Guided Missile & Surface Radar, RCA, Moorestown, N.J.

- Dev., Guided Missile & Surface Radar, RCA, Moorestown, N.J.

 DUFFIN, MURRAY V. (A'56), Jr. Engr., Sylvania (Canada), Ltd., Dunnville, Ont., Canada.

 DUFFORD, RAY T. (SM'58), Prof., Physics, Evansville College, Evansville, Ind.

 DUFFV, ALBERT F. (A'51), Electronics Test Technician, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DUFFY, BERNARD A. (A'51-M'57), Design Engr., Northrop Aircraft, Inc., Hawthome, Calif.

 DUFFY, DONALD P. (A'41-M'55), Project Mgr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.

 DUFFY, EMMET J. (M'46), Sr. Engr., Hazeltine.Research, Inc., 5445 W. Diversey Ave., Chicago 39, Ill.

 DUFFY, JAMES F. (S'56-M'59), Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 DUFFY, JAMES SP., (A'55), Elec. Engr., American Machine & Foundry Co., Greenwich, Conn.

 DUFFY, JAMES J., R. (M'57), Asst. Mgr., Eastern District, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DUFFY, JOHN J. (S'50-A'52-M'56), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 DUFFY, JOHN M. (A'55), Electronics Engr., Bomac Labs., Inc., Beverly, Mass.

 DUFFY, JOHN N. (S'55), Electronics Engr., Bomac Labs., Inc., Beverly, Mass.

 DUFFY, MORTON P. (A'41-M'55-SM'56), Project Mgr., Airborne Instrument Lab., Garden City, L.I., N.Y.

 DUFOUR, GEORGE L. (S'58-M'59), Federal Electric Co., Paramus, N. J.

 DUGAN, DANIEL J., (A'46-M'55), Elec. Engr., Electric
- Paramus, N.J. DUGAN, DANIEL J. (A'46-M'55), Elec. Engr., Electric
- Bosh Div., Groton, Conn.

 DUGAN, JOHN F. (S'50-A'52-M'57), Staff Asst., Jones & Laughlin Steel Corp., 3 Gateway Center, Pittsburgh, Pa.

 DUGAN, JOHN M. (S'56-M'58), 1338 Franklin St., Columbus, Ind.
- DUGANDZIC, PETER F. (A'55), Audio & Video Facilities Group Engr., NBC, 30 Rockefeller Plaza, New York, 20, N.Y.

- DUGGAN, CECIL R. (S'56-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Nogales Hwy., Tucson, Ariz. DUGGAN, GERALD S. (S'56-M'59), Liaison Engr., Boeing Airplane Co., Seattle, Wash.
- DUGGAN, JAMES E. (S'57-M'58), 228 Filmore, Agnew,
- Calif.
 DUGGAN, JOSEPH R. (A'45-SM'51), Electronics Group Engr., Convair-Astronautics, San Diego, Calif.
 DUGGAN, RICHARD W., II (5'56-M'59), LL., USN, USN, VISN, Norfolk, DL-1, FPO, New York, N. Y.
 DUGGAN, ROBERT S., JR. (S'49-A'51-M'56), Sr. Electronics Systems Engr., Lockheed Aircraft Corp., Marietta, Ga.
- DUGOT, RICHARD S. (A'54), Asst. Chief Engr., Electronic Instrument Co., Inc., 3300 Northern Blvd., Long Island City 1, N.Y.
- City 1, N.Y.

 DUGRE, MAURICE L. (A'54), Electronics Engr., Martin
 Co., Orlando, Fla.

 DUHAMEL, JOSEPH P. (A'55), Maitre de Conferences,
 Faculte de Medecine, Rue Leyteire, Bordeaux, France.

 DUHAMEL, RAYMOND H. (S'47-A'52-M'57), Head, Dept.
 30, Research & Dev., Collins Radio Co., Cedar Rapids,
 Iowa.

- lowa.

 DUHL, JOHN E. (M¹56), Magnetron Engr., Westinghouse Elec. Corp., West Junction, Horseheads, N.Y.

 DUKAKIS, STRATDS G. (S¹55-M¹56), Instr., Electronics, Wentworth Institute, 55D Huntington Ave., Boston, Mass.

 DUKAT, FRANCIS M. (A¹47-M¹47-SM¹55), Exec. Asst., Semiconductor Div., Raytheon Mfg. Co., Newton, Mass.

 DUKE, ALBERT D. (M¹56), Sales Engr., Pivan Engrg. Co., 2820 Peterson Ave., Chicago 45, III.

 DUKE, ARNOLD M. (S¹52-A¹53-M¹56), Test Set Engr., Northern Electur Co., Lul., 250 Sidney St., Belleville, Ont., Canada.
- Ont., Canada.

 DUKE, CHARLES R. (M'56), V.P., Dir., Engrg., WSIX, Inc., Nashville Trust Bldg., Nashville 3, Tenn.

 DUKE, JOHN B., III (S'5/-M'59), Assoc Engr., Martin Co.,
- Orlando , Fla .

 DUKE , VERNOM J. (SM'48) , Staff Engr. , NBC , 30 Rockefeller Plaza , New York , N. V.

 DUKES , ERNEST F. (4'56) , Major , USAF . Instr. , USAF Institute of Technology , Box 3405 , Wright-Patterson AFB , Ohio
- Ohio.

 DUKES, JOHN R. (S'54-A'55), Elec. Engr., Industrial Nucleonics Corp., 1205 Chesapeake, Columbus, Ohio. DULA, ARTHUR M. (A'54), Electronics Engr., U. S. Govt. Signal Corps, Dept. of Army, The Pentagon, Washington 25, D. C.

 DULAC, JEAN-PAUL P. (S'52-M'56), Engr., ITT Labs., Nutley 10, N. J.

 DULBERGER, LEON H. (A'56-M'58), Research Engr., Fischer & Porter Co., County Line Rd., Habboro, Pa. DULCHINOS, JOHN (A'51-M'56), Sr. Electronics Engr., Advance Industries, Inc., 640 Memorial Dr., Cambridge, Mass.

- DULCICH, LAWRENCE N. (M'56), Dulcich & Rovira, 901
 Teche St., New Orleans 14, La.
 DULIN, GERALD F. (S'56-M'57), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.
 DULIN, JOHN J. (S'51-A'53-M'58), Mem. Tech. Staff,
 Thompson-Ramo-Wooldridge Corp., 5500 El Segundo Blvd.,
 Los Angeles 45, Calif.
 DULL, MELVIN J. (S'57-M'59), Elec. Engr., U.S. Naval
 Ordnance Test Sta., China Lake, Calif.
 DULLINGER, ARTHUR G., JR. (A'53), Principal Engr.,
 Emerson Research Lab., 1140 East-West Hwy., Silver
 Spring, Md.
 DULMAGE, HARRY B. (S'48-A'51-M'59-SMEO)

- DULMAGE, HARRY B. (S'48-A'51-M'58-SM'58), Project Engr., Collins Radio Co. of Canada, Ltd., Toronto 16, Ont., Canada.
- Ont., Canada.

 DULSKIS, ROMUALDAS (S'56-M'58), Staff, Instrumentation Lab., MIT, Cambridge 39, Mass.

 DUMA, EDWIN D. (S'56-A'57), Inspector, American Optical Co., Eggert Rd., Buffalo, N.Y.

 DUMANIAN, JOHN A. (A'51-M'53), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 DUMANOWSKI, ROBERT J. (A'52), 7500 S. Drew Ave., Hinsdale, III.

- DUMARESQ, JOHN E. (A'54), 90 Broad St., New York 4, DUMAS, ALLAN M. (M'55), Assoc. Engr., IBM, Kingston,
- N.Y.

 DUMAS, JELLSWORTH G. (A'56), Radio Shift Engr., Mackay Radio & Telegraph Co., Brentwood, L.I., N.Y.

 DUMAS, JEAN E. (S'47-A'49-M'54), Assoc. Prof., Dept. of Elect. Engrg., Laval Univ., Blvd. de L'Entente, Quebec 6, P.Q., Canada.
- DUMAS, LUCIEN (M'57), Intermediate Engr., Canadian Mar-coni Co., Ltd., 2442 Trenton Ave., Montreal, P.Q., Canada.
- DUMAS, ROGER E. (A'54), Project Engr., Statham Instru-ments, Inc., 12401 W. Olympic St., Los Angeles 64, Calif.
- Calif.

 DU MAY, EDWARD C. (A'54), Research & Dev. Engrg.,
 A. B. Dick Co., 5700 W. Touhy Ave., Niles, III.

 DUMBACHER, JOHN L. (S'56-M'58), Electronics Engr.,
 Hazeltine Tech. Development Center, Inc., Weir-Cook
 Airport, Indianapolis, Ind.

 DUMERT, VICTOR (M'58), Asst. Chief Inspector, A. C.
 Cossor Radio & Television, Ltd., Highbury Grove, London
 N, 5, England.

 DUMEY, ANNO D. (ALEC), CO.
- DUMEY, ARNOLD I. (A'55), Consultant, Amold I. Dumey, 29 Barberry Lane, Roslyn Heights, L.I., N.Y. DUMIN, DAVID J. (M'57), Jr. Engr., IBM, Poughkeepsie, N.Y.
- N. Y.

 DUMMER, GEOFFREY W. A. (SM'58), 4 Werstan Close,
 Poolbrook, Gt. Malvern, Worcs., England.

 DUMONT, ALLEN B. (M'30-F'31), Chmn. of Bd., Allen
 B. DuMont Labs., Inc., 750 Bloomfield Ave., Clifton,
 N. J.
- DUNAWAY, ROBERT M. (S'56-M'57), Systems Design Engr., Chance-Vought Aircraft, Inc., Box 5907, Dallas, Tex.
- DUNBAR, ALLEN S. (SM'51), Asst. Mgr., Electromagnetics Dept., Lockheed Missile Systems Div., Box 504, Sunny-vale, Calif.
- DUNBAR, B. LENOX (A'44-M'51), Account Exec., Motorola Communications & Electronics, 4501 Augusta Blvd., Chica-90, III.

- DUNBAR, ELTDN E. (S'46-A'49-M'55), Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
 OUNBAR, EMERSON A. (A'52), Electronics & Recording Engr., Merle Enterprises, Box 145, Lombard, III.
 DUNBAR, JAMES (A'24), Mng. Dir., Jas. Dunbar Radio (Pty), Ltd., 6 Trafajaya Pl., Regent Rd., Seapoint, Capetown, South Africa.
- DUNBAR, RONALD C. (S'56-M'59), Jr. Engr., Philco Com., 4700 Wissahlckon Ave., Philadelphia, Pa. DUNBAR, SAMUEL O. (S'58-M'59), 150 N. Chestnut St., Kert, Ohio.
- St., Kent, Onio.
 DUNCAN, BOBBY J. (M'54), Sr. Staff Engr., Sperry Rand
 Corp., Box 1828, Clearwater, Fla.
 DUNCAN, CECIL E. (M'57), Mgr., Applied Math., Lockheed
 Missiles & Space Div., 3251 Hanover St., Palo Alto,
 Callr.
- DUNCAN, CHARLES W. (M'52), Chief Sales Engr., Mid-Western Div., Raytheon Mfg. Co., 9501 W. Grand Ave., Franklin Park, III.
- PUNCAN, CLARENCE L. (SM'54), Owner, C. L. Duncan, 2675 Candler Rd., Chamblee, Ga.

 DUNCAN, DON C. (A'29-WA'39-M'55), Estimates & Schedules Engr., Illinois Bell Tel. Co., 212 W. Washington St., Chicago, III.
- DUNCAN, DONAL B. (A'52-M'57-SM'58), Mgr., Advanced Engrg., Autonetics Div., No. Amer. Aviation, Downey, Calif.

- Calif.

 DUNCAN, EDWARD T. (M'56), Engr., George T. Stienhardt, 1415 Main St., Bridgeport, Conn.

 DUNCAN, F. B. (A'45-M'56), Electronics Engr., USCG, 1300 E. St., N. W., Washington, D. C.

 DUNCAN, HAROLD H. (M'57), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 DUNCAN, HUEY P. (S'54-A'55), Tech. Engr., GE Co., Cincinnait 15, Ohio.

 DUNCAN, HUGH S. (S'40-A'44-M'47-SM'49), Engr., DIr., Systems 1, Remington Rand Univac, Wilson Ave., South Norwalk, Conn.
- DIT., Systems 1, Remington Rand Univac, Wilson Ave., South Norwalk, Com. DUNCAN, J. ALAN (A'45-M'51), Electronics Instr., Edison Tech. School, Broadway & E. Pine, Seattle 22, Wash. DUNCAN, JAMES G. (M'51), Pres. & Genl. Mgr., American Bankers Mortgage & Loan Corp., Glover Bldg., Box 626, Anchorage, Alaska.

 DUNCAN, JAMES R. (M'59), 956 Division Ave., N. E., Washington 19, D. C.

 DUNCAN, JAMES W. (A'53-SM'59), Head, Group 30A, Research Div., Collins Radio Co., Cedar Rapids, Iowa.

 DUNCAN, JOHN R. (S'55-M'58), Instr., Elec. Engrg., Lafayette College, Easton, Pa.

 DUNCAN, KENNETI W. (S'49-A-52 M'57), Sect. Head, Antenna Design, Raytheon Mfg. Co., Maynard, Mass.

 DUNCAN, LOY E. (M'58), Field Engr., Western Electric Co., B E., Preston St., Hampton, Va.

 DUNCAN, M. ROY (SM'58), Mgr., Mktg. Administration & Service Engrg., Tech. Prods. Dept., GE Co., Syracuse, N.Y.

 DUNCAN, NESBIT L. (A'47-M'55), Engr., Air Defense

- N.Y.

 DUNCAN, NESBIT L. (A'47-M'55), Engr., Air Defense Systems Integration Div., Hanscomb Field, Bedford, Mass. DUNCAN, RICHARD H. (M'58), Physicist, Physical Science Lab., New Mexico State Univ., University Park, N. M.

 DUNCAN, RICHARD S. (A'53), Staff Engr., James C. Mc-Nary, Natl. Press Bilde, Washington 4, D. C.

 DUNCAN, RUDDLPH L. (M'40-SM'43), Electronics Engr., Civil Aeronautics Board, Washington 25, D. C.

 DUNCAN, VIRGIL D. (A'50-M'52), Chief Engr., Capitol Broadcasting Co., Inc., 130 S. Salisbury St., Raleigh, N.C.

- N.C.
 DUNCAN, WILLIAM L. (A'54), Sr. Dev. Engr., Electronics, E. I. duPont de Nemours & Co., Inc., Waynesboro, Va.
 DUNCANSON, ALTON B. (A'54), Chief Production Engr., Intelligent Machines Research Corp., 7019 Edsall Rd., Alexandria, Va.
 DUNCOMBE, WILLIAM M. (A'55), Field Engr., Aircraft Radio Corp., Boonton, N.J.
 DUNDATSCHECK, ERIC P. (A'54), Systems Engr., IBM, Poughkeepsie, N.Y.

- DUNDATSCHECK, ERIC P. (A'54), Systems Engr., IBM, Poughkeepsie, N.Y.
 DUNDOVIC, JOSEPH F. (S'47-A'5D-M'58), Staff Engr., Nortronics, Inc., 1015 S. 6 St., Minneapolls 4, Minn.
 DUNEFSKY, MARCUS (A'45-M'55), Engr., IU. S. Time Corp., 67 N. Broadway, Irvington-on-Hudson, N.Y.
 DUNFORD, WILLIAM (A'57), Chief Engr., D. & H. Sales Corp., 67 N. Broadway, Irvington-on-Hudson, N.Y.
 DUNGAN, LEO B. (A'53-M'58), Engr., Royal McBee Corp. 1031 New Britain Ave., Hardrod, Conn.
 DUNGAN, M. R. (M'46), Bell Tel. Labs., Whippany, N.J.
 DUNHAM, DALE C. (S'57-M'58), CS-7, Electronics Engr., Naval Air Missile Test Center, Point Mugu, Calif.
 DUNHAM, DONALD J. (S'57-M'58), Electronics Engr., U.S. Naval Missile Center, Point Mugu, Calif.
 DUNHAM, ROY E. (M'58), Telemetry Sta. Chlef, Gulf Coast Test Range, Vitro Weapons Services, Egiln AFB, Fla.
 DUNING, KENNETH E. W. (S'57-M'58), Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Srping, Md.

- Md.

 DUNKEL, HAROLD D. (S'56-M'59), Field Engr., RCA, Redstone Arsenal. Ala.

 DUNKELMAN, LAWRENCE (A'58), Physicist, Head, Optical Detection Systems, Beltsville Space Center, Natl. Aeronautics & Space Administration, Washington 25, D.C.

 DUNKL, FRANK S. (A'58), Chief Engr., Daly Capacitors, Ltd., 140 Kendal Ave., Toronto 4, Ont., Canada.

 DUNKLEE, LAURENCE H. (S'51-A'53-M'56), Suppr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 DUNKLIN, ROGER A. (M'56), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 DUNLAP, CLARENCE R. (A'51-SM'54), Instr., Elec. Engrg., Oregon State College, Corvallis, Ore.

 DUNLAP, GEORGE R. (S'54-A'55), Planning Officer & Electronics Material Officer, U. S. Naval Sta., Key West, Fla.

 DUNLAP, HARRY B. (M'45), Chief Electronics Engr., 12th
- Fia.

 DUNLAP, HARRY B. (M¹45), Chief Electronics Engr., 12th

 Coast Guard District, 93 Sequola Way, San Francisco 27,
- DUNLAP, I. JAMES (S'53-A'54-M'59), Tech. Recruiting Specialist, Missile Guidance Sect., HMED, GE Co., Syracuse, N.Y.
- DUNLAP, JOSEPH F. (A'42-M'55), Engr., Kellogg Switch-board & Supply Co., 6650 S. Cicero Ave., Chicago 38.
- DUNLAP, KEITH H. (S'57-A'58), Research & Dev. Technician, Convair, Ft. Worth. Tex.

DUNLAP, KERMIT S. (A'44-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

- 156 -

- DUNLAP, MERLE E. (M'53), Sr. Group Engr., Weapon System Mngt., Soeing Airplane Co., 3801 S. Oliver, Wichita 1, Kan.
- DUNLAP, ORRIN E., JR. (M'36-SM'44), V.P. Institutional Advertising & Publications, RCA, 30 Rockefeller Plaza, New York 20, N.Y.
- DUNLAP, ROY H. (A'48-M'55), Electronics Project Engr., Chance-Vought Aircraft, Inc., Box 5907, Dallas, Tex. DUNLAP, W. CRAWFORD, JR. (SM'55), Raytheon Mfg. Co., Waltham 54, Mass.
- DUNLAVY, JOHN H., JR. (A'52), Electronics Scientist, APC, Communication Prods. Div., Box 110, Mineral Wells,
- DUNLEAVEY, FRANK S. (A'54), Pres. & Genl. Mgr., Dunleavey Electronics Corp., 1735 Central St., Stoughton, Mass.

- DUNIEAVEY Electronics Corp., 1.75 Central St., Journal Mass.

 DUNLOP, DONALD P. (S'50-A'51-M'57), Nuclear Power Plant Div., Laison, Research, Atomic Energy of Canada, Ltd., Chalk River, Ont., Canada.

 DUNN, ALLAN C. (S'56-M'57), Production Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 DUNN, ARTHUR L. (SM'58), Principal Scientist, Radioisotope Service, Veterans Administration Hospital, 4101 Woolworth Ave., Omaha 6, Neb.

 DUNN, BEVERLY C., JR. (S'41-A'44-M'55), Supvr., Lab. Services, Minneapolis-Honeywell Regulator Co., 1400 Soldiers Field Rd., Boston 35, Mass.

 DUNN, BRADLEY B. (S'49-A'50-M'56), Design Supvr., Hazeitine Electronics Corp., Little Neck 62, L.1., N.Y.

 DUNN, CHARLES E. (A'53), Design Specialist, Convair, Pomona, Calif.
- Pomona, Calif.
 DUNN, CHARLES J. (A'53-M'58), 6 Greenmeadow Rd.,
 Tuckahoe 7, N.Y.
 DUNN, CHARLES S. (A'51-M'57), Chief Communication
 Engr., City of Tulsa, Police, Fire & Water Dept., 405 E.
 4 St., Tulsa, Okla.
- DUNN, CLETUS M. (M'46), DIv. Head, Electromagnetics Dev. Division, U. S. Navy Underwater Sound Lab., Ft. Trumbull, New London, Conn. DUNN, DONALD A. (S'46-A'52-SM'56), Sr. Research Assoc., Stanford Electronics Labs., Stanford Univ., Stanford, Calif.

- Stanford, Calif.

 DUNN, DONALD C. (S'57-M'59), Engr.-In Training, Philadelphia, Pa.

 DUNN, DONALD C. (S'57-M'59), Engr.-In Training, Philadelphia, Pa.

 DUNN, EDGAR J. (S'51-A'53-M'58), Research Engr.,

 Hughes Aircraft Co., 17 & Park, Tucson, Ariz.

 DUNN, EDWARD J., JR. (A'50), Asst. Engr., Eduloment

 Group, ATAT Co., 55 Church St., White Plains, N. Y.

 DUNN, EDWIN B. (M'45), Communications Supt., Atlantic

 Refining Co., 260 S. Broad St., Philadelphia 2, Pa.

 DUNN, F. LOWELL (SM'58), Prof., Internal Medicine,

 Clinical Physiology, Dir., Cardiovascular Research,

 Univ. of Nebraska College of Medicine, Dmaha, Neb.

 DUNN, GERALD R. (A'51-M'57), Mem., Preliminary Design

 Dept., Radioplane Div., Northop Aircraft, Inc., BOOD

 Woodley, Van Nuys, Calif.
- Woodley, Van Nuys, Calif.

 DUNN, HAROLD (A 58), TV Technician, Canadian Broadcasting Corp., (CBWT), Portage Ave., Winnipeg, Man., Canada.

 DUNN, J. LAMAR (A'44-M'55-SM'56), Project Engr., Avionics, Bell Aircraft Corp., Box 1, Buffalo 5, N. Y.

 DUNN, JAMES (M'57), Microwave Test Engr., Autonetics
 Div., No. Amer. Aviation, Downey, Calif.

 DUNN, JAMES G. (S'50-A'54), Electronics Engr., ITT
 Labs., Nutley 10, N.J.

 DUNN, JAMES R. (A'55), Asst. Mgr., Service Engr.,
 Chicago Aerial Industries, Inc., 1980 Hawthome Ave.,
 Melrose Park, III.

 DUNN, JAMES V. (A'52-M'56). Sr. Pmiest Fnor. AC

- DUNN, JAMES V. (A'52-M'56), Sr. Project Engr., AC Spark Plug Div., 1925 E. Kenilworth Pl., Milwaukee, Wis.
- DUNN, JOHN E. (A'44-M'46), Sr. Supvr. Service Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md. DUNN, JOHN H. (SM'59), Head, Tracking Branch, Radar Div., U.S. Naval Research Lab., Washington 25, D.C.
- DIV., U.S. Naval Research Lab., Washington 25, D.C.
 DUNN, JOSEPH E., JR. (S'56-M'58), 2nd Lt., U.S.
 Army, Asst. Operations Officer, Ft. Monmouth, N.J.
 DUNN, LAWRENCE J. (A'24-M'26-SM'43XL), Dentist,
 80 Hanson Pt. Brooklyn 17, N.Y.
 UNN, RDBERT A. (A'53-M'59), Electronics Engr., Hughes
 Aircraft Co., Culver City, Callf.
 DUNN, ROBERT F. (M'55), Mgr., Receiving Tube Dev.,
 RCA, Harrison, N. J.
 DUNN, ROBERT H. (S'51-A'52-M'57), Sr. Dev. Engr.,
 Goodyear Aircraft Corp., Akron 15, Ohio.
 DUNN, ROBERT S. (A'53), Mgr., Pilot Production, Collins
 Radio Co., Cedar Rapids 6, Jowa.
 DUNN, STUART B. (4'52-M'58), Sr. Engr., Systems

- Radio Co., Cedar Rapids 6, Iowa

 DUNN, STUART B. (A'52-M'58), Sr. Engr., Systems
 Analysis, Countermeasures, Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.

 DUNN, TED E. (S'43-A'45-M'55), Engr., RCA Victor,
 Moorestown, N.J.

 DUNN, VERNON E. (S'55-M'57), Research Asst., Applied
 Electronics Lab., Stanford Univ., Stanford, Calif.

 DUNN, WILLIAM F. (M'54), Dir., Education, Natl., Radio
 institute, 3939 Wisconsin Ave., Washington, D.C.

 DUNN, WILLIAM J. (A'54), Sr. Engr., Allen B. DuMont
 Labs., Inc., East Paterson, N.J.

 DUNN, WILLIAM J. (A'54), Task Engr., FAA, NAFEC,
 Atlantic City, N.J.

 DUNN, WILLIAM J. (M'41-SM'43-F'54), V.P. & Dir.

- Atlantic City, N.J.

 DUNN, WILLIAM L. (M'41-SM'43-F'54), V.P. & Dir.,
 Engro., & Research, Admiral Corp., 38D0 W. Cortland St.,
 Chicago 47, III.

 DUNNET, WALLACE J. (S'49-A'52-M'57), Engr.-in-Chg.,
 Sylvania Elec. Prods., Inc., Needham, Mass.

 DUNNICAN, FRANK A. (A'49-SM'54), Supvr., Transmitter
 Unit, Communications Sect., Hoffman Labs., Inc., 3761
 S. Hill, Los Angeles, Calif.

 DUNNING, ORVILLE M. (A'34-SM'44-F'55), V.P. Engro.
 & Prod. Div., Airborne Instrument Lab., Mineola, L.I.,
 N.Y.

- DUNNING, RICHARD A. (S'52-A'54), Lt. Cmdr., USN, AEO School, Naval Air Technical Training Center, Memphis 15, Tenn. DUNPHEY, HENRY B., JR. (A'30-M'55), Engr.-In-Chg., FCC, Box 98, Powder Springs, Ga.
- DUNWELL, RAY D. (S'55-M'57), Dev. Engr., Marquardt Aircraft Co., 16555 Saticoy St., Van Nuys, Calif DUNWELL, STEPHEN W. (M'53), Mgr., Project 7000, IBM, Poughkeepsle, N.Y.

- DUNWOODIE, DUANE E. (S'52-A'53), Dev. Engr. Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 DUPDNT, WILLIAM (A'58), Designer, GE Co., Tempe, Ariz
 DURRE, HENRY P. (M'57), Engrg. Mgr., OMATON, Burndy
 Corp., Norwalk, Conn.
 DURREE, EDMUND M. (A'22-M'28-SM'43XL), Pres
 Star Electric & Engrg. Co., 613 Fannin, Houston 2, Tex.
 DURREE, FREDERICK F., JR. (M'59), Applications Engr.,
 & Analyst, Royal McBee Corp., 1700 Wisconsin Ave.,
 Washington 7, D.C.
 DURREE, JAMPS F. (SM'59), Col. LLS, Army, Col. LS

- Washington 7, U.S. (SM '59), Col., U.S. Army, c/o U.S. Element SHAPE, APO 55, New York, N. Y. DUPREE, JAMES N. (S'57-M'59), Radio Engr., Storer Broadcasting Co., 1605 Biscayne Blvd., Miami, Fla. DUPREE, WILLIAM F. (A'53), Asst. to Quality Control Mgr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
- DUPREZ, JACQUES L. (M'59), Blvd. De La Finlande, Ste Ericsson, Colombes Seine, France
- DUPUIS, JOHN J. (S'57-M'58), Elec. Engr., 5032-B W. Jackson Blvd., Chicago 44, III.
- w. Jackson Bivo., Chicago 44, Ill.
 DUQUET, ERNEST A. (S'49-A'51-M'57), Asst. Project
 Engr., Martin Co., Orlando, Fla.
 DURAGE, ARTHUR H. (M'55), Industrial Engr., Raytheon
 Mfg. Co., Lowell, Mass.
 DURAKOV, JOHN S. (A'54), Lead Man, Electronics System
 technician Research, Lockheed Missile Space Div., Sunnyvale, Calif
- vale. Calif.
- Vale, Calif.

 DURAN, ALBERT E. (M'57), Lt. Col., U.S. Army, Consultant, USA Transportation Research & Engrg. Command. Ft. Eustis, Va.

 DURAN, FRED A., JR. (S'49-A'50-M'54-SM'57), Mgr., Control Sales, GE Co., LMED, Johnson City, N. Y.
- DURAND, EUGENE L. (M'56), Systems Engr., GMC, 1925 E. Kenilworth PI., Milwaukee 2, Wis. DURAND, PAUL A. (M'56), Chef de Departement, Labora-toires R. Derveaux, 6 rue Jules Simon, Boulogne, Seine, France.
- rrance.

 DURAND, TULVID S. (S'53-M'56), Staff Engr., Systems
 Technology, Inc., 1630 Centinela Ave., Inglewood 3, Calif.

 DURANT, JAMES R. (S'56-M'58), Engr.-in-Chg., Rocketdyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga
 Park, Calif.
- DU RAPAU, JOSEPH J. (A'51), Engrg. Mgr., Texas Div., Brush Electronics, 3732 Westhelmer, Houston, Tex.
- Brush Electronics, 3/32 Westhelmer, Houston, Tex.
 DURBIN, EDWARD (5/48-A/49-M*5), Lengra, Sect. Head,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 DURBIN, HOWARD M. (5/44-A/47-M*55), Mgr. Mfr.
 Sales Div., Electro-Voice, Inc., Cecil & Carroll,
 Buchanan, Mich.
- DURE, JOHN D. (M'58), 2498 De La Falaise, Sillery, P. Q., Canada.
- U., Canada.

 DUREAU, LIONEL D. (M'56), Physics Research Assoc.,
 Tulane Univ., New Orleans 18, La.

 DURFEE, GEORGE H. (A'46-M'55), Advanced Design Engr.,
 GE Co., 3198 Chestnut St., Philadelphia, Pa

 DURFEY, GEORGE K. (S'53-A'54-M'58), Research Engr.,
 Stanford Research Institute, Menlo Park, Calif.
- DURGIN, THOMAS R. (A '56), Radar Instr., Philo Corp., TechRep. Div., 22 St. & Lehigh Ave. Philadelphia 32, Pa. DURHAM, BUTLER H. (S'49-A'50-M'55), Mgr. Application Engry., Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.

- St. Petersburg, Fla.

 DURHAM, E. RDNALD (A'43), Pres., Radlo, Inc., 1000
 S. Main St., Tulsa 3, Okla.

 DURHAM, SAMUEL C. (S'55-M'55), Capt., USAF, Asst. for Facilities Development, Technical Facilities Div., Edwards AFB, Calif.

 DURIE, JOSEPH C., JR. (A'49), Prod. Engr., Product Development Co., Inc., 307 Bergen Ave., Kearny, N. J.

 DURIEUX, CHARLES W. (A'52), Assoc. Physical Scientist, System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.
- System Development Corp., 2500 Colorado Ave., Sunta Monica, Calif. DURIG, RICHARD F. (M'58), 810 N. Howard St., Alex-andria, Va.
- andria, Va.
 DURIS, MILAN W. (S'51-A'51-M'58), Electronics Engr.,
 RCA, Camden, N.J.
 DURKEE, A. L. (A'31-VA'39-M'55-SM'59), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.
 DURKEE, CHARLES E. (S'41-A'42-M'46), Tech. Dir.
 Radar & Communications Section, Cook Research Labs.,
 6401. W. Oakton St., Morton Grove, III.
- DURKEE, JAMES D. (M'51), Consulting Engr., Springbrook Lab., Grayette, Ark.

 DURKOVIC, JOHN E. (A'43-M'51-SM'55), Corporate Secy., Aeronautical Radio, Inc., 1700 K St., N.W., Washington, 6, D.C.
- 6, D.C.
 DURN, LA RUE R. (S'58-M'59), Mem. Tech. Staff, Bell
 Tel. Labs., Union Blvd., Allentown, Pa.
 DURNELL, ROBERT S. (A'54), Project Engr., Crosley
 Div., Avco Mfg. Corp., Glendale-Milford Rd., Cincinnati 15, Ohio.
- DURNEY, CARL H. (S'56-M'59), 11015 Main St., Bellevue, Wash.
- Bellevie, Wash.

 DIROCHER, JDSEPH D., JR. (A'55), Design Engr., American Machine & Foundry, 11 Bruce Pl., Greenwich. Conn.

 DUROSS, CHARLES J. (S'53-M'57), Microwave Engr.,
 Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 DURRELL, CHARLES R. (M'58), 3916 Hawthorne Ave.,
 Palos Verdes Estates, Calif.

 DURRER, JOSEPH H. (A'47), Chief Engr., Combat Area
 Communications Branch, Signal Engrg. Labs., Red Bank,
 N.J.

- N.J.

 DURSO, JOHN L. (M'5B). Ener.. GE Co.. Clyde, N.Y.

 DURYEA, JOHN C. (M'54-SM'57), Sr. Components Engr.,

 Sperry Gymscope Co., Great Neck, L.I., N.Y.

 DURYEE, JOSEPH B. (S'49-A'52-M'56), Design Engr.,

 Boeing Airplane Co., Box 97, Melbourne, Fla.

 DURYEE, PHILIP A. (A'55), Pres., Ratelco, Inc., B20 Minor, N., Seattle 9, Wash.

 DUSANG, EDWARD B. (M'52), Suprvo. Operator, Canadian Broadcasting Corp., 541 Portage Ave., Winnipeg, Man.,

 Canada.

 DUSAULT ALLER CONTROL CONTROL CANADIANT.
- DUSAULT, ALLEN J. (M'56), Genl. Sales Mgr., Clevite Transistor Prods., Waltham, Mass. DUSCHKA, WALTER A. (S'56-M'56), 66 Washington Ave., Westwood, N.J.
- DUSHMAN, ALLAN (S'55-M'58), Research Engr., Melpar, Inc., 43 Leon St., Boston 15, Mass.

- 157 -**DUS-EAS**

- DUSIN, ALBERT J., JR. (S'56-M'59), 1432 Ballard Dr., Bellfountain Neighbors, St. Louis 37, Mo. DUSIO, EMILIO W. (S'57-M'59), 239 South Ave., Staten Island 3, N.Y.
- Island 3, N.Y.

 DUSKIS, EPHRAIM F. (A'42), Purchasing Agent, A. S.
 Beck Shoe Corp., 25 W. 43 St., New York 36, N.Y.;
 Lab., Mt. Buckhorn, Palmyra Twnshp., Pike County, Lake
 Wallenpaupack, Pa.

 DUSTE, GEORGE H. (M'59), Engr., SECODE Corp., 555
 Minnesota St., San Francisco 7, Calif.
 DUSTERDICK, HENRY G. E. (S'50-M'57), Electronics
 Engr., Hughes Aircraft Co., Tucson, Ariz.

Engr., Hugnes Aircrart Co., 1 ucson, Any Dust MAN, HERMAN C. (M'56), Design Engr., Magnethermic Corp., 3990 Simon Rd., Youngstown, Ohio. DUST ON, ROBERT F. (S'51-A'53-M'58)(L), Lt., Royal Canadian Navy, HMCS Margaree, FMO, Victoria, B.C., Canadia.

Canada.

DUSZAK, HENRY (S'40-A'42-M'47), Mgr., Special Sales, Electronics Data Processing Div., RCA, Camden, N.J.

DUTCHER, BARRY C. (M'55), Instr. Mech. Engrg., Univ. of Rochester, Rochester 20, N.Y.

DUTE, JOHN C. (S'49-A'51-M'56), Assoc. Research Engr., Univ. of Michigan Willow Run Labs., Box 2008, Ann Arbor, Mich.

Mich.

DU TEIL, ROCHESTER Z. (M'58), Supvg. Electronics
Engr., Natl. Security Agency, Ft. Meade, Md.

DUTKOWSKI, WINCENTY (A'54), Elec. Engr., Canadair,
Ltd., Montreal, P.Q., Canada

DUTOFF, DIMITRIA (S'55-M'57), Engr., Dalmo
Victor Co., 1515 Industrial Way, Belmont, Calif.

DU TOIT, JEAN P. (M'59), Design Engr., Convair, Ft.

Worth, Tex.

Worth, Tex.
DU TREIL, LOUIS J. N. (A'14-M'26-SM'43)(L), Consulting Radio Engr., L. J. N. du Treil & Associates, 10412
Jefferson Hwy., New Orleans 23, La.
DUTTERA, WILLIAM S. (J'25-A'28-SM'44), Mgr., Allocations Engrg., NBC, 30 Rockefeller Plaza, New York, 20, N.Y.

20, N.Y.
DUTTON, ANTHONY A. (A'57), Tech. Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N.M.
DUTTON, CHARLES E. (A'27-VA'39), Engr., AT&T Co., 138 E. Court St., Cincinmati 2. Ohio.
DUTTON, F. LEE (M'55), Sr. Test Engr., Nuclear Power, Bethlehem Steel Co., Fore River Shipyard, Quincy, Mass.
DUTTON, IAN R. (A'57-M'59), 90 Thursfield Crescent, Toronto 17, Ont., Canada.
OUTTON, IVAN L. (A'44-M'50), Group Engr., Test Procedures, Lockheed Missile & Space Div., 1122 Jagels Rd., Sunnyvale, Calif.
DUTTON, O. B. (A'43-SM'54), Sect. Chief. Communication

Rd., Sunnyvale, Calif.
DUTTON, O.B. (A'43-SM'54), Sect. Chief, Communications Engra, Electronic Specialty Co., 51.21 San Fernando Rd., Los Angeles 39, Calif.
DUTTON, RICHARD H. (A'57), Design Engr., Raytheon Mfg. Co., Wayland, Mass.
OUTTON, WATSON P. (A'42-M'55), Equipment Consultant, RCA, 1625 K St., N. W., Washington 6, D. C.
DUVAL, ANDRE N. (A'55), Design Specialist, Martin Co., Orlando, Fla.

Orlando, Fla.

DU VAL, CHARLES N. (A'55), TV Transmitter Supvr.,

WTAR Radio Corp., 720 Boush St., Norfolk, Va.

DUVALL, GRADV (A'47-M'53), Owner-Mgr., Duvall Radio
& Television Service Co., 715 Mann St., Van Buren, Ark.

DUVALL, JOHN M. (A'52-M'57), Chief Engr., S.G.

Smallwood, Ltd., 397 King St., E., Kitchener, Ont.,

Canada.

Canada.

DUVALL, LEO L. (S'52-A'53-M'57), Electronics Liaison
Engr., Boeing Airplane Co., Box 3707, Seattle 44, Wash.

DUVALL, THOMAS E. (A'55), Dir., Engrg., Muntz Television. Inc., 1000 Grey Ave., Evanston, Ill.

DUVALL, WILBUR E. (S'49-A'51-M'56), Pres., DuVall

Electronics, Inc., 1222 W. Washington St., Los Angeles
7, Calif.

/ , Calif.
DUVOISIN, PAUL F. (S'54-A'56), Lt., USAF, Communications Office, 321 Opron, McCoy AFB, Orlando, Fla.
DU WALDT, BEHREND J. (S'53-M'56), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 45534, Airport Sta., Los Angeles 45, Calif.

Angeles 4D, Calil.

OU WANE, WALTER H. (A'57), Sr. Instr., Oregon Tech.
Institute, Klamath Falls, Ore.

DVORACEK, FRANKLIN H. (S'50-A'55), Electronics Engr.,
U. S. Naval Air Missile Test Center, Code TS 21, Point
Mugu, Calil.

DVORAK, CARL J., JR. (S'50-A'57), Geophysicist, Carter Oil Co., Ada, Okla

Oil Co., Ada, Ōkía.

DVORAK, CL.IFFORD J. (M'52), Sales Engr., Suffolk Prods.
Corp., Northport, L.I., N.Y.

DVORSKY, ALEXANDER L. (A'45-M'55), The Astatic Corp.,
Harbor & Jackson Sts., Conneaut, Ohio.

DWIGHT, HERBERT M., JR. (M'56), Design Engr., Varian
Associates, 611 Hansen Way, Palo Alto, Calif.

DWIN, DOROTHY (A'50), Chief, Illustration Unit for Chief
Engr., Oir., Communications Dept. of the Hexagon Bidg.,
U. S. Army Signal Research & Development Lab., Ft.

DWORETZKY, LAWRENCE H. (SM'55), Assoc. Head, Special Prods. Dept., Genl. Precision Lab., Inc., Pleasant-ville. N. V.

DWORK, LEO E. (M'46-SM'50), Prod., Mgr., Power Transistors, Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Ariz.

DWORKIN, ALEX E. (A'51-M'55), Pres., Jerrold Electronics (Canada), Ltd., 50 Wingold Ave., Toronto 10, Ont., Canada

Canada
DWORSHAK, FRED G. (S'54-M'56), Engr., Raytheon Mfg.
Co., Maynard, Mass.
DWORZAK, DONALD C. (A'57), Draftsman, Electronic Associates, Inc., Long Branch Ave., Long Branch, N.J.
DWYER, JOHN J. (M'57), Sr. Design Engr., Northeast Electronics Corp., Box 425, Concord, N.H.
DWYER, ROBERT E. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Inglewood, Calif.
DWYER, ROBERT E. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Inglewood, Calif.
DWYER, ROBERT J. (A'37-VA'39-M'55), Asst. Prof.,
Physics, Purdue Univ. Calumet Center, Hammond, Ind.
DYAL, JAMES O., JR. (A'54), Supvr., Prod. Programming
Sect., Sperry Rand Corp., St. Paul 1-6, Minn.
DYALL, WILLIAM T. (A'48-SM'52), Mgr., Tube Dev.
Shop, RCA, New Holland Pike, Lancaster, Pa.
DYBUWSKI, ANTHUNY J. (A'37-VA'39), Pres., Dymac,
Inc., 2329-31 Main St., Buffalo 14, N.Y.

DYCE, ROLF B. (5'52-M'56), Asst. Head, Propagation Group, Engrg. Div., Stanford Research Institute, Menlo Park, Calif.

DYCUS, ROBERT W. (A'53), TV Engr., Jefferson Standard Broadcasting Co., WBTB, 1 Jefferson Pl., Charlotte 8, N.C.

DYE, DAVID L. (S'44-A'52-M'57), Research Specialist, Physics, Boeing Airplane Co., Box 3925, Seattle 24,

DYE, FRANK R. (S'54-M'56), Lt.ig, USNR, Naval Intelligence School, Language Div., U.S. Naval Receiving Sta., Washington 25, D.C.

DYE, JACK E. (A'53-M'57), Principal Electronics Engr., Emerson Research Labs., 701 Lamont St., N.W., Washington, D.C.

washington, D.C.

DYE, NORMAN E. (S'54-A'55-M'57), Microwave Engr.,
ITT Labs., 370D E. Pontiac St., Ft. Wayne, Ind.
DYE, RAYMOND C. (A'44), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

DYE, ROBERT E. (S'41-A'44-M'55), Tech. Staff Asst. to Chief Engr., Melpar, Inc., 3000 Arlington Bivd., Falls
Church, Va.

DYE, DOBERT E. (1990)

Chief Engr., weipar, inc., 2000 Aringon Bivd., rails Church, Va.

DYE, ROBERT E. (M'59), Electronics Test Engr., Cascade Research Div., Monogram Precision Industries, Inc., 53 Victory Lane, Los Gatos, Calif.

DYE, ROBERT R. (S'47-A'50-M'56), Sr. Engr., Northrop Aircraft, Inc., Hawthorne, Calif.

DYE, WILLIAM G. (A'52-M'56), Prod. Planning Rep., IBM, 217 W. Julian St., San Jose, Calif.

DYER, EDWARD F. (M'59), Assoc. Engr., Westinghouse Elec. Corp., Friendshio Airport, Baltimore, Md.

DYER, FRANK C. (A'47-M'55), Asst., Mgr., Collins Radio Co., 1937 Irvina Bivd., Dallas 20, Tex.

DYER, JAMES W. (S'56-M'57), Electronics Engr., Natl. Security Agency, Washington 25, D. C.

DYER, JAMEN W. (A'7-M'747), Project Engr., Minneapolis-

DYEK, JAMES W. (S'30-M'37), Electronics Engr., Natl. Security Agency, Washington 25, D. C.

DYER, JOHN H. (A'47-M'47), Project Engr., MinneapolisHoneywell Aeronautical Div., St. Petersburg, Fla.

DYER, JOHN N. (J'30-A'32-SM'45-F'49), V.P., Airborne
Instruments Lab., Mineola, L. I., N. Y.

DYER, RAYMOND F., JR. (S'52-A'54), Semiconductor
Engr., GE Co., Clyde, N.Y.

OYER, RUSSELL A. (M'57), Sales Engr., Pivan Engrg.
Co., 2820 Peterson Ave., Chicago 45, Ill.

OYER, SAMUEL M. (M'50), Electronics Engr., U.S. Army
Electronic Proving Ground, Ft. Huachuca, Ariz.

DYESS, CARVER H. (A'52), Sr. Engr., ConvairAstronautics, San Diego, Calif.

DYETT, EDMOND G., JR. (A'49-M'55), Sales Mgr., Instrument Div., H. H., Scott, Inc., 111 Powder Mill Rd.,
Maynard, Mass.

DYJACK, LEO C. (S'57-A'57), Engrg. Asst., The Bell

DYJACK, LEO C. (S'57-A'57), Engrg. Asst., The Bell Tel. Co. of Canada, 393 University Ave., Toronto 6, Ont., Canada. Ont., Canada.

DYKE, ED (S'41-M'46-SM'48), Asst. Dir., Engrg., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

DYKE, WALTER P. (M'56), Dir., Linfield Research Institute, McMinnville, Ore.

DYKES, WARREN E. (A'58), Site Supvr., Page Communications Engr., R.A.D.C. Experimental 1 Annex, Carrabelle, Fla.

Pia.

OYMENT, RDGER F. (M'58), Engr., Production Electronics, Firestone Tire & Rubber Co., 2525 Firestone Blvd., Los Angeles 54, Calif.

DYNE, JAMES H. (A'57), Genl. Mgr., Steiner-Ives Co., Springfield Rd., Union, N.J.

DYRR, EJNAR H. (S'55-M'56), Electronics Engr., Motorola Research Lab., Riverside, Calif. DYSINGER, CARL W. (A'58), Southern Pacific Mgr., Electronics Co., 1125 W. 6 St., Los Angeles, Calif. DYSON, ARTHUR A. (A'33-VA'39-M'55), Chmn. & Mng. Dir., Erie Resistor, Ltd., Carlisle Rd., Great Yarmouth, Norfolk, England.

DYSON, BRAHAM N. (A'53-M'56). Mgr. Macapaile Wise.

Norfolk, England.

DYSON, GRAHAM N. (A'53-M'56), Mgr., Marconi's Wireless Telegraph Co., Box 1158, Singapore.

DYSON, JOHN D. (S'49-A'52-M'58), Research Asst. Prof., Elec. Engrg. Dept., Univ. of Illinois, Urbana, Ill.

DYTRT, LUMIR F. (M'57), Consulting Engr., 233 Ivy Rock Lane, Havertown, Pa.

DZIEDZIC, WALTER T. (M'57), Project Engr., Chesapeake Instrument Corp., Shadyside, Md.

DZIERSKI, MARVIN P. (S'56-M'57), Asst. Officer-in-Chg., USN, Electricity & Electronics, Class 'P' School, U. S. Naval Training Center, Great Lakes, Ill.

Naval Training Center, Great Lakes, III.

27 IK, ALEX (A:55-5M*58), Application Engr., RCA, Harrison, N.J.

27 IK, SIDNEY (S:50-A'51-M'56), Design Engr., United Transformer Co., 15D Varick St., New York 13, N.Y.

27 ILVELIS, ALEXANDER A. (S'48-A'56-M'50), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

27 INGELIS, VINCENT F. (S'52-A'56), Elec. Engr., New York City Board of Education, 11D Livingston St., Brooklyn 1, N.Y.

Dr. 25 t. & Lehigh Ave., Philadelphia 32, Pa.
Dv., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
DZULA, BORIS (M'56), Project Engr., ITT Labs., Nutley 10, N.J.

DZULA, GREGORY (S'51-A'52-M'56), Chief Engr., Industrial Instruments, 89 Commerce Rd., Cedar Grove, N.J. DZWONCZYK, JOSEPH G. (M'57), Field Engr., I. E. Robinson Co., 7404 W. Chester Pike, Upper Darby, Pa.

EACHUS, EDWARD D. (A'47-M'55), Engr., GE Co.,

Syracuse, N.Y.

EACHUS, IREDELL, JR. (S'41-A'43-SM'56), Consulting
Engr., 314 Bala Ave., Bala-Cynwyd, Pa.

EACHUS, JOSEPH J. (SM'53), Systems Dir., Datamatic
Div., Minneapolis-Honeywell Regulator Co., 151 Needham
St., Newton 61, Mass.

EACHUS, WILLIAM J. (A'47-M'55), Engr., Mackay Radio
& Telegraph Co., Inc., 350 Mission St., San Francisco,
Calif.

EADIE , DONALD (A'48-SM'53), Sr. Design Engr., Minn-eapolis-Honeywell Regulator Co., Rte. 19, St. Petersburg, Fla

EADS JESSE J., JR. (A'54), Personnel Mgr., Hughes Prods. Co., Internati. Airport Sta., Los Angeles 45, Calif.

EAGAN, JOHN F., JR. (A'50), Mgr., Frequency Bureau, RCA, Camden 2, N.J.

EAGAN, JOHN T. (M'57), Elec. Engr., Raytheon Mfg. Co., Box 949, Oxnard, Calif.

EAGER, GEORGE S., JR. (A'49-M'55), Asst. Dir., Research Genl. Cable Corp., Bayonne, N.J.

EAGER, MARCY (A'33-SM'44), Asst. Prof., Elec. Engrg., MIT, Cambridge 39, Mass.

EAGLE, GEORGE R. (A'53), Sect. Chief, Bullpup Final Acceptance Testing, Martin Co., Box 5837, Orlando, Fla. EAKER, LEWIS C. (M'56), Mgr., Tube Engrg., RCA Victor Co., Ltd., 1001 Lenoir, Montreal, P. Q., Canada.

EAKIN, JAMES H. (S'51-A'53-M'58-SM'58), Western Area Systems Engr., Motorola Communications & Electronics, Inc., 1616 Rollins Rd., Burlingame, Calif.

EAKIN, KENNETH G. (SM'58), Supry. Electronics Scientist,

Area Systems Lind , Motoria Communications at Carlottonics, Inc., 1616 Rollins Rd., Burlingame, Calif.

EAKIN, KENNETH G. (SM*58), Supvy. Electronics Scientist, Rome Air Development Center, Griffiss AFB, N.Y.

EAKINS, JOSEPH R. (A*5D), Engr., Canadian Radio Mfg., Corp., 11 19 Brentcliffe Rd., Toronto 17, Ont., Canada. EAKMAN, STEPHEN L. (M*56), Dev. Engr., Tracerlab., Inc., 1601 Trapelo Rd., Waltham, Mass.

EALLONARDO, CHARLES M. (S*56-M*59), Electronic Research Engr., Eitel McCullough, Inc., 798 San Mateo Ave., San Bruno, Calif.

EAMES, ALBERT M., JR. (A*30-M*46), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

EAMES, RONALD D. (M*56), Publications Mgr., Raytheon Mgr., Co., Wayland, Mass.

EANNARINO, JOSEPH M. (A*43-SM*55), Tech. Advisor to Dir., Control & Guidance, Rome Air Development Center, Griffiss AFB, N.Y.

EARNART, CHARLES E. (S*42-A*44-SM*52), Sr. Project

Griffiss AFB, N.Y.

EARHART, CHARLES E, (S'42-A'44-SM'52), Sr. Project
Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

EARL, EDWIN O, (A'57), Pres., Genl. Mgr., Telerad, S. A.,
Aparado 5034, Panama, Rep. de Panama.

EARL, HAROLD O, (M'57), Sr. Engr., Electronic Defense
Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain
view, Calif.

view, Calif.

EARL, HOWARD D. (M'52-SM'58), Head, Engrg. Sect.,
Sylvania Elec. Prods., Inc., Amherst Engrg. Lab., 1100

Wehrle Dr., Buffalo 21, N.Y.

Wehrle Dr., Buffalo 21, N.Y.

EARL, ROBERT J. (S'46-M'50), Administrative Engr., Sylvania Elec., Prods., Inc., 189 B St., Needham, Mass. EARLE, DAVID H. (A'50-M'56), Prod. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. EARLES, DONALD R. (S'57-M'58), Project Engr., Western Electric Co., Burlington, N.C.
EARLS, HOWARD G. (A'38-M'46-SM'55), Mgr., Engrg. Administration, GE Co., HMED, Syracuse, N.Y.
EARLY, CHARLES D., JR. (S'53-A'54-M'57), Grad. Research Asst., Willow Run Labs., Univ. of Michigan, Box 2008, Ann Arbor, Mich.
EARLY, DOUGLAS M. (A'54). Fnor Mainze Inc., 2000.

2008, Ann Arbor, Mich.

EARLY, DOUGLAS M. (A'54), Engr., Melpar, Inc., 3000
Arlington Bivd., Falls Church, Va.

EARLY, EDWARD W. (S'4B-A'52-M'57), Elec. Engr.,
Univ. of Washington, Applied Physics Lab., 1013 E. 40
St., Seattle S, Wash.

EARLY, HAROLD C. (S'40-A'42-SM'48), Research Engr.,
Univ. of Michigan, Ann Arbor, Mich.

EARLY, JAMES M. (A'48-SM'54-F'59), Transistor Dev.
Engr., Bell Tel. Labs., Murray Hill, N.J.

EARLY, JAMES M. (A'53), Sales Promotional Rep., Sylvania Div., Genl. Telephone Electronics, Inc., 1740
Broadway, New York 19, N.Y.

EARNSHAW, ANTHONY (M'57). Radio Sunt.. Dent. of

EARNSHAW, ANTHONY (M'57), Radio Supt., Dept. of Lands & Forests, Govt. of Alberta, Edmonton, Alta., Canada.

Canada.

EARNSHAW, DAVID P. (A'28-SM'45), Consulting Engr., Philoc Corp., Philadelphia 28, Pa.

EARNSHAW, EDWARD F., JR. (S'50-A'52-M'57), Supvr., Quality Control, Curtiss-Wight Corp., Electronics Div., Central Ave., Carlstadt, N.J.

EARP, CHARLES W. (M'40-SM'43), Chief Engr., Radio Advance Dev., Standard Telephones & Cables, Ltd., New Southgate, London, N. 11, England.

Southgate, London, N. 11, England.

EARPS, EDWARD W. (A'56), Electronics Scientist, U. S. Naval Air Sta., Pensacola, Fla.

EARSHEN, JOHN J. (A'46-S'48-A'52-M'55), Elec. Engr., Bendix Aviation Corp., Systems Div., Ann Arbor, Mich. EARSY, ROBERT M. (S'56-M'58), Engr., Raytheon Mfg. Co., Bedford, Mass.

EARTHMAN, JAMES C. (S'51-A'51-M'57), Research Engr., Jersey Production Research Co., 1133 N. Lewis, Tulsa, Dkla.

Tulsa, Dkla.

EASH, GEORGE H. (A'51), Chief Engr., Fidelloac Dlv., Waters Conley, Inc., 1702 Wayne St., Toledo 9, Ohio.

EASH, JOSEPH J. (S'44-A'46-M'55), Signal Engr., Pittsburgh & Lake Erie R.R. Co., 534 P. & L. E. Terminal Bldg., Pittsburgh 19, Pa.

EASLEY, CECIL R. (S'58-M'59), Elec. Systems Design Engr., No. Amer. Aviation, Internatl. Airport, Los Angeles, Calif.

Calif.

EASLEY, GAYLE P. (M'57), Electronics Systems Engr., "A." Lockheed Aircraft Corp., Box 551, Burbank, Calif. EASLEY, WILLIAM A., JR. (A'54), Field Engr., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif. EASON, CHARLES R. (A'54), Pissiest, U. S. Army Signal Research & Development Lab., Belmar, N. J. EASON, LEROY (A'52-M'57), Asst. Genl. Patent Atty., Hazeltine Research Corp., Little Neck 62, L.1., N.Y. EASSON, GRAEME S. (A'55), Supvg. Service Engr., Electronics Service Dept., Westinghouse Elec. Corp., Box 746, Baltimore, Md.

EAST, LAWRENCE A. W. (A'25-SM'45). Chief Engr.

746, Baltimore, Md.

EAST, LAWRENCE A. W. (A'25-SM'45), Chief Engr., Communications, Canadian Pacific Railway Co., 1255
Phillips Sq., Montreal 2, P. Q., Canada.

EAST, THOMAS W. R. (SM'57), Sect. Head, Raytheon Canada, Ltd., 61 Laurel St., Waterloo, Ont., Canada CAST, WILBUR L., JR. (A'58), Tech. Writer & Editor, GE Co., Waynesboro, Va.

EASTER, BILLY H. (S'50-A'54), Asst. Prof., Texas Technological College, Lubbock, Tex.

EASTER, WILLIAM A. (S'56-M'58), Elec. Engr., Hughes Aircraft Co., 2060 E. Imperial, El Segundo, Calif.

EASTERBROOK, LEO J., JR. (S'47-A'47-M'55), Sr. Aeronautical Engr., Pan American Airways, Internati. Airport, Miami, Fla.

- EASTERDAY, JACK L. (S'52-A'53-M'58), Electronics Research Engr., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio
- EASTERDAY, MALCOLM R. (A'45-M'52), Supvr., Test Engrg., Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.
- EASTERDAY, ROBERT B. (J'43-A'43), Staff Asst., Western Electric Co., 1235 N.E. 47 Ave., Portland 13,
- Ure.

 EASTERLING, MAHLON F. (S'48-A'51-M'56), Sr.
 Research Engr., Caltech Jet Propulsion Lab., 4800
 Oak Grove Dr., Pasadena, Calif.

 EASTERWOOD, HENRY W., JR. (S'52-A'54), Instr.,
 Motorola, Inc., 4501 Augusta Ave., Chicago 51, III.
 EASTHAM, MELVILLE (A'13-M'13-F'25XL), 8 Graygardens,
 E., Cambridge, Mass.
- EASTLAND, FRANKLIN M. (S'56-M'57), Electronics Design Engr., Westinghouse Elec. Corp., Box 746, Baltimore, Md.
- EASTMAN, AUSTIN V. (A'23-M'52-F'41), Prof. & Exec. Officer, Dept. of Elec. Engrg., Univ. of Washington, Seattle 5, Wash.
- EASTMAN, JOHN W. (A'43-M'49), Owner & Radio TV Engr., Radio DOC-TV, 2615 Forest Ave., Des Moines 11, iowa.
- EASTMAN, LESTER F. (A'53-M'58), Assoc. Prof., School of Elec. Engrs., Cornell Univ., Ithaca, N.Y.

 EASTMAN, MARCUS R. (S'58-M'59), Assoc. Engr., Guldance & Control, Martin Co., Orlando, Fla.

 EASTMAN, RICHARD S. (S'51-A'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 EASTMAN LIAM (A'42-SM'52) Pres. Conl. Transistor.
- EASTON, ALLAN (A'42-SM'52), Pres., Geni. Transistor Distributing Corp., B7-11 130 St., Richmond Hill, L.I.,
- EASTON, IVAN G. (S'39-A'41-SM'45), Engrg. Mgr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass. EASTON, JAMES D. (A'58), Box 151, Walker Hall, Pomona College, Claremont, Calif.
- EASTON, ROBERT L. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. EASTON, ROGER L. (M'46), Electronic Scientist, Naval Research Lab., Washington 25, D.C.
- Research Lab., Washington 25, D.C.

 EASTWOOD, GEDFFREY C. (5'44-A'45-M'48), Chief Engr.,
 Rogers Radio Broadcasting Co., Ltd., 37 Bloor St., W.,
 Toronto S, Ort., Canada

 EASTWOOD, WILLIAM J. (A'52), Engr., Research, No.
 Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio.

 EASUM, CLIFFORD M. (A'45-M'52), Chief Engr., KTOK,
 1800 W. Main St., Oklahoma City 2, Okla.

 EATON, ARDITH W. (S'55-M'57), Engr., GE Co., Syracuse,
 N.Y.
- EATON, CHARLES B. (M'57), Sr. Instrumentation Dev. Engr., RCA Missile Test Project, Patrick AFB, Fla. Engr., Rua missite lest project, patrick APB., ria.
 EATON, CONRAD F. (5'54-A'55), Mem. Tech. Staff,
 Ramo-Woolridge Corp., 5500 W. El Segundo Blvd.,
 Los Angeles 45, Calif.
 EATON, FRANCIS M. (M'57), Sr. Engr., Schlumberger
 Well Surveying Corp., Houston, Tex.
 EATON, G. FRED (M'48), Sales Mor., Erle Resistor
 of Canada, Ltd., 4972 Dundas St., W., Toronto 18,
 Ont. Canada

- EATON, HAROLD, JR. (S'55-M'57), Group Engr., Douglas Aircraft Co., Field Sta., Patrick AFB, Fla. EATON, JAMES E. (A'46-M'47), Assoc. Prof., Mathematics, Queens College, Flushing 67, L.I., N.Y.
- Calif. Solid Programs of the Arthur Control of the Control of the
- Carll Service Co., 441 Stuart St., Boston 16, Mass.
- EATON, RICHARD C. (SM'54), Supvr., Experimental Systems Dev., GE Co., U. S. Naval Sta., Navy 117, FPO, New York, N. Y. EATON, ROLAND D. (M'46), Sr. Research Engr., Photo Multipliers, Allen B. DuMont Labs., 750 Bloomfield Ave., Clifton, N.J.

- Witthiers, Alen B. Dumont Labs., /50 Bloomfield Ave. Clifton, N.J.

 EATON, THOMAS T. (A'40-SM'50), Partner, Towson Labs., 419 Georgia Ct., Towson 4, Md.

 EATON, WILLIAM W. (SM'52), V.P., C-E-I-R, Inc., 1200 Jeff Davis Hwy, Arlington, Va.

 EATOUGH, CHARLES D. (S'52-A'55), Staff Mem., Aeronutonic Systems, Inc., 1234 Airway, Glendale 1, Calif. EAVES, AUGUSTUS J. (M'33-SM'43), Consulting Engr., Blind Brook Lodge, Rye, N.Y.

 EAVES, HUBERT H. (SM'55), Pres., PEK Labs., Inc., 4024 Transport St., Palo Alto, Calif. EBAUGH, DAVID P. (4'56), Engr., Test Equipment, IBM, Lexington, Ky.

 EBAUGH, PAUL (A'45-M'55), Asst. Dean for Research, College of Engra. & Architecture, The Pennsylvania State Univ., University Park, Pa.

 EBBE, GRACE L. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 EBBELER, JOHN R. (A'44-M'52), Supvy, Electronics Re-

- Labs., Muray Hill, N.J.

 EBBELER, JOHN R. (A'44-M'52), Supvy. Electronics Research & Design Engr., Crosley Div., Avco Mfg. Corp., Cincinnati 25, Ohio.

 EBEL. A. JAMES (J'33-A'35-M'43-SM'43), V.P. & Genl. Mgr., Comhusker Television Corp., KOLN-TV, 40 & W. Sts., Lincoln, Neb.
- EBEL, DONALD G. (S'56-A'57), Sr. Tech. Writer, Instru-mentation Div., Radiation, Inc., 5800 McCoy Rd., Or-lando, Fla.
- EBELING, WILLIAM (M'58), Jr. Engr., Electronic Communications, Inc., 1501 72 St., St. Petersburg, Fla.

 EBENSBERGER, A. C. (SM'57), Design Engr., Collins Radio Co., 1937 Iving Blvd., Dallas 7, Tex.

 EBER, LOUIS O., JR. (S'50-A'53), Engr., GE Co., Syracuse, N.Y.
- Syracuse, N.Y.

 BERRGENVI, B. ANDRES (A'52), Specialist Engr., PEMEX, Petroleum Engrg. Dept., Box 1, Poza Rica Ver., Mexico.

 BERRHARD, EVERETT (S'39-A'40-SM'49), Project Engr., Motorola Research Lab., 3102 N. 56 St., Phoenix, Ariz.

 BERRHARD, LAWRENCE E. (A'25-VA'39), Consultant, 171 Smull Ave., West Caldwell, N.J.

- EBERHARD, RICHARD C. (\$'54-A'54), Electronics Engr., USAF, B-58 Test Force, Carswell AFB, Tex. EBERHARDT, FRANCIS J. (\$'54-A''55), Physics Instr., Dept. of Elec. Engrg., U. S. Naval Academy, Annapolis, Md.
- EBERHART, EDGAR K. (M'47-SM'48), Mem. Tech. Staff, Bell Tel. Labs., 3300 Lexington Road, S.E., Winston-Salem, N.C.
- Salem, N. C.

 BERL, RICHARD C. (A'58), Training Officer, Field Radio Repair Course, Ft. Gordon, Ga.

 BERRLE, EDWARD E. (A'43-M'50), Sr. Project Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 BERRLE, HARRY (S'53-A'54-M'59), 221 E. Glenwood Ave., Wildwood, N. J.

 BERRLEIN, CALVIN W. (S'56-M'58), Engr., Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind.

 EBERLY, HARRY L. (SM'54), Mgr., Microwave Prod. & Material Control, RCA, Harrison, N. J.

 BERRSOL, ELMER T. (M'46). Filter, Flectropic, Equipo.

- EBERLY, HARRY L. (SM'54), Mgr., Microwave Prod. & Material Control, RCA, Harrison, N. J.

 EBERSOL, ELMER T. (M'46), Editor, Electronic Equipment Engra., 172 S. Broadway, White Plains, N. Y.

 EBERSOLE, HOWARD R. (S'49-A'51-M'56), Chief, F-101
 Branch, USAF, Holloman AFB, N. M.

 EBERT, DONALD H. (M'59), Principal Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 EBERT, FRED C. (M'56), Dev. Engr., Micro Switch Div., Minneapolis-Honeywell Regulator Co., Chicago & Spring, Sts., Freeport, Ill.

 EBERT, HARRY K. JR. (M'53), Assoc. Prof., Elec. Engr., J. (Virginia Polytechnic Institute, Blacksburg, Va.

 EBERT, HARRY K. JR. (M'53), Assoc. Prof., Elec. Engr., Virginia Polytechnic Institute, Blacksburg, Va.

 EBERT, JONN E. (J'41-A'43-SM'53), V.P., FXR, Inc., 26-12 Borough Pl., Woodside 77, L. I., N. Y.

 EBERT, BOBERT H. (S'57-A'59), Dev. Engr., Western Electric Co., c/o Bell Tel. Labs., Whippany, N. J.

 EBERT, MILLIAM J. JR. (S'57-M'58), Electronics Engr., McDonnell Aircraft Corp., St. Louis 1, Mo.

 EBERTIN, MICHEL A. (M'58), Engr., Dept., California Institute of Technology, Pasadena, Calif.

 EBKEN, ALBERT F., JR. (M'52), Supry. Electronics Engr., Asst. Industrial Mgr., Design Div., Navy Dest., 2400 11 Ave., S.W., Seattle, Wash.

 EBLE, BURRILLB. (S'49-A'54-M'58), Sr. Engr., Tele-Dynamic, Inc., 5000 Parkside Ave., Philadelphia 31, Page (St. Philadelphia)

- EBLING, WILLIAM F., JR. (A'49-M'56), Research Engr., Internati. Resistance Co., 401 N. Broad St., Philadelphia 8, Pa.

- Internati. Resistance Co., 401 N. Broad St., Philadelphia B, Pa.

 EBNER, GEORGE A. (A'58), Dir., Engrg., Heath Engrg. Co., Ft. Collins, Colo.

 EBNER, WAREN H. (A'46-M'56), Electronics Engr., GEEIA, 4816 N. Detroit Ave., Oklahoma City 12, Okla.

 EBNET, IN. BERNHARD (S:55-M'57), Assoc. Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, Ill.

 EBY, J. THEODORE (S'48-A'49-M'54), Project Engr., Bendis Aviation Corp., Towson 4, Md.

 EBY, JAMES A. (M'57), Electronics Design Engr., Applied Science Corp. of Princeton, Box 44, Princeton, N. J.

 ECCLES, WILLIAM J. (S'54-M'57), Engr., Burroughs Research Corp., Paoli, Pa.

 ECHANDI, JOSEPH (S'51-A'53-M'58), Fleld Engr., Sperry Gyroscope Co., Great Neck., L. I., N.Y.

 ECHOLS, RAE A. (A'53), Communications Supt., City of Phoenix, Ariz.

 ECHTMAN, LIONEL (S'42-A'44-M'55), Asst. Prof., Elec. Engrg., School of Technology, The College of the City of New York, Amsterdam Ave. & 140 St., New York 31, N.Y.

 ECK, EUGENE J. (S'53-A'54-M'58), Equipment Engr., Sylvania Elec. Prods., Inc., Burlington, Iowa.

 ECK, ROBERT C. (M'56), Engr., Instrument Systems, Ordnance Research Lab., Penn State Univ., University Park, PaUL E. (S'42-A'44), Engr., Douglas Alrcraft Co., Inc., Box 698. Edwards., Calif.

- Co., Inc., Box 698, Edwards, Calif.

 ECKART, JAMES H. (S'52-A'54-M'59), Engr., Douglas Aircraft
 Co., Inc., Box 698, Edwards, Calif.

 ECKART, JAMES H. (S'52-A'54-M'59), Engrg. Asst.
 (Military Termination USN), Northrop Aircraft, Inc., HawFCKDAH, DOLLOS.
- ECKDAHL, DONALD E. (S'44-A'47-M'55-SM'57), Mgr., Electronics Div., The Natl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthorne, Calif.

- Electronics Div., The Natl. Cash Register Co., 1401 E., El Segundo Bivd., Hawthorne, Calif.

 ECKEL, CARL C. (S'50-A'51-M'57), Group Leader, RCA, Camden 2, N.J.

 ECKEL, JAMES R., JR. (S'53-A'53-M'58), Instr., Elec. Engrg., The Univ. of Wisconsin, Madison 6, Wis.

 ECKEL, KARL G. (M'59), Mathematical Engr., Lockheed Aircraft Coro., Burbank, Calif.

 ECKELMAN, PAUL F. (S'51-A'52-M'58), Dev. Engr., IBM., Poughkeepsie, N.Y.

 ECKELMANN, RONALD R. (S'58-M'59), 241 Deauville St., Playa Del Rey, Calif.

 ECKELS, ARTHUR R. (SM'57), Chmn. & Prof., Dept. of Elec. Engrg., Univ. of Vermont, Burlington, Vt.

 ECKELS, AUGUST E. (A'31-VA'39), Asst. Chief Engr., Baltimore Broadcasting Corp., WCBM, North & Hartford Aves., Baltimore 13, Md.

 ECKENFELDER, ROBERT C. (M'58), Project Engr., Bendix Aviation Coro., Teterboro, N.J.

 ECKENFODE, ALOYSIUS H. (A'56-SM'57), Staff Engr., RCA, Instrumentation Engrg., Patrick AFB, Fla.

 ECKER, HARRY A. (S'55-M'58), Research Asst., Georgia Tech. Engr., Experiment Sta., Atlamta, Ga.

 ECKER, JOHN L. (S'51-A'53-M'57), Advanced Research Engr., Crosley Div., AVCO, 1329 Arlington St., Clincinnati 25, Ohio.

 ECKERSLEY, JEFRED (S'50-A'52-SM'57), Lecturer, Elec. Engrg. Dept., Univ. of New Mexico, Albuquerque,
- ECKERSLEY, ALFRED (5'50-A'52-SM'57), Lecturer, Elec. Engrg. Dept., Univ. of New Mexico, Albuquerque N. M.
- ECKERSLEY, PETER P. (F'25), Advisory, Telephone Mfg. Co., Ltd., Martell Rd., Dulwich, London SE 21, England. ECKERT, CLARENCE C. (A'30-SM'47), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- CKERT, EDWARD R. (A'50-M'55), System Engrg. Subvr., Sage System, Burroughs Corp., Burroughs Dr., Radnor, Pa.
- ECKERT, ELMER H. (S'50-A'52-M'57), Electronics Engr., Cornell Aeronautical Lab., 4455 Genesee, Buffa-io 21, N. Y.

- ECKERT, FRANK A. (A'36-VA'39), Owner, Eckert Radio & TV Service, 2045 N. 57 St., Milwaukee 8, Wis. ECKERT, FRANK A. (M'57), Elec. Design Engr., Applied Science Corp. of Princeton, Box 44, Princeton, N. J. ECKERT, GLEN F. (A'49), Mktg., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla. ECKERT, HOWARD R. (S'47-A'49-M'58), Supvr., Test Planning, Lockheed Missiles & Space Div., Sunnyvale, Calif.
- Planni Calif,
- Calif.

 ECKERT, J. PRESPER, JR. (S'41-A'47-M'53-SM'55-F'56), V.P., Univac Engra., Remington Rand Univac, 1'St. & W. Allegheny Ave., Philadelphia 39, Pa.

 ECKERT, JOHN A., JR. (A'46-M'53), Sr. Engr., Norair

 Div., Northop Corp., Hawthorne, Calif.
- ECKERT, JOSEPH F., JR. (A'45), Engr., RCA, Camden, 2, N. J. ECKERT, THOMAS A. (M'52), Maj., U. S. Army, Retired. Instr., Training & Recruiting, GE Co., HMED, Syracuse, N. Y.
- ECKESS, WILLIAM S. (A'53-M'55), Mgr., Application Engrg., Pacific Semi-Conductors, inc., 10451 W. Jeff-erson Blvd., Culver City, Calif. ECKHARDT, DAVID C. (M'57), Sales Engr., Semiconductor Div., Sylvania Elec. Prods., Inc., 2001 N. Cornell Ave., Melrose Park, III.
- ECKHARDT, DOUGLAS L. (M'46-SM'51), Mgr., Tech. Service Group, Sylvania Elec. Prods., Inc., Waltham 54, Mass.

- Mass.
 ECKL, JAMES J. (S'57-M'58), Dev. Engr., Square D.
 Co., 4041 N. Richards St., Milwaukee, Wis.
 ECKLES, WESLEY W., JR. (A'52-M'54), Reservoir Engr.,
 Sun Oil Co., 1096 Calder, Beaumont, Tex.
 ECKLUND, E. EUGENE (A'51-SM'53), Sales Mgr., Automotive Equipment Div., Allen B. DuMont Labs., Inc.,
 760 Bloomfield Ave., Clifton, N.J.
- CKLUND, ROBERT E. (A'54), Asst. Engr., New Mexico College of A.&M.A., State College, N.M. ECKLUND, THOMAS W. (M'58), Owner, T. W. Ecklund Co., Box 12151, Ft. Worth, Tex. ECKMANN, LEONARD G. (A'44), Telephone Acoustics & Transmission Engr., Genl. Telephone Labs., Inc., Box 17, Northake, III.
- ECKSTEIN, GERARD (S'49-A'50-M'57), Sr. Engr., Westinghouse Elec. Corp., Electronics Div., Box 746, Baltimore 3, Md.
- ECKSTEIN, JOEL (M'57), Engr., Partner, Eckstein Bros., Electro-Medical Labs., 424 N. Vermont Ave., Los Angeles 4, Calif.
- ECKSTEIN, NORMAN A. (A'54), Prod. Engrg. Mgr., Radio Development & Research Co., 56 California Ave., Paterson, N.J. ECKSTEIN, ROGER J. (S'56-M'58), Dev. Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

- ECKSTEIN, ROGER J., (S'56-M'58), Dev. Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 ECKTON, WALLACE H., JR. (S'54-M'56), 3215 E. 105 St., Seattle 55, Wash.

 ECOFF, FRANCIS A., JR. (A'56), 3386 Park Ave., Memphis 11, Tenn.

 ECONOMIDES, ALEXANDER (S'56-M'57), 25 Anakreontos St., Kallithea, -Athens, Greece.

 EDAM, DONALD M. (A'55-M'56), Administrative Asst., Minnesota Pipe Line Co., 1st Natl. Bank Bldg.

 St. Paul 1, Minn.

 EDBERG, ERIC B. (M'56), Chief Test Engr., Varian Associates, 611 Hansen Way, Palo Alto 2, Calif.

 EDBERG, ROBERT A. (M'46), Chief Engr., Iowa Testing Program, State Univ. of Iowa, Iowa City, Iowa.

 EDDEY, EVERETT E. (A'45-A'47), Group Leader, Aerophysics Dept., Goodyear Aircraft Corp., 1210 Massillon RDINGS, RAY A. (M'58), Engr., ARO, Inc., Tullahoma,
- EDDINGS, RAY A. (M'58), Engr., ARO, Inc., Tullahoma,

- EDDINGS, RAYA, (M'58), Engr., ARO, Inc., Tullahoma, Tenn,
 EDDINS, WILLIAM T. (M'53), Sr. Engr. AA, Radiation, Inc., Box 37, Melboune, Fla.
 EDDLESTON, JAMES H. (A'50-M'55), Sr. Project Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.
 EDDS, JAMES D. (S'57-M'59), Electronics Engr., Interstate Electronics Corp., 707 Vermont Ave., Anaheim, Calif.
 EDDY, F. NEAL (A'54), Engrg. Writer, Lab., for Electronics, 75 Pitts St., Boston 14, Mass.
 EDDY, HERBERT C. (A'54), Instrumentation Systems Engr., 3208 Test Group, PGVPP, Eglin AFB, Fla.
 EDDY, KENNETH C. (M'56), Engr., RCA Victor Div., Moorestown, N.J.
 EDDY, ROBERT C. (M'49), Genl. Supvr., Electronics Test Engrs., Hughes Aircraft Co., Tucson, Ariz.
 EDDY, HEDDORE G. (SM'58), Dir., Mfg., Tech. Prods. Div., Packard-Bell Electronics Corp., 1233 W. Olympic Bidd., Los Angeles 64, Calif.
 EDDY, WESLEY L. (A'44-M'55), Mgr., Electronic Engrg. Dept., Kelloog Switchboard & Supply Co., 6000 W. 51 St., Chicago, Ill.
 E'DEL, RALPH R. (M'56), RCA, New Holland Pike, Lancacter. Pa

- 51 St., Chicago, III.
 FibL, RALPH R. (M'56), RCA, New Holland Pike,
 Lancaster, Pa.
 EDELBERG, SEYMOUR (A'46-M'55), Staff Mem., MIT,
 Lincoln Lab., Lexington 73, Mass.
 EDELL, JOHN J. (S'47-A'50-M'55), Engr., Sperry
 Gyroscope Co., Carle Place, L.I., N.Y.
 EDELMAN, GERALD (S'55-M'58), Engr., ITT Labs., Nutley
 10, N. J.
- EDELMAN, ROBERT D. (M'55), Project Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. EDELMAN, SHELDON Z. (S'54-M'57), Design Engr., RCA, Defense Electronic Prods., Camden 2, N.J.
- DETEMBER LICCTORIC PROBS., Camben 2, N.J.
 EDELMANN, RICHARD (S'58-M'59), Electronics Engr.,
 Bell Aircraft Corp., Box 1, Buffalo 6, N.Y.
 EDELSOHN, CHARLES R. (S'47-A'49-M'55), Sr. Engr.,
 Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- wood, Calif.

 EDELSON, LEON F. (A'53-M'58), Sr. Engr., United Electrodynamics, 1200 S. Marengo, Pasadena, Calif.

 EDELSON, RGGER H. (S'57-M'59), Design Engr., Hughes Aircraft Co., Culver City, Calif.

 EDELSTEIN, HAROLD N. (A'50-SM'56), Plant Mgr. & Pres., Microtran Co., Inc., 145 E. Mineola Ave., Valley Stream, L.I., N.Y.
- EDEN, BRIAN F. (S'56-M'58), Tech. Writer, ITT Labs., Nutley 10, N.J.

EDE-EHN - 159 -

- EDENS, GEORGE E. (A'51-M'52), Central Div. Mgr., Tektronix, Inc., 7514 W. North Ave., Chicago 35, III.

- EDENS, GEORGE E. (A'51-M'52), Central Div. Mgr., Tektronix, Inc., 7514 W. North Ave., Chicago 35, Ill.
 EDENS, JACK A. (S'55-A'56), Sector Chief, Communications & Electronics, Federal Electric Corp., Garden State Pkwy., Paramus, N. J.
 EDENS, ROBERT L. (M'55), Prod. Planning Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.
 EDENS, SAMULL V. (S'55-M'57), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio.
 EDERER, NORBERT (S'48-A'50-M'57), Asst. Patent Atty., Curtiss-Wright Corp., Carlstadt, N. J.
 EDGBERT, JOHN D. (SM'57), Prod. Engr., ITT Labs., 3702 E. Pontiac, Ft. Wayne, Ind.
 EDGE. WALTER H. (M'56), Sienna Way, Oakland, N. J.
 EDGERLY, JULEIN J. (A'49-SM'55), Cmdr., USN, V. P. & Chief Engr., Radionics, Inc., Box 1349, Cocoa, Fla.
 EDGERTON, ALBERT K. (A'40-M'55), Physicist-Owner, Western Instrument Co., B26 N. Victory Blvd., Burbank, Calif.
- Calif.

 EDGERTON, ARTHUR D. (A'52-M'56), Engr., Hughes Aircraft Co., Culver City, Calif.

 EDGERTON, DEAN, JR. (S'49-A'50-M'55), Supvr., Quality & Reliability Engrg., Hughes Aircraft Co., 2060 E. Imperial, El Segundo, Calif.

 EDGERTON, HAROLD E. (SM'55-F'56), Prof., Elec. Measurements, MIT, Cambridge 39, Mass.

 EDGERTON, JAMES F. (A'55), Group Supvr., IBM, Kingston, N.Y.

- EDGERTON, MILLARD J. (A'57), TV Broadcast Technician, May Broadcasting Co., KMTV, 2615 Farnam St., Omaha 2, Neb.
- EDGERTON, RUSSELL D., JR. (S'54-M'56), Electronics Engr., U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.
- rs. Monmoutn, N.J.

 EDGETT, ROSCOE S. (A'52-M'55), Electronics Engr.,
 Rome Air Development Center, Griffiss AFB. Rome, N.Y.

 EDGINGTON, GLEN E. (S'55-M'56), Instr., Michigan
 State Univ., East Lansing, Mich.

 EDH.LUND, ARTHUR J. (S'47-A'50), Jr. Elec. Engr.,
 Minnesota Mining & Mfg. Co., 400 McKnight Rd., St.
 Paul 6, Minh.

- Paul 6, Minh.

 EDIE, JAY L. (S'57-M'59), Research Engr., Melpar, Inc., 43 Leon St., Boston 15, Mass.

 EDIGHOFFER, EARL A. (A'52-SM'59), Prod. Engr., Stelma, Inc., 200 Henry St., Stamford, Conn.

 EDINBURG, MURRAYW. (A'54), Consulting Engr., 7 Old Brook Dr., Worcester 2, Mass.

 EDISON, ALLEN R. (M'58), Asst. Prof., Elec. Engrg.

 Dept., Univ. of Nebraska, Lincoln B, Neb.

 EDISON, EDWARD (A'53-SM'5B), Consulting Radio Engr., Hammett & Edison, Box 6B, Internat. Airport, San Francisco 28, Calif.
- LEDISON, THEODORE M. (A'2B-VA'39-M'55), Pres., Calibron Prods., Inc., 222 Main St., West Orange, N.J. EDLEFSEN, NIELS E. (SM'52-F'54), V.P. & Dir., Engrg., Vickers, Inc., Administrative & Engrg. Center, Detroit 32, Mich.
- EDLEMAN, VERNON W. (A'45), 1404 Florida Ave., West Palm Beach, Fla.
- Palm Beach, Fla.

 EDLEN, GEORGE G. (M'5B), Pres., Edlen, Inc., B105

 Woodmont Ave., Bethesda 14, Md.

 EDLING, DONALD C. (A'5B), Tech. Writer, Radioplanc Div.,
 Northrop Aircraft, Inc., B000 Woodley Ave., Van Nuys,
 Calif.
- Calif.

 EDLING, ELLSWORTH A. (A'54), Pres., Orthotype Corp., 290B Dudley Ave., Nashville 12. Tenn.

 EDLIN, WILLIAM O. (M'5B), Cmdr., USN, Electronics Tech. Officer, Naval Air Development Unit, N. A. S., South Weymouth, Mass.

 EDLIND, ROBERT W. (M'57), Electronics Engr., Civil Aviation Advisory Group. FAA, Seoul, Korea.

 EDMISTON, WILLIAM H. (S'57-M'59), Asst. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore. Md.

 EDMONDS, ARTHUR (S'53-M'55), Mem. Tech. Staff, Hughes Prods., Semiconductor Div., Box 278, Newport Beach. Calif.

 FDMONDS, ARTHUR H., JR. (A'54), Jr. Engr., Melpar,

- EDMONDS, ARTHUR H., JR. (A'54), Jr. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
- Inc., 30AO Arlinaton 1., 3r., VA 297, 3r., Engr., weight inc., 30AO Arlinaton Blvd., Falls Church, Va. EDMONDS, DEAN S., JR. (S'4B-M'5B), Beaver Pond Rd., Lincoln, Mass.

 EDMONDS, ROBERT H. (M'45), Sr. Engr., W.L. Maxson Corp., 460 W, 34 St., New York 1. N Y EDMONDS, STUART C. (A'41), Electronics Engr., U.S. Dept. of Interior, Bureau of Indian Affairs, Box 1744, Albuquerue, N.M.

 EDMONDSON, JACK W. E. (A'4B-M'55), Seismologist, P.E. Narvarte, Consulting Geophysicist, 713 Frost Natl. Bank Bldg., San Antonio, Tex. EDMONDSON, RICHARD H. (SM'56), Mgr., Tech. & Operations Planning, MBC, 30 Rockefeller Plaza, New York, 20, N.Y.

 EDMONDSON, ALEXANDER S. (A'44-M'55). Personal

- York, 20, N.Y.

 EDMONSTON, ALEXANDER S. (A'44-M'55), Personal Supvr., New England Telephone & Telegraph Co., 6

 Bowdoin Sa., Boston, Mass.

 EDMUNDS, EDWARD E. (SM'55), V.P., Molecu-Wire Corp., Eatontown-Freehold Pike, Scobeyville, N.J.

 EDMUNDS, JOHN J., JR. (A'46-M'55), Chief Radar Engr., Electronics Div., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.

- Carlstadt, N.J.

 EDMUNDSON, HAROLD P. (SM'59), 237 Monte Grigio Dr., Pacific Palisades, Calif.

 EDSINGER, LARRY F. (S'56-M'57), Design Engr., Convair, Pomona, Calif.

 EDSMAN, K. STURE (A'47-M'55), Supt., A. B. Svenska Electronror, Lumavagen 6, Stockholm, Sweden.

 EDSON, DAVID J. (S'56-M'58), Elec. Engr., Univ. of California Radiation Lab., Livermore, Calif.

 EDSON, GERALD L. (S'49-A'51-M'56-SM'57), Project Engr., Motorola, Inc., B201 E. McDowell, Phoenix, Ariz.

 EDSON, J. O. (M'42-SM'43), Mary Trab.

- Ariz.

 EDSON, J. O. (M'42-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 EDSON, MARION C., JR. (A'55), Telecommunications Engr., Hycon Page, Box 666, Tripoli, Libia.

 EDSON, MICHAEL (A'64-M'52), Recording Supvr., Capitol Records, Inc., Vine St., Hollywood, Calif.

 EDSON, WILLIAM A. (M'41-SM'43-F'57), Consulting Engr., Microwave Lab., GE Co., 601 California Ave., Palo Alto, Calif.

 EDSTROM, CAPI A. (CAP-ALEA).
- EDSTROM, CARL A. (S'4B-A'50), Research Project Engr., Minneapoirs-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapoirs 13. Minn

- EDWARDS, ALFRED H. (A'54), Electronics Engr., Frankford Arsenal, Bridge & Tacony, Philadelphia 37, Pa. EDWARDS, ANDREW, JR. (S'4B-A'50-M'58), Project Engr., Genl. Precision Lab., Pleasantville, N.Y. EDWARDS, BADEN J. (M'39-SM'43), Tech. Dir., Pye, Ltd., Radio Works, Cambridge, England. EDWARDS, BASIL E. (S'55-M'57), Jr. Engr., Developmental Engrg. Corp., 1001 Connecticut Ave., N.W., Washington 6, D.C.
- EDWARD S, BOBBY G. (S'52-M'57), Staff Mem., Sect. Supvr., Sandia Corp., Salton Sea Test Base, Westmoreland, Calif.

- land, Calif.
 EDWARDS, BRUCE H. (S'57-M'5B), Exec. Officer, USCGC
 Acustnet, USCG, Portland, Me
 EDWARDS, CARL E. (S'54-M'56), Project Engr., Dale
 Prods. Inc., Box 136, Columbus, Neb.
 EDWARDS, CHARLES F. (A'41-M'55), Mem. Tech. Staff,
 Bell Tel. Labs. Red Bank, N. J.
 EDWARDS, CHARLES M. (S'41-A'43-M'45-SM'53),
 ASSOC. DIr., Bendix Aviation Corp., Research Lab. Div.,
 Northwestern Hwy. & 10'4Mile Rd., Detroit 35, Mich.

- Northwestern Hwy. & 10'4Mile Rd., Detroit 35, Mich. EDWARDS, DONALD J. (A'55), Audio Supvr., KCBD-TV, 5600 Ave. A, Lubbock, Tex. EDWARDS, DWAINE S. (A'56), Electronics Engr., 1TT Labs., Nutley 10, N. J. EDWARDS, EDWIN D. (S'55-M'55), Dev. Engr., Motorola Research Labs., 3102 N. 56 St., Phoenix. Ariz. EDWARDS, ERNEST W. (S'56-A'57), 244 E. Main St., Avon, Mass.
- Avon, Mass.
 EDWARDS, EUGENE H. (S'57-M'59), Jr. Engr., Boeing
 Airplane Co., Seattle, Wash.
 EDWARDS, FRANK H. (S'47-M'53), Chief Electronics
 Engr., United-Carr Fastener Co. of Canada, Ltd., 231
 Gage Ave., N., Hamilton, Ont., Canada.
- EDWARDS, FRED W. (M'50), Chief Engr., Standard Coil Prods. Co. Inc., 2085 N. Hawthorne Ave., Melrose Park,
- EDWARDS, FREDERICK D. (M'57), Asst. Chief Engr., Durham Broadcasting Enterprises, 1750 Newton Rd., Durham, N.C.
- DWANDS, GEORGE W. (MISS), Waveguide Planning Engr., Western Electric Corp., Lexington Rd., Winston-Salem, N.C. EDWANDS
- EDWARDS, HENRY M. (A'55-M'5B), Project Engr., Phelps Dodge Copper Prods. Corp., Ft. of Point St., Yonkers, N.Y.
- EDWARDS, HUGH T. (S'48-A'49-M'55), Western Zone Engr., GE Co., X-Ray Dept., 105 Fillmore St., Denver
- 6, Colo.

 EDWARDS, JAMES L. (S'52-A'54), Engr., Western Electric Co., Chatham Rd., Winston Salem, N.C.

 EDWARDS, JAMES N. (S'49-A'50-M'58), Elec. Engr., Hughes Aircraft Co., Culver City, Calif.

 EDWARDS, JAMES T. (S'57-M'59), Jr. Engr., Boeing Airplane Co., Seattle, Wash.

 EDWARDS, JIMMY R. (S'56-M'57), Elec. Engr., Mem. Tech. Staff. Bell Tel. Labs., Murray Hill, N.J.

 EDWARDS, JOHN D. (M'56), Electronics Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

- EDWARDS, JOSEPH B. (A'14-VA'39)(L), Elec. Engr., (Tech. Editor), Design Service Co. of New York, Inc., 76 9 Ave., New York 11, N.Y.
- EDWARDS, JULIAN M. (A'53), Area Transmission Supvr. Southwestern Bell Tel. Co., 900 W. 5 St., Little Rock, Ark.
- Ark.

 EDWARDS, KEITH A. (S'49-A'50-M'57-SM'59), Project Engr. GE Co., HMED, Syracuse, N. EDWARDS, LEONARD C. (S'48-A'50-M'55), Sr. Engr., Communications Dept., Raytheon Mfg. Co., Wayland, Mass. EDWARDS, LEWIS M. (A'50), Chief Technician, RCA Service Co., 1/120 Parkside Ave., Trenton, N. J. EDWARDS, LOGAN Z. (A'57), Chief Engr., Warner Bros., KWBR, 327 22 St., Oakland, Calif.

 EDWARDS, MARTIN A. (SM'48-F'54), Mgr., Engrg., GE Co., X-Ray Dept., 4B55 Electric Ave., Milwaukee 1, Wis.

- EDWARDS, MARVIN J. (A'4B-M'56), 6225 N. 47 Ave., Glendale, Ariz.
- EDWARDS, MONTE W. (SM'55), Supvr., Reliability Analysis Lab., Engrg., GE Co., 316 E. 9 St., Owens-boro, Ky.
- EDWARDS, NATHEN P. (A'50-M'55), Dir., Standards, Data Processing Div., IBM, 112 E. Post Rd., White Plains, N.Y.
- Plains, N.Y.

 EDWARDS, NORMAN E. (M'53), Mgr., Microwave Engrg., RCA, Camden, N.J.

 EDWARDS, NORMAN L. (A'5B), Engrg. Lab. Technician, Electronics Communications, Inc., Maritime Base, St. Petersburg, Fla.
- EDWARDS, NORMAN R. (A'50-SM'56), Chief, Electronics Engrg. Branch, FAA, 6th Region, Box 4009, Honolulu,
- DWARDS, OLVIS L. (S'53-A'55), Electronics Engr., Tinker AFB, Oklahoma City, Okla. EDWARDS, PALMER E. (A'59), Mgr. & Owner, Edwards Bottle Gas, Spooner, Wis.
- EDWARDS, PAUL G. (SM'47), Dir. Dev., Merrimack Valley Lab., Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.

- Mass.
 EDWARDS, R. O. (A'43), 2334 Crenshaw Blvd., Los
 Angeles, Calif.
 EDWARDS, RALPH L. (A'52-M'57), Electronics Engr.,
 Redstone Arsenal, Huntsville, Ala.
 EDWARDS, RANDALL S. (S'57-M'59), Research Engr.,
 Union Carbide Nuclear, Oak Ridge Natl. Lab., Box Y, Oak
 Ridge, Tenn.

- Ridge, Tenn.

 EDWARDS, ROBERT (SM'53), Pres., Electronic Assistance Corp., 20 Bridge Ave., Red Bank, N.J.

 EDWARDS, ROBERT A. (M'53), Group Supvr., Microwave Components, ITT Labs., Nutley, N.J.

 EDWARDS, ROBERT B. (A'31-M'45), Chief Engr., Special Assignment, Bendix Radip Div., Towson 4, Md.

 EDWARDS, ROBERT F. (A'53-M'56), Asst. to Pres., Planning, Internatl. Rectifier Corp., 233 Kansas St., El Segundo, Calif.

 EDWARDS, ROBERT S. (A'43-M'55), Mgr., Hustler Project, Sperry Gyroscope Co., Carle Place, L.I., M.Y.

 EDWARDS, ROY L., JR. (S'52-A'56-M'39), Engr., Aircraft Armaments, Inc., Box 126, Cockeysville, Md.

- EDWARDS, ROY Q. (A'59), Electronics Engr., Univ. of Pennsylvania, 3025 Walnut St., Philadelphia 4, Pa. EDWARD, THOMAS S. (S'51-M'55), Engr., Texas Instru-ments, Inc., Box 312, Dallas 21, Tex.
- EDWARDS, WILLIAM H. (A'47), Owner & Chief Engr., University Radio & Television, 5601 Morningside Dr., University Radio Houston 5, Tex.

- Houston 5, Tex.

 EELLS, WALTER A. (A'49-M'55), Mgr., Systems Engrg., AMP, Inc., 155 Park St., Elizabethtown, Pa.

 EFFERTZ, FRIEDRICH H. (M'56), Rheinisch Westfaelische Technische Hochschule, Aachen. Germanv.

 EFIMOV, EVGENII A. (A'57), Sr. Research Engr., Research Institute, State Electronic Committee, Moscow, U.S.S.R.

 EFREMOV, OLEG (S'57-M'58), Elec. Engr., Genl. Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.

 EFSTATHIOU, JOHN (A'55), Sr. Engr., Smith-Corona Marchant, 6701 San Pablo Ave., Oakland B, Calif.

 EFTHIM, CHRISTOPHER (S'51-M'56), 1016 Louisville Ave., St. Louis 10, Mo.

 FETING, HOWARD J. (A'52-M'56), Engr., in-Chg., Elec-FETING, HOWARD J. (A'57-M'56), Engr., in-Chg., Elec-FETING, HOWARD J. (Elec-FETING, HOWARD J
- Ave., 5t. Louis 1.0, Mo.

 EFTING, HOWARD J. (A'52-M'56), Engr.-in-Chg., Electronic Defense Labs., Sylvania Electric Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 EGAN, ALFRED (M'5B), Chief Engr., Triwec Transformer Co., 3261 N. Milwaukee, Chicago 26, III.

 EGAN, DANIEL G. (A'39-VA'39-M'53-5M'57), Sr. Nuclear Engr., Convalr, Ft. Worth, Tex.

 EGAN, GEORGE E. (S'56-M'5B), Elec. Engr., GE Co., LMED, Utica, N.Y.

 EGAN, JAMES J. (S'58-M'59), Engr., Servomechanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif.

 EGAN, RAYMOND D. (S'50-M'57), Research Asst., Radio Propogation Lab., Stanford Univ., Stanford, Calif. EGAN, SERMAN H. (A'52), Chief Engr., WYH-TV.

- EGAN, SHERMAN H. (A'52), Chief Engr., WLYH-TV, R.5, Lebanon, Pa.
- EGAN, THOMAS R. (M'56), Asst. Supvr., Field Projects, Electronics Div., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.
- EGAN, WALTER G. (S'42-A'45-M'53), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- EGAN, WILLIAM E. (A'54), Engr., AT&T Co., 400 Hamilton Arc., White Plains, N.Y EGAN, WILLIAM E. (S'55-M'5B), Design Engr., GE Co., Pittsfield, Mass.

- Pittsfield, Mass.

 EGAN, WILLIAM F. (S'56-M'58), 2306 32 Ave., San Francisco 16, Calif.

 EGBERT, DONALD E. (S'56-M'59), Instrumentation Engr., Boeing Airplane Co., Wichita, Kan.

 EGLING, FREDERICK W. (S'57-M'58), Elec. Engr., Convair, Pomona, Calif.

 EGERT, SAMUEL S. (A'45-M'55), Owner, Samuel S. Egert Co., 97 Reade St., New York 13, N.Y.

 EGERTON, W. G. (A'39-SM'54), Consulting Engr., Box 2171, San Antonio 6, Tex.

 EGGART, GEORGE J., JR. (S'4B-A'49-M'55), Sr. Assoc., Bruce Payne & Associates, Hamburgo 70-301, Mexico 6, D.F., Mexico.

 EGGFMAN, DANIEL J. (S'57-M'58), Electronics Engr.,
- EGGEMAN, DANIEL J. (S'57-M'58), Electronics Engr., Convair, Box 1011, Pomona, Calif. EGGENBERGER, JOHN S. (M'59), Assoc. Engr., IBM, Poughkeepsie, N.Y.
- POUGNKEEPSIE, N.Y.
 EGGER, ALEXANDER (A'56), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45 Calif.
- Calif.

 EGGER, CHARLES P. (S'53-A'54), Electronics Engr.,
 U. S. Forest Service Radio Lab., Agricultural Research
 Center, Beltsville, Md.

 EGGER, RICHARD J. (A'47-M'55), Dir., Planning, Defense Sales, Burroughs Corp., 707 W. Milwaukee, Detroit

- tense Sales , Burroughs Corp., 707 W. Milwaukee , Detroit 2, Mich.

 EGGER, SAMUEL L. (A'47-M'55), Supvr., Sandia Corp., Box 5800. Albuduerouc , N. M.
 EGGERDING, HUGH B. (A'44), Electronics Design Engr., Sanders Associates , Inc., 95 Canal St., Nashua, N. H. EGGERS, JAMES W. (S'57-M'59), Dutch John, Utah.
 EGGERS, JAMES W. (S'57-M'59), Dutch John, Utah.
 EGGERS, ROBERT E. (S'56-M'57), Electronics Engr., Microwave Tube Div., Sylvania Elec. Prods., Inc., 500 Everlyn Ave., Mountain View, Calif.
 EGGERT, JACK (SM'56), Chief, Special Projects Branch, Communications Div., Office of The Dir., Hors. U. S. Signal Engrg. Labs., Ft. Monmouth, N. J.
 EGGERTON, WALTER H. (A'50-M'55), Asst. Project Engr., Martin Co., Orlando, Fla.
 EGGESTAD, MAGNE (S'51-A'53-M'5B), Engr., The Defense Research Est., Kjeller pr., Lillestrom, Norway.
 EGIDI, CLAUDIO (A'47), Chief, Radio Dept., Instituto
 Elettrotecnico Nazionale G. Ferraris, 42, Cross M. D'Azeglio, Torino, Italy.
 EGLEY, CENE A. (M'59), Hazeltine Electronics Corp., Little Neck 62, L. I., N. Y.
 EGLEY, THEODORE H. (A'4B), Pres., Seaview Electric Co., 406 Main St., Avon, N. J.
 EGLI, JOHN J. (A'47-SM'56), Chief, Project Monmouth, U. S. Signal Engrg. Labs., Ft. Monmouth, N. J.
 EGLIN, JAMES M. (A'41-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Mill, N. J.
 EGLIT, WILLIAM F. (M'53), Field Project Coordinator, RCA, Canden 2, N. J.

- Tel. Labs., Murray Hill, N. J.

 EGLIT, WILLIAM F. (M'53), Field Project Coordinator,

 RCA, Camden 2, N. J.

 EGLITE, JOHN A. (S'57-M'57), Evaluation Engr., Aero

 Div., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis, Minn.

 EGNUSS, EDWARD M. (S'56-M'57), Assoc., Staff Mem.,

 Genl. Precision Lab., Inc., Pleasantville, N. Y.

 EGOLF, RICHARD S. (SM'53), Supvr., Program Radiophoto Dept., RCA Communications, Inc., 66 Broad St.,

 New York 4, N. Y.

- EGRI, EMMERY (A'47), Y. Wallenbert--Utica 5, Budapest,
- Hungary.
 EGTVEDT, M/RON D. (M'55), Project Engr., GE Co., Syracuse, N.Y.
- racuse, N.Y.
 EHLER, WALTER M. (M'56), Electronics Technician, Army
 Electronics Proving Ground, Ft. Huachuca, Ariz.
 EHLERS, ERWIN A. (S'57-M'58), Electronics Engr.,
 Emerson Electric Mfg. Co., B100 W. Florissant, St.
 Louis 15, Mo.
- Louis 15, Mo.

 EHLERS, G. MILTON (SM'55), Secy, & Treas., Wisconsin Pharmacal Co., 217 N. Water St., Milwaukee 11, Wis.

 EHLERS, MARVIN W. (A'5B), Field Engr., Systems Div.,

 Beckman Instruments, 325 N. Muller, Anaheim, Calif.

 EHNBORG, AKE V. (A'54), Telefonaktlebolaget, L. M.

 Ericsson, Stockholm 32, Sweden.

- EHNI, FRIEDRICH P. (A'55), Electronic Scientist, Holloman Air Development Center, Holloman AFB, N. M.
 EHRBAR, R. D. (SM'46), Transmission Systems Dev. Engr., Bell Tel. Labs., Murray Hill, M. J.
 EHRENFRIED, ALBERT D. (SM'53), Pres., Tech. Marketing Associates, Inc., Concord, Mass.
 EHRET, ROBERT J. (M'47-SM'53), Sr. Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.
 EHRHART, EVERETT H. (S'47-A'48-M'54), Planning Engr., Western Electric Co., 220 Church St., New York 13, N. Y.

- N. Y.

 EHRICH, WILLIAM G. (A'52-M'58), Engr., Genl. Atronics
 Corn., 1 Bala Ave., Bala Cynwyd, Pa.

 EHRLICH, BENJAMIN F. (M'59), Asst. Research Geophysicist, Humble Oil, Refining Co., Houston, Tex.

 EHRLICH, CHARLES I. (M'55), Mem. Tech. Staff, Space
 Technology Labs., Sycamore Field Office, Miramar, Calif.

 EHRLICH, CHARLES N. (A'30), Consulting Engr., 130 W.

 12 St., New York 11, N. Y.
- EHRLICH, JOEL (A'58), 8860 19 Ave., Brooklyn 14,
- EHRLICH, MORRIS J. (SM'51), Chief Engr., Microwave Radiation Co., Inc., 19223 S. Hamilton St., Gardena, Calif.

- EHRLICH, MORRIS J. (SM'51), Chief Engr., Microwave Radiakion Co., Inc., 19223 S. Hamilton St., Gardena, Calif.
 EHRLICH, NATHAN (A'49-M'55-SM'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.
 EHRLICH, STANLEY L. (A'53-M'58), Systems Engr., Raytheon Mg. Co., Wayland, Mass.
 EHRLICH, WALDRON E. (A'57), Electronics Technician, Bendix Adviation Corp. Eatontown, N. J.
 EHRMAN, LEONARD (A'53-M'59), 1st Lt., Signal Corps, Ft. Hood, Tex.
 EHRMAN, HEIDLE R. (M'57), 641 E. 7 St., Erie, Pa.
 EHRMAN TRAUT, HARRY C. (A'56), Pres., Mechrolab, Inc., Box 431, Menio Park, Calif.
 EIANE, BIRGER (A'55), Microwave Tube Engr., Raytheon Mg. Co., Burlington, Mass.
 EIBECK, ARNOLD C. (S'47-A'52-M'57), Oev. Engr.,
 HMED, GE Co., Syracuse, N. Y.
 EIBSEN, ROBERT L. (M'57), Staff Engr., Prod. Dev.,
 IBM, Poughkeepsle, N. Y.
 EICHEL, JOSEPH H. (A'22-M'44-SM'44), U. S. Electronics Engr., FCC, 215 Carlton Dr., North Syracuse 12, N. Y.
 EICHENBERGER, ROBERT P. (M'59), Electronics Engr., Radio Telemetry Sect. Guidance & Control Lab., Army Ballistic Missile Agency, Redstone Arsenal, Ala.
 EICHENBERGER, NORMAN F. (S'51-A'58), Flec. Engr., Collins Radio Co., Cedar Rapids, Iowa
 EICHENBERGER, NORMAN F. (S'51-A'58), Ars., Prod. Planning Rep., IBM, Poughkeepsle, N. Y.
 EICHENBERGER, NORMAN F. (S'51-A'59), Asst. Engr., Texas Instruments, Instruments, Instruments, Instruments, Instruments, Instruments, Instruments, Inc., 6000 Lemmon Ave., Oallas, EICHER, HAROLO G. (M'56), Chief Engr., Magnetico, Inc., 6 Richter St., East Northport, N. Y.
 EICHERT E., STUART (A'46-SM'53), Pres., Technitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.
 EICHOLZER, ALBERT J. (M'55), Chief Engr., WSYR-AM-FM-TV, 224 Harrison St., Syracuse 2, N. Y.

- EICHOLZER, ALBERT J. (M'55), Chief Engr., WSYR-AM-FM-TV, 224 Harrison St., Syracuse 2, N. Y. EICHWALO, BERNARD (S'41-A'42-M'46-SM'50), Pres., B. Eichwald & Co., Inc., 237 E. 39 St., New York 16, N. Y.
- N. Y.

 EICHWALD, WALTER F. (S'55-M'56), Research Engr., California Institute of Technology, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.

 EICK, MEREDITH K. (A'57), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 EICKHORN, CHARLES R., JR. (S'50-A'51-M'56), Staff Engr., 18M, Kingston, N. Y.

 EIDEM, RALPH H. (A'52), Dir., Electronics Div., Emst & Emst, 231 S. LaSalle St., Chicago 4, Ill.

 EIDEN, GLENNE. (A'51-M'55), Engr., Farmsworth Electronic Co., Ft. Wayne, Ind.

 EIDMAN, FREDERICK E., JR. (M'59), Engr., LMED, GE Co., Utica, N.Y.

 EIDSON, HERBERT G., JR. (A'58), Western Electric Co.

- Co., Utica, N.Y.

 EIDSON, HERBERT G., JR. (A'58), Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 EIDSON, JOHN C. (S'56-M'59), 544 Abbott Rd., East Lansing, Mich.

 EIDSON, JOHN C. (S'56-M'59), 544 Abbott Rd., East Lansing, Mich.

 EIDSON, ROBERT A. (M'55), Head, Airborne Communications, ECM & Identification Sect. (Op-555C), Office of Chief of Naval Operations, The Pentagon, Washington 25, D. C.

 EIERMANN, ROBERT R. (S'46-A'55-M'56), Design Engr., Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 EIGNER, HARRY (SM'55), Project Leader, RCA, Moorestown, N.J.
- town, N.J.

 EIKELMAN, JOHN A., JR. (S'47-A'49-M'55), Dir., Instrumentation Systems Sect., Electronic Systems Development Corp., 1484 E. Main St., Ventura, Calif.

 EIKENBURG, RICHARD 8. (M'56), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 EILER, ALAN H. (S'55-M'56), Semiconductor Engr., Minneapolis-Honeywell Regulator Co., 2835 Nicollet Ave., Minneapolis, Minne.

- Ave., Minieapoirs, Mini.
 Eller, GENE H. (4'56), Box 3160, MCLI, Wright-Patterson AFB, Ohio.
 EllerS, CARL G. (5'47-A'49-M'55), Project Engr., Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, III.
 ElMSINDER, LOUIS W. (4'52), Electronics Engr., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Unio.

 EINOLF, CHARLES W. (A'56-M'58), Project Engr., I8M, Poughkeepsie, N.Y.

 EINSOHN IRWIN A. (A'47-M'55), Engr., CBS Television, 7800 Beverly Blvd., Los Angeles, Calif.

 EISAMAN, L. COBURN (S'46-A'47-M'55), Sect. Head, Stromberg-Carlson Co., 1400 N. Goodman St. Rochester, N.Y.

- N.Y...

 EISELE, EDWARD J. (S'49-A'50), Sr. Project Engr., AC Spark Plug, 1925 E. Kenilworth, Milwaukee, Wis.

 EISELE, JOHN G., JR. (S'55-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 EISELE, WILLIAM A. (S'41-A'44), Chief Engr., The Reflectone Com., Post Rd., Stamford, Conn.

 EISELEIN, JOSEPH E. (A'30-M'38-SM'43), Mgr., Component Parts Design & Application, RCA, Camden 2, N.J.

 EISEMAN, WILLIAM F. (M'58), Engr., Westinghouse Elec. Com., Box 746, Baltimore 3, Md.

 EISEN, DAVID M. (M'56), Genl. Mgr., Engrg. & Mfg., Electron Tube & Component Oiv., Philips Electronics Industries, Ltd., 116 Vanderhoof, Toronto 17, Ont., Canada.

- EISENACHER, PAUL L. (M'56), Project Engr., GE Co., 40 Federal St., West Lynn, Mass.
- receral St., West Lynn, Mass.
 EISENBACH, JEROME (S'54-M'56), Research Engr.,
 Republic Aviation Corp., Farmingdale, N.Y.
 EISENBACH, MARVIN E. (A'53-M'59), Sr. Group Engr.,
 Boeing Airolane Co., 7755 E. L.Marginal Way, Seattle, Wash.
 EISENBEIS, GEORGE W. (A'56), Kanthal Corp., Anelia PI.,
 Stamford, Conn.
- EISENBERG, ALBERT J. (S'48-A'50-M'55-SM'57), V.P., Microtran Co., Inc., 145 E. Mineola Ave., Valley Stream, L.I., N.Y.
- EISENBERG, HAROLD (A'55), Sr. Electronics Design Engr., Applied Research Div., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, III.
- EISENBERG, ISIDDRE (S'47-A'48-M'55), Pres., Remwar Design, Inc., 66 Oey St., New York 7, N.Y. EISENBERG, LAWRENGE (M'56), Sr. Logician, Elecom Div., Underwood Corp., 35-16 36 Ave., Long Island City, N.Y.
- City, N.Y.

 EISENBERG, MARVIN F. (S'51-A'55-M'58), Elec. Engrg.

 Oept., University of Florida, Gainesville, Fla.

 EISENBERG, MORRIS (A'57), Mgr., Electrochem Lab.,

 Lockheed Missiles & Space Div., Sunnyvale, Calif.

 EISENBERG, MORTON (M'58), Elec. Engr., RCA, Camden

- EISENBERG, MORTON (M'58), Elec. Engr., RCA, Camden 2, N.J.

 EISENBERG, MURRAY H. (S'55-M'59), Elec. Engr., Sperry Gyroscone Co., Great Neck, L.I., N.Y.

 EISENBERG, ROBERT M. (M'57), Sr. Dev. Engr., Nuclear Prods., ERCO Div., ACF Industries, Riverdale, Md.

 EISENBERGER, ARTHUR J. (S'49-A'50-M'55), Electronics Engr., Evans Signal Lab., Belmar, N.J.

 EISENGREIN, ROBERT H. (A'54), Dir., Electronics Div., Seneca Falls Machine Co., Seneca Falls, N.Y.

 EISENHARD, STANLEY E., JR. (S'48-A'49-M'55), Engrg. Personnel Suovr., The Bell Tel. Co. of Pennsylvania, 210

 Pine St., Harrisburg, Pa.

 EISENHAUER, FRANCIS E. (S'50-A'51-M'58), Project Engr., Dyna-Empire, Inc., 1075 Stewart Ave., Garden City, L.I., N.Y.
- EISENHUTH, ARTHUR J. (S'57-M'58), Design Engr., Hazeltine Electronics Corp., Little Neck 62, L.1., N. Y. EISENMAN, TREVOR W. (A'54-M'57), Research Engr., Natl. Aeronautics & Space Administration, Box 273, Edwards, Calif.

- EISENMANN, JOHN F. (S'51-A'53-M'58), Sales Engrg., Danco Corp., Fairview Village, Pa. EISENREICH, WILLIAM (S'56-A'59), 118 North Rd., Parkway Gardens, White Plains, N.Y. EISENSCHER, EUGENE S. (M'51), Western Sales Mgr., Lansdale Tube Co., 1435 S. LaCienega Blvd., Los Angeles 46, Calif.
- EISENSCHMIED, MARTIN D. (S'50-A'51-M'56), Electronics Engr., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelohia 29, Pa.
- EISENSTADT, 8ENJAMIN M. (A'52-M'57), Staff Mem., Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 41, Mass.
- Mass.

 EISENSTADT, HARVEY J. (S'57-A'58), 5301 Snyder
 Ave., Brooklyn 3, N.Y.

 EISENSTEIN, ALAN M. (S'54-A'55-M'56), Assoc. Engr.,
 Solid State Computer Logic Design, IBM, Kingston, N.Y.

 EISENSTEIN, AMRAM M. (S'50-A'51-M'56), Electronics
 Engr., Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd.,
 Los Angeles 45, Calif.

- Los Angeles 45, Calif.

 EISENSTEIN, NATHAN I. (A'55), Electronics Engr., Kybernetes Div., Hagan Chemicals & Controls, 80x 1346, Pittsburgh, Pa.

 EISHEN, DALE E. (A'57), Electronic Dev. Engr., Goodyear Aircraft Corp., Akron 15, Ohio.

 EISLER, GEORGE (S'48-A'51-M'56), Pres., Eisler Associates, 242 S. Revford Dr., Beverly Hills, Calif.

 EISLER, JOSEPH D. (SM'52), Research Sect. Supvr., Pan-American Petroleum Corp., Tulsa, Okia.

 EISNER, PHILIP N. (M'58), Physicist, ITT Labs., Nutley 10, N, J.
- EISNER, WILLIAM (A'48-M'53), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. EITCHES, IRVING (M'53-SM'57), Subvy. Electronics Engr., Rome Air Development Center, Griffiss AF8, N.Y.
- EITEL, WILLIAM W. (A'39-SM'52-F'53), Pres., Eitel-McCullough, Inc., 798 San Mateo Ave., San Bruno, Calif.
- EITER, WILLIAM F. (A'54), Research & Dev. Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio
- ElWEN, CHARLES J. (SM'59), Project Supvr., American Machine & Foundry Co., 1025 N. Royal St., Alexandria, Va. EKBERG, JACK V. (M'58), Research Engr., No. Amer. Aviation, Internati. Airport, Los Angeles 45, Calif. EKELOF, STIG (SM'56), Pmf., Theoretical Electricity & Elec. Measurements, Chalmers Univ. of Technology, Gibraltargatan 5 P, Goteborg S, Sweden.
- EKEROOT, STIG (A'53), V.P.-in-chg., Research & Dev., Electronic Research Corp. of America, 5115 Westheimer Rd., Houston 27, Tex.
- EKISS, JOHN A. (5'56-M'59), Engr., Transistor Applica-tions, Lansdale Tube Co., Lansdale, Pa. EKLUND, ARNOLD M. (M'56), Electronics Engr., 8omac Labs., Salem Rd., 8everly, Mass.
- EKLUND, KARL E. (M'58), 66 Cliff Ave., Hempstead,

- E.I., N.Y.

 EKLUND, MELVIN H. (M'56), Sr. Engr., Sprague Electric Co., S. Mooney Blvd., Visafia, Calif.

 EKPARIAN, JOHN (S'49-A'50-M'55), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 EKSTEN, DENNIS G. (S'55-M'58), Electronics Dev. Engr., Barber-Colman Co., 1300 Rock St., Rockford, Ill.

 EKSTRAND, PHILIP A. (S'32-A'34-SM'46), Head, Navigation & Communication Branch, Design Div., Code 273, Mare Island Mavia Shipyard, Vallejo, Calif.
- EKSTROM, JOEL L. (M'58), Sr. Engr., Westinghouse Electronics Div., Baltimore, Md.
- Electronics Div., 8altimore, Md.
 EL-ABIAD, AHMED H. (M'56), Asst. Prof., Elec. Engrg.,
 Purdue Univ., West Lafayette, Ind.
 ELAM, EDWARD M. (S'50-A'52-M'57), Field Engr.,
 Western Electric Co., Wirston-Salem, N.C.
 ELAM, FRANK E. (A'48-M'55), Electronics Engr.,
 USN' Dept., Washington 25, D.C.

- ELAM, JAMES M. (M'56), Research Engr., Lockheed Missile Systems Div., Sunnyvale, Calif. ELAM, LEWIS A. (A'56), Radio Engr., WIRK Ken-Sell, Inc., Flager Dr., West Palm Beach, Fla. ELAM, OSCAR R., JR. (M'58), 618 E. Hermosa, Santa Maria, Calif.
- ELAM, TALMADGE W. (A'54-SM'58), Mem. Sr. Staff, The Ramo-Wooldridge Corp., Box 5073, Denver 17, Colo
- Colo.

 ELAND, PAUL D. (S'48-A'50-M'55), Project Engr.,
 Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J.

 ELAND, ROBERT C. A. (M'48-5M'59), Genl. Mgr. &
 Dir., Engrg., Standard Coil Prods., Inc., 2100 N. Soto,
 Los Angeles, Calif.

- Los Angeles, Calif.

 ELAZARI, HANOCH (A'57), Design Engr., Engr. Radio Services, Haifa, Israel.

 ELBERGER, MARTIN (A'57), Component Application Engr., Hughes Alroraft Co., Culver City, Calif.

 ELBERT, CHARLES H. (S'48-A'49-M'55), Project Engr., ITT Labs., Nutley 10, N.J.

 ELBINGER, BERNARD (S'49-A'50-M'55), Head, Instrumentation Sect., Rheem Semiconductor Corp., 327

 Moffett Blvd., Mountain View, Calif.
- ELBINCER, LEWIS P. (S'46-M'49-SM'53), Patent Atty., GE Co., Computer Dept., 13430 N. Black Canyon Hwy., ELBOURN, ROBERT D. (S'40-A'41-M'48), Chief, Components & Techniques Sect., Data Processing Systems Div., Natl. Bureau of Standards, Washington 25, D.C.
- ELCAN, WILLIAM C. (M'56), Mgr., Elec. Equipment Sales, Aviation Oefense Industries Sales Dept., GE Co., 2600 Far Hills Ave., Dayton 1, Ohio.
- ELCHAK, JOHN, JR. (M'58), Communications Programming & Requirements, USAF, Hors. 2AF, Barksdale AF8, La. ELCOCK, GERALD C. (S'54-A'55), 11 Bardon St., Madison, N.J.
- Madison, N.J.

 EL DEMERDACHE, ABDEL RAHIM M. (M'59), Dir.,
 Societe Technique de Travaux, 13, Abdel Khalek
 Saroit-St., Cairo, Egypt.

 ELDER, CLARENCE B. (A'56), Electronics Field Engr.,
 IBM, c/o SDC, 2500 Colorado Ave., Venice, Calif.
- ELDER, HARRY E. (A'54), Mem. Tech. Staff, 8ell Tel. Labs., Murray Hill, N.J.

- ELDER, LEE D. (M'59), Aeronautical Research Engr., Oeot. of Army, Redstone Arsenal, Ala. ELDER, THOMAS A. (SM'45), Consulting Engr., Power Tube Dept., GE Co., Schenectady, N.Y. ELDERKIN, CHARLES J. (S'48-A'50-M'55), Patent Atty., Hotel Belmont Plaza, 49 & Lexington Ave., New York 22, N.Y.
- BLDERKIN, CRAIG D. (S'48-A'50-M'55), Mgr., Hawaii Branch, RCA Service Co., Camden 8, N.J. ELDERS, DANIEL S. (A'53-M'58), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- ELDON, CHARLES A. (M'55), Prod. Mgr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. ELDRED, W. NOEL (S'32-A'35-SM'45), V.P., Mktg., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto,
- Calif.

 ELDREDGE, ARNOLD L. (S'47-A'52-SM'57), Consulting Engr., GE Co., 601 California Ave., Palo Alto, Calif. ELDREDGE, EARLE E. (A'31-VA'39-SM'52), Mgr., Projects Debt., Electronic Defense Lab., Sylvania Elec. Prods., Inc., 123 N. Whisman Rd., Mountain View, Calif. ELDREDGE, KENNETH R. (SM'54), Asst. Dir., Engro. Div., Stanford Research Institute, Menlo Park, Calif. ELDRIDGE, ARTHUR J. (M'57), Suppr., Univ. of California Radiation Lab., Box 808, Livermore, Calif. ELDRIDGE, ARTHUR J. (S'49-A'51-M'56-SM'56), Group Engr., Martin Co., Box 179, Denver 1, Colo. ELDRIDGE, DONALD F. (A'50-M'55), Stalf Engr., Ampex Corp., 934 Charler St., Redwood City, Calif. ELDRIDGE, GEORGE C., JR. (A'53), Plant Engr., Bell Tel. Co. of Pennsylvania, 1317 Filbert St., Philadelphia 7, Pa.

- ELDRING, MANFRED P. (S'58-M'59), Engr., Hydro Electric Power Commission of Ontario, 620 University Ave., Toronto, Ont., Canada.
- Office, Caladas.

 LEFANT, JACK (A'52-M'57), Engr., Airborne Instrument Labs., 160 Old Country Rd., Mineola, L.I., N.Y.

 ELFRITZ, JOSEPH F. (S'57-M'59), Elec. Engr., Appalachian Power Co., Point Pleasant, W. Va.

 ELFE, THOMAS B. (SM'57), Engr., Sperry Electronic Tube Div., Gainesville, Fla.
- ELFERS, PAUL L. (M'56), Engr., Seattle City Light, 1015 3rd Ave., Seattle, Wash.

- 3 rd Ave., Seattle, Wash.

 ELFVING, A. LENNART (A'49-M'56), Head, Special Research Group, Research Institute of Natl. Defense, Stockholm 80, Sweden.

 ELFVING, CLAES T. (A'54), Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif.

 ELGERD, OLLE I. (SM'59), Assoc. Prof., Elec. Engrg. Deat., Univ. of Florida, Gainesville, Fla.

 ELGIN, JAMES H. (S'57-M'58), Dev. Engr., Westem Electric Co., Winston-Salem, N.C.

 ELGUEZABAL, INAKI I. (M'57), Pres., Sistemas Electros, C.A. Edif. Industria, of 48, Peligro a Puente Republica, Caracas, Venezuela.

- Caracas, Venezuela.

 EL-HADIDY, SALEH A-W, (M'58), 8 Ismail Ei-Falaky, Cairo, Zaher, Egyot.

 EL HARTY, AHMED K. (M'53), Head, Telecommunications Projects, CAA, 26 July St., Cairo, Egyot.

 ELHOFF, WILLIAM C. (S'53-A'54), Project Engr., GE Co., Syracuse, N.Y.

 ELIADES, JAMES (S'55-M'56), Mem. Tech. Staff, Aeronutronic Systems, Inc., 2701 Halladay St., Santa Ana, Calif.
- Calif.

 ELIANDER, HARRY F., JR. (S'49-A'50-M'56), Mgr. & Engr., Progress Electronics of Oregon, 8768 S.W. Scholls Ferry Rd., Beaverton, Ore.

 ELIAS, JOHN (S'56-M'57), Elec. Engr., No. Amer. Aviation, Downey, Calif.

 ELIAS, LOUIS G. (S'42-A'44-SM'53), Mem. Tech. Staff, 8elf Tel. Labs., Whippany, N.J.

 ELIAS, PETER (S'48-A'51-M'56-F'59), Assoc. Prof., MIT. Cambridge 39, Mass.

 ELIASBERG, DAVID (S'57-A'57), TV Broadcast Engr., WJBK-TV, 7441 2nd, Oetroit 2, Mich.

- ELIASON, MARCUS C. (SM'52), Genl. Sales Mgr., Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.

 ELIASSEN, KARL E. (A'57), Radio Engr., Paris Engro. Center, 40 Rue de Sevres, Boulogne-Billancourt, Seine, France.
- ELICES, FRANCISO J. (A'51-M'56), Industrial Engr., Univ. of Montevideo, Julio M. Sosa, 21B5, Monte-video, Uruguay.

- orn's orn's

- Bionder-Longue Electronics, Inc., 9 Alling St., Newark 2, N. J.

 ELKAN, JURGEN (S'50-A'51-M'55), Staff Engr., Hycon Eastern. Inc., 75 Cambridge Pkwy., Cambridge, Mass.

 ELKASHLAN, ELGARRI I. (A'55), Genl. Controller, Egyptian State Broadcasting, 4, Sharia Sherifein, Cairo, Egypt.

 ELKIN, BERNARD P. (A'53-M'58), Pres., Boston Pneumatic Tool Co., 365 Arlinaton Ave., Brooklyn B. N.Y.

 ELKIN, HERBERT S. (S'53-A'54), Pres. Tech. Testing, Inc., 12927 S. Budlong Ave., Gardena, Calif.

 ELKIND, JEROME I. (S'51-A'53-M'58), Sr. Engr., Bolt Beranek & Newman, Inc., 50 Moulton St., Cambridge, Mass ELKIND, PHILIP (A'57), Sr., Lab., Technician, Panoramic Radio, Inc., 520 S. Filton St., Mi, Vemon, N. Y.

 ELKINS, CLARENCE E. (S'58-M'59), Jr., Project Engr., Lynch Carrier Systems, Inc., 695 Bryant St., San Francisco, Calif.

- cisco. Calif.
- cisco, Calli.
 ELKINS, CLAUDE C., JR. (M'47), Pres., Elkins School of Electronics, 3605 Regent Dr. Dallas 29. Tex.
 ELKINS, EDGAR P. (S'55-M'57), Engr., Sandia Corp., Sandia Base, Albuquerue, N. M.
 ELKINS, ROY A. (S'49-A'50-M'55), GE Co., Syracuse,

- N.Y

 ELKORT, DONALD S. (M'59), Assoc. Engr., Sperry
 Gyroscope Cs., Great Neck L.! N Y

 EL KOTOURY, AHMED S. (A-52-M'5B), Service Mgr.,
 Philips Orient S. A., 26 Adly Pasha, Cairo, Egypt.

 ELLEFSON, BENNETT S. (A'3B-M'44-F'4B), V.P.,
 Tech. Planning, Sylvania Elec. Prods., Inc., 1740

 Broadway, New York 34, N.Y.

 ELLEFSON, GEORGE E., JR. (S'53-A'55), Elec. Engrg.
 Assoc., Erhart, Eichenbaum, Rauch & Blass, 201 Chester,
 Little Rock, Ark.

 ELLEN, NORMAN A. (SM'57), Assoc. Sect. Head. Genl.
- Little Rock, Ark.

 ELLEN, NORMAN A. (SM'57), Assoc. Sect. Head. Genl. Precision Lab., Inc., 63 Bedford Rd., Pleasantville, N.Y. ELLEN, STEPHEN T. (M'53), Principal Engr., Bendix Radio, Baltimore 4, Md.

 ELLENWOOD, DONALD S. (S'57-A'58), Jr., Elec. Engr., Dryden Paper Co., Ltd., Dryden, Omt., Canada. ELLEN, JAMES E., JR. (S'51-A'53-M'55-SM'5B), Electronics Engr., Norfolk, Naval Shipyard, Portsmouth, Va.

- CONTROLLE STORY, NOTOR NAVING AND STORY OF THE STORY OF T
- Rd., Cheyenne, Wyo.
 ELLERMEIER, ROBERT D. (S'54-A'55), Dir., Electron
 Device Lab., Research Foundation, Univ. of Kansas,
- ELLERN, FELIX (M'56), Dev. Engr., Victory Engrg.
 Corp., Springfield Rd., Union, N.J.
 ELLERSICK, FRED W. (M'57), Staff Engr., IBM, Kingston,

- N.Y.
 ELLERSTON-JONES, E. K. (A'58), 22 Northfield Rd.,
 Scarborough, Ont., Canada.
 ELLERT, CHARLES A. (A'46-M'55), Pres., Kann-Ellert
 Electronics, Inc., 13 S. Howard St., Baltimore 1, Md.
 ELLESWORTH, GEORGE (SM'53), Sr., Lecturer in Elec.
 Engrg., Univ. of Adelaide, N., Terrace, Adelaide, South
 Australia.
- RUSTRIAL ALEXANDER (SM'48), V.P., Research, Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III. ELLINGBOE, JULES K. (S'49-A'50-M'56), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.
- 45, Calif.

 ELLINGSON, ANDREW C. (M'56), Elec. Engr. (Design), Sandia Corp., Sandia Base, Albuquerque, N. M.

 ELLINGTON, JAMES E. (A'5B), Field Service Rep., GE
 Co., Box. 4247, Wright.-Patterson AFB, Ohio.

 ELLINS, VICTOR (S'54-A'55-M'57), Computer Engr.,
 Sylvania Data Systems Operations, 1B9 B St., Needham,
 Mass.

- Mass.

 ELLINTHORPE, ALAN W. (A'55), Engr. Raytheon Mfg.
 Co., Wayland, Mass.

 ELLIOT, WILLIAM H. (M'45), Dev. Supvr., Cutler-Hammer,
 Inc., 315 N. 12 St., Milwaukee 1, Wis.

 ELLIOTT, ALFRED W. D. (A'43-M'53), Supvg. Engr.,
 Trunk Design, Bell Tel. Co. of Canada, 393 University
 Ave., Toronto, Ont., Canada.

 ELLIOTT, CHARLES T. (S'5B-M'59), Electronics Engr.,
 U. S. Govt., CM Evans Area, Ft. Monmouth, N. J.

 ELLIOTT, OAVID T. (A'56), Salesman, Chas. L. Thompson, Ltd., 3093 Woodbine Dr., North Vancouver, B. C.,
 Canada.

- Canada.

 ELLIOTT, GEORGE (SM'57), Chief Engr., Elliott Engrg.
 Co., 33 Litchfield St., Rochester 8, N. V.

 ELLIOTT, HAROLD A. (M'5B), Physicist, California Technical Industries, Belmont, Calif.

 ELLIOTT, HAROLD F. (M'25-SM'43-F'51), Consulting Engr., 800 Westridge Dr., Menio Park, Calif.

 ELLIOTT, HARRY R. (S'57-A'59), 5428 Kirkwood Pl., Seattle 3, Wash.
- ELLIOTT, HENRY H., JR. (5'49-A'52-M'5/), Assoc. Engr., The Johns Hopkins Applied Physics Lab., Silver Spring, Md.

- ELLIOII, HERBERI M. (5'49-A'51-M'56), Mgr., Prod. Line Engrg., Electronic Data Processing Div., RCA, Cam-den, N. J.
- den, N. J.

 ELLIOTT, HOWARD R. (M'49), Chief Engr., WQUA, Moline, III., WQUB, Galesburg, III., KBIZ, Ottumwa, Iowa.

 ELLIOTT, ISAAC (A'55), Mng. Dir., The Elliott Radio Mfg.
 Co., Ltd., B7 Senhouse St., Maryport, Cumberland, England.
- land.
 ELLIOT, JAMES E. (S'52-A'55-M'57), Sr. Design
 Engr., Convair, Ft. Worth, Tex.
 ELLIOTT, JOHN O. (A'46-M'55), Mem. Tech. Staff,
 Flight Test Operations, Space Technology Labs., Patrick
 AFB, Fla.
- AFB, Fla.

 ELLIOTT, LOUIS D. (S'55-M'56), Elec. Engr., A.I.L.,
 U.S. Naval Air Development Center, Johnsville, Pa.
 ELLIOTT, MAX S. (A'59), Chief Radio Engr., County of
 Orange, 12502 Placentia, Orange, Calif.
 ELLIOTT, NORMAN J. (S'48-A'50-M'55), Staff Mem.,
 Sandia Corp., Sandia Base, Albuquerque, N.M.
 ELLIOTT, PAUL C., JR. (S'49-A'50-M'56), Design Engr.,
 Lockheed Aircraft Corp., Box 504, Sunnyvale, Calif.
 ELLIOTT, RAYMOND W. (M'5B), Project Engr., Motorola
 Inc., WMEC. N. 56 St., Phoenix, Ariz.
 ELLIOTT, REX T. (A'55), Regional Sales Mgr., Pacific
 Semiconductors, Inc., 10451 W. Jefferson, Culver Ctiy,
 Calif.
 ELLIOTT, RICHARD J. (S'64-MIST)

- ELLIOTT, RICHARD J. (S'56-M'57), Field Supvr., GE Co., Schenectady, N. Y.
- Schencetady, N. Y.
 ELLIOTT, ROBERT S. (S'51-A'52-SM'54), Tech. Dir.
 & V.P., Rantec Coro., Calabasas, Calif.
 ELLIOTT, RONALD E. (S'53-A'55), Field Engr.,
 Natl. Scientific Labs., Inc., 2010 Massachusetts
 Ave., Washington 6, D.C.
- Natl. Scientific Labs., Inc., 2010 Massachusetts
 Ave., Washington 6, D.C.

 ELLIOTT, ROY G. (M'56), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 ELLIOTT, STANLEY J. (S'37-A'39-VA'39-M'55), Military
 Systems Dev. Engr., Bell Tel., Labs., Whippany, N. J.

 ELLIOTT, WARREN A. (M'57), Microwave Engr., Wheeler
 Labs., Inc., Box 561, Smithtown, N.Y.

 ELLIOTT, WILLIAM G. (S'56-M'57), Jr., Pilysicist, BairdAtomic, Inc., 33 University Rd., Cambridge, Mass.

 ELLIOTT, WILLIAM S. (A'53-SM'58), Engr., Collins
 Radio Co., Cedar Rapids, Iowa.

 ELLIS, TWILLIAM S. (A'55-SM'58), Engr., Collins
 Radio Co., Cedar Rapids, Iowa.

 ELLIS, ALBERT E., JR. (S'55-M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.

 ELLIS, ALBERT E., JR. (S'55-M'58), Assoc. Prof.,
 Applied Mechanles, California Institute of Technology,
 1201 E. California St., Pesadena S., Calif.

 ELLIS, ALLEN R., (A'3-M'50-SM'53), Staff Scientist,
 Lockheed Aircraft Corp., Sunnyvale, Calif.

 ELLIS, ALVIN (M'58), Elec. Engr., The Firestone Tire
 & Rubber Co., Guided Missile Div., 2525 Firestone
 Blvd., Los Angeles 54, Calif.

 ELLIS, BENJAMIN E. (S'50-A'52-M'56), Test Engr.,

- Bivd., Los Angeles 54, Calil.
 ELLIS, BENJAMIN E. (S'50-A'52-M'56), Test Engr.,
 Minneapolis-Honeywell Regulator Co., 1400 Soldiers
 Field Rd., Boston, Mass.
 ELLIS, BERNARD T., JR. (S'42-A'44-SM'48), Exec.
 Engr., ITT Labs., Nutley 10, N. J.
 ELLIS, BETTY JO (M'55), Analyst, U. S. Govt., Washington 25, D. C.

- ton 25,0. C. .
 ELLIS, C. RICHARD (A'4B-M'55), Project Engr., GE 70., Syracuse, N.Y.
 ELLIS, CALVIN L. (A'50-SM'56), Engr., GE Co.,
- ELLIS, CHARLES E., JR. (M'59), Electronics Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.
- ELLIS, CHARLES O. (M'51), Geni. Supt. of Communic & Signals, Rock Island Lines, 916 La Salle St. Sta., Chicago 5, III.

- Chicago 5, III.

 ELLIS, DAVID J. (S'55-M'59), Jr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 ELLIS, DAVID O. (M'57), Dir., Research, Computer & Control Systems, Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 ELLIS, DOUGLAS G. (A'46), Dir., Joint Apprenticeship & Training Comm., Northwest Line Construction Industry, Natl. Elec. Contractors Ass. & Internatl. Brotherhood of Electrical Workers, 4004 S.W. Barbour Blvd., Portland 1, Ore.

- Natl. Elec. Contractors Ass. & Internatl. Brotherhood of Electrical Workers, 4004 S.W. Barbour Blvd., Portland 1, Ore.

 ELLIS, FRANKLIN H. (S'57-M'59), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 ELLIS, FRED W. (S'47-A'48-M'55), Staff Engr., Servo Corp. of America, 2020 Jericho Tpke., New Hyde Park, L.I., N.Y.

 ELLIS, GEORGE M. (A'42-SM'52), Staff Engr., Convair, Pomona, Calif.

 ELLIS, GEORGE W. (M'57), Engr., GE Co., HMED, Cape Canaveral. AF MTC. Fla.

 ELLIS, GERALD A. (A'50), Electronics Sales Engr., Norman W. Kathrinus & Co., 4356 Duncan, St. Louis 10, Mo.

 ELLIS, HENRY G. (M'56), Sr. Flight Test Engr., Convair, Ft. Worth, Tex.

 ELLIS, HOMER J., JR. (A'47-M'55), Engr., GE Co., Ulica, N.Y.

 ELLIS, IRA, JR. (S'54-M'57), Assoc. Engr., IBM, Box 218, Yorktown Heights, N.Y.

 ELLIS, IRVING M. (A'44-M'46), Regional Mgr., GE Co., 565 Broadway, Redwood City, Calif. ELLIS, J. WAYNE (M'59), Electronics Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 ELLIS, JACK M. (S'56-M'57), Logic Designer, Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif. ELLIS, JAKES A. (A'57), Service Engr., Remigton Rand Univac, St., Paul 16, Minn.

 ELLIS, JOHN R. (M'56), Sr. Oev. Engr., Eastman Kodak Co., 212 Lincoln Ave., Rochester 11, N.Y.
- Rand Univac, St. Paul 16, Minn.
 ELLIS, JOHN R. (M'56), Sr. Oev. Engr., Eastman Kodak
 Co., 121 Lincoln Ave., Rochester 11, N.Y.
 ELLIS, JOHN R., JR. (S'57-M'58), Field Engr., Hughes
 Aircraft Co., Culver City, Calif.
 ELLIS, JOHN W., JR. (S'44-A'45-M'55), Engr., The
 Rand Corp., 1700 Main St., Santa Monica, Calif.
 ELLIS, LE ROY C. (A'54), Engr., GE Co., 316 E. 9 St.,
 Owensboro, Ky.

- ELLIS, LYNN W., JR. (S'4B-A'49-M'55), Engr., Internat! Standard Electric Corp., 67 Broad St., New York 4, N. Y. ELLIS, NORMAN (A'59), Electronic Technician, Telechrome Mfg. Co., Amityville. L.I...N.Y. ELLIS, PAUL R., JR. (S'57-M'59), 3015 Viola Dr., S.W.. Albuquerque. N.M. ELLIS, PAUL V. (A'43-M'55), Staff Engr., Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland 5, Ore.

- See: ELLIS , PHILLIP H. (S'49-A'53-M'55-SM'57), Engr., Sperry Gyroscope Co.. Great Neck, L.I..N.Y. ELLIS, RAYMOND G. (A'59), 1B Washington Ave., Chatham, N.J.
- ELLIS, RICHARD T.JR. (S'43-A'45-M'55), Project Engr., Applied Physics Lab., John Hopkins Univ., Silver Spring, Md.
- ELLIS, ROBERT (A'53-M'57), Dev. Engr., ITT Labs., Nutley 10, N. J.
- Nutley 10, N. J.

 ELLIS, ROBERT (M'57), Chief Engr., Thalia Hi Fi Audio Co., 250 W., 95 St., New York 25, N.Y.

 ELLIS, ROBERT E., 'A'43-M'50-SM'55), Lab. Dir., Aero Geo Astro Corp., 12:00 Duke St., Alexandria, Va.

 ELLIS, ROBERT E. (A'3), Flectronics Engr., Internat., Research & Development Corp., 6150 Huntley Rd., Worthighton China.

- ington, Ohio

 ELLIS, ROBERT H. (A'51-M'56), Staff Mem., Lincoln
 Lab., MiT, Lexington 73, Mass.

 ELLIS, ROBERT M. (M'47-SM'51), Owner, independent
 oil producer, 5942 E. 24 St., Tulsa 14, Okla.

 ELLIS, ROGER J. (S'54-M'57), Electronics Engr.,
 Vitro Corp. of America, Eglin AFB, Fla.

 ELLIS, RUTHERFORD L., JR. (M'54), Sr. Aircraft
 Instrumentation Engr., Lockheed Aircraft Corp., Atlanta 5,
 Ga.
- Ga. .
 ELLIS , SAMUEL S . (S'50-A'52-M'57), Engr. , GE Co. ,
 Syracuse , N.Y.
 ELLIS , THOMAS E . , JR. (S'43-A'4B-M'54), Telephone
 Engr. , Stromberg-Carlson Co. , 100 Carlson Rd . , Rochester
 3 , N.Y.
- 3, N.Y.

 ELLIS, THOMAS O. (M'56), Engr., Rand Corp., 1700
 Main St., Santa Monica, Calif.

 ELLIS, WALTER R. (S'50 A'53-M'57), Test Equipment
 Engr., Transitron Electronic Corp., 16B Albion St.,
 Wakefield, Mass.

 ELLIS, WARD (S'54-M'58), Research Engr., Lockheed
 Missiles & Space Div., Sunnyvale, Calif.

 ELLISON, BENJAMIN (S'55-M'57), Eupyr., Reliability
 Operations Control, Internatl. Electric Corp., Box 2B5,
 Paramus, N.J.

 ELLISON, BOBBY P. (S'56-M'57). Elec Engr. Kaiser

- Paramus, N.J.

 Paramus, N.J.

 ELLISON, BOBBY P. (S'56-M'57), Elec. Engr., Kaiser Aluminum & Chemical Corp., Ravenswood, W. Va.

 ELLISON, GEORGE C., JR. (A'44-M'50), Myr., Radio Specialty Myg. Co., 2023 S. E. 6 Ave., Portland 14, Ore.

 ELLISON, JACK L. (A'54), Electronics Engr., Ship Branch, Pearl Harbor Naval Shipyard, Code 280, USN 12B, FPO San Francisco, Calif.

 ELLISON, MAX, JR. (S'4B-A'49-M'55), Video Tape Recording Maint. Engr., NBC, 3000 W. Alameda, Burbank,
- Record Calif.
- ELLISON, ROBERT M. (M'58), Research & Dev. Engr., Motorola, Inc., 2710 N. Clybourn Ave., Chicago 14, III. ELLISON, THOMAS A. (M'56), Radio Engr., United Air Lines, United Airlines Maint. Base, South San Francisco,
- ELLITHORN, HAROLD E. (A'36-M'44-SM'46), Head Elec. Engrg. Dept., Univ of Notre Dame, Box 1413, Notre Dame, Ind.

- Ind.

 ELLMER, PAUL J. (S'57-M'58), Box 310. Biloxi. Miss.

 ELLS, JAMES V. (M'59), Electronic Supvr., FAA, Box
 440, Anchorage. Alaska.

 ELLSTROM, RICHARD V. (A'54), Field Engr., Tektronix,
 Inc., 7000 E. Camelback Rd., Scottsdale, Ariz.

 ELLSWORTH, ALLAN R. (A'41-M'55), Pres., Research
 Craft Co., 1011 N. Fuller, Los Angeles 46, Calif.

 ELLSWORTH, EARLA., JR. (A'57), Chief Engr., Middlesex
 Broadcasting Corp., 439 Concord Ave., Cambridge, Mass.
- Broadcasting Corp., 439 Concord Ave., Cambridge, Mass. ELLSWORTH, JOHN L. (S'52-M'56), Design Engr. IBM, Kingston, N.Y.
 ELLSWORTH, ROBERT L. (A'50-M'55), Sr. Systems Engr., Lockheed Aircraft Corp., Sunnyvale, Calif.
 ELLSWORTH, ROBERT T., JR. (A'5B), Mkto, Rep., IBM, 1111 Connecticut Ave., N. W., Washindton 6, D. C.
 ELLSWORTH, WILLIAM C. (A'26-M'35-SM'43), Hors. Engr., Westinghouse Broadcasting Co., Inc., 122 E. 42 St., New York 17, N.Y.
 ELLWOOD, WALTER B. (SM'57), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.
 ELMENDORF, CHARLES H. (A'40-SM'4B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 ELMENDORF, D. E. (A'43-M'55), Myr., Lamp Engrg.

- Staff, Bell Tel. Labs... Murray Hill, N.J.

 ELMENDORF, D. E. (A'43-M'55), Marr, Lamp Engrg.
 Research Lab., EC Co., Nela Park, Cleveland 12, Ohio.

 ELMESHAD, YAHIA A. (A'54), Mem., Mission in USSR of United Arab Republic AEC, Eldokky, Cairo, Egypot.

 ELMORE, CLARENCE M., JR. (S'49-A'50-M'55), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 ELMORE, HOWARD J. (S'52-A'53-M'54), Electronics Engr., USAF Armament Center, Eglin AFB, Fla.

 ELMORE, WILLIAM B. (A'52-M'58), Sr. Planning Rep., 1BM, 590 Madison Ave., New York, N.Y.

 ELMS, JAMES C. (SM'56), V.P., Electronic Systems Engrg., Avco Mig. Com., Crosley Div., 1329 Arlington St., Cincinnati 25, Ohio.

 ELNE CARAD, ERIK (A'46), Pres., Bravour Radio Corp.,

- St., Cincinnati 25, Ohio

 ELNEGAARD, ERIK (A'46), Pres., Bravour Radio Corp.,
 Buddingevej 312-16 Soborg, Denmark.

 ELOVIC, ALEXANDER (M'57), Sr. Engr., Ford Instrument
 Co., 31-10 Thomson Ave., Long Island City, N.Y.

 ELOWE, EDMOND N. (M'57), Electronic & Microwave
 Sales, Sylvania Elec. Prods., Inc., Woburn, Mass.

 EL-SABBAGH, HASSAN H. (M'55-SM'58), Asst. Prof.,
 Case Institute of Technology, 10900 Euclid Ave., Cleveland 6, Ohio.
- land 6, Ohio.

 EL-SAID, MOHAMED A.H. (SM'48), Prof., Communication Engra., Faculty of Engrg., Cairu Univ., Glza, Caira, Esynt. ELSBREE, WILLIAM F. (S'58-A'59), Elec. Engr., IBM, Owego, N.Y.

 ELSEA, IRA W. (M'45), Asst. V.P., Plans, Methods & Lines, Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 ELSENBROEK, MARTIN C. (S'57-A'58), 21-28 45 St., Long Island City 5, N.Y.

- ELSER, ALPHONSE C. (A'54), Electronics Engr., U.S. Army Signal Equipment Supply Agency, Coles Area, Red Army Signal Bank, N.J.
- ELSKEN, RICHARD H. (A'46-M'55), Electronics Scientist, Western Utilization Research & Dev. Div., U.S. Dept of Agriculture, 800 Buchanan St., Albany 10, Calif.
- ELSNER, RALPH W. (SM'53), Lab. Mgr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz. ELSNER, RAYMOND F. (S'49-4'54-M'59), Project Engr., Motorola, Inc., 1450 N. Cicero, Chicago 51, III.
- MULTION ARNOLD C. (A'56), Contractual Administrator, Hazeltine Electronics Corp., 59-25 Little Neck Pkwy., Little Neck., L.I., N.Y. ELSPAS, BERNARD (S'46-A'4B-S'53-A'55'M'56), Sr. Research Engr., Stanford Research Institute, Menlo Park, Calif.

- ELSSNER, EGON H. (M'58), Future Dev. Engr., Tektronix, Inc., Portland, Ore. ELSTER, SAMUEL (S'49-A'51-M'5/), Research Specialist, Lockheed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.

- ELSTER, SAMUEL (S.'49-A'51-M'5'), Research Specialist, Lockheed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.

 Lockheed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.

 ELSTON, GEORGE F. (SM'57), Engrg. Group Leader RCA, Harrison, N.J.

 ELTGROTH, MATTHEW J. (M'54-SM'56), Instr., DeVry Tech. Institute, 41.41 W. Belmont Ave., Chicago 41, III.

 ELVAN, MAURICE (S'48-A'52-M'57), Sr. Electronics Engr., ARDE Associates, 75 Austin St., Newark 2, N.J.

 ELVIDGE, RONALD E. (A'56), Asst. Ppof., Elec. Engrg., Dept., Detroit Institute of Technology, College of Engrg., 2020 Witherell St., Detroit 26, Mich.

 LLVY, MONTAGU T. (SM'55), Joint Mor., Chief Engr., Pye., Ltd., 28 James St., Cambridge, England.

 ELWELL, AUBREY T. (A'55), Radio Mechanic, N.W. T. & Radio System, MPO 1315, Edomotron, Alta., Canada.

 ELWELL, AUBREY T. (A'55), Radio Mechanic, N.W. T. & Radio System, MPO 1315, Edomotron, Alta., Canada.

 ELWELL, HENRY G., JR. (A'47-M'55), Asst. Sr. Engr., Eclipse-Pioneer Div., Teterboro, N.J.

 ELWELL, WALTER G. (M'56), Asst. Prof., Physics, Nebraska Wesleyan Univ., Lincoln 4, Neb.

 ELWOOD, ALBERT A. (SM'57), Chief, Electromagnetics Div., U.S. Industries Technical Center, 3901 N.E. 12 Ave., Pompano Beach, Fila.

 ELV, DANIEL H. (M'57), Electronic Engr., FAA, Aeronautical Center, Box 1082, Oklahoma City, Ókla.

 ELY, FRANK E. (S'56-M'57), Asst. Engr., AT &T Co., 400 Hamilton Ave., White Plains, N.Y.

 ELY, ROMALD S. (S'55-M'57), Asst. Engr., AT &T Co., 401 Hamilton Ave., White Plains, N.Y.

 ELY, ROBACT. (M'56), Test Methods Engr., Stromberg-Carlson, 1895 Hancock St., San Diego 12, Calif.

 ELY, PAUL C., JR. (M'56), Test Methods Engr., Stromberg-Carlson, 1895 Hancock St., San Diego 12, Calif.

 ELY, ROBACT. (M'56), Test Methods Engr., Stromberg-Carlson, 1895 Hancock St., San Diego 12, Calif.

 ELY, ROBACT. (M'56), Test Methods Engr., Stromberg-Carlson, 1895 Hancock St., San Diego 12, Calif.

 ELY, PAUL C., JR. (M'56), Fign., Sperry Gyroscope Co., Great Neck L.I., N.Y.

 ELY, GOBBERT P. (A'52), Design Engr., Thomps

- EMANUEL, JAVID A. (S'5)-M'59), USS Ticonderoga, CVA-14, JAVID A. (S'5)-SM'57), Sales Engr. Tung Sol Electric, Inc., 95 & Ave., Newark, N. J.
 EMBERSON, RICHARD M. (SM'54), Asst. to Pres., Asst. Secy., Associated Universities, Inc., 10 Columbus Circle, New York 19, N.Y.
 EMBRECHTS, ALBERT C. (A'30-VA'39-SM'48), Pres., Intelex Systems, Inc., 22 Thames St., New York 6, N.Y.
 EMBREE, CHARLES R. (S'56-M'58), Electronics Engr., GE Co., Syracuse, N.Y.
 EMBREE, CHARLES R. (S'56-M'58), Electronics Engr., GE Co., Sox 192, I.A.B., Miami 4B, Fla.
 EMBREE, MILTON L. (S'47-A'51), Mem. Tech. Staff, Bell Tel. Labs., 555 Union Blvd., Allentown, Pa.
 EMBREE, OTTON L. (S'47-A'51), Mem. Tech. Staff, Bell Tel. Labs., 555 Union Blvd., Allentown, Pa.
 EMBREE, OTTON C. (S'57-M'58), Electronic Engr., Missile Flights Surveillance Office, White Sands Missile Range, N. M.
 EMBREE, RAY R. (A'47), Design Engr., United Control

- N. M.

 EMBREE, RAY R. (A'47), Design Engr., United Control
 Corp., 4540 Union Bay Pl., Seattle 5, Wash.

 EMCH, GEORGE F. (A'53), Physicist, Applied Physics
 Lab., John Hopkins Univ., Silver Spring, Md.

 EME, KENNETH J. (S'54-A'55), Project Engr., Motorola,
 Inc., 3102 N. 56, Phoenix, Ari.

 EMENS, FRANK H. (S'55-M'57), Elec. Engr., Telemetering
 Systems, Army Ballistic Missile Agency, Redstone Arsenal, Ala.

 EMERICK, LLOYD C. (M'57), S. Engr., Sylvania Elec.
 Prods., Inc., Brookville, Pa.

 EMERLING, RONALD A. (S'52-M'55), Mem. Tech. Staff
- EMERLING, RONALD A. (S'52-M'55), Mem. Tech. Staff, Systems Labs. Corp., 14B52 Ventura Blvd., Sherman Oaks, Calif.
- EMERSON, LLOYD E. (A'57), Owner, Emerson Radio Service, 9 Grant Ave., Penn Yan, N.Y.
- EMERSON, MARVIN R. (A'54), Head, Industrial Control Sect., Data Systems Dept., Norden Div., United Aircraft, 13210 Crenshaw Blud., Gardena. Calif. EMERSON, RALPH W. (A'53), Instr., Dept. Head R-7, National Schools, 4000 S. Figueroa St., Los Angeles 37, Calif.
- Calif.

 EMERSON, RAYMOND R. (S'50-A'52-M'58), Electronics Engr., U. S. Naval Ordnance Lab., Corona, Calif.

 EMERSON, RICHARD E. (S'50-A'51-M'56), Customer Engr., IBM, 590 Madison Ave., New York 22, N.Y.

 EMERSON, WILBUR R. (A'46-M'57), District Dept. Head, Meters-Radio-Spec. Equipment, Norris Public Power (REA), 606 Irving St., Beatrice, Neb.

 EMERSON, WILLIS P. (A'50), Staff Engr., Raytheon Mfg. Co., Wayland, Mass.

- MIG. Co., Wayland, Mass.
 EMERY, EDWARD J. (A'56), Components Engr.,
 Burroughs Corp., Paoll. Pa.
 EMERY, LORING D., JR. (M'56), Prod. Engr., Western
 Electric Co., Laureldale, Pa.
 EMERY, RALEIGH H. (A'52-M'57), Sr. Elec. Engr.
 Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

- EMERY, RALPH A. (S'58-M'59), 442 Central Ave., Milton 86, Mass.
- EMERY, RICHARD M. (S'56-A'58), Field Engr., Dage-TV Div., Thompson-Ramo-Wooldridge Corp., Michigan City, Ind.
- EMERY, RICHARD R. (S'49-A'51-M'57), Contact Engr., Chrysfer Corp., Box 1927, Detrolt 31, Mich. EMERY, RONALD C. (A'56), Design Engr., Famsworth Electronics Co., 3702 E. Pontiac St., Ft. Wayne 1, Ind. EMERY, STANLEY (\$'56-A'58), Aircraft Engr., Westing-house Elec. Corp., 18020 S. Santa Fe Ave., Compton, house Calif
- EMERY, WILLIAM S. (S'54-A'55), Electronics Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
- EMERY, WILLIS L. (A'41-SM'46), Prof., Univ. of Illinois, Urbana, III.
- EMES, HARRY R. (M'54), Mgr., Resistor Sales Dept., Globor Div., Carborundum Co., Hyde Park Blvd., Niagara Falls, N.Y.
- EMILE, PHILIP, JR. (M'5B), Electronics Scientist, Diamond Ordnance Fuze Lab., Washington 25, D.C
- Billion Genge A. (Si2-A'53), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. EMMEL, LEROY L. (A'49-M'55), Administrator, Prod. Planning, RCA, Semiconductor & Materials Div., Somer-ville, N.J.
- EMMERICH, C. MARTIN (M'57), Electronic Equipment Quality Control Rep., USAF, A. M.C., St. Louis Air Proc. Dist., 1114 Market, St. Louis 1, Mo.
- EMMERICH, LEWIS (S'4B-A'49-M'55), Project Engr., Convair-Astronautics, San Diego, Calif. EMMERLING, EDWARD J. (S'42-A'45-M'55), Sr. Operating Engr., Cincinnati Gas & Electric Co., Box 356, Cincinnati
- EMMETT, JAMES T. (A'54), Group Asst., Maintenance Instrumentation, AiResearch Mfg. Co. of Arlzona, 402 S. 36 St., Phoenix, Ariz.

- Instrumentation, Alkesearch Mrg. Co. or Arizona, 402 S. 36 St., Phoenix, Ariz.
 EMMONS, DONALD W. (M'5B), Assoc. Prof., Broome Technical Community College, Binghamton, N.Y.
 EMMONS, GLEN T. (A'54), Capt., USAF, Communications Officer, 793 ACW Sqdn., Hutchinson AFB, Kan.
 EMRICK, BROOKS S. (M'56), Maj., USAF, Sect. Chief, Systems Integration Sect., Design Engrg., Flight Control Lab., WADC, ARDC, Wright-Patterson AFB, Ohio.
 EMSLIE, NORMAN M. (A'54), Project Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 EMURIAN, ALBER D. (A'42-M'44-SM'46), Engrg. Mgr., Data Transmission Systems, Govt. & Industrial Div., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 EMUS, HAROLD (A'55), Mem. Tech. Staff, ITT Labs., 15151 Bledsoe St., San Femando, Calif.
 ENANDER, BENGT N. (A'55), Research Engr., Dept. of Electronics, Royal Institute of Technology, Stockholm 70, Sweden.

- Sween: Sween: Sence St. Prof., Physics, Franklin & Marshall College, Lancaster, Pa. ENDER, ROBERT C. (4/54), Engrg. Analyst, GE Co., Schenectady, N.Y. ENDERLE, THOMAS L. (SM'5B), Logistics Officer, USAF, Electronics Warfare, Air Material Command, Kelly AFB, Tex. ENDERLE, AND LED. MAR

- Electronics Warfare, Air Material Command, Kelly AFB, Tex ENDLER, HARVEY M. (S'55-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif ENDO, CHARLES M. (A'54), Engr., Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, III.

 ENDO, FREDERICK Y. (S'56-M'57), Engr., Northrop Aircraft, Inc., Hawthorne, Calif.

 ENDO, KOKICHI (A'54), V.P., Engrg., Radio Tokyo, Inc., 1-6-10 Den-enchofu, Ota-ku, Tokyo, Japan.

 ENDO, MINORU T. (SM'57), Dept. Head, Mech. Engrg.

 Sect., Magnavox Research Labs., 2255 S. Carmelia Ave., Los Angeles 64, Calif.
- ENDRES, RICHARD O. (S'46-A'49-M'53-SM'55), Chief Engr., Rese Engrg., Inc., 731 Arch St., Philadelphia, Pa.

- Pa.
 ENDSLEY, DAVID L. (A'57), 309 University, N.E.,
 Albuquerque, N.M.
 ENDSLEY, JAMES P. (A'55), Test Engr., Hewlett-Packard,
 275 Page Mill Rd., Palo Alto, Calif.
 ENDY, WALTER M. (A'54), Project Engr., Radio Condenser Co., Davis & Copewood Sts., Camden 3, N.J.
 ENEMARK, ROBERT B. (S'50-A'51-M'56), Electronics
 Engr., Pickard & Burms, Inc., 240 Highland Ave., Needham, Mass.
- ENENS TEIN, NORMAN H. (S'46-A'49-M'55), Dir., Tactical Systems Lab., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.
- ENESS, ORVILLE M. (S'50-A'52-M'56), Research Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, III. ENG, JAMES (S'51-M'55), Methods Programmer, IBM, Kingston, N.Y. ENG, JOSEPH W. (S'50-A'51-M'56-SM'56), Sr. Project Engr., Bullova Watch Co., 62-10 Woodside Ave., Woodside 77, L.I., N.Y.

- side 77, L.1., N.Y.
 ENG, RAYMOND A. (S'56-M'58), Michigan State Univ., 500 Charles St., East Lansing, Mich.
 ENG, RICHARD S. (S'53-M'56), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.
 ENG, SVERRE T. (M'5B), Mem. Tech. Staff, Hughes Prods., internatl. Airont Sia., Los Angeles 45, Calif.
 ENG, THOMAS S. (S'49-A'49-M'58), Elec. Design Engr., B.C., Engrg, Co., Ltd., 570 Dunsmiur St., Vancouver, B.C., Canada.

- B.C., Canada.

 BNGARD, WALLACE J. (S'57-A'59), Dev. Engr., Eastman Kodak Co., Rochester 4, N.Y.

 ENGEL, ALEXANDER (M'57), Electronics Engr., AVCO Mfg. Corp., 201 Lowell St., Wilmington, Mass.

 ENGEL, EMIL (M'59), Elec. Engr., Remington Rand Univac, 5t. Paul 16, Minn.

 ENGEL, FRANCIS H. (A'25-M'28-SM'43), Asst. to V.P., RCA Defense Electronics Div., 1625 K St., N.W., Washington 6, D.C.
- Washington 6, D.C.

 ENGEL, FRANK A., JR. (M'46-SM'59), Advisory Engr.,
 Analytical Dept., Westinghouse Elec. Corp., 700 Braddock Ave., East Pittsburgh, Pa.

 ENGEL, G. CURTIS (4'45-M'55), Pres., G. Curtis Engel
 & Associates, Inc., Ridgewood, N.J.

 ENGEL, HOWARD L. (A'52), Sr. Mem. Tech. Staff, The
 Ramo-Wooldridge Corp., Box 45215, Airport Sta., Los
 Angeles 45, Czlif.

- ENGEL, JAMES S. (S'44-A'44-M'55), Sr. Project Engr., ITT Labs., Nutley 10, N.J. ENGEL, JOEL S. (M'57), Research Asst., Elec. Engrg. Dept., MIT, Cambridge 39, Mass.

- Dept., MII., Lamonoge 39, Mass.
 ENGEL, JOHN E. (S'56-M'58), Elec. Engr., Automatic
 Electric, Northiake, III.
 ENGEL, LOUIS (S'49-A'50-M'55), Project Engr.,
 Crosley Div., Avco Mg. Coro., Cincinnati, Ohio.
 ENGEL, PETER F. (M'56), Mem. Tech., Staff, ThompsonRamo-Wooldridge Corp., 5500 El Segundo Bivd., Los
 Angeles. Calif Angeles, Calif
- Angeles, Calif.

 ENGELBARDT, ROBERT M. (S'57-M'5B), Engr., Mountain States Telephone & Telegraph Co., LB W. Mc Dowell Rd., Phoenix, Ariz.

 ENGELBART, DOUGLAS C. (S'51-M'56), Sr Research Engr., Stanford Research Institute, Menlo Park, Calif.

 ENGELBERG, CHARLES (S'56-M'57), Elec. Design Engr., Stavid Engrg., Inc., Plainfield, N.J.

 ENGELBERGER, JOHN K. (A'57), Project Engr., Baldwin-Lima-Hamilton. Waltham, Mass.

 ENGELBRECHT, LLOYD R. (M'59), Project Engr., Motorola, Inc., 1450 N. Cicero, Chicago, Ill.

 ENGELBRECHT, RUDOLF S. (S'52-A'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 ENGELHARDT, GEORGE B. (A'34-VA'39-M'55-SM'57), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 ENGELHARDT, LERGY J. (S'56-M'58), Jr. Engr., AC Spark

- York 14, N.Y.

 ENGELHARDT, LEROY J. (S'56-M'58), Jr. Engr., AC Spark Plug, 1300 N. Dort St., Flint 2, Mich.

 ENGELHARDT, ROBERT R. (A'59), Radio Engr. II, Minnesota Dept. of Aeronautics, 125 Administration Bildg., Holman Field, St. Paul 7, Minn.

 ENGELLAND, GEORGE C. (A'59), Food Technologist, Libby McNeill & Libby Eastern Div. Labs., 13636 Western Ave., Blue Island, III.

 ENGELLAND, CHARLES W. (A'41-M'45), Research Engr.,

- McNeill & Libby Eastern Div. Labs., 13636 Western Ave., Blue Island, III.

 ENGELMAN, CHARLES W. (A'41-M'45), Research Engr., Cedar Engrg., Inc., 5806 W. 36 St., Minneapolis, Minn. ENGELMAN, JOSEPH H. (M'54), Assoc. Research Engr., Burroughs Corp., Paoli, Pa.

 ENGELMANN, HERBERT F. (SM'52), Pres., TEM, Inc., 71 Okner Pkwy., Livingston, N.J.

 ENGELMANN, RICHARD H. (SM'55), Assoc. Prof., Elec. Engrg., Univ. of Cincinnati, Cincinnati 21, Ohio.

 ENGELS, LESTER H. (S'56-A'57), Electronics Technician "A.," Packard Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.

 ENGELS, ROBERT O. (A'55), Staff Engr., Crosley Div., Avco Corp., 1329 Arlington St., Cincinnati, Ohio.

 ENGELSON, BERNARD (A'55), Electronics Engr., The W.L. Maxson Corp., 460 W. 34 St., New York I. N.Y.

 ENGELSON, HOWARD R. (A'58), Project Mgr., Airborne Instruments Lab., 160 Old Country Rd., Mincola, L.I., N.Y.

 ENGELSON, IRVING (S'55-A'57) Inc., DCA Legisland

- N. Y.

 N. Y.

 ENGELSON, IRVING (S'55-A'57), Instr., RCA Institutes, Inc., 350 W. 4 St., New York 14, N.Y.

 ENGELSON, MORRIS (S'57-M'58), Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City, N.Y.

 ENGELSTED, JOHN N. (A'57), Pres., 0.S. Walker Co., Worcester, Mass.

 ENGERT, EGENGE W. (S'48-A'50-M'55), Project Engr., Mepco, Inc., 35-37 Abbett Ave., Morristown, N.J.

 ENGERT, K. GUENTHER (M'58), 11B7 Hope Ave., Montreal 25, P.Q., Canada.

 ENGH, PETER B. (SM'56), Toll Service Transmission Engr., Pacific Telephone & Telegraph Co., 620 C St., San Diego 10, Calif.

- Pacific Telepone & Telegraph Co., 620 C St., San Diego 10, Callf.

 RNGHOLM, KENNETH J. (S'55-M'5B), Elec. Engr., Collins Radio Co., Cedar Rapids, lowa.

 RNGISCH, RICHARD A. (S'52-A'54), Elec. Engr., Sylvania Elec. Prods., Inc., Towanda, Pa.

 ENGLAND, JOHN W. (A'55), Field Engr., Waldorf Industrial Controls, 755 Park Ave., Huntington Station, L.I., N.Y.

 ENGLAND, LELAND C. (A'45), Test Technician, Collins Radio Co., Cedar Rapids, lowa.

 ENGLAND, LONDON T. (A'53), Sales Engr., Gates Radio Co., 2700 Polk St., Houston, Tex.

 ENGLAND, ROBERT E. (S'55-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 ENGLAND, SAMUEL J. M. (A'57), Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 ENGLAND, TALMADGE R. (S'55-M'57), Scientist, Westinghouse Aviation Corp., Atomic Power Div., Bettis Field, Pittsburgh, Pa.

- ENGLAND, WALDO B. (SM'55), Sr. Project Design Engr., Eastman Kodak Co., Apparatus & Optical Div., Rochester 4, N.Y.
- N.Y.

 ENGLANDER, BERNARD (A'54), Sr. Engr., Philoo Corp.,

 4700 Wissahickon Ave., Philadelphia 44, Pa.

 ENGLE, CLIFTON G. (S'56-M'57), Capt., USAF, Communications Electronics Officer, 6B2 AC&W. Sqdn, Almaden Air Force Sta., New Almaden, Calif.

 ENGLE, DAVID C. (M'56), Sr. Engr., Electronics Div.,

 Hazelline Corp., 59-25 Little Neck Pkwy., Little Neck,

 L.I., N.Y.
- ENGLE, DAVID E. (S'56-A'57), Technician, Delco Radio Div., GMC, 700 E. Firmin St., Kokomo, Ind. ENGLE, JAMES L. (M'59), Electronic Designer, Institute For Cancer Research, 7701 Burholme Ave., Philadelphia 11, Pa.
- ENGLE, VICTOR M. (M'46), Dev. Engr., ITT Labs., Nutley 10. N.J.

- 10, N. J.

 RNGLEHARDT, WILLIAM K. (M'56), Project Engr., TungSol Electric, Inc., Washington, N. J.

 ENGLEMAN, CHRISTIAN L. (SM'46-F'54), Pres., Engleman
 & Go., Inc., 2480 I 65 st., N.W. Washington 9, D.C.

 ENGLEMAN, RONALD (M'58), Dev. Engr., Components & ReIiability, Burroughs Coro., Research Center, Paoli, Pa

 ENGLER, ALLEN R. (A'52-M'56), Sr. Design Engr., Convair,
 Ft. Worth, Tex.

 ENGLER, CHARLES D. (M'58), Elec. Engr., StrombergCarlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 ENGLER, CHARLOTTE F. (M'57), Engr., ITT Labs., Nutley
 10, N. J.
- 10, N. J.

 ENGLER, CLIFFORD G. (S'54-M'57), Electronics Engr.,
 Varian Associates, Hansen Way, Palo Alto, Calif.

 ENGLERT, RALPH W. (A'54), Research Engr., Crosley Div.,
 Avco Mfo. Co., 13 29 Afrington St., Cincinnati 25, Ohio.

 ENGLISH, DAVID L. (A'58), Research Asst., Hughes Aircraft
 Co., Culver City, Calif.

 ENGLISH, ROBERT B. (S'54-M'55), Systems Test Engr.,
 Electro-Data Corp., 460 Sierra Madre Villa, Pasadena, Calif.

- ENGLISH, WALTER C. (A'44-M'47), Electronics Engr. Industrial Mgr., USN, 9th Naval District, Bldg, 3209, USNTC, Great Lakes, III. ENGLUND, EDWARD T. (A'52), Treas., Lundey Associates, Inc., 694 Main St., Waltham 54, Mass. FIGLUND, ROBERT A. (S'50-A'51-M'55), Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz. ENGLUND, ROBERT M. (S'56-M'58), Elec. Engr., Remington Rand Univac, St. Paul, Minn. ENGMAN, GEORGE E. (A'42-M'55), Sect. Mgr., Automatic Control Sect., Lab. for Electronics, Inc., 75 Pitts St., Boston 14, Mass. ENGQUIST, ARTHUR R. (S'51-A'53-M'5B), Staff Mem. Sandia Corp., Sandia Base, Albuquerque, N. M. ENGSTROM, DEREK E. (A'54), 824 1/2 Ravenna Blvd.,

- Sandia Corp., Sandia Base, Albuquerque, N.M.

 ENGSTROM, DEREK E. (A'54), 824 1/2 Ravenna Blvd.,
 Seattle 15, Wash.

 ENGSTROM, ELMER W. (A'25-M'38-F'40), Sr. Exec. V.P.,
 RCA, 30 Rockefeller Plaza, New York 20, N.Y.

 ENGSTROM, HOWARD T. (SM'53), V.P., Sperry Rand
 Corp., 315 4 Ave., New York, N.Y.

 ENGSTROM, OLLE D. (A'47-5M'47), Military Systems
 Dev. Engr., Gell Tell. Labs., Whippany, N.J.

 ENGSTROM, ROBERT H. (A'57), Mfrs. Rep., Engstrom
 Associates, Jinc., 1816 Maywood Rd., Winter Park, Fla.

 ENGSTROM, WESLEY C. (S'57-M'59), Assoc. Engr.,
 Electronic Engrg., Boeing Airplane Co., Seattle, Wash.

 ENGVIK, SIGURD B. (S'53-M'56), Mgr., Nordenfjelsk
 Salg A/S, Erling Skakkes gt. 10, Box 558, Trondheim,
 Norway.

- Salg A/S, Erling Skakke 9t. 10, 60x 336, Intoken, Norway.

 ENGWICHT, HARRY M. (1/22-5/26-SM/47), Prof., Elec. Engro., San Jose State College, San Jose 12, Calil.

 ENHOLM, EARLE C. (M/54), Instr., Physics, Long Beach City College, Long Beach B, Calif.

 ENLOE, HOWARD L. (M/58), Engr., Geo. S. Thomson Co., Inc., 611 N. Campbell St., El Paso, Tex.

 ENLOW, PAUL M. (S/50-A/51-M/57), Patent Atty., Western Electric Co., 195 Broadway, New York, N.Y.

 ENNIS, ALFRED G. (A/38-M/55), Systems Engro. Supvr., Applied Physics Lab., The Johns Hopkins Univ., Silver Syring, Md.

 ENNIS, ODNALD E. (S/54-A/54), Maint. Engr., Dept. of Nat/1. Defence, (RCAF), RCAF Sta. Rockcliffe, Ottawa, Ont., Canada.

 ENNIS, FORREST L. (S/56-M/58), 3734 W. Jackson St.,
- ENNIS , FORREST L. (S'56-M'58), 3734 W. Jackson St.,
- Muncie, Ind.
 ENNIS, FRANK T. (A'35-VA'39), TV Engr., WOR-TV,
 1440 Boadway, New Yerk 19, M.Y.
 ENNIS, FRFDERICK J. (A'54), Secy., Glant & Co., Inc.,
 437-447 N. American St., Philadelphia 23, Pa.
 ENNS, EDGAR G. (A'47), Mgr., Commercial & Military
 Prods, Div., Stanwyck Coil Prods., Ltd., Box 1049,
 Hawkesbury, Ont., Canada.

- Prods. Div., Stanwyck Coil Prods., Ltd., Box 1049, Hawkesbury, Ont., Canada.
 ENO, ROBERT F. (M'56), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 ENOCH, DONALD G. (A'54), Project Engr., Genl. Precision Lab., Pleasantville, N., Elec., Engr., Melpar, Inc., 1311 S., Fern St., Arlington, Va.
 ENRIGHT, DONALD J. (A'49-M'55), Engr., Bell Tel. Labs., White Sands Proving Ground, N.M.
 ENRIGHT, FRANCIS E. (A'53), Engr., Lear, Inc., 3171 S. Bundy Dr., Santa Monica, Calif.
 ENRIGHT, ROBERT E. (S'52-M'55), Engr., Carr, USN, Electronics Officer, Industrial Mgr., 5 Naval District, Box 215, Portsmouth, Va.
 ENSALL, THOMAS (A'44-M'45), Retired, 1041 Indian Beach Dr., Sartasota, Fla.
 ENSING, LUKAS (M'58), Sr. Research Engr., Royal Dutch Shell Lab., Brockmolenweg 20, Delft, Holland.
 ENSLEN, KURT (A'5-M'51-SM'53), Dir., Research, Brooks Research, Inc., Box 67, Rochester LO, N.Y.
 ENSLEY, CHARLES, JR. (A'59), TV Engr., WJBK-TV, Storer Broadcasting Co., 7441 2nd, Detroit, Mich.
 ENSLOW, GEORGE M. (M'58), Assoc. Engr., Lockheed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.
 ENTENMANN, RICHARD C. (S'56-M'59), 1059 Grand Ave.

- Calif.
 ENTENMANN, RICHARD C. (S'56-M'59), 1059 Grand Ave, San Diego, Calif.
 ENTICKNAP, RONALD G. (SM'52), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.
 ENTIN, ARTHUR J. (A'54-M'58), Electronics Engr., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.
 ENYEART, TAD L. (S'56-A'57), Electronics Technician, Remington Rand Univac., 1902 W. Minnehaha, St. Paul 4, Minn.
 ENZ RALDLE (MASS), Decort Form Minhap Decort
- Minn.

 ENZ, RALPH E. (M'5B), Process Engr., Hughes Prods., Internati. Airport Sta., Los Angeles 45, Calif.

 ENZLER, ARTHUR J. (A'51-M'56), Design Engr. "A," Aerojet-Geni. Corp., Box 1947, Sacramento, Calif.

 EOYANG, THOMAS T. (A'48-SM'50), Sr. Engr., Remington Rand Univac Div., 1900 W. Allegheny Ave., Philadelphia 29, Pa.

- Nemmyout Natio Univac DIV., 1900 W. Allegneny Ave., Philadelphia 29, Pa. R. (M'56-SM'59), Asst. Prof., Air Force Institute of Technology, MCLI, Wright Patterson AFB, Ohio.

 EPPERSON, JAMES P. (M'59), Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 EPPERSON, JOSEPH B. (A'34-M'38-SM'43-F'58), V.P. in Chg. of Engr., Scripps-Howard Television, Euclid Ave. & E. 30 St., Cleveland 15, Ohio.

 EPPERSON, ROBERT H. (A'53), Chief Engr., WSYD, MI. Airy Broadcasters, Inc., Mt. Airy, N. C.

 EPPERSON, WILLIAM H. (S'37-A'38-VA'39-SM'57), V.P. & Chief Engr., Aeronautical Communications Equipment, Inc., 3090 Douglas Rd., Miami 33, Fla.

 EPPRECHT, GEORGE W. (A'47-M'55), Asst. Prof., Federal Institute of Technology, Zurich Research Labs., Swiss PTT Administration, 6 Speichergasse, Bem, Switzerland.
- EPPS, RICHARD C. (M'56), Electronics Engr., Univ. of California, Lawrence Radiation Lab., Box 808, Livermore.
- Calif.

 EPSTEIN, AARON M. (A'52-SM'56), Electronics Scientist, Diamond Ordinance Fuze Lab., Washington 25, D.C.

 EPSTEIN, DAVID J. (S'41-4'44-M'46), Assoc. Prof., MIT, Cambridge 39, Mass.

 EPSTEIN, DAVID W. (A'34-SM'43-F'52), Mgr., Conversion Tube Operations, RCA, Lancaster, Pa.

EPSTEIN, HEINZ C. (S'58-M'59), Research Engr., Autonetics Div.. No. Amer. Aviation, Downey, Calif. EPSTEIN, HENRY D. (A'52-M'57), Mgr., Dev. Engrg., Spencer Thermostat Div., Metals & Controls Corp., Attle-boro, Mass.

- 163 -

- Spericer Inermostat Div., Metals & Controls Corp., Attleboro, Mass.

 PSTEIN, HERBERT (S'47-A'52-M'57), Patent Agent, Philoc Corp., Tioga & C Sts., Philadelphia 34, Pa.

 PSTEIN, HERMAN (S'47-A'51-SM'55), V.P. & Dir. Engrg., Tele-Dynamics, Inc., 5000 Parkside Ave., Philadelphia 31, Pa.

 PSTEIN, IRA (S'57-M'59), Electronic Design Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 PSTEIN, JACOB M. (S'56-M'59), Engr., Martin Co., Baltimore 20, Md.

 PSTEIN, JEROME N. (S'42-A'53-M'57), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 EPSTEIN, JESS (A'42-SM'46), Research Engr., RCA

 Labs., Princeton, N.J.

 PSTEIN, MARKUS (A'44-M'54), Chief Engr., Control Electronics Co., Inc., 10 Stepar Pl., Huntington, L.I., N.Y.

 EPSTEIN, MARVIN A. (S'53-A-454), Teachers.

- N.Y.
 EPSTEIN, MARVIN A. (S'53-A'56), Tech. Specialist, ITT
 Labs., Nutley 10, N.J.
 EPSTEIN, MAX (A'53-M'59), Research Engr., Armour Research Foundation of Illinois Institute of Technology, Technology Center, Chicago 16, III.
- notogy Center, Chicago 10, III.

 EPSTEIN, MILTON (A'48-M'55), Systems Engr., USASRDL, Ft. Monmouth, N.J.

 EPSTEIN, RICHARD A. (A'51-M'56), Research Group Supvr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasudchib, Calif.

- Survr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasudcia, Colif.

 EPSTEIN, SAMUEL (S'48-A'50), 409 E. 72 St., Kansas City, Mo. PESTEIN, SAUL (S'46-A'49), 5015 Varna Ave., Sherman Oaks, Calif.

 EPSTEIN, SAUL (S'46-A'49), 5015 Varna Ave., Sherman Oaks, Calif.

 EPSTEIN, SIDNEY (A'53-M'58), Asst. Prof., Cooper Union, Cooper Sq., New York 3, N.Y.

 ERATH, LOUIS W. (M'46), V.P. & Tech. Dir., Southwestern Industrial Electronics Co., 10201 Westheimer, Houston 19, Tex.

 ERB, DONALD R. (M'54), Engrg. Mgr., Instron Engrg. Corp., 2500 Washindton, Carton, Mass.

 ERB, JOHN J. (S'54-A'55), Project Engr., AC Spark Plug, 1925 E. Kennilworth, Milwaukee, Wis.

 ERBELDING, JOHN C. (S'57-A'58), Elec. Engr., Genl. Railway Signal Co., 801 West Ave., Rochester, N.Y.

 ERCOLI, PAOLO (M'57), In-cfage., Computer Operation & Dev., Instituto Nazionale perie Applicazioni del Calcolo, 7 Piazzale delle Scienze, Roma, Italy.

 ERCOLINI, JAMES E. (M'59), Assoc. Research Engr., Boeing Airplane Co., Seattle, Wash.

 ERCOLINO, MICHAEL D. (A'44), Telrex, Inc., Asbury Park N.
- ERCOLINO, MICHAEL D. (A'44), Telrex, Inc., Asbury Park, N.J.
- Park, N.J.

 ERDHEIM, WILLIAM (M'56), Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.V.

 EROLE, FRANCIS E. (S'49-A'51-M'58), Sr. Electronics
 Engr., Melpar, Inc., 6000 Arlingron Blvd., Falls
 Church, Va.

- CO., Great Neck, L.I., N.Y.

 EROLE, FRANCIS E. (S'49-A'51-M'58), Sr. Electronics Engr., Melpar, Inc., 6000 Arlingron Blvd., Falls Church, Va.

 EROLE, PABUL J. (A'49-SM'55), Field Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 EROLEY, HAROLD F. (A'52-M'56), Dent. Mgr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 EROLEY, RICHARD F. (S'56-M'58), Sr. Electronic Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 ERDMAN, ALTON L. (A'55), Capt., USAF, Communications Electronics Officer, Dept. of The Air Force, Waco, Tex.

 ERDMAN, ANDREW (A'45), Radio Technician, Atlantic New York Corp., 843 10 Ave., New York 19, N.Y.

 ERDMAN, B. KENNEY (S'56-M'57), Circuit Design Engr., Lehigh Design Co., 62 Mullberry, Newark 2, N.J.

 ERDMAN, DONALD C. (S'39-A'40), Consultant in Non-Destructive Testing, 1179 Romney Dr., Pasadena 2, Calif.

 ERDMAN, JOHN P. (S'48-A'51-M'55), Field Assoc. Engr., IBM, San Jose 14, Calif.

 ERDMANN, PHILLIP R. (S'57-M'59), 2nd Lt., U.S. Army, 124th Signal Bn., Ft. Lewis, Wash.

 ERDMANN, RICHARD G. (A'54), Leader, Design & Dev., Airborne Systems Det., RCA, Camden, N.J.

 ERENBURG, STEVEN A. (S'55-M'57), Spr., Engr., Haller Raymond & Brown, Inc., State College, Pa.

 ERHAROT, KENNET HD. (S'48-A'51-M'56), Film Studio Supvr., NBC, 1500 Vine, Hollywood 28, Calif.

 ERHAROT, KENNET HD. (S'48-A'51-M'56), Film Studio Supvr., NBC, 1500 Vine, Hollywood 28, Calif.

 ERHAROT, KENNET HD. (S'56-M'57), Supvo., Engr., Bell Tel. Co., 1922 Cass Ave., Detroit 26, Mich.

 ERICKSON, ERNEST E. (S'48-A'51-M'56), Film Studio Supvr., NBC, 1500 Vine, Hollywood 28, Calif.

 ERICKSON, GERALD A. (S'56-M'59), Assoc. Dev. Engr., Septry Gyroscope Co., Sunnyvale, Calif.

 ERICKSON, GERALD A. (S'56-M'59), Engr., Philoc Corp., Septry Gyroscope Co., Sunnyvale, Calif.

 ERICKSON, GERALD A. (S'56-M'58), Engr., Philoc Corp., 3875 Fabian Way, Palo Alto, Calif.

 ERICKSON, JOHN S. (A'42-SM-51), Polesh Asst. to Avionics Mgr., Grumman Aircraft Engre, Corp., Bethoage, L. I., N. V.

 ERICKSON, LENNART G. (A'40-M'52-SM'52), Pres.,

- L.I., N.Y.
 ERICKSON, LARS E. (M'57), Chief Mech. Engr.,
 Aircraft Radio Copp., Boonton, N.J.
 ERICKSON, LENNART G. (A'40-M'52-SM'52), Pres.
 Lenkurf Electric Co., 11.05 County Rd., San Carlos, Calif.
 ERICKSON, MELVIN L. (S'54-A'55), Engr., Philico Corp.,
 C & Tioga Sts., Philadelphia 34, Pa.
- C & Tioga Sts., Philadelphia 34, Pa.

 RICKSON, PAUL R. (S*57-M*58), Assoc. Engr.,

 Microwave, Convair, San Diego 12, Calif.

 ERICKSON, PAUL W. (M*44-SM*54), Pur. Agent, Raytheon

 Mig. Co., Newton 58, Mass.

 ERICKSON, PETER B. (S*55-M*56), Engr., Los Alamos

 Scientific Lab., Los Alamos, N.M.

 ERICKSON, ROBERT S. (A*47-M*55), Engrg. Dir.,

 Remington Rand Univac, St. Paul 16, Minn.

- ERICKSON, ROGER L. (S'52-A'54), Maintainability Engr., Hughes Aircraft Co., Culver City, Callf.
 ERICKSON, ROMALD L. (S'57-M'59), Field Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.
 ERICKSON, TORVALD (A'55), Research Engr., Allied Control Co., 2 East End Ave., New York, N.Y.
 ERICKSON, VERDIS M. (S'54-M'56), Dev. Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.

- Rd., Minneapolis 13, Minn.

 ERICKSON, WILBUR A. (M'57), Systems Engr., Daystrom Systems, Box 1121, La Jolla, Calif.

 ERICSON, CARL W., JR. (M'56), 6919 Petit Ave., Van Nuys, Calif.

 ERICSON, EUGENE E. (S'56-M'59), Assoc. Scientist, Lockheed Missile Systems Div., Sunnyvale, Calif.

 ERICSON, ROBERT L. (S'50-A'51), Western Div. Dir., Sales, Collins Radio Co., 2700 W. Olive, Burbank, Calif.

 ERIE, SAMUEL D. (S'52-M'56), Sr. Engr., Philoo Corp., Govt. Industrial Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 FRIKSEN, BERNARD K. (S'53-A'53). Dev. Engr., GE Co..

- Sales, Johns Radio Co., 2700 W. Olive, Burbank, Calif. ERIE, SAMUEL D. (S. '52-M'56), Sr. Engr., Philoc Com., Govt. Industrial Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 ERIKSEN, BERNARD K. (S'53-A'53), Dev. Engr., GE Co., Syracuse, N.Y.

 ERIKSON, ERIK M., JR. (A'54-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 ERIKSON, JARL I. (SM'57), Consultant, Empresa Nacional de Telecomunicaciones, Bogota, Colombia.

 ERLANOSEN, CHARLES F. (M'57), Mgr., Quality Control, GE Co., Lynchburg, Va.

 ERLANDSON, PAUL M. (SM'50), Dir., Research, Schlumberger Well Surveying Corp., Ridgefield, Conn.

 ERLER, KLAUS A. (A'57), Production Mgr. & Engr., Deta Electronics, Ltd., 26 Eugene St., Toronto, Onl., Canada. ERLICHSON, HERMAN (M'57), Engr., Kollsman Instrument Corp., 80-08 45 Ave., Elmhurst 73, L.I., N.Y.

 ERLICK, PRESTON S. (A'51-M'57), Systems Engr., RCA, Moorestown, N.J.

 ERMATINGER, CARL E. (A'53), Research Engr., California Institute of Technology (Jed Propulsion Lab.), 4800 Oak Grove Park, Pasadena, Calif.

 ERNDL, WILLIAM J. (A'56-M'59), Tech. Recrulter, Aero-Dyne Personnel Consultants, 1,554 California St., Philadelphia, Pa.

 ERNI, JOSEPH B. (A'53-M'58), Tech. Recrulter, Aero-Dyne Personnel Consultants, 1,554 California St., Denver, Colo.

 ERNSBERGER, ROXY E. (S'56-M'59), "C" Engr., Design Work-Servo Group, RCA, Moorestown, N.J.

 ERNST, AETHUR A. (A'44-M'52), Genl. Engr., Design Work-Servo Group, RCA, Moorestown, N.J.

 ERNST, CLARE E. (A'54), Owner, Ernst Mig. Co., Box 32, Alger, Mich.

 ERNST, CLARE E. (A'54), Owner, Ernst Mig. Co., Box 32, Alger, Mich.

 ERNST, ROBERT F. (S'49-A'50-M'55), Prod. Engr., Cutter-Hammer, Inc., 430 Southern Blvd., New York 55, N.Y.

 ERNST, ROBERT F. (S'49-A'50-M'55), Prod. Engr., Cutter-Hammer, Inc., 430 Southern Blvd., New York 55, N.Y.

 ERNST, ROBERT F. (S'49-A'50-M'55), Prod. Engr., Convair, Ft. Worth 1, Tex.

 ERRINGER, ORVILLE W., J.R. (S'55-M'59), Lengr., Lengr., Convair, Ft. Worth 1, Tex.

 ERRINGER, ORVILLE W., J.R. (S'55-M'59), Lengr., Kemet Co. Div., Univo climbia Sect

- ERSKINE, H. RAWDON (S'53-A'56), Dev. Engr., Kemet Co. Div., Union Carbide Corp., 11901 Madison, Cleveland 7, Ohio.

- Onio.

 ERSTAD, JDHN (A'30-M'55), Pres., Wiltec Electronics, Inc., 53 Water St., South Norwalk, Conn.

 ERTELA, AHMEO (M'58), 322-A Stantord Dr., S.E., Albuquerque, N.M.

 ERTMAN, ROBERT J. (A'50-M'55), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- Y, N.Y.

 ERTMAN, WILLIS M. (M'58), Patent Atty., Fish,
 Richardson & Neave, 84 State St., Boston 9, Mass.

 ERTZ, CHARLES S. (A'52-M'58), Sr. Electronics Technician, Sylvania Elec. Prods., Inc., Mt. Pleasant St.,

 Burlington, Iowa.
- Burlington, Jowa.

 ERVI, WILLIAM L., JR. (M'56), Project Engr., Naval Ordnance Unit, Naval Annex, Key West, Fla.

 ERVIN, EUGENE E. (M'59), Sr. Project Engr., Allison Div., GMC, Indianapolis 6, Ind.

 ERVIN, HAROLD D. (M'54), Oesign Engr., Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Los Angeles 45, Calif. ERWAY, DUANE D. (S'57-M'59), Staff Engr., Electro-Optical Systems, 3016 E. Foothill, Pasadena, Calif. ERWAY, PHILLIP B. (S'48-A'51-M'56), Customer Engr., IBM, 420 E. Jefferson, Detroit, Mich.

 ERWIN, ERNEST (SM'58), Dir., Quality Control, Lockheed Aircraft Co., Marietta, Ga.

 FRWIN, EUGENEY. (S'46-A'49-M'55), Engrg. Designer,

- Aircraft Co., Marietta, Ga.

 ERWIN, EUGENE V. (5'46-A'49-M'55), Engro. Designer,
 Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.

 ERWIN, GEDRGE E. (S'50-A'51-M'56), Elec. Engr.,
 RCA, Camden N.J.

 ERWIN, HENRY P., JR. (M'56), Project Administrator,
 Westinghouse Elec. Corp., Air Arm Div., Box 746,
 Baltimore 3, Md.

 ERWIN, 10NN A. (M'55), Chief Engr. Martinghouse
- Baltimore 3, Md.

 ERWIN, JOHN A. (M'55), Chief Engr., Westinghouse Broadcasting Co., Inc., (Kex, Portland), 1230 S.W. Main St., Portland 5, Ore.

 ERWIN, RALPH L. (S'50-A'51-M'57), Research Engr., Boeing Airplane Co., Renton, Wash.

 ERWIN, ROBERT L., JR. (M'57), Sales Engr., GE Co., Utica, N.Y.

- Utica, N.Y.
 ERWOOD, JOHN (A'30-SM'51), Pres., Erwood, Inc.,
 1770 W. Berteau Ave., Chicago 13, III.
 ERWOOD, RICHARO G. (A'51-M'52), Research Engr.,
 Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.
 ERZNOZNIK, FRANK, JR. (A'43-A'45-M'48-SM'56),
 Design Engr., Douglas Aircraft Co., 827 Laphani St.,
 El Segundo, Calif.
- El Segundo, Cali[†].

 ESAKOV, DANIEL A. (A'52-M'56), Electronics Scientist, Hanscom Field, Bedford, Mass.

 ESCHELBACH, RICHARD E. (M'5B), Staff Engr., Communication Dept., Bendix Aviation Corp., 4 Ave., Ann Arbor, Mich.

- ESCHER, PETER H. (A'48-M'55), Sr. Scientist Electro-Optical Systems, Inc., 170 N. Daisy, Pasadena, Calif. ESCHNER, ALBERT, JR. (SM'57), Asst. Head, Circuits Sect., Data Processing Lab., Hughes Aircraft Co., Box 45515 Airport Sta., Los Angeles 45, Calif. ESCHNER, ALBERT H. (M'54), Research & Dev. Engr., RCA, Camden 2, N.J.

- RCA, Camden Z, N.J.

 SCOLANO, MANUEL (M'19), Presidente, Marconi Espanola,
 S.A., Alcala 45, Madrid, Spain.

 ESCRIBA, CHARLES F. (M'59), Equipment Specialist,
 Heavy Radar, RCA Service Co., 1818 Bannard St., East
 Riverton, N.J.

- Heavy Radar, RCA Service Co., 1818 Bannard St., East Riverton, N.J.

 ESCULIER, GUY G. (M'51), 37 Avenue Foch, Paris 16eme, France.

 ESH, ROGER W. (S'58-M'59), MSTS-NOR-PAC-SUB-AREA, Pier 91, Seattle 99, Wash.
 ESBACH, JOHN R. (S'47-A'51-M'57), Physicist, GE Co., Research Lab., The Knolls, Schnectady 9, N.Y.

 ESHBAUGH, ROBERT I. (S'57-M'59), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif.

 ESHER, J. ROBERT, J.R. (SM'55), Supvr., The Martin Co., Baltimore 3, Md.

 ESHER, MERTIL (A'52), Sr. Design Engr., Motorola, Inic., 3102 N. 56 St., Phoenix, Ariz.

 ESHLEMAN, PAUL W. (S'55-M'56), Test & Dev. Engr., Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

 ESHEMAN, VON R. (S'48-A'53-SM'55), Asst. Prof., Stanford Univ. Radio Propagation Lab., Stanford, Calif.

 ESKER, ANDREW T. (S'56-M'56), Elec. Engr., McDonnell Aircraft Corp., St. Louis 3, Mo.

 ESKINZES, JAMES G. (S'56-A'57), Engr., Melpar, Inc., 3000 Arlington Bird., Falls Church, Va.

 ESKRIDGE, TRAVIS P. (S'55-M'58), Project Engr., Chalco Engre, Chron., 15126 S. Broadway, Gardena, Calif.

 ESKENGER, RICHARD L. (A'44-S'45-A'47-M'57), Mkto. Mgr., Astronics Div., Lear, Inc., 3171 S. Bundy Dr., Santa Monica, Calif.

- Same Momica, Calif.

 ESMER, MITHAT (s'48-A'51-M'57), Tech. Adviser,
 Ministry of Press, Broadcast & Tourism, Ankara, Turkey.

 ESPELAND, RICHARD H. (S'56-M'58), Electronics
 Scientist, Naval Ordnance Lab., Corona, Calif.

 ESPENSCHIED, LLOYD (IRE Charter Mem.)(A'12-M'13-F'24)(L), Consultant, 99 82 Rd., Kew Gardens 15, L.I.,
 N.Y.
- ESPERSEN, GEORGE A. (A'34-SM'51-F'56), Research Physicist, Philips Labs., Irvington-on-Hudson, N.Y. ESPIG, MANFRED A. (A'56), Elec. Engr., RCA, Camden,
- SPLEY, DENNIS C. (SM'52-F'54), Chief Exec., Computer Developments, Ltd., Computer House, 390 Kenton Rd., Kenton, Middx., England.
- ESPOSITO, JOSEPH A. (A'57), Industrial Specialist, American Bosch Arma Corp., Garden City, L.I., N.Y. ESS, ALFRED J. (A'53-M'59), Systems Research Engr., Remington Rand Univac, St. Paul 16, Minn.

- Remington Rand Univac, St. Paul 16, Minn.
 ESS, HARRY E. Mi-59), Engr., Sylvania Elec. Prods.,
 Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.
 ESSEN, ORVILLE (S'51-Af-52-M'57), Instrumentation
 Design, Convair-Astronautics, San Diego, Calif.
 ESSIG, ROBERT D. (SM'56), Mgr., Tech. Operations Group,
 Collins Radio Co., Cedar Rapids, Jowa.
 ESSIGMANN, MARTIN W. (SM'53), Prof. & Head. Dept.,
 Elec. Engrg., Northeastern Univ., 360 Huntington Ave.,
 Boston 15, Mass.
- ESSINGER, PIERRE (A'58), Assoc. Engr., IBM, Endicott,
- N.Y.
 ESSLER, WARREN O. (A'47-M'55), Asst. Prof., South
 Dakota State College, College Sta., S.C.
 ESSLINGER, GLENN H. (S'56-M'59), V.P.,
 Nicholson's High Fidelity, Inc., 113-115 19 Ave., S.,
 Nashville 4, Tenn.
- ESSON, ROBERT C. (A'54), Sr. Engr. Aide, Overhead Distribution Div., Seattle City Light, 3rd & Madison, Seattle, Wash.
- STABROOK, ROBERT K. (A'58), Lt., USN Fasron, (Special) 201, Navy 240, c/o FPO, New York, N.Y. ESTELLE, WEEMS E. (M'47), V.P. Operations, Data-Control Systems, Inc., 39 Rose St., Danbury, Conn. ESTEN, PERRY W. (M'55-SM'56), Tech. Dir., Radio Free Europe, Av. Padre Manuel Da Nobrega 8B, Lisbon, Portugal.
- Portugal.

 ESTEP, CARL R. (J'31-A'33-VA'39), Research Engr., Earle C. Anthony, Inc., 141 N. Vermont Ave., Los Angeles 54, Calif.

 ESTERSOHN, HARRY (A'51), Mrs. Rep., 311 W. Mt. Pleasant Ave., Philadelphia 19, Pa.

 ESTERSON, GERALD L. (S'55-M'57), Analytical Engr., Westinghouse Corp., Air Arm Oiv., Box 746, Baltimore 3, Md.

- MCDonnell Aircraft, St. Louis, Mo.

 ESTES, BRUCE H. (M'56), Supvr., Analog Computing
 MCDonnell Aircraft, St. Louis, Mo.

 ESTES, CHARLES L. (S'42-A'45-M'51-SM'58), Chief
 Engr., Western Military Electronics Center, Motorola, Inc.,
 B201 E. McDowell Rd., Phoenix, Ariz.
- B201 E. McDowell Rd., Phoenix, Ariz.

 ESTES, DOUGLAS R., JR. (S'56-M'58), Research Engr.,
 Natl. Advisory Committee for Aeronautics, Langley AFB, Va.

 ESTES, FRED B. (A'31-VA'39), Field Engr., Western
 Electric Co., Chatham Rd., Winston-Salem, N.C.

 ESTES, HERBERT H. (A'5B-M'59), Staff Asst., Chrysler
 Corp., Missile Operations, Detroit, Mich.

 ESTES, JAMES F. (S'52-A'55), Communications Officer,
 USAF, 1969th AACS Sqdn., APO 125, New York, N.Y.

 ESTES, ROBERT M. (A'51), Counsel, Hotopoint Div., GE
 Co., 5600 W. Taylor St., Chicago 44, III.

 ESTES, SAMUEL E. (S'55-M'59), Staff Mem., Sandia
 Corp., Sandia Base, Albuquerque, N.M.

- ESTEVEZ, CESAR L. (M'48), Pres., Cesar Estevez L. Calle 17, #7-71, Ofc. #406/408, Apartado Aero 5806, Bogota, Colombia.
- ESTEY, HOWARD E. (A'52-M'57), Design Engr., GE Co., Utica, N.Y.
- STHIMER, WILLIAM F. (M'56), Project Engr., Baldwin-Lima-Hamilton Corp., Waltham 54, Mass. ESTIN, ARTHUR J. (S'49-A'50-M'54), Electronics Scien-tist, Natl, Bureau of Standards, Radio Standards Lab., Boulder, Colo.
- ESTKOWSKI, MICHAEL H. (A'51-M'58), Research & Oev. Engr., V-M Corp & J. L. D. Morrison Co., 7551 Melrose Ave., Hollywood, Calif.

- ESTOPPEY, ROYDEN F. (M'56), Sect. Chief, Weston Instruments Div., Daystrom, Inc., 614 Frelinghuysen Ave., Newark 12, N.J.
- Newark 12, N.J.

 ESTRADA, MELCHIOR S. (A'56-M'59), Engr., Admiral
 Corp., 901 S. California Ave., Palo Alto, Calif.

 ESTRADA-CASTRO, CARLOS J. (A'54-M'59), Tech.
 Dir., Radio Progreso S.A., Ave. Infanta v 25, Habana,
 Cuba.

- Dir., Radio Progreso S.A., Ave. Infanta v 25, Habana, Cuba.

 ESTRIN, GERALD (S'48-A'51-M'56), Prof., Engrg., Univ. of California, Los Angeles 24, Calif.

 ESTRIN, THELMA A. (S'48-A'51-M'58), Consultant Engr., 12414 Deerb.ook Lane. Los Angeles 49, Calif.

 ETCHES, E. D. (M'46), Mgr., Engrg., Radio Valve Co., 189 Dufferin St., Toronto, Ont., Canada.

 ETESON, DONALD C. (S'48-A'50-M'55), Assoc. Prof., Elec. Engr., Worcester Junior College, 766 Main St., Worcester B, Mass.

 ETHERIDGE, LEE R. (M'55), Weapon System Project Engr., Hgrs. ARDC, Det. 1, Wright-Patterson AFB, Ohio.

 ETKIN, HARRY A. (A'25-VA'39-SM'53), Supvr., Trenton Navy Inspection Div., Navy Dept., Inspector of Naval Material, Federal Bidg., Trenton, N.J.

 ETLINGER, LOUIS (A'55-SM'56), Patent Atty., Remington Rand. South Norwalk. Conn.

 ETO, HENRY S. (S'55-M'57), Electronics Engr., Motorola, Inc., B330 Indiana Ave., Riverside, Calif.

 ETT, ALLEN H. (M'53-SM'57), Research Group Supvr., Philod Corp., 4700 Wissahickon Ave., Philadelphia 44, Pain California (Stein Marcha).

- Pa.
 ETTEN, KEITH W. (S'56-M'58), 1867 Lincoln Ave.,
 San Rafael, Calif.
 ETTENBERG, MORRIS (A'45-M'50-SM'51), Research
 Assoc. Prof., Polytechnic Institute of Brooklyn, 55
 Johnson St., Brooklyn 1, N.Y.
- ETTER, WILLIAM A. (M'45), Electronics Engr., U.S. Army Signal Communication Engrg. Agency, Washington 25, D.C.
- ETTLINGER, ADRIAN B. (S'44-A'48-M'53), TV Engr., CBS-TV, 485 Madison Ave., New York 22, N.Y.
 ETTREDGE, VICTOR L. (M'56), Chief, Programs Branch, Directorate of Nuclear Systems, Wright-Patterson AFB,
- ETZOLD, DAVID J. (M'57), Group Engr., Martin Co.,
- Orlando, Fla.

 EUBANKS, JOHN M. (J'46-A'46-M'55), Engr., L.B.

 Smith Aircraft Corp., Miami Internatl. Airport, Miami 48, Fla.

 EUGENE, ANTONY F. (A'49-SM'58), Lt. Col., Indian

 Amy Corps, Elec. Mech. Engrs., Army Hgrs., New Delhi,
- EUKEL, WARREN W. (S'50-A'51-M'57), Research Engr., Applied Radiation Corp., Walnut Creek, Calif. EUL, EDWARD A., JR. (M'58), Electronics Engr., Magnaflux Corp., 7200 W. Lawrence, Chicago 31, III.

- Magnaflux Corp., 7200 W. Lawrence, Chicago 31, III.

 EULBERG, ROBERT J. (SM:57), Engro. Dir., Systems Reminston Rand Univac, St. Paul 16, Minn.

 EULER, JAMES R. (M'S8), Sr. Technician, Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo, N.Y.

 EULER KEITH C. (A'45), Flight Test Engr., No. Amer. Aviation, Internatl. Aimport, Los Angeles, Calif.

 EULER, LOUIS J., JR. (A'53), Sr. Engr., Pacific Telephone & Telegraph Co., Los Angeles 14, Calif.

 EULO, GEORGE R. (M'S3), Mgr., Special Prod. Sales, Curtiss-Wright Corp., Industrial & Scientific Div., Box 110, Princeton, N.;

 EUSTACE, ROBERT J. (S'55-M'56), Lt., USN, Project Officer, Tech. Standards Branch, Bureau of Ships, Code 694, Navy Dept., Washington, D.C.

 EUWER, HARRY G. (4'S8), Sales Service Rep., Sanborn
- 694, Navy Dept., Washington, D. C.
 EUWER, HARRY G. (4'58), Sales Service Rep., Sanborn
 Co., Glendale, Calif.
 EVALDS, EGILS H. (4'56), Job Engr., Robertshaw-Fulton
 Controls Co., Philadelphia 33, Pa.
 EVALLE, APOLIONIO S. (4'58), Chief Electronics &
 Communication Div., Bureau of Coast & Geodetic Survey,
 Manila, Philippines.

- EVANCICH, EMIL C. (S'48-M'56), Pres., Wirekraft, Inc., New Carlisle, Ind. EVANDER, HERBERT S. (S'48-A'50-M'55-SM'57), Exec. Engr., Tung-Sol Electric, Inc., 545 N. Arlington Ave., East Orange, N.J.
- EVAN-JONES, WALTER (A'54), Prod. Mgr., Mktg. Oept., RCA Victor Co., Ltd., 1050 LaCasse St., Montreal 25, P.Q., Canada.
- EVANS, ALBERT R. (A'46-M'58), Sr. Electronics Engr., Convair-Astronautics, San Olego 12, Calif. EVANS, ALFRED L. (A'58), Radio Engr., U.S. Army Element, Composite Operations Group, The Pentagon, Wash-ington 25, D.C.
- ington 25, D.C.
 EVANS, ANDERSON P., JR. (M'56), Project Engr., CBS-TV
 Engro. Dext., 485 Madison Ave., New York 22, N. Y.
 EVANS, ARTHUR O. (A'52-SM'57), Circuit Oev. Engr.,
 Texas Instruments, Inc., Box 312, Callas 21, Tex.
 EVANS, ARTHUR G. (S'46-A'49-M'55), Dev. Engr., RCA,
 501 N. LaSalle, Indianapolis, Ind.
 EVANS, BILL D. (M'56), Engr., Southern Bell Tel. & Tel.
 Co., 202 Government St., Mobile, Ala.
 CVANS, BILL D. (M'56), Engr., Southern Bell Tel. & Tel.
 Co., 202 Government St., Mobile, Ala.
 EVANS, BOB O. (A'53-M'56), Area Mgr., Prod. Oev. Lab.,
 IBM, Endicott, N.Y.
 EVANS, BOWMAN H. (A'57), 1034 S. Clyde Park Ave.

- EVANS, BOWMAN H. (A'57), 1034 S. Clyde Park Ave., Hawthorne, Calif.
- Frautiorne, Calif.
 EVANS, C. PORTER (A'42-M'46), Passive Oefense Engr.,
 San Francisco Naval Shipyard, San Francisco 24, Calif.
 EVANS, CARL B. (A'36-M'45), Pres. & Genl. Mgr., Evans
 Radio, Inc., Box 312, Concord, N. H.
- EVANS, CHARLES L. (A'44-M'55), V.P.-in-Chg., Engrg., Airtronics Internati. Corp., 6900 W. Road 84, Ft. Lauderdale, Fla.
- Laborrole, Fla.

 EVANS, CHARLES M. (M'58), Instr., Purdue Univ.,
 LaFayette, Ind.

 EVANS, CHARLES R. (A'54), Microwave Engr., Computing
 Devices of Canada, Box 508, Ottawa 4, Ont., Canada.

 EVANS, CHAUNCY R. (M'44), c/o V. Turmer, 1776 E. 9,
 S., Salt Lake City, Utah.
- EVANS, DONALD C. (S'53-A'53-M'59), Sr. Electronics Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio. EVANS, DONALO J. (M'55), Scientist, Dev. Sect., Pacific Naval Lab., HMC Oockyard, Esquimalt, B.C., Canada.

- EVANS, DONALD S. (M'5B), Electronics Engr., Electro Instruments, Inc., 3540 Aero Ct., San Diego, Calif. EVANS, EDWIN D., JR. (A'53-M'57), Electronics Engr., U.S. Signal Engro, Labs., Ft. Mommouth, N.J. EVANS, FRANK (S'52-A'54-SM'57), V.P., E-H Research Labs., Inc., 1922 Park Bivd., Dakland 6, Calif. EVANS, GARY E. (S'55-M'56), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. EVANS, GERGE (M'57), Asst. Research Officer, Natl. Research Council, Ottawa, Ont., Canada. EVANS, GERALD L. (M'57), Group Head, Advanced Techniques, Hughes Aircraft Co., Box 90902, Internatl. Airport Sta., Los Angeles 45, Calif.

- niques, Hughes Aircraft Co., Box 90902, Intermatl. Airport Sta., Los Angeles 45, Calif.
 EVANS, GORDON, JR. (S'57-A'58), Tech. Asst., Bell Tel. Labs., 204 Graham-Hopedale Rd., Burlington, N.C.
 EVANS, HARRY R. (A'45-M'45), Owner, Evans Communication & Electronics, 19 N. 29 St., Lafayette, Ind.
 EVANS, HARRY W. (S'43-A'47), V.P., Pacific States Univ., 1516 S. Western Ave., Los Angeles 6, Calif.
 EVANS, HAYDEN W. (S'36-SM'46), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 EVANS, HERRY L. (S'36-A'54), Mem. Research Staff, Univ. of Michigan, Willow Run Lab., Yosilanti, Mich.
 EVANS, HERRY L. (S'54-A'54), Mem. Research Staff, Univ. of Michigan, Willow Run Lab., Yosilanti, Mich.
 EVANS, HERB (A'52), Chief Engr., VTHS (Educ., FM-TV), Miami School System, 1410 N.E. 2 Ave., Miami, Fla.
 EVANS, HOWARD J. (S'41-A'42-SM'46), Mgr., Thermionics Sect., Electronics Lab., GE Co., Syracuse, N.Y.
 EVANS, JAMES C. (S'45-A'47-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 EVANS, JAMES C. (S'45-A'47-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 EVANS, JAMES C. (S'49-A'54-M'59), Assoc. Engr., Boeing Airplane Co., 1526 N. Pershing, Wichita, Kan.
 EVANS, JAMES P. (M'57), Sr., Instr., Capitol Radio Engrg., Institute, 3224 16 St., N.W., Washington 10, D.C.
- L.I., N.Y.

 EVANS, JAMES P. (M'57), Sr. Instr., Capitol Radio Engrg. Institute, 3224 16 St., N.W., Washington 10, D.C.

 EVANS, JERRY E. (M'55), Electronics Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 EVANS, JOHN (M'55), Color Kinescope Design Engr., RCA, New Holland Pike, Lancaster, Pa.

 EVANS, JOHN A. (M'52), TV Transmitter Engr., WTMJ-TV, Milwaukee Journal, Radio City, Capital Dr., Milwaukee, Wis.

 EVANS, KENNETH R. (A'55-M'56), Dev. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 EVANS, KENNETH T. (M'58), 616 S. George St., Mt. Prospect, III.
- ct, III.

- EVANS, KENNETH T. (M'58), 616 S. George St., Mt. Prospect, III.

 ESPENLAUB, WALTER C. (S'48-A'49-M'55), Engr., Airborne Instruments Lab., 160 Did Country Rd., Mineola, L.I., N.Y.

 EVANS, LEE L. (M'58), Engr., Texas Instruments, Inc., Box 312, Dalias, Tex.

 EVANS, LOUIS L. (SM'57), Project Leader, Missile & Surface Radar Div., RCA, Moorestown, N.J.

 EVANS, NATHAN L., JR. (S'48-A'51-M'56), Dev. Engr., ITT Labs., Nutley 10, N.J.

 EVANS, NORDL T. (M'54), Project Engr., Hoffman Labs. Div., 3717 S. Grand Ave., Los Angeles 7, Calif.

 EVANS, PETER R. N. (A'56), Sales Engr., Canadian Marconi Co., 1710 3rd St., N.E., Calgary, Alta., Canada.

 EVANS, PORTER H. (M'23-F'31)(L), Retired, 63 Hill St., Morristown, N.J.

 EVANS, R. EVERETT (S'48-A'50-M'55), Research Engr., Boeing Aimlane Co., Seattle. Wash.

 EVANS, RALPHA, (A'56-SM'56), Research Physicist, Link-Belt Research Lab., 220 S. Belmont Ave., Indianapolis 6, Ind.

- Ind.

 EVANS, RALPH D. (S'55-A'56), Tech. Asst., Project Engrg., Western Electric Co., Chatham Rd., Winston-Salem 4, N.C.

 EVANS, RALPH E. (M'56), Dir., Engrg., Bartell Broadcasters 3500 N. Sheman Blvd., Milwaukee 16, Wis.

 EVANS, RAY C. (A'53), Chief Engr., WNOX, Scripps Howard Radio, Inc., 4400 Whittles Springs Rd., Knoxville 17, Tenn.

 EVANS, RICHARD E. (A'4B-M'55), Mgr., Pioneering Research Div., Remington Arms Co., Inc., 939 Barnum Ave., Bridgeport 2, Conn.
- EVANS, RICHARD F. (S'58-M'59), Assoc. Engr., Martin Co., Baltimore 3, Md. EVANS, RICHARO J. (S'50-A'54), Electronics Engr., Natl. Bureau of Standards, Dept. of Commerce, Washington 25, D.C.

- D.C.
 EVANS, ROBERT J. (A'44-M'52), Chief Radio Engr., Michigan State Police, East Lansing, Mich.
 EVANS, ROBERT L. (A'57), Assoc. Engr., Sperry Gryroscope Co., Great Neck, L.I., N.Y.
 EVANS, ROBERT R. (M'57), Sr. Engr., Lab. for Electronics, 75 Pitts St., Boston, Mass.
 EVANS, ROBERT W. (A'58), Telecommunications Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester, N.Y.
 EVANS, ROGER (S'53-A'54), Electronic Computer Engr., Culf Research & Development Co., Box 2038, Pittsburgh 30, Pa.
- EVANS, ROGER A. (S'54-A'55), Sr. Deisgn & Oev. Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y. EVANS, SPENCER (S'58-A'59), Teacher, Basic Electronics, Capitol Radio Engrg. Institute, 3224 16 St., N.W., Wash-ington 10, D.C.
- ington 10, D.C.

 EVANS, STANLEYB. (SM'58), Chief Electronics Engr., The
 Ever Ready Co. (G.B.), Ltd., Hercules Pl. Holloway, London
 N.7., England
 EVANS, THOMAS L. (A'52-M'57), Secy., Dome & Margolin,
 Inc., 29 New York Ave., Westbury, L.I., N.Y.

 EVANS, THOMAS P. (SM'54), Dir., Research & Dev., American Machine & Foundry Co., 261 Madison Ave., New York
 16, N.Y.
- 16, N.Y.

 EVANS, THOMAS R. (M'57), Elec. Engr., Jansky & Bailey, Inc., 1339 Wisconsin Ave., Washington, D.C.

 EVANS, VIVIAN D. (A'59), Internatl. Aeradio, Ltd., David Sassoon Bido., McLeod Rd., Karachi, Pakistad., David Sassoon Bido., McLeod Rd., Karachi, Pakistad., Instr., Mathematics, Wm. Penn Charter School, School Lane & Fox Sts., Philadelphia 44, Pa.

 EVANS, WALTER H. (A'48-M'55), Prof., Elec. Engrg., Univ. of Arizona, Trucson, Ariz.

 EVANS, WILLIAM A., JR. (S'57-M'59), Reliability Engr., Western Electric Co., Lexington Road, Winston-Salem, N.C.

- EVANS, WILLIAM C. A. (M'57), Chief Telecommunications Officer, Iranian Construction Group N. V., Yamin Bldg., Koochen Berlin, Teheran, Iran.

 EVANS, WILLIAM E. (S'46-A'49-SM'54), Mgr., Video Systems Lab., Stanford Research Institute, Menlo Park, Calif.

 EVANS, WILLIAM H. (M'5B), Genl, Engr., Chesapeake & Potomac Telephone Co., 930 H. St., Washington, D. C.

 EVANS, WILLIAM M. (M'5B), Genl, Engr., Chesapeake & Potomac Telephone Co., 930 H. St., Washington, D. C.

 EVANS, WILLIAM M. (M'53), Sr., Engr., Norair Div.,
 Northrop Corp., Hawthorne, Calif.

 EVANSON, GILBERT L. (A'5B), Service Technician, Bendix
 Radio Div., Baltimore, Md.

 EVELETH, JASON H. (M'59), Supvr., Delay Line Prod.
 Engrg., Corning Glass Works, Bradford, Pa.

 EVENDORFF, SEYMOUR (M'59), Electronics Engr., Naval
 Inspector of Ordnance, 1675 W. 5 st., Pomona, Calif.

 EVENSON, HARLOW J. (S'49-A'50-M'55), Research Engr.,
 Boeing Airblane Co., Seattle, Wash.

 EVEN-TOV, ORI (S'55-M'57), Elec. Engr., Remington Rand
 Univac, 1900 Allegheny Ave., Philadelphia, Pa.

 EVEREST, F. ALTON (A'38-SM'44), Dir., Science & Production, Moody Institute of Science, 11428 Santa Monica
 Blvd., Los Angeles 25, Calif.

 EVERETT, FRANCIS A. M. (A'35-VA'39), Repairman, Pactific Talenbone & Telepranh Co., 720 Western Ave., (Glen-

EVERETT, FRANCIS A. M. (A'35-VA'39), Repairman, Pa-cific Telephone & Telegraph Co., 720 Western Ave., Glen-dale, Calif.

gaie, Jailf.
EVERETT, FREDERICK C. (A'36-VA'39-M'55), Sta. Engr., NBC, Foot of Culp St., Philadelphia 2B, Pa.
EVERETT, JAMES E. (A'42-M'46), Pres., Dynapar Corp., 5150 Church St., Skokie, III.
EVERETT, JOHN A. (A'49), Electronics Technician, Instrument Operations Div., U.S. Naval Ordnance Test Sta., China Lake, Calif.

ment Operations DIV., U.S. naval Ordinare Test 2007, March Lake, Calif Chan AD (\$133-A'35-SM'44), Sr. Project Engr., ITT Labs., Nutley 10, N. J.
EVERETT, THOMAS D. (\$'51-A'55), Mfg. Design Engr., GE Co., 40 Hughes St., Youngstown, Ohio.
EVERETT, WILLIAM G. (\$'57-M'5B), Patent Engr., Industrial Nucleonics Corp., 650 Ackerman Rd., Columbus 14, Ohio.

trial Nucleonics Corp., 650 Ackerman Rd., Columbus 14, Ohio.

EVERHARD, FRED U., JR. (A'53), Systems Engr., RCA Service Co., B3B N. Henry St., Alexandria, Va. EVERHART, CARROLL W. (M'59), Engr., P. R. Mallory & Co., Inc., 30.29 E. Washington St., Indianapolis 6, Ind. EVERHART, CARROLL W. (M'59), Engr., P. R. Mallory & Co., Inc., 30.29 E. Washington St., Indianapolis 6, Ind. EVERHART, THOMAS E. (S'57-M'59), Applications Engr., Airpax Electronics, Inc., Box 948B, Ft. Lauderdale, Fla. EVERHART, THOMAS E. (S'54-M'59), Engra. Dept., Univ. of California, Berkeley 4, Calif. EVERINGHAM, LLOYD R. (SM'56), V.P., Research, Radation, Inc., Box 9694, Orlando, Fla. EVERITT, BLANKS A. (M'5B), Radio Engr., City of Clearwater, Fla. EVERITT, WILLIAM L. (A'25-M'29-F'3B), Dean of Engrg., Univ. of Illinois, Urbana, Ill. EVERNCAM, JOHN L. (S'57-M'59), Lt., USN, Staff Command Des Ron 2, FPD, New York, N.Y. EVERS, ANTHONY J. (S'52-A'54-M'59), Instr., Univ. of Notre Dame, Notre Dame, Ind. EVERS, JAMES T. (A'3B-VA'39-M'55), OFC, Tech. Plans, U.S. Army Signal Engry. Labs., Ft. Monmouth, N.J. EVERSON, CLAUDE T. (A'4B), Den. Mgr., X7A Project, Lockheed Aircraft Corp., Missiles Div., Sunnyvale, Calif. EVERTS, SAMUEL G. (SM'59), Research Specialist, Lockheed Missile & Soace Div. Sunnyvale, Calif.

Utica, N. Y.

EVETTS, SAMUEL G. (SM'59), Research Specialist, Lockheed Missile & Space Div., Sunnyvale, Calif.

EVEY, RONALD R. (S'55-M'57), Electronics Engr., Microwave, Research & Dev., Convair, San Diego 12, Calif.

EVFIMENKO, ANDREW (S'53-A'55), Field Service Engr., Hughes Aircraft Co., Internatl. Airport, Los Angeles 45, Calif.

EVIN, NEJDET I. (M'57), IBM, Poughkeepsie, N.Y EVINGER, HUBERT W. (A'54), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont St., Anaheim, Calif.

EVIS , FREDERICK A. (A'43-M'55), Medico-Legal Consul-tant to the Ontario Dept. of Health & The Ontario Hospital Services Commission , Parliament Bldgs. , Toronto, Ont. ,

Canada.

EVITT, WILBUR B. (A'56), Site Engr., Mgr., RCA
Service Co., Camden B, N.J.

EVJEN, HAAKON M. (SM'57), Chief, Science Sect., I & E
Div., Signal Communications Dept., Army Electronic Proving
Ground, Ft. Huachuca, Ariz.

EVON, JOSEPH (S'48-A'50-M'57), Supvy. Engr.,
Westinghouse Elec. Corp., Bath, N.Y.

EWALD, EARL R. (A'43-M'55), Mgr., Tube DIv., Eureka
Williams Corp., 1201 E. Bell St., Bloomington, Ill.

EWALD, HARRY W. (M'59), Electronics Engr., U. S. Army
Signal Equipment Support Agency, Coles Area, Ft. Monmouth,
N.J.

EWALD, LIIX H. (AMED), COL. (T.)

N. J.

EWALD, LUX H. (M'59), Chief Engr., Ewald Instruments, Rte. 7L, Kent, Conn.

EWALD, WILLIAM J. (A'56), Systems Engr., Burroughs, 511 N. Broad St., Philadelphia, Pa.

EWANUS, WALTER (S'50-A'51-M'55), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

EWART, JOHN M. (S'49-A'50-M'56), Field Engr., Minneapolis-Honeywell Regulator Co., 2753 4 Ave., S., Minneapolis B, Minn.

EWELL, ROBERT M., JR. (S'55-A'58), Field Service Engr., Datamatic Corp., 151 Needham St., Newton 61, Mass.

Eigr., Dasemaric Corp., 191 neednam St., Newton 61, Mass.

EWEN, HAROLD I. (SM'54), Pres., Ewen Knight Corp., 206 A St., Needham Heights, Mass.

EWERT, ARNOLD C. (M'47), TV Master Control Engr., NBC, 30 Rockerfeller Plaza, New York 20, N.Y.

EWING, ANDREW, JR. (S'56-M'57), Prod. Line Mgr., Aladdin Electronics, Murfreesboro Rd., Nashville, Tenn. EWING, CHARLES E. (M'59), Tech. Writer, Renner, Inc., 1530 Lumbarulo St., Philadelphia, Pa.

EWING, DONALD J., JR. (S'51-45'33-M'58), Assoc. Prof., Elec Engrg., Univ. of Toledo, Toledo 6, Ohio.

EWING, DONALD L. (M'49), Assoc. Dir., Dev., Interstate Electronics Corp., 707 E. Vermont, Anaheim, Calif.

EWING, DOUGLAS H. (SM'46-F'54), V.P., Research & Engrg., RCA, Princeton, N.J.

EWING, GEORGE W. (A'45-M'55), Electronics Instrument Repairer, USAF, Norton AFB, San Bernardino, Calif.

EWING, J. HUNTER (M'53), Sales Engr., Gawler-Knoop Co., B732 Flower Ave., Silver Spring, Md.

CO., B732 Flower Ave., Silver Spring, Md.
EWING, JAMES E. (A'54), Prod. Planning, IBM,
Poudhkeeosie. N. Y.
EWING, LEWIS M. (S'39-A'40-SM'46), Supvr., Systems
Reliability & Standards Engrg., HMED, GE Co., Syracuse
1, N. Y.
EWING, ROBERT D. (S'47-A'50-M'52-SM'5B), Tech. Specialist, Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn.

eapoils 1.5, Minn.
EWOLDT, HOWARD J. (S'55-M'59), Mem. Tech. Staff,
Bell Tel. Labs., Murray Hill, N. J.
EXLEY, LAWSON (S'4B-A'52-M'57), Environmental Engr.,
Bendix Aviation Corp., 3300 Plymouth Rd., Ann Arbor,
Mich.

EXNER, WILLIAM L. (S'39-A'41-M'55-SM'56), Sr. Mem. Tech. Staff, Communications Div., Hughes Aircraft Co., Box 9D9D2, Los Angeles 45, Calif.
EYKHOFF, PIETER (M'59), Visiting Research Scientist, Electronics Research Lab., Univ. of California, Berkeley 4, Calif.

4, Calif.

EYKHOLT, AUGUST L. (S'54-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

EYNON, JAMES U. (M'56), Chief, Physical Methods Group, Research & Dev. Dett., Leeds & Northrup Co., 4901

Stenton Ave., Philadelphia 44, Pa.

EYRAUD, JOHN P. (S'52-M'55), Research Engr., California Institute of Technology, J. P. L., 4800 Oak

Grove Dr., Pasadena, Calif.

Grove Dr., Pasadena, Calif.
EYRE, C.LIFFORD (M'59), ISM, Poughkeepsie, N.Y.
EYRES, WILLIAM G. (SM'59), Sr. Engr., Texas
Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
EYSTER, JAMES A. (SM'5B), Patent Agent, Genl. Precision Lab., Inc., 63 Bedford Rd., Pleasantville, N.Y.
EYTAN, KLARA (A'577), Box 9, Canoth Near Gedera, Israel.
EZOE, HIROHIKO (SM'57), Research Fellow, Chief of the
Electronics Lab., Rikagaku Kenkyusho, The Institute of
Physical & Chemical Research, 31, Kamifukimae-cho,
Komanome, Bunkyo-ku, Tokyo. Janan. Komagome, Bunkyo-ku, Tokyo, Japan.

FA, CHARLES H. (S'54-M'58), Design Engr., Semi-conductor Div., RCA, Somerville, N. J.
FABBIOLI, LEON F. (S'50-A'52-M'57), Systems Engr.,
RCA, Moorestown, N.J.

KCA, Moorestown, N.J.
FABBRICATORE, LOUIS (S'53-A'54), 258-03 86 Ave.,
Floral Park, L.I., N.Y.
FABER, DONALD C. (S'53-A'55), Sr. Field Engr., Bendix
Radio Div., Towson 4, Md.
FABER, MARTIN J., JR. (S'53-A'55), Field Engr.,
Hazeltine Electronics Div., 13B Haven Ave., Port
Washington, L.I., N.Y.
FABER WILLIAM M. S.D. (S'SR-M'50), Commic Project

wasnington, L.I., N.Y.
FABER, WILLIAM M., SR. (S'58-M'59), Ceramic Project
Engr., Chicago Telephone Supply, Elkhart, Ind.
FABIAN, SHERMAN H. (S'52-A'53-M'58), Mem. Tech.
Staff, Hughes Aircraft Co., Culver City, Calif.
FABIANIC, WILLIAM S. (S'54-M'58), Ens., USN, Civil
Engr. Corps, Public Works Dept., U.S. Naval Air Sta.,
Norfolk 11, Va.

Norfolk 11, Va.

FABIJAN, FRANK M. (A'54), Communications O'ficer, USAF, 1933 AACS Sadn., APO 864, New York, N. Y.

FABIK, RICHARD H. (S'53-A'54), Production Dev. Engr., GMC, Sandusky, Ohio, M. S.

FABISZEWSKI, HENRY (M'64), Group Leader, Canadair, Ltd., Box 6087, Montreal, P. Q., Canada.

FABRICANT, BERNARD S. (S'55-M'58), Engr., American Bosch Arma Corp., Garden City, L. I., N.Y.

FABRICANT, PAUL (A'35-VA'39), Pres., Ets. Radiophon, 50 Rue Du F., Poissonniere, Paris, France.

FABRICUS, JOHN H. (M'53), Subyy. Engr., Sprague Electric Co., North Adams, Mass.

FABRIN (KYRIL W. (S'56-A'57), Engr., Microwave Lab.,

FABRICIUS, JOHN H. (M'53), Supvy, Engr., Sprague Electric Co., North Adams, Mass.
FABRIN, KYRIL W. (S'56-A'57), Engr., Microwave Lab., Ostervoldgade 10 G2, Copenhagen K, Denmark.
FABSITS, EDWARD J. JR. (S'56-A'57), Lab. Technician, Admiral Corp., 3B00 Armitage, Chicago, III.
FACE, GORDON D. (M'57), Engr., GE Co., Syracuse, N.Y.

FACE, GORDON D. (M'57), Engr., GE Co., Syracuse, N.Y.
N.Y.
RACER, RICHARD S. (A'54), Digital Computer Programmer, U. S. Army Signal Supply Agy., 225 S. 18 St., Philadelphia 3, Pa.
FACEY, JOHN W. (A'13-VA'39) (L), Retired, Synod House, 110 St. & Amsterdam Ave., New York, N.Y.
FACHTMANN, RICHARD R. (S'55-M'58), Mem., Tech. Staff, Hughes Alteraft Co., Culver City, Callif.
FACID, VICTOR J. (M'59), Systems Engr., Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.
FACKENTHAL, DALE F. (A'59), TV Engr., WGN, Inc., 441 N. Michigan Ave., Chicago, III.
FACKLER, CHESTER M., JR. (M'58), Mgr., Quality Engrs. Electronic, IBM, Newtown Rd., Lexington, Ky.
FACTOR, SHELDON (S'54-A'55), Field Engr., Federal Electric Corp., Box 347, Lodi, N.J.
FADDEN, BROWNLOW J. (S'54-M'56), 1st Lt., USAF, Asst. Airborne Electronics Officer, Box 455a, Patrick AFB, Fla. FADDEN, BROWNLOW J. (S'54-M'58), Davies Labs. Div., Minneapolis-Honeywell Regulator Co., 10721 Hanna St., Beltsville, Md.
FADDEN, JAMES J. (S'54-M'57), Assoc. Mem., Tech.

FADDEN, JAMES J. (S'54-M'57), Assoc. Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.

Statf, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.

FADEM, RICHARD J. (M'56), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

FADIMAN, JONATHAN R. (M'58), Project Engr., Digital Equipment Corp., Main St., Maynard, Mass.

FAFARMAN, ALFRED (M'56), Mem. Tech. Staff, Hughes Research & Development Labs., Culver City, Calif.

FAFLICK, CARL E. (S'50-A'54), Mgr., Antenna & Microwave Dept., Sylvania Elec. Prods., Inc., Waltham, Mass.

FAGAN, BURTON B. (M'58), American Rep., SINDEL/CEA, Milan, Italy.

FACAN, DONALD F. (M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

FAGAN, JAMES R. (S'50-A'51-M'58), Owner, Commercial Radio Co., 1116 34 St., Lubbock, Tex.

FAGAN, PETER (SM'56), Staff Mem., Los Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

FAGEN, MORTON D. (M'43-SM'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

World Radio History

FAGERLIND, SVEN G. (A'56), Designer, Svenska Radio A.B., 12 Alstromergatan, Stockholm 12, Sweden. FAGERSTONE, DALE V. (S'57-A'5B), Technician, Sears Roebuck & Co., 320 S. Center, Casper, Wyo.

FAGERSTONE, DALE V. (5'57-A'5B), leconician, sears Roebuck & Co., 320 S. Center, Casper, Wyo. FAGG, WILLIAM H. (A'54), Technician, Reminoton Rand Univac, 1535 N. Meridian St., Indianapolis 2, Ind. FAGIN, SAMUEL L. (A'51-M'56), Sr., Staff Engr., Genl. Precision Lab., Inc., Pleasantville, N.Y. FAGNONI, ELIO A. (A'50), Dir. Officine Toscane Elettromeccaniche, Via di Caciolle 15, Firenze, Italy. FAGT, BORGE M. (M'56), Sr., Engr., Sophus Berendsen Ltd., Vester Farimagsaade 41-2, Cosenhagen, V., Denmark. FAHEY, JOHN R. (S'56-M'5B), Test, Engr., McDonnell Aircraft Corp., Box 516, St., Louis 3', Mo. FAHMY, ALII. (A'55), Engr., Inc.-Chp., Egyptian State Broadcasting Stas., Abu-Zaabal, Cairo, Egypt. FAHMY, MOSTAFA N.I. (M'58), U.A.R. Broadcasting, Cairo, Egypt.
FAHNESTOCK, DALE L. (S'57-M'59), Elec. Engr., Natl. Security Agency, Ft. Meade, Md.
FAHNESTOCK, RICHARD J. (S'4B-A'50-M'55), Sr., Mem. Tech. Staff, Ground Systems Div., Hughes Aircraft Co., Fullerton, Calif.
FAHRINGER, GERALD S. (A'5B), Electronics Scientist,

Fullerton, Calif.

FAHRINGER, GERALD S. (A'5B), Electronics Scientist, Air Force Cambridge Research Center, Bedford, Mass.

FAHRINGER, WILLIAM H. (A'477), Electronics Engr., Burroughs Corp., 6071 2nd Ave., Detroit 2, Mich.

FAHRMEIER, MELVIN L. (S'46-A'50-M'58), Tech.

Specialist, IBM, 2640 Canal St., New Orleans, La.

FAHRNEY, RICHARD L. (S'56-M'57), Elec. Engr., USAF, Wright-Patterson AFB, Ohio.

FAHY, EDWARD J. (S'42-A'45-M'55-SM'56), Capt., USN, Production Officer, Mare Island Naval Shipyard, Vallejo, Calif.

FAIGE, M. D. (SM'51), Pres. American Selectifier Div.

USN, Production Officer, Mare Island Naval Shipyard,
Vallejo, Calif.
FAIGE, M. D. (SM'51), Pres., American Selectifier Div.,
630 9 Ave., New York 36, N. Y.
FAIGEN, IVAN M. (S'47-A'50-SM'57), Mgr., Chu Associates, Box 387, Whitcomb Ave., Littleton, Mass.
FAILS, WESLEY A. (M'46), Project Engr., Litton Industries,
336 N. Foothill, Beverly Hills, Calif.
FAIMAN, ROBERT N. (SM'57), Dean, College of Technology,
Univ. of New Hampshire, Durham, N. H.
FAIN, DAVID L. (A'57), Radiation Electronics Corp.,
8241 Kimball, Skokie, Ill.
FAIN, WILLIAM W. (M'56), Engrg. Specialist, ChanceVought Aircraft, Dallas, Tex.
FAIR, DELBERT W. (M'56), Supvr., Research Group,
Continental Oil Co., Ponca City, Okla.
FAIR, EDWARD G. (A'53), Guided Missile Instr., USAF,
516 M. T. D., George AFB, Calif.
FAIR, RIVIN E. (A'59-VA'39-M'55), Engr., Bell Tel.
Labs., Whippany, N. J.
FAIR, RIVIN E. (A'59-VA'39-M'55), Engr., Bell Tel.
Labs., Whippany, N. J.
FAIR, RIVIN S. (S'54-M'57), Co. D., Signal School
Regt., Ft. Mommouth, N. J.
FAIRBANNS, AVARD F. (S'47-A'48-M'55), Industrial
Consultant, 2417 N. Angelus Ave., South San Gabriel,
Calif.
FAIRBANNS, CHARLES G. (S'56-A'57), Training Asst.,
Raythene Mfg. Co. Walandam, 72 Alasse

Calif.

FAIRBANKS, CHARLES G. (S'56-A'57), Training Asst.,
Raytheon Mfg. Co., Watertown 72, Mass.

FAIRBANKS, DAVID I. (S'52-M'56), Instr. School of Elec.
Engra., Univ. of Buffalo, Buffalo 14, N.Y.

FAIRBANKS, GARY G. (S'55-M'57), Electronics Design
Engr., Collins Radio Co., 2700 W. Olive, Burbank, Calif.

FAIRCHLD, ILER J., JR. (M'57), Supvr., Reliability
Group, Melpar, Inc., 3000 Arlington Blvd., Falls Church,
Va.

Va.

FAIRCHILD, SHERMAN M. (A'52), Pres., Fairchild Recording Equipment Corp., 10-40 45 Ave., Long Island City 1, N.Y.; Chairman of the Board, Fairchild Camera & Instrument Corp., Robbins Lane, Syosset, L.I., N.Y.; Dir., Fairchild Engine & Airplane Corp., Hagerstown, Md., & G.M. Giannini & Co., Inc., Pasadena, Calif.; Dir., IBM, 590 Madison Ave., New York, N.Y.

FAIREY, TOM E. (A'54-M'55), Lead Nuclear Designer, Westinghouse Atomic Power Div., Box 1468, Pittsburgh 30, Pa.

FAIRFAX, OSMOND M. (M'57-SM'58), Cmdr., Royal Navy Engr., in-Ciby, Radio, Radar & AyS, H.M. Dockyard, Devonport, Devon, England.

FAIRFIELD, HOMER R. (S'50-A'53-M'58), Research Engr.,

vonport, Devon, England.
FAIRFIELD, HOMER R. (S'50-A'53-M'58), Research Engr.,
Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.
FAIRLEY, DAVID O. (S'56-M'58), Electronics Engr.,
Hughes Aircraft Co., 3801 Artesia St., Fullerton, Calif.
FAIRMAN, JAMES F., JR. (M'58), Asst. Sponsor Engr.,
Westinghouse Elec. Corp., 700 Braddock Ave., East Pittsburgh, Pa.

Durgn, Pa.
FAIRSTEIN, EDWARD (S'44-A'46-SM'54), Sr. Dev. Engr.,
Oak Ridge Natl. Lab., Box X., Oak Ridge. Tenn.
FAIRWEATHER, BURTON A. (A'42-M'55), Mem. Tech.
Staff, Bell Tel. Labs., Whippany, N.J.
FAIRWEATHER, DONALD R. (M'57), Systems Project Engr.,
Raytheon Mfg. Co., Haverhill, Mass.

FAIRWEATHER, DONALD R. (M/S7), Systems Project Engr., Raytheon Mrg. Co., Havemill, Mass.

FAIRWEATHER, ROBERT W. (A'47-M'55), Electronics Scientist, Navy Dept., Material Lab.,; N.Y. Naval Ship-yard, Brooklyn, N.Y.

FAIST, CHARLES A. (A'48), Radio Technician, Rockland County, Box. 238, Spring Valley, N.Y.

FAITH, WINSTON O. (SM'58), Dir., Advanced Engrg., Varo Mrg. Co., Inc., 2201 Walnut St., Garfand, Tex.

FAITHORN, NATHANIEL R. (S'37-A'39-M'47), Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

FAKLIS, JOHN J. (A'57), Industrial & Broadcast Sales Engr., Allied Radio Corp., 100 N. Westem Ave., Chicago BO, III.

FALCO, ENZO E. (M'58), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

FALCO, MICHAEL F. (M'56-SM'58), Elec. Engr., 8 endix Aviation Corp., 400 S. Beiger, Mishawaka, Ind.

FALCON, GORDON L. (M'53), Sales Engr., Dublier Condenser Co., Ltd., Victoria Rd., North Acton, London W 3, England.

FALCONE, JORGE A. (S'54-M'57), 434 Bicente Casullo, J.

land.

FALCONE, JORGE A. (S'54-M'57), 434 Bicente Casullo, J. Ingenieros FCNGSM, Buenos Aires, Argentina.

FALCONE, JOSEPH (M'58), Chief, Engry. Services Div., Natl. Sccurity Agensy, Washington 25, D. C.

FALCONER, ROBERT (S'53-A'55-M'57), Fngr., GE Microwave Lab., 601 California Ave., Palo Alto, Calif.

FALCONER, STANLEY (A'55), Engrg. Specialist, Sylvania Elec. Prods., Inc., Waltham, Mass.

FALES, DAVID, III (A'51-M'55), Project Engr., Electronics, The Martin Co., Middle River, Md.

- FALK, BENJAMIN (A'55), Sales Mgr., The Arnold Engrg.

- Co., Marengo, III.

 FALK, BERND (S'49-A'50-M'58), Sr. Aerophysics Engr., Aerophysics Lab., Convair, Ft. Worth, Tex.

 FALK, DONAL D.B. (A'54), District Sales Engr., GE Co., LMEO, 333 W. 1st St., Dayton, Ohio.

 FALK, HAROLO C. (S'56-M'58), Instr., Elec. Engrg., South Dakota State College, Brookings, S.D.

 FALK, MORRIS B. (A'52), Diamond Ordnance Fuze Labs., Washington 25, D.C.

 FALK, TOMAS (M'59), Design Engr., American Optical Co., Box A, Buffalo 15, N.Y.

 FALK, WILLIAM R. (S'57-M'58), 2922 20 Ave., Rockford, III.

- FALKENBACH, GEORGE J. (S'48-A'50-M'55-SM'57), Principal Elec. Engr., Battelle Institute, 505 King Ave., Columbus 1, Ohio.

- Columbus 1, Ohio.

 FALKENBERG, HERBERT R. (M'51), Genl, Engr., Air Proving Ground Center, Eglin AFB, Fla.

 FALKENHAM, GLEN A. (S'57-A'5B), Engr., Raytheon Mfg. Co., Andover, Mass.

 FALKNOR, FRANK B., JR. (S'54-A'55), Engr., Western Union, 60 Hudson St., New York, N. Y.

 FALKOWITZ, MURRAY (A'53-M'58), Sect. Head, Missile Systems Lab., Sylvania Elec. Prods., Inc., Waltham, Mass.

 FALKOWSKI, ALBERT J. (M'51-SM'55), Electronics Scientist, Wright Air Development Center, Wright-Paterson AFB, Ohio.
- FALL, STEWART T. (S'53-M'57), Radio Engrg. Asst., British Columbia Telephone Co., 768 Seymour, Vancouver 2, B. C.

- British Columbia Telephone Co., 768 Seymour, Vancouver 2, B. C.

 FALLER, JACK H. (S'58-M'59), Reactor Technician, Phillips Petroleum Co., AED, Idaho Falls, Idaho.

 FALLIR, JOSEPH (M'54), Supyy. Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 FALLON, CARLOS (A'57), Chief Mech, Design Engr., Nems-Clarke Co., 919 Jesup Blair Dr., Silver Spring, Md.

 FALLON, GLOVER P. (SM'53), Elec. Engr., Baltimore Gas & Electric Co., Baltimore 3, Md.

 FALLONA, JAMES P. (S'57-M'58), 1024 William St., London, Ont., Canada.

 FALLONS, ROBERT W. (A'55), Quality Coordination Mgr., RCA, 501 N. LaSalle, Indianapolis, Ind.

 FALLOWS, ERREST M. (S'41-A'42), Research Engr., Raytheon Mfg. Co., Bedford, Mass.

 FALLOWS, RICHARD S. (S'42-A'45-M'55), Tech. Staff Mitre Coro., 2244 Wood St., Lexinoton. Mass.

 FALLS, MARSHALL P. (SM'53), Engr., RCA, MTP, Patrick AFB, Fla.

 FALOR, OWEN K. (S'54-M'57), Dev. Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 FALT, PHILLIP J. (A'57), Re-Entry Vehicle Specialist, GEo., 280 Rokensen N.Y.

 FALT, PHILLIP J. (A'57), Re-Entry Vehicle Specialist, GEO., Ronkrondera, N.Y.

 FALT, O., Ronkrondera, N.Y.

 FALTIN, JOHN W. (A'43-M'50-SM'52), Engr., Sperry Gyroscope Co., Ronkrondera, N.Y.

- Canavera1, Fla.
 FALTIN, JOHN W. (A'43-M'50-SM'52), Engr., Sperry Gyroscope Co., Ronkonkoma, N.Y.
 FALVEY, JOHN P. (M'5B), Mathematician, Naval Research Lab., Washington 25, O.C.
 FALVEY, JOSEPH L. (M'56), Capt., USAF, Electronics Engr., Wright Air Oevelopment Center, Wright-Patterson AFB, Ohio.
- FALVEY, THOMAS L., JR. (S'53-M'56), Sr. Engr., RCA, Camden, N.J.
- FAMA, CHARLES S. (S'52-A'53-M'5B), Consulting Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church,
- FAMIGLIETTI, BERNARO L. (S'57-A'5B), Equipment Engr., Western Electric Co., BO Mulberry St., Newark, N.J. FANARJIAN, RICHARO C. (M'5B), Engr., RCA, Harrison,
- N.J.
 FANCHER, H. BRAINARD (A'43-SM'4B), Genl. Mgr., Semiconductor Prods., GE Co., Syracuse, N.Y.
 FANCHER, JAMES R. (S'55-M'57), Dev. Engr., Motorola, Inc., 4545 Augusta Blvd., Chicago 51, III.
 FANCHER, VARDRA M. (S'4B-A'50-M'56), Research Engr., Boeing Airplanes Co., 7755 E. Marginal Way, Seattle 14, Wash.
- FANG, JEN-CHO (S'53-A'54), Engr., RCA, Camden 2,

- FANG, JEN-CHO (S¹53-A¹54), Engr., RCA, Camden 2, N.J.

 FANGMANN, GEORGE (S¹4B-A¹52), Engr.-in-chg., Sylvania Elec. Prod., Inc., Waltham, Mass.

 FANJUY, EMERY M. (S¹57-M¹57), Engr., New Brunswick Telephone Co., Prince William St., St. John, N.B., Canada. FANJUL, ESTRADA L. (A¹55-M³56), Designer, Stanford Research Institute, Stanford, Calif. FANK, FREDERICK B. (S¹50-A¹56), Designer, Stanford Research Institute, Stanford, Calif. FANK, FREDERICK B. (S¹50-A¹52-M¹56), Mem. Tech. Staff, GE Co., 601 California Ave., Palo Alto, Calif. FANKHAUSER, JAMES E. (S¹42-M¹51-SM¹59), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 FANNIN, BOB M. (A¹49-M¹55-SM¹55), Assoc. Prof., Elec. Engr. Dept., Univ of Texas, Austin 3, Tex.

 FANNING, JAMES J., JR. (S¹53-A¹54), Field Service Rep., GE Co., Syracuse, N.Y.

 FAND, ROBERT M. (S¹41-A¹45-SM¹48-F¹54), Prof., Elec. Communications, MIT, Cambridge 39, Mass.

 FANT, JOHN P. (A¹58), Service Electronics Mgr., Interstate Electric Co. of Shreveport, Inc., Shreveport, La. FANTA, FRANK A., JR. (A¹45-M¹55), Chief Engr., Military Sect., The Hallicrafters Co., 4401 W. 5 Ave., Chicago, III.

 FANTA, PHLIPP (M¹47), Tech. Dir., Lojas Assumpcao S. A. Rus do Codures. 106.
- Chicago, [III.
 FANTA, PHILIPP (M'47), Tech. Dir., Lojas Assumpcao
 S.A., Rua do Cortume, 196, Sao Paulo, Brazil.
 FANTE, RONALD L. (S'56-M'59), 1006 S. 9 St.,
 Philadelphia 47, Pa.
 FANTIN, PAUL J. (S'50-A'51-M'57), Research Engr.,
 Boeing Airplane Co., Box 3707, Seattle, Wash.
 FANWICK, CHARLES (SM'56), Advanced Planning Staff,
 Hughes Aircraft Co., Culver City, Calif.
 FARABEE, LLOYD B. (M'57), Engr., RCA Service Co.,
 Inc., Patrick AFB, Fla.
 FARAGO, JOSEPH., JR. (A'45), Sr., Elec, Engr..

- FARBANISH, EUGENE (\$'53-A'54), Engrg , Asst., Picatinny Arsenal, Dover, N. J.
 FARBANISH, PAUL (\$'58-M'59), 526 Paden St., Endicott, N.Y.

- Endicott, N.Y.
 FARBER, ARNOLD S. (S'56-M'57), Engr., IBM, 612
 W. 115 St., New York, N.Y.
 FARBER, BERNARD (A'51-M'56), Supvr., Arma Div.,
 American Bosch Arma Corp., Roosevelt Field, L.I., N.Y.
 FARBER, OAVID J. (S'56-M'57), Mem. Tech. Staff,
 Bell Tel. Labs., 463 West St., New York, N.Y.
 FARBER, EDWARD R. (A'45-M'55), Pres., Roloc, Inc.,
 4217 W. North Ave., Milwaukee B, Wis.
 FARBER, FMANUFI (A'47-M'55). Chief Fort. Macon
- 4217 W. North Ave., Milwaukee B, Wis.
 FARBER, EMANUEL (4/47-M/55), Chief Engr., Macon
 Broadcasting Co., 2254 Rogers Pl., Macon, Ga.
 FARBER, HERMAN (5/50-A/52-M/56-SM/59), Research
 Asst. Prof., Polytechnic Institute of Brooklyn, 55 Johnson
 St., Brooklyn I, N.Y.
- FARBER, KENNETH L. (S'57-M'59), Engr., RCA,
- FANDER, KENNE FH L. (S'57-M'59), Engr., RCA, Moorestown, N.J.
 FARBER, MAURY (A'52), Owner, Maury Farber Associates, 70 W. Chippewa St., Buffato 2, N.Y.
 FARBER, RICHARD J. (S'45-A'47-5M'54), Chief Engr., Dev. Lab., Hazeltine Research Corp., Little Neck, L.I., N.Y.
- N.Y.
 FAREL, VICTOR M. (A'3B-SM'46), Staff Engr., Librascope, Inc., 808 Western Ave., Glendale 1 Cailif.
 FARGO, ROBERT J. (4"52-M'57), Elec. Design, Bouillon, Griffith & Christofferson, 1411 4 Ave. Bldg., Seattle 1,

- Griffith & Christofferson, 1411 4 Ave. Bldg., Seattle 1, Wash.

 FARHAT, DONALD G. (S'5B-M'59), Elec. Engr., Convair-Astronautics, San Oiego, Calif.

 FARHI, SIVY (S'51-A'52-M'57), Project Engr., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.

 FARIELLO, NICHOLAS A. (M'57), Project Engr., Philoc Corp., Govt. & Industrial Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 FARIES, ALFRED M. (M'59), Dev. Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.

 FARINA, DONALD E. (M'5B), Computer Engr., Sperry Gyroscope Co., Lake Success, L.I., N.Y.

 FARINA, JOHN S. (S'55-M'56), Design Engr., Minneapolis Honeywell Regulator Co., 13350 U.S. Hwy. 19, St., Petersburg, Fla.

 FARINON, WILLIAM B. (SM'50), Genl. Mgr., Farinon Electric Co., 416 D St., Redwood City, Calif.

 FARIS, EARL M. (A'52-M'57), Engr., ABC, KABC-TV, 4151 Prospect, Hollywood 27, Calif.

 FARIS, JOHN J. (M'59), Assoc. Prof., Physics, Colorado State Univ., Ft. Collins, Colo.

 FARIS, WILLIAM R. (M'5B), Sr. Engr., Research Labs., Bendix Aviation Corp., Box 5115, Oetroit 35, Mich. FARKAS, CECILE E. (S'56-M'57), Electronics Engr., RCA, Moorestown, N.J.

 FARKAS, FRANCIS S. (M'45-SM'47), Mem. Tech.

- Moorestown, N.J.

 FARKAS, FRANCIS S. (M'45-SM'47), Mem. Tech.
 Staff, Bell Tel Labs., 463 West St., New York 14, N.Y.

 FARKAS, IVAN (A'5B), Engr., Westinghouse Elec. Corp.,
 Box 746, Baltimore 3, Md.

 FARKAS, JOHN (S'57-M'57), Engr., 1, Dept. of Transport,
 "3 Temporary Bidg., Ottawa, Ont., Canada.

 FARKAS, JOSEPH (A'53-M'5B), Sr. Engrg. Writer, Westinghouse Elec. Corp., Box 1B97, Baltimore 3, Md.

 FARKAS, JULIUS J. (S'55-M'59), Engr., Airborne
 Instrument Lab., Mineola, L.I., N.Y.

 FARKAS, LEONARD (M'56), Electronics Engr., RCA,
 Moorestown, N.J.

- Moorestown, N.J.
 FARKAS, ROBERT D. (A'48-M'5B), Chlef Engr., Guild
 Electronics, 3BB Broadway, New York 13, N.Y.
 FARKAS, ZOLTAN D. (A'57), Assoc. Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.
 FARLEE, ROBERT J. (S'52-A'53-M'5B), Electronics Engr.,
 U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

- HOURT, N.J.

 FARLEY, BELMONT G (A'48-M'55), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 FARLEY, EDWARD J. (SM'56), Chief Electronics Engr., Canoga Div., Underwood Corp., 15330 Oxnard St., Van Nuys, Calif.

- Nurs, Calif.

 FARLEY, JOHN (A'47), Fish, Richardson & Neave, 20 Exchange Pl., New York 5, N.Y.

 FARLEY, JOHN E. (S'4B-A'49-M'55), Dept. Chief, Western Electric Co., 220 Church St., New York 13, N.Y.

 FARLEY, JOSEPH J. (M'57), Mgr., Sales Engrg., IBM, 3424 Wilshire Blvd., Los Angeles, Calif.

 FARLEY, WILLIAM W., III (SM'46), Engrg. Specialists, Electronic Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 FARLOW, CLAYTON C. (S'49-A'50-M'56), Engr.-in-Chg., Sylvania Electronic Defense Lab., Mountain View, Calif.

 FARLY, GEORGE M. (A'3B-SM'53), Sr. Project Engr., Electronics Dept., Univ. of Califronia, Lawrence Radiation Lab., Berkeley 4, Calif.
- Radiation Lab., Berkeley 4, Calif.
 FARMAI-RARMAIAN, CHAFFAR (S'56-M'5B), Consulting
 Elec. Engr., 37 Shah Ave., Tehran, Iran.
 FARMAR, FRANKE. (S'49-A-4'53-M'5B), Dev. Engr.,
 RCA, Camden 2, N.J.
 FARMER, ARCHIE A., JR. (S'49-A'52), Electronics Design
 Engr., Convair, San Diego, Calif.
 FARMER CHARLES R. (A'54), Electronics Specialist,
 Temco Aircraft Corp., Box 6191, Dallas, Tex.
 FARMER, ERIC W. (A'30-SM'50), Tech. Consultant, SPD,
 Canadian Marconi Co., 2442 Trenton Rd., Montreal, P.Q.,
 Canada.

- Canada.

 Canada.

 FARMER, FORREST H. (M'56), Mng. Dir., Standard Electrica S. A., Av. Rlo Branco, 99/101, Janeiro, Brazil.

 FARMER, JAMES W. (SM'5B), Div. Mgr., Veeder-Root, Inc., Electronics Controls Div., B3 Elm St., Danvers, Mass.

 FARMER, OWEN J. (S'57-M'5B), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York, N.Y.

 FARMER, PAUL E. (M'52), Head Repeaterman. Southwestern Bell Tel. Co., B15 Tyler, Amarillo, Tex.

 FARMER, WILLIAM B. (M'53), Mgr., Prod. Service Dept., Stavid Engrg., Inc., Rte. 22, Plainfield, N.J.

 FARMER, WILLIAM C., JR. (A'51), Sr. Design Engr., Electronics Div., Westinghouse Elec. Corp., Box 1B97, Baltimore 3, Md.

 FARNELL, GERALD W. (S'51-A'53-SM'5B). Assoc. Prof.

- FARNELL, GERALD W. (S'51-A'53-SM'58), Assoc. Prof., McGill Univ., Dept. Of Elec. Engrg., Montreal 2, P.Q., Canada.
- FARNETT, EDWARO C. (S'51-A'52-M'5B), Electronics Engr., RCA, Moorestown, N.J.

- FARNEY, GEORGE K. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Murzay Hill, N. J.
 FARNSWORTH, EDWARD P. (J'41-A'43-SM'55), Project Engr., Avco Research & Advanced Dev. Div., Electronics Research Lab., 750 Commonwealth Ave., Boston 15, Mass. FARNSWORTH, GERALD W. (S'48-A'50-M'56), Sr. Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, Ill. FARNSWORTH, HARRY E. (SM'58), Prof., Brown Univ., Providence 12, R. I.
- FARNSWORTH, HUGH O. (A'36-VA'39-SM'57), Supvr., Electronics, Univ. of California Radiation Lab., Berkeley 4, Calif.
- Caur.
 FARNSWORTH, NEIL B. (S'41-A'44-M'50), Engr., Good-year Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 FARNSWORTH, PHILO T. (A'28-M'34-F'39), Tech.
 Consultant, 1TT Labs., 3700 E. Pontiac St., Ft.
 Wayne 1, Ind.
- FAROOQ, MOHAMMAD O. (M'57), Deputy Communications Subt., Pakistan Internati. Airlines Corp., Karachi Airport, West Pakistan.
- West Pakistan,
 FARR, CLARENCE W. (A'56), Asst. to Tech. Dir.,
 Mitre Corp., 2244 Wood St., Lexington 73, Mass.
 FARR, HAROLD K. (SM'57), Dir., Research, Harris
 Transducer Corp., Woodbury, Conn.
 FARR, HERBERT J., JR. (A'51-M'56), Pres. & Treas.,
 Pioneer Electronic Supply Co., 2115 Prospect Ave., Cleveland
 15, Ohio.
- FARR, KENNETH E. (A'44-M'46-SM'50), Box 193 A, R.D. 1, Paxinos, Pa. FARR, LEO E., JR. (A'53), Project Engr., IBM, Endicott, N.Y.
- Endicott, N.Y.
 FARRAGO, RICHARD J. (S'55-A'56), Technician, Lewyt
 Mfo. Corp., 42-22 Queen St., Long Island City, N.Y.
 FARRAH, HARRY R. (S'55-M'56), Engr., MIT Instrumentation
 Lab., RFD 1, Concord, Mass.
 FARRALL, GEORGE A. (M'56), Physicist, GE Co.,
 Schenectady, N.Y.
 FARRALL, GEORGE A. (M'56), Physicist, GE Co.,
- Schenectady, N.Y.

 FARRALL, WILLIAM R. (S'50-A'52-M'55), Chief Engr.,
 Farall Instrument Co., Box 65B, Grand Island, Neb.

 FARRAND, CLAIR L. (A'14-M'23-F'31), Pres., Farrand
 Optical Co., Farrand Controls, Inc., & Inductosyn Corp.,
 4401 Bronx Blvd., New York 70, N.Y.

 FARRAND, CYRIL E. (A'40-M'57), Retired, 2369 Pasadena
 Ave., Long Beach, Calif.
- FARRAND, WESTON B. (M'5B), Instrument Group Head, Pouther Labs., Stanford Research Institute, Menio Park, Pouth Calif.
- Caill.

 FARRAR, CLYDE L. (M'45-SM'54), Chmm., Dept. of Elec. Engrg., Univ. of Oklahoma, Norman, Okla.

 FARRAR, HARLAND B. (S'57-A'5B), Electronics Technician, Aerosonic Marine, Inc., Hercules Ave., Clearwater, Fla.

 FARRAR, JAMES H. (S'56-M'58), Microwave Engr., Ryan Aeronaudical Co., Lindbergh Field, San Diego 12, Calif.
- FARRAR, MILLARD B. (M'5B), Kernet Co., Box 60B7, Cleveland 1, Ohio.
- FARRAR, RONALD L. (A'57), Instr., USN, Naval Air Sta., Pensacola, Fla.
- rensacola, Fila.
 FARRELL, AUSTIN C. (A'55), Tech. Writer, IBM,
 Research Center, Poughkeepsie, N.Y.
 FARRELL, CHARLES L., JR. (S'53-4'56), Tech. Rep.,
 Page Communications Engrs., 710 14 St., N.W., Washington 5, D.C.
- Fave Communications engrs., 710 14 st., N.W., Washington S. D. C.

 FARRELL, CRUMPTON (S'4B-A'49-M'55), Lt. Cmdr., USN, VAH-11, N.A.S., Sanford, Fla.

 FARRELL, FRANK X. (A'42-M'4B), Dean, Head of Radio-Electronics, 7V Div., New England Tech. Institute, 4B6 Broad St., Providence 7, R.I.

 FARRELL, GEORGE F., JR. (S'56-M'59), Elec. Engr., GE Co., Ithaca, N.Y.

 FARRELL, JOHN F. (M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.

 FARRELL, JOHN J. (A'43-SM'47-F'4B), Genl. Mgr., HMED, GE Co., Syracuse, N.Y.

 FARRELL, JOHN W. (M'55), Design Specialist, The Martin Co., Denver L5, Colo.

 FARRELL, RICHARD J. (S'53-A'54), Sr. Engr., Martin FARRELL, RICHARD J. (S'53-A'54), Sr. Engr., Martin

- FARRELL, RICHARD J. (S'53-A'54), Sr. Engr., Martin Co., Denver, Colo.
- Co., Denver, Colo.

 FARRELL, RICHARD W. (S'5B-A'5B), Staff Asst., Sandia
 Corp., Sandia Base, Albuquerque, N. M.

 FARRELL, ROMALD L. (A'53-M'53), Chief Instr., Radar
 School, Iraq Internatl. Aeradio, Ltd., 35-2-35 Musbah,
 Baghdad, Iraq.
- FARRELL, ROY B. (SM'5B), Asst. Supt., Tech. Publicat-ions, Western Electric Co., Winston-Salem, N.C. FARRELL, SHERMAN R. (A'56), Project Engr., Applied Radiation Corp., 2404 N. Main St., Walnut Creek, Calif.
- Radiation Com., 2404 N. Main St., Walnut Creek, Calif.
 FARRELL, THOMAS (A'57), Prof. of English, College of Engre, Editor of Reports, Engre, Research Institute, The Univ. of Michigan, Ann Arbor, Mich.
 FARRELL, THOMAS A. JR. (M'55), Projects Coordinator, Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex.
 FARRELLY, RICHARD J. (S'52–A'54), Functional Engr., GE Co., 3198 Chestnut St., Philadelphia 4, Pa.
 FARREN, RICHARD W. (A'55), Electronics Engr., Research Lab., IBM, Poughkeepie, N.Y.
 FARRENS, DONALD G. (S'58–M'59), Assoc. Engr., Boeing Airplane Co., 7755 E. Marginal Way, Seattle 3, Wash.

- Soeing Airplane Co., 7735 E. Marginal Way, Seattle 3, Wash.
 FARRINGTON, HARVEY W. (A'50), Electronics Technician, Box 271, USNOTS, China Lake, Calif.
 FARRINGTON, ODAIS M. (M'56), Asst. Engr., Western Electric Co., Winston-Salem, N. C.
 FARRIOR, JAMES S. (S'49-A'49-SM'55), Chief, Navigation Branch, Guidance & Control Lab., Army Ballistic Missile Agency, Redstone Arsenal, Huntsville, Ala.
 FARRIS, HANSFORD W. (S'47-A'49-M'55), Asst. Prof., Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.
 FARROW, CHARLES L., JR. (M'5B), Electronics Instr., FAA, Box 1082, Oklahoma City, Okla.
 FARVOLDEN, EINAR (M'54), Supvr., Test Equipment Oesion, RCA Victor Co., Ltd., Prescott, Ont., Canada.
 FARWELL, RICHARD P. (S'56-M'5B), Elec. Design Engr., Barnes Engrg Co., 30 Commerce Rd., Stamford, Conn.
 FARZAN J. JIM (S'54-M'56), Mem. Tech. Staff, Thompson-Ramo-Wooldridge Prods. Co., Box 90067, Los Angeles 45, Calif.
- FASCIANO, EDWARD R. (A'5B), V.P., Kingman & Richard-son, J. Ash St., Reading, Mass. FASKO, EDWARD A. (4'52-M'56), Project Engr., Burroughs Corp., Paoli, Pa.

FAS-FEL - 167 -

- FASS, STANLEY (M'59), Elec Engr., Radio Receptor Co., B1 N. 4 St., Brooklyn, N. Y. FASSBERG, MORTON (A'52), Pres., ESC Com., 534 Bergen Blvd., Pallisades Park, N. J.
- Bergen Blvd., Pallisades Park, N.J.
 FASSETT, JAMES O. (M'57), Sales Engr., Westinghouse
 Elec. Corp., 32 N. Main St., Dayton 2, Ohio.
 FAST, HERBERT (S'52-A'54-M'59), Design & Dev. Engr.,
 RCA, Camden 2, N.J.
 FAST, SAUL (A'47-M'55-SM'55), Dir., Tech. Liaison,
 The National Co., 61 Sherman St., Malden, Mass.
- FATH, JOHN P. (A'53), Project Engr., Fischer & Porter Co., Hatboro, Pa.

- Co., Hatboro, Pa.

 FATHAUER, GEDRGE H. (S'41-A'44-M'46-SM'51),
 Pres., Radson Enero. Coro., Macon. III.

 FATHY, ABD EL HAMID (A'55), Cant., Enor., Egyptian
 Ammy, Unit 25D, Maint. Corps., Abbasiah, Egypt.

 FATTIG, W. L. (M'46), Asst. Chief Engr., WLW-A,
 1611 W. Peachtree St., Atlanta, Ga.
 FATTON, GEDRGE A. (S'53-A'55-SM'5B), Elec. Engr.,
 Hughes Aircraft Co., Culver City, Callif.

 FAUDELL, CHARLES L. (SM'49), Tech. Dir., Television
 Engrg. Pty., Ltd., Jago St., Richmond, Victoria, Australia.
 FAUGHNAN, JOHN F. (S'4B-A'56-M'56), Elec. Engr.,
 Squier Signal Corps Engrg., Lab., Ft. Monmouth, N.J.
 FAULHABER, MARK E. (S'54-M'57), Research Engr.,
 E. 1. du Pont de Nemours Co., Inc., Experimental Sta.,
 Wilmington 9B, Del.

 FAULIS, DDNALD R. (S'53-A'54), Assoc. Dev. Engr.,
- FAULIS, DDNALD R. (S'53-A'54), Assoc. Dev. Engr., Burroughs Corp., Research Center, Pa. FAULKENBERRY, BOBBY K. (M'57), Engr., GE Co.,
- Utica, N.Y.
 FAULKNER, ALFRED H. (M'50-SM'57), Sr. Research
 Engr., Natl. Cash Register Co., 1401 E. El Segundo
 Blvd., Hawthorne, Calif.

- Engr., Natl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthorne, Calif. FAULKNER, HAROLD E. (5'57-M'59), Design Engr., Convair, Ft. Worth, Tex. FAULKNER, HAROLD E. (5'57-M'43-F'53), Dir., Tele-communications Engrg. & Mfg. Association, Stafford House, 40 Norfolk St., Strand, London WC 2, England. FAULKNER, HARRY E. (A'52-M'57), Foreman, Quality Control Dept., Microwave Tube Labs., Sylvania Elec. Prods., Inc., Mountain View, Calif. FAULKNER, W. HARRISON, JR. (A'43-M'55-SM'57), V.P., Engrg. & Dev., Tracerlab, Inc., 1601 Trapelo Rd., Waltham 54, Mass. FAULKS, HERBERT R. (A'46-M'55), Supvg. Engr., Illinote Rail Tel. Co., 212 W. Washington, Chicago 6, Ill. FAULLIN, RICHARD R. (M'53), District Sales Mgr., GE Co., 3800 Milwaukec, Chicago, Ill. FAUNCE, NORMAN J. (M'5B), 24 Pleasant St., Essex Junction, Vt.

- FAULLIN, RICHARD R. (M-S3), District Sales Mgr., oc.
 Co., 3800 Milwaukee, Chicago, III.
 FAUNCE, NORMAN J. (M-SB), 24 Pleasant St., Essex
 Junction, Vt.
 FAUNCE, NORMAN P. (S-57-M-SB), Research Engr., FrankIin Institute Labs., 20 & Pkwy., Philadelphia, Pa.
 FAUP, JOHN J. (S-55-M-S7), Elec. Engr., Otis Elevator
 Co., 260 11 Ave., New York 1, N. Y.
 FAUSETT, FLOYD (SM-S1), Owner & Mfrs. Agent, Floyd
 Fausett & Co., 777 Pinehurst Ter., S.W., Atlanta10, Ga.
 FAUSS, GLENN C. (A-54), Sr., Dev. Engr., Goodyear
 Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 FAUST, ALBERT C. (S-48-A-9-M-55), Airbome Fire
 Control Elec. Engr., RCA, Camden, N. J.
 FAUST, ARTHUR C. (A-45), Plant Engr., Sylvania Elec.
 Prods., Inc., Seneca Falls, N. Y.
 FAUST, DAVID W. (S-44-M-55), Radar Field Engr., Philoco
 Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 FAUST, ADVID W. (S-45-M-55), Radar Field Engr., Philoco
 Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 FAUST, LEMER J. (M-59), Pinceton, N. J.
 FAUST, DYOGER L. (A-52-M-57), Electronics Engr.,
 Electronic Components Lab., Wright Air Development
 Center, Wright-Patterson AFB, Ohio.
 FAUSTINI, CARLO (S-54-M-56), Design Engr., RCA,
 Moorestown, N.J.
 FAUYEK, WALTER S., JR. (M-5B), Sect. Engr., Mergenthaler Linotype Co., 29 Ryerson St., Brooklyn, N.Y.
 FAUXEN, LILLAM P. J., R. (M-57), Training Coordinator,
 FAUX, WILLIAM H., JR. (M-57), Training Coordinator,
 FAUX, WILLIAM H., JR. (M-57), Training Coordinator,
 FAUX, MULLIAM H., JR. (M-57), Training Coordinator,
 FAUX B., WILLIAM H., JR. (M-57), Training Coordinator,
 FAUX B., WILLIAM H., JR. (M-57), Training Coordinator,
 FAUX B., R., ML-57), Training Coordinator,
 FAUX B., WILLIAM H., JR. (M-57), Training Coordinator,
 FAUX B., WI
- FAVREAU, ROMEO R. (A'4B-M'55), V.P., Computation Centers, Electronic Associates, Inc., Box 582, Princeton, N.J.
- N.J.
 FAVRET, ANDREW G. (M'52-SM'5B), Sect. Mgr., Advanced Research Dept., American Machine & Foundry Co., 1025 N. Royal St., Alexandria, Va.
 FAWCETT, CLIFFORD O. (S'52-M'57), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB. Ohio.
 FAWCETT, DANIEL G. (A'52-M'57), Dev. Engr., ITT Labs., Nutley 10, N.J.
 FAWCETT, GEORGE M. (A'35-VA'39-SM'55), Sr. Telecommunications Officer, Air Materiel Command Hors., RCAF Sta., Ottawa 2, Ont., Canada.
- communications Officer, Air Materiel Command Hors., RCAF Sta., Ottawa 2, Ont., Canada.
 FAWCETT, KENNETH D., JR. (S'53-A'54), Electronics Engr., Bendix Aviation Corp., 11600 Sherman Way, North FAWCETT, KENNETH J., JR. (M'58), Mem. Tech. Staff, Melpar, Inc., 3000 Affington Blvd., Falls Church, Va. FAWCETT, ROBERT G. (S'47-A'52-SM'54), 5r. Research Engr., Stanford Research Institute, Menlo Park, Calif. FAY, ALEXANDER H. (A'51-M'56), Press., Electrical Mfrs', Service, Fay-Garrettson, Inc., 105 Hillside Ave., Williston Park, L.I., N.Y. FAY, CLIFFORD E. (A'26-SM'45-F'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. FAY, FRANCIS A. (S'57-A'5B), Engr., Airborne Instruments Lab., Mineola, L., I., N.Y. FAY, FRANCIS H. (S'51-A'52-M'57), Sr. Engr., Raytheon Mig. Co., Wayland, Mass.
 FAY, STANLEY (M'55), Sr. Project Mem., Missile Electronics & Controls Dept., RCA, Burlington, Mass.
 FAY, THOMAS E. (S'54-M'59), Jr. Engr., Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn.

- FAY, WILLIAM J. (S'46-M'57), 3150 Denver St., San Diego 17, Calif.
- FAYMAN, DAVID L. (A'52-M'5B), Supvr., Computer Research, Great Lakes Pipe Line Co., Box 2239, Kansas City, Mo. FAZENBAKER, PATRICK J. (A'59), 33B9 Strandway, San Diego B, Calif.

- Diego B, Calif.

 FAZIO, FRANK (A'56), Sr. Engr., Electronic Communications, Inc., 1501, 72 St., N., St. Petersburg, Fla.

 FEAGIN, FRANK J, (M'46-SM'57), Asst. Chief, Geophysics Research, Humble Oil & Refining Co., Houston Research Center, Houston 1, Tex.

 FEARING, JUSTIN L. (A'19-VA'39)(L), Pater Atty., 15

 Lake St., White Plains, N.Y.

 FEARMAN, EDWARD L. (A'54), Chief Engr., Electron Prods., Inc., 430 N. Halstead Ave., Pasadena, Calif.

 FEARS, CLOIS D. (S'56-M'57), Southeastern Rep., Educational Dept., Westinghouse Elec. Corp., 1299 Northside Dr., N.W., Atlanta 9, Ga.
- TEATHERSTONE, OBERT P. (A'47-M'55), Research Assoc., Physics Dept., 1640, Dept., 1640, Physics Dept., 1640, Physic

- Minn.

 FEATHERSTONE, SAMUEL J. (M'44), Pres., Featherstone Electronics Corp., 1010 E. St., San Bernardino, Calif. FEAY, DONALD I. (S'49-A'52-M'57), Engr., Sperny Gyroscope Co., Great Neck, L.I., N.Y., FECHTER, GERALD B. (S'54-M'55), Lt., U.S. Army, Asst. Information & Asst. Allied Liaison Difficer, Hors., U.S. Army Chemical Corps Training Command, Ft. McClellan, Ala. FEDAK, JOHN (M'57), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C. FEDAK, JOHN F., JR. (S'56-A'56), Engr., RCA, Moorestown, N.J.

- town, N.J.

 FEDDE, CHRIS D. (A'53-M'5B), Project Engr., Collins Radio Co., Cedar Rapids, Iowa.

 FEDDE, GEORGE A. (A'52-M'56), Sr. Engr., Remington Rand Univac., 1900 W. Allegheny, Philadelphia, Pa.

 FEDER, EARL I. (S'48-A'50-M'55), Project Engr., Gulton industries, 212 Duhiam Aira, Metuchen, N.J.

 FEDER, JOHN H., JR. (A'53), Owner, John H. Feder, Jr., Mfrs. Rep., 2441 Crystal Lane, York, Pa.

 FEDERICI, JAMES T. (S'57-M'58), Research Engr., Taylor Instruments Co., Rochester, N. Y.

- Instruments Co., Rochester, N., Y.

 FEDERICI, MAURIZIO (M'56), 14 Viale Vittorio Veneto,
 Milano, Italy.

 FEDERICI, ABE M. (S'37-A'39-VA'39-M'55), Head Engr.,
 Overseas Div., Electronics Office, New York Naval Shipyard,
 Brooklyn 1, N.Y.

 FEDERLIN, HENRY M. (S'46-A'49-M'52), Electronics Engr.,
 RCA, Camden 2, N.J.

 FEDORAK, WILLIAM N. (A'59), Ionospheric Sounding Lab.,
 Resolute, N. W. T., Eastern Arctic Patrol, Ottawa, Drit.,
 Canada.

- RESOLUCE, M. N. 1. Casterin Notice Tactor, Octama, Dill.; Canada.

 FEDDRKA, ROBERT T. (S'56-M'58), 5437 Homestead Ave., Pennsauken, N.J.

 FEDDROWYCZ, BOHDAN W. (S'57-M'58), Project Engr., R.E. Dietz Co., 221 Wilkinson St., Syracuse 1, N.Y.

 FEDDTIN, LIONEL S. (A'51), Mirs.' Rep., 1434 Vancouver Dr., Dyaton 6, Ohio.

 FEE, DAVID R. (S'46-A'49-M'55), TV Engr., ABC, Inc., 7 W. 66 St., New York, N.Y.

 FEEHAN, JOHN D. (M'55), Project Engr., Bendix Aviation Copp., Red Bank Oiv., Hwy. 35, Eatontown, N.J.

 FEEHERY, JDSEPH T. (A'53), Buyer, TV, Montgomery Ward & Co., 619 W. Chicago Ave., Chicago 7, Ill.

 FEERRER, MAX R. (A'50-M'58), Sr. Engr., Sylvania Elec. Prods., Inc., 1221 W. 3rd St., Williamsport, Pa.

 FEENEY, COLEMAN J. (A'44), Field Engr., Western Electric Co., North Carolina Works, Winston-Salem, N.C.

 FEENEY, JAMES E. (M'57), Electronics Engr., Motorola

- Electric Co., North Carolina Works, Winston-Salem, N.C. FEENEY, JAMES E. (M'57), Electronics Engr., Motorola Research Lab., B330 Indiana Ave., Riverside, Calif. FEENEY, WILLIAM G. (S'55-M'5B), Research Engr., California Research Corp., 576 Standard Ave., Richmond, Calif.
- Call:
 FEERST, IRWIN (S'4B-A'51-M'57-SM'57), Sr. Project
 Engr., Federal Mfg. & Engrg. Co., 1D55 Stewart Ave.,
 Garden City, L. I., N.Y.
 FEES, HEINZ W. (A'56), Plantman, New York Telephone
 Co., Home: B621 10B St., Richmond Hill 1B, L.I.,
- N.Y.
 FEGAN, ALBERT A. (A'5D-M'55), Pres., State Sound
 Service, 17 W. Magnolia St., Stockton 3, Calif.
 FEGELY, WAYNE D. (M'55), Suevy. Engr., Westinghouse
 Elec. Corn., Box 746, Baltimore 3, Md.
 FEGLEY, KENNETH A. (A'49-M'55), Assoc, Prof., Moore
 School of Elec. Engrg., Univ. of Pennsylvania, 200 S. 33
 St., Philadelphia 4, Pa.
 FEHLAIL, UARD FEE. (AMS7), 303 Magnonal De Monte.

- School of Elec Engrg , Univ. of Pennsylvania , 200 S . 33
 St., Philadelphia 4 , Pa
 FEHLAU, CHARLES E . (M'57) , 103 Marywood Dr. , North
 Syracuse 12 , N.Y.
 FEHN, FRANK P . SR. (M'57) , Asst. Chief Engr. , Special
 Engrg. Dept. , E . W. Bliss Co. , Raff Rd. , Canton 10 , Ohio.
 FEHR, DONALD L . (M'58) , Electronics Scientist, Rome Air
 Development Center, Griffiss AFB , N. Y.
 FEIBEL, RDBERT L . (M'53) , Mgr. , Non-Military Contracts ,
 RCA Service Co. , Camden 8 , N.J.
 FEIBISH, HAROLO L . (A'54) , Engrg. Technician, U.S. Army
 Signal Equipment Support Agency, Ft. Mommouth, N.J.
 FEICHT, RICHARO B . (M'56), Prod. Engr. , Western Electric
 Co. , Marjon & Vine Sts. , Laureldale , Pa.
 FEICHTINGER , ARNE F . (A'51-M'57), Pres. , Svenska
 Siemens AB , 36 Kungsgatan, Stockholm , Sweden
 FEICENBAUM, IRWIN A . (S'49-A'49-M'55), Components
 Engr. , GE Co. , 3198 Chestmit St. , Philadelphia 4 , Pa.
 FEICUS, JULIAN I . (A'52). Radar Technician , Lockheed Aircraft Corp , Burbank , Calif .
 FEIK, ROBERT L . (SM'52), Tech. Dir , Electronics Directorate , Hgrs. , Air Research & Development Command , Andrews
 AFB, Md.
 FEIKER, GEORGE E , JR. (A'43-M'45), Mgr. , RF & Com-

- FEIKER, GEORGE E., JR. (A'43-M'45), Mgr., RF & Com-munication Engrg. Sect., GE Co., Schenectady, N.Y.

- FEIKERT, GRANT S. (A'30-VA'39-SM'50), Prof., Elec.
 Engro., Oregon State College; Chief Engr., KOAC & KOACTV, Corvallis, Ore.
 FEILCHENFELD, MICHAL M. (M'5B), 37B Krug St., Kitchener, Ort. Canada.
 FEILD, SAM C., JR. (M'56), Sr. Electronics Engr., Melpar,
 Inc., 3000 Arlington Blvd., Falls Church, Va.
 FEILE, RICHARD H. (A'56), Electronics Lab. Technician,
 Simmonds Aerocessories, 105 White Plains Rd., Tarrytown,
 N.Y.

- N.Y.

 FEIN, ARTHUR (S'53-M'57), Sect. Head G.B. Electronics Corp. . Hook Creek, Blvd. . Valley Stream, L.I., N.Y.

 FEIN, LDUIS (SM'56), Private Consultant, 431 Ferne Ave., Palo Alto, Calif.

 FEIN, MARVIN J. (SM'53), Eastern Mgr., Hathaway Instrument Div., Hamilton Watch Co., 600 5 Ave., New York 20, N.Y.

 FEINBERG, EUGENE J. (S'56-M'59), Microwave Engr., Sylvania Elec. Prods., inc., 1100 Welvie Dr., Bulfalo 21, N.Y.
- N.Y.
 FEINDEL, ABBOTT (A'29-M'45), Chief Mfg. Engr., TungSol Electric, Inc., Rte. 69 & Park Ave., Washington, N.J.
 FEINEMAN, GEORGE (M'57), Engr., Logetronics, 500 E.
 Monroe St., Alexandria, Va.
 FEINER, ALBERT (S'49-A'50), Electronics Engr., Branch
 Chief, Rome Air Development Center, USAF, Griffiss AFB,
 N.Y.

- N.Y.

 FEINER, HOWARD A. (A'55), Sales Engr., H.A.F. Associates, 330 E. 70 St., New York 21, N.Y.

 FEINERMAN, BERNARD (M'55), Project Engr., Burnell & Co., Inc., 10 Pelham Pkwy., Pelham Manor, N.Y.

 FEINGOLD, FREDERICK A. (M'57), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 FEINGOLD, WILLIAM (A'53-M'5B), Sr. Electronics Engr., Andrea Radio Corp., 2701 Bridge Plaza, N., Long Island City 1, N.Y.
- City 1, N.Y.

 FEINLAND, SEYMOUR (A'55), Engr., Teleregister Corp.,
 445 Fairlield Ave., Stamford, Corn.

 FEINMAN, GEDRGE (A'47-M'55), Chief, Trainer Sect.,
 Emerson Radio & Phonograph Corp., 14 & Coles Sts., Jersey
 City 2, N.J.

- City 2, N.J.

 FEINSTEIN, JACK (M'56), Sr. Project Engr., Crosby Lab.,
 Box 233, Robbins Lane, Hicksville, L. I., N. Y.

 FEINSTEIN, JDSEPH (S'41-A'46-M'51), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.

 FEINSTEIN, LESTER (M'55), Consulting Engr., GE Microwave Lab. at Stanford, 601 California Ave., Palo Alto, Calif.

 FEINTUCH, HARRY (A'52-M'57), Electronics Engr., Dept.
 of Physiology, College of Medicine, Univ. of Utah, Salt
 Lake City 12, Utah.

 FEINSTEIL HERBIG (SEMIST) Chief Communications.
- Lake City 12, Utah.

 FEISSEL, HENRI G. (SM'57), Chief Engr., Electronics Research Dept., Compagnie des Machines Bull., 94 Ave. Gambetta, Paris 20, France.

 FEIST, WILLIAM E. (M'52-SM'52), Electronics Engr., Air Technical Intelligence Center, Wright-Patterson AFB, Ohio.

- Technical Intelligence Center, Wright-Patterson AFB, Ohio. FEIT, LOUIS (A'50), Exec. Engr., Federal Telecommunication Labs., Nutley 10, N.J.
 FEITLER, JDSEPH (S'45-A'48-M'55), Electronics Engr., IBM, Kingston, N.Y.
 FEXT, DAVID P. (S'57-A'5B), Dev. Engr., Canadian Curtiss-Wright, Ltd., Davis Rd., Oakville, Ont., Canada. FELAND, ROBERT F., JR. (A'55), West Coast Regional Mgr., Military Equipment Div., Allen B. DuMont Labs., Inc., 11800 W. Olympic Blvd., Los Angeles 64, Calif.
 FELBER, JAMES F. (S'55-M'56), Field Engr., Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. FELCH, EDWIN P. (A'32-M'42-SM'43-F'54), Dir., Military Systems Dev., Bell Tel. Labs., Whippany, N.J.
 FELCH, ERALD L. (S'54-M'56), Electronics Engr., Hors.,

- FELCH, JERALD L. (\$'54-M'56), Electronics Engr., Hgrs., Mobile Air Material Area, USAF, MOMEFF, Brookley, AFB,
- Mobile Air Material Area, USAF, MOMEFF, Brookley, AFB Ala.

 FELD RAPHAEL (A'57), Engr-in-Chg, Radio Coastal Sta., Govt. of Israel, Haifa, Israel.

 FELDBERG, IRA (S'57-A'5B), Field Service Rep., Electronics Div., Curtiss-Wright Corp., Carlstatt, N. J. FELDER, ALGIE A., SR. (M'5B), Suovy. Training Officer, Field Radio Repair Course, U.S. Army Southeastern Signal School, Ft. Gordon, Ga.

 FELDHUSEN, ROBERT L. (4'56), Communication Engr., Florida Power Corp., 1015 St., St., Petersburg, Fla.

 FELDKAMP, LAUREN P. (S'53-A'54), Engr. Suovr., Federal Electric Corp., Ret. 17, Paramus. N.J.

 FELDMAN, BERNARD (S'5B-M'59), Field Engr., Sales, Atlas Instrument Corp., Ltd., 50 Wingold Ave., Toronto 19, Ont., Canada.

 FELOMAN, EDWARD F. (S'52-A'53-M'56-SM'5B), Sr. Engr., Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mt. Vernon, N.Y.

 FELDMAN, EUGENE J. (A'53), Engrq. Mgr., Microwave

- FELDMAN, EUGENE J. (A'53), Engrg. Mgr., Microwave Olode Engrg. & Mfg., Sylvania Elec. Prods., Inc., Woburn, Mass.

- Woburn, Mass.

 FELDMAN, HERBERT (M'5B), Staff Mem., Lincoln Lab.,
 MIT, Lexington 73, Mass.

 FELDMAN, IRVING (S'52-A'53), Electronics Technician,
 GE Co., Utica, N.Y.

 FELDMAN, JACOB (A'51-M'57), Sr. Engr., ITT Labs.,
 Nutley 10, N.J.

 FELDMAN, LAWRENCE (M'59), Engr., Arma Div., American
 Bosch Arma Corp., Garden City, L. I., N.Y.

 FELDMAN, LEONARD L.(S'47-A'50-M'54), Pres.
 & Dir. Engre., Madison Fielding Corp., 5 Lorimer St.,
 Brooklyn 6, N.Y.
- Brooklyn 6, N.Y.

 FELDMAN, NATHANIEL E. (S'49-A'52-M'57), Leader,
 Transmitter & Microwave, RCA, 11B19 W. Olympic
 Blvd. Los Angeles 64, Calif.
 FELDMAN, ROBERT E. (S'54-M'56), Elec Engr., Hughes
 Aircraft Co., Culver City, Calif.

- Aircraft Co., Culver City, Calif.
 FELDMAN, ROBERT F. (A'58), Engr., Designer, GE Co., Evendale, Ohlo.
 FELDMAN, SAUL (A'51-M'57), Elec. Engr., Control Instrument Co., 67 35 St., Brooklyn 32, N.Y.
 FELDMAN, SIDNEY (A'58), Shepherd Electronics, 130 W. 42 St., New York 36, N.Y.
 FELDMAN, SIDNEY (S'49-A'51-M'56), Chief Engr., Mastertone Recording Studios, Inc., 130 W. 42 St., New York 36, N.Y.
 FELDMAN, SIEBERT (S'52-A'53), Electronics Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.
 FELDMANN, FELIX G. (SM'55), V.P.-in-Chg., Engrg., FXR, Inc., 26-12 Borough Pl., Woodside 77, L.I., N.Y.

- FELDMANN, HENRY (SM'54), Pres., FXR, Inc., 26-12 Borough PI., Woodside 77, L.I., N.Y. FELDNER, LOUIS (A'54), System Engr., Internatl, Elec-tric Corp., Rte., 17, Paramus, N. J. FELDSTEIN, SOL (A'45), Flight Control Engr., Republic AC, Missie Systems Div., 223 Jericho Tpke., Mineola,

- AC, Missile Systems Div., 223 Jericho Take., Mineola, L.I., N.Y.

 FELDT, RUDOLF (M'44-SM'53), Pres., Rohde & Schwarz Sales Co., Inc., Box 275, Passaic, N. J.

 FELICE, JOHN J. (A'4B-M'59), Sr. Engr., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va.

 FELIX, EDGAR H. (J'17-M'25-SM'43), Mgr., Mkt. Dev., Missile & Surface Radar Dept., RCA, Moorestown, N. J.

 FELIX, MICHAEL O. (SM'56), Sect. Mgr., Canadian Westinghouse, Longwood Rd., Hamilton, Ont., Canada.

 FELKER, EDWARD A. (S'5B-M'59), Laison Rep., Electronics Engr., Avion-Alexandria, Va., ACF Industries, Inc., BOO N. Pitl St., Alexandria, Va.

 FELKER, JEAN H. (A'46-SM'53), Dir., Special Systems Engr., II, Bell Tel. Labs., Murray Hill, N.J.

 FELL, CHARLES F. (SM'5B), Asst. Prof., Elec. Engrg. Dept., Ohio State Univ., Columbus 1.0, Ohio.

 FELL, THOMAS T. (S'51-A'52-M'57), Sr. Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md.
- Baltimore 27, Md.
 FELL, WILLIAM F. (M'51), Engrg. Administrator, RCA, Camden, N.J.
 FELLENDORF, GEORGE W. (M'54), Pres., Radio City Prods. Co., Inc., Centre & Glendale Sts., Easton, Pa.

- Pau. Feller & Glendale Sts., Easton, Pa. Feller R. Glendale Sts., Easton, Pa. Feller R. Glendale Sts., Easton, Pa. Glendale Sts., Easton, Pa. Glendale Sts., Easton, Pa. Glendale Sts., Easton, State of California, Div. of Hwys, Radio Lab., 5990 Folsom Blvd., Sacramento 25, Calif. Feller, MRVIN S. (A'55), Sales Engr., Radar Antennas, I-T-E Circult Breaker Co., 601 E. Erie Ave., Philadelphia 34, Pa. Feller MELVIN (S'4B-A'50-M'55), Dev. Engr., ITT Labs., Nutley 10, N. J. Feller MRN, KEITH D. (M'56), Systems Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. Feller R. RUFUS G. (M'47-5M'53), Head, Elec. Engre, Dept., School of Engre, Univ. of South Carolina, Columbia, S.C.
- Columbia, S.C.
 FELLHAUER, HAROLD E. (A'53-M'5B), Group Head, Collins
 Radio Co., Cedar Rapids, lowa,
 FELLOWS, GLENN E. (A'51-SM'56), Mgr., Project
 Coordination, Melpar, Inc., 43 Leon St., Boston, Mass.
 FELLS, WILLIAM E., JR. (M'53), Govt. Sales Div.,
 Collins Radio Co., Cedar Rapids, Iowa.
 FELS, FRANCIS E. (A'5B), 1000 Lee's Dr., Las Cruces,
 N.M.

- N.M.
 FELS, LAURENCE (A'50), Sr. Engr., Stavid Engrg.,
 Inc., Hwy. 22, Plainfield, N.J.
 FELSEN, LEOPOLD B. (S'47-A'53-M'54-SM'55),
 Research Assoc. Prof., Microwave Research Institute,
 Polytechnic Institute of Brooklyn, 55
- 1. N.Y.
 FELSENHELD, ROBERT A. (M'47), Sr. Project Engr.,
 ITT Labs., Nutley 10, N.J.
 FELSMAN, WILLIAM O., JR. (S'49-A'51-M'54),
 Project Engr., Litton Industries, 336 N. Foothill Rd.,
 Beverly Hills, Calif.
- FELTHAM, CHARLES F., JR. (A'48-M'55), Design Supvr., Hazeltine Electronics Div., Little Neck, L.I.,
- FELTHOUSEN, ARTHUR Q. (SM'57), Electronics Research Engr. "A", Lockheed Missiles & Space Div., 7701 Wood-ley Ave., Van Nuys, Calif.
- TELTON, LAWRENCE E. (A'45-M'46-SM'57), Supvr., Tech. Publications, Electronic Communications, Inc., 1501 72 St., N., St., Petersburg, Fla., FELTON, WALTER W. (A'43-M'45-SM'51), Sr. Staff Engr., Franklin Institute Labs, for Research & Development, 20 & Pkwy., Philadelphia 3, Pa.

- ευ α κκwy., Philadelphia 3, Pa.
 FELTZIN, ALEX (A'53-M'5B), Project Engr., Airborne
 Instrument Lab., Mineola, L.I., N.Y.
 FEMENIAS, L. JULIO (A'51), Chief Teacher, Elec.
 Workshop, Govt. Ind. School, "A," Quezeda "A"; Radio
 Technician, Chilean Army, V. Div., Elec. & Radio
 Technician, Competent of the Produccion, Punta
 Arenas, Chile.

 FEMIANO, DOMMING, L. (AISA)

- Arenas, Chile.

 FEMIANO, DOMINIC J. (A'54), Supvy. Electronics Engr.,
 Naval Ordnance Lab., White Oak, Silver Spring, Md.

 FEMMER, MAX E. (A'4B-5M-53), Assoc. Dir., Research,
 IBM, Box 21B, Research Center, Yorktown Heights, N.Y.

 FENAUGHTY, ALFRED L., JR. (S'45-A'4B-M'55),
 Sperry-Rand Univac Div. Lab., South Norwalk, Conn.

 FENCL, JOAN G. (S'54-M'56), Assoc. Engr., Design,
 McDonnell Aircraft Copr., St. Louis 9, Mo.

 FENDLEY, JAMES R., JR. (A'56), Assoc. Engr., Large
 Power Tube Dev., RCA, New Holland Ave., Lancaster, Pa.

 FENER, HOWARD (S'49-A'50-M'56), Chile Fignr., Dyna
 Magnetic Devices, Inc., 110 Duffy Ave., Hicksville, L.I.,
 N.Y.
- N.Y.
 FENG, SHAO C. (S'51-A'53-M'5B), Mgr., Prod. Planning,
 Silicon Transistor Corp., 150 Glen Cove Rd., Carle Place,
 L.I., N.Y.
- E.I., N.Y.
 FENICHEL, IRVING (A'47-M'55), Chief Engr., Instrumentation Engrg., Bendix Radio Div., Baltimore 4, Md.
 FENIMORE, GERALD E. (A'54-SM'59), Design Supvr.,
 Hazeltine Tech. Dev. Center, Wier Cook Alroort,
 Indianapolis, Ind.
- FENN, RICHARD W. (S'55-M'57), Electronics Officer, VAW-11, USN, Naval Air Sta., North Island, San Diego,

- Calif.

 FENN, WILLARD H. (S'3B-A'43-SM'50), Sr. Staff Fnor. Hughes Aircraft Co., Culver City, Calif. FENNELL, THOMAS C. (S'56-M'5B), Engr., Western Electric Co., Greensboro, N.C.

 FENNER, PAUL R. (A'53), Engr.-in-Chg., FCC, 502 Federal Bidg., Honolulu, Hawaii.

 FENNER, RICHARD G. (S'55-M'57), Engr., Collins Radio Co., 1200 N. Alma Dr., Richardson, Tex. FENNESSY, PATRICK Q. (M'57), TechRep., The National Co., 61 Sherman St., Malden, Mass.

 FENNEWALD, RALPHW. (A'57), Quality Control Engr., Emerson Electric Co., 39 & Industrial, East St. Louis, III.

 FENSLER, WILLIAM E. (M'53), Research Engr., Univ. of Michigan, Ann Arbor, Mich.

- FENSTERMACHER, ALVIN L. (A'47-M'54), Radar Engrg. & Dev., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- S., Consimilate 29, Unio.
 FENTER, WILLIAM S. (S'57-A'5B), Engr., Datamatic Div.,
 Minneapolis-Honeywell Regulator Co., 151 Needham St.,
 Newton 61, Mass.
- Newton 61, Mass.

 FENTON, A. NORWOOD (A'46-SM'47), Sound Engr., MGM Studios, Culver City, Calif.

 FENTON, FRANK H., JR. (M'55), Dev. Engr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa. FENTON, LAWRENCE F. (SM'57), Project Engr., National Co., lic., 61 Sherman St., Malden 48, Mass.

 FENTON, MARVIN J. (A'53-M'58), Asst. Mgr., Engrg., American Bosch Arma Corp., 5857 W. 95 St., Oak Lawr, Ill.

- FENTON, MARVIN J. (A'53-M'58), Asst. Mgr., Engrg., American Bosch Arma Corp., 5857 W. 95 St., Oak Lawn, Ill.
 FENTON, ROBERT E. (S'57-M'58), Electronics Engr., Air Tech. Intelligence Center, Wright-Patterson AFB, Ohio.
 FENTON, ROBERT J. (A'51), Radio Broadcast Engr., KSD-TV, 12 & Olive, St. Louis, Mo.
 FENTON, WILLIAM A. (M'56), Dir. -Gen., Nigerian Broadcastino Corp., Broadcasting House, Lagos, Nigeria.
 FENTRESS, THOMAS O., JR. (SM'55), Sr. Engr., FENYVES, FRANCIS L. (SM'53), Mgr., Dr. Fenyves & Gut, Holeestr. 155, Basle, Switzerland.
 FENZEL, FREDERICK A. (M'58), Circuit Design Engr., Raytheon Mfg. Co., Be (M'58), Circuit Design Engr., Raytheon Mfg. Co., Be (M'58), Circuit Design Engr., Raytheon Mfg. Co., Be (M'58), Sr. Engr., Electronics Div., Curtiss-Wright Coro., Carlstadt. N.I.
 FERBER, DAVID (S'49-A'51-M'57), Head, Systems Dev. Sect., Telemetry Dept., Bendix Aviation, 11600 Sherman Way, North Hollywood, Calif.
 FERBER, LEROY W. (A'50-M'55-SM'57), Sr. Project Engr., Clevite Electronic Components Div., Clevite Corp., 3311 Perkins Ave., Cleveland 14, Ohio.
 FERBER, ROBERT R. (S'55-M'59), Elec. Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa.
 FERNCZY, MIKLOS (S'56-M'56), Engr., Canadian Marconi Co., Lid., 2442 Trenton Ave., Montreal 16, P. Q.
 FERG, ARTHUR P. (S'51-A'54), Asst. Project Engr., Bendix Radio Corp., Baltimore, Md.
 FERGUSON, ARTHUR F. (M'52), Mgr., London Area, Hydro Electric Power Commission of Ontario, 280 York St., London, Ont., Canada.

- St., London, Ont., Canada.
 FERGUSON, DON R. (4'51), Chief Engr., Michigan Music & Sound Co., 15920 Hamilton Ave., Detroit 3, Mich.
 FERGUSON, GEORGE E. (A'56), Pres., Prairie Power & Electronics Supplies, Ltd., 2810 Dewdney Ave., Regina, Sask, Canada.
 FERGUSON, HARRY S. (A'56), Branch Mgr., RCA Service Co., 3328 Henderson Blvd., Tampa 9, Fla.
 FERGUSON, HENRY B. (A'52-M'57), Head, Geophysical Research Sect., The Carter Oil Co., Box BO1, Tulsa, Okla.

- UKIA.
 FERGUSON, HENRY F. (S'56-M'5B), Instr., Westchester
 Community College, 155 Battle Ave., White Plains, N.Y.
 FERGUSON, JAMES L. (S'56-M'5B), Elec. Engr.,
 U.S. Army Corps of Engrs., 300 S. Broadway, Little
 Rock, Ark.
- ROCK, Ark.

 FERGUSON, JAMES V. (S'56-M'57), Field Engr., GE
 Co., Utica, N.Y.

 FERGUSON, JAMES W. (A'55), Electronics Engr., Hgrs,
 Continental AACS Area, Tinker AFB, Oklahoma City 10,
 Okla.
- OKIA.

 FERGUSON, JERRE K. (S'52-M'56), Staff Mem., Research
 Div., Radiation, Inc., 1030 Herman Ave., Orlando, Fla.

 FERGUSON, JIM D. (A'51-M'5B), Communications
 Technician, Sun Oil Co., San Jacento Bidg., Beaumont,
 Tex.
- **ERGUSON, JOHN D. (M'26-SM'43), Mng. Dir., MacEntee & Ferguson, Ltd., Commercial Engrs., 31 Westmoreland St., Dublin, Ireland.
- St., Dublin, Ireland.
 FERGUSON, JOHN G. (M'42-SM'43), Measurement Engr.,
 Stavid Engrg., Inc., Rte. 22, North Plainfield, N.J.
 FERGUSON, JOHN L. (A'52-M'57), Chief, Apparatus Dev.
 Sect., Aero Medical Lab., Wright Air Development Center,
 Wright-Patterson AFB, Ohio.

- Wright-Patterson AFB, Ohio.

 FERGUSON, JOHN M. (5'55-M'59), Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 FERGUSON, JOHN S. (M'5B), Engr., Lenkurt Electric Co., 1105 Old Country Rd., San Carlos, Calif.

 FERGUSON, JOSEPH B. (M'56), Engr., Scientific Engrg. Institute, 23B Main St., Cambridge 42, Mass.

 FERGUSON, LESTER N. (A'55), Sr. Engr., Field Service, Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.
- View, Calif.

 FERGUSON, PAUL M. (M'55), Research Physicist, Carter Oil Co., 1133 N. Lewis, Tulsa 10, Okla.

 FERGUSON, RAYMOND W. (M'5B), Westinghouse Elec. Corp., Analytical Dept., East Pittsburgh, Pa.

 FERGUSON, RICHARD E. (S'49-A'50-M'55), Design Engr., Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.

- FERGUSON, RICHARD E. (S'54-A'55), 67 Chittenden Ave., Columbus, Ohio. FERGUSON, ROLAND C. (S'50-A'54), Engr., United Control Corp., 4540 Union Bay Pl., Seattle 5, Wash. Control Corp., 4540 Union Bay P1., Seattle 5, Wash. FERGUSON, SAMUEL A. (SM'55), Mgr., Mountain View Operations, Sylvania Elec. Prods., Inc., Box 1296, Mountain View, Calif.

- Mountain View, Calif.
 FERKETICH, GEDRGE (A'49), Engr., The Martin Co.,
 Box 179, Denver 1, Colo.
 FERL, RUDOLPH H. (A'43), Electronics Foreman, Los
 Angeles Board of Education, 1425 S. San Pedro St., Los
 Angeles Board of Education, 1425 S. San Pedro St., Los
 Angeles SJ, OSEPH (A'41-M'55), Pres. & Gent. Mgr.,
 Tel-Rad, Inc., 592 New Park Ave., Hartford 10, Conn,
 FERLO, OLINDO F. (A'56), Electronics Scientist, U. S.
 Govt., Griffiss AFB, N.Y.
- FERMANIAN, ARMEN (M'54), Supvy, Engr., R. D. Brew Co., Concord, N.H.
- Co.. Concord, N.H.
 FERMELIA, LOUIS R. (S'56-M'57), Grad. Research & Teaching Asst., Univ. of Wyoming, Laramie, Wyo.
 FERNALD, OLAF H. (S'43-A'44-M'55), Engrg. Supvr.,
 Westinghouse Elec. Corp., Edison Township, N.J.
 FERNALD, ROBERT A. (S'52-A'55), Project Engr., High
 Voltage Engrg. Corp., Burlington, Mass.

- FERNANDES, A. A. DE CARVALHO (M'47), Mng. Dir., Standard Electrica, S.A.R.L., Avenida da India, Lisboa 3, Portugal.
- FERNANDES, JACK G. (A'54), Owner, Sr., Technician, Crosstown TV Service, 710 S. 1B St., Newark 3, N.J. FERNANDEZ, DAN T. (A'26), 140 W. Jackson St., Villa

- Park, III.

 FERNANDEZ, FERDINAND (S'56-M'59), 9019 National
 Blvd., Los Angeles 34, Calif.

 FERNANDEZ, HERBERT M. (M'59), Electronics Engr.,
 USAF, Kirland AFB, Albuquerque, N.M.

 FERNANDEZ, JOSEPH P. (M'5B), Mgr., Elec. Analysis
 Lab., IBM, San Jose 24, Calif.

 FERNANDEZ, LEON E. (A'5B), 322 Main St., Winchester,
 Mass.
- Mass.
 FERNANDEZ, MANUEL (A'27-M'44-SM'49), Dir., Communications & Electronics, Hars. Tactical Air Command, Langley AFB, Hampton, Va.
- AFB, Hampton, Va.
 FERNANDEZ, JOSCAR C. (M'56-SM'56), Mgr., Engrg.
 Office, Transradio Internatl., 379 San Martin, Buenos
 Aires, Argentina.
 FERNANOEZ-RIVAS, LUIS A. (A'53), Group Leader,
 Epsco, Inc., 275 Massachusetts Ave., Cambridge 39,
 Mass.
- FERNANE, JAMES (A'43-M'49-SM'5B), FCC Sr. Coordinating Engr., Hgrs. 20th Air Div., Richards-Gebaur AFB, Mo.
- FERNBACH, MAX (S'43-A'46-M'55), Electronic Scientist, Naval Air Development Center, Aviation Armament Labs., Johnsville, Pa.

- Jonnsville, Pa.
 FERNEKEES, JAMES E. (M'51), 9 Park Ave., Wapingers Falls, N.Y.
 FERNER, ERIK J. U. (A'56), Engrg. Sales Rep., Erik Ferner AB, Bromma 3, Stockholm, Sweden.
 FERNER, ROBERT O. (S'50-A'51-M'51), Sr. Electronics Engr., Convair-Astronautics, Box 112B, San Diego 12, Calif.
- FERNSTROM, CARL H. (A'52-M'54), Lt. Col., U.S. Army, Training Officer, G3 Sect., Hqrs. 2nd Army, Ft. Meade, Md.
- FERRANDO, HAROLD J. (M¹57), Calibration Supvr., Electronic Div., Bulova Watch Co., 40-06 62 St., Woodside 77, L.I., N.Y.

- //, L.I., N.Y.

 FERRANTE, DOMINIC (S'54-M'55), Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 FERRAR, ROBERT C. (SM'45), Assoc. Lab. Dir., ITT Labs., Nutley 10, N.J.

 FERRARA, ANGELO A. (A'53), Electronic Scientist, U. S. Coast & Geodetic Survey, Commerce Bidg., Washington 25, D.C.
- FEFERRARA, JOHN J. (S'54-M'56), Electronics Dev. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. FERRARO, DARIO (S'56-M'59), Design Engr., IBM Corp., Endicott, N.Y.
- Endicott, N.Y.

 FERRE, GLENN E. (S'56-M'57), Engr., Famsworth Electronics Co., 3700 E. Pontiac, Ft. Wayne, Ind.

 FERRE, MAURICE C. (M'49), Tech. Advisor to V.P., Research Schlumberger Well Surveying Corp., Box 307, Ridge-
- tield, Conn.

 FERREE, HOWARD B. (S'56-A'59), Service Rep., Times Facsimile Corp., 1523 'L' St., Washington, D.C.

 FERREIRA, DJALMA S. (S'57-M'59), Dir. de Elet. da Marinha, Ilha das Cobras, Rio de Janeiro, Brazil.

 FERREIRA, RODRIG (A'50), Instr., Business & Tech. Div., Long Beach City College, 1305 E.P.C. Hwy., Long Beach 6, Calif.
- 6, Calit.
 FERREL, DONALD W. (S'56-M'59), Missile Engrg.,
 Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd.,
 Santa Monica, Calif.
 FERRELL, ENOCH B. (A'25-M'29-SM'43-F'53), Dir.,
 Communications Techniques Research, Bell Tel. Labs.,
 Murray Hill, N.J.
- Communications Techniques Research, Bell Tel. Labs., Murray Hill, N.J.

 FERRELL, OLIVER P. (A'41), Editor, HiFi Review, ZiffOavis Publishing Corp., 1 Park Ave., New York 16, N. Y.

 FERRELL, PHILIP J. (M'57), Teaching Staff, Dept. of Elec. Engrg., Univ. of Washington, Seattle 5, Wash.

 FERRI, GIUSEPPE (M'56), Engr., GE Co., Microwave Lab., 601 California Ave., Palo Alto, Calif., FERRI, JOHN A. (A'57), TV Service Supvr., Hotpoint Co. Div., GE Co., 1503 Sherwood Ave., Richmond, Va. FERRI, JOHN F. (S'54-M'5B), Lt., ij., USN, Asst. Officerin-Chg., Electricity & Electronics Class "P" School, U.S. Naval Training Center, Great Lakes, III.

 FERRI, ROMANO I. (S'53-A'55), Staff Mem., Genl., Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.

 FERRIER, DAVID T. (A'42-SM'46), Dir., Field Engrg., Hazeltine Electronics Corp., 13B Haven Ave., Port Washington, L.I., N.Y.

 FERRIER, PIERRE A. (A'54), Research Engr. & Engrg., Compagnie des Machines Bull, Ave. Gambetta, No. 94, Paris 20, Seine, France.

 FERRILL, THOMAS M., JR. (A'42-M'43-SM'43), Patent

- Paris 20, Seine, France.

 FERRILL, THOMAS M., JR. (A'42-M'43-SM'43), Patent Counsel & Mgr., Patent Dept., Philoc Corp., Tioga & C Sts., Philadelphia 34, Pa.

 FERRIN, KENNET H S. (M'57), Circuit Engr., GE Computer Lab., 951 Commercial, Palo Alto, Calif.

 FERRIS, ALFRED B. (A'49), Electronics Engr., Naval Ordnance Test Sta., China Lake, Calif.

 FERRIS, C. CRAIG (S'54-M'57), Engr., Bendix Aviation Corp., 327 S. 4 St., Ann Arbor, Mich.

 FERRIS, CLIFFORD D. (S'55-M'59), Instr., Elec. Engrg., George Washington Univ., Washington 6, D.C.

 FERRIS, ERMAN E. (A'55), Project Engr., Advanced Electronics Center, GE Co., Ithaca, N.Y.

 FERRIS, ARAOLD (M'55), Project Liaison Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 3, Md.

 FERRIS, HAROLD A. (SM'51), Tech. Asst. to Dir. of

- Baltimore 3, Md.

 FERRIS, HAROLD A. (SM'51), Tech. Asst. to DIr. of Communications, Trans-Canada Air Lines, Internati. Aviation Bidg., Montreal, P.O., Canada.

 FERRIS, PHILIP A. (S'53-A'54), Supvy, Electronic Scientist, Air Force Cambridge Research Center, Hanscomb AFB, Mass.
- Mass.
 FERRIS, ROBERT C. (A'51-M'5B), Research Scientist, Cornell Aeronautical Labs., Box 235, Buffalo 21, N.Y.
 FERRIS, WALTON C., JR. (A'54), Oesign Engr., California Tech. Industries, 1421 Old County Rd., Belmont, Calif.
- FERRIS, WARREN R. (SM'46-F'53), Prof., Elec. Engrg., Univ. of South Carolina, Columbia, S.C.

FER-FIN - 169 -

- FERRIS, WILLIAM T. (A'37-VA'39), Owner & Engr., Ferris Electronics, 1057 W. Wellington Ave., Chicago 13, III.
- FERRON, JOHN A. (M'58), Elec. Engr., RCA, Camden,
- FERRY, JAMES, JR. (S'38-A'41), 770 Valley Rd.,
- FERRY, JAMES, JR. (5'38-A'41), 770 Valley Ro., Glencoe, III.

 FERRY, JOHN B. (M'59), Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 FERRY, ROBERT N. (S'35-A'38-M'45), Electronics Engr., Eastman Kodak Co., 20 Ave. E., Rocheser 21, N. Y.

 FERTIG, KENNETH (S'50-A'51-M'56), Group Leader, MIT, Instrumentation Lab., Cambridge 39, Mass.

 FERTIG, R. BAINES (A'52-M'58), Electronics Engr., Union Carbide Olefins Co., Box 8361, South Charleston 3, W. Va.

- W. Va.

 FERWALT, WILLIAM H. (A'57), Engr., Engineered Electronics Co., 506 E. 1st, Santa Ana, Calif.

 FESKO, JOHN, JR. (S'48-A'49-M'55), Specialist, Service, GE Co., Syracuse, N. Y.

 FESQ, HOWELL K. (M'58), RCA, Camden, N. J.

 FESSLER, ALBERT L. (A'47-M'50), Sr. Engr., Hughes

 Aircraft Co., Tucson, Ariz.

 FESSLER, WILLIAM H. (S'56-M'5B), Computer Applications Engr., RCA Missile & Surface Radar Div., Moorestown, N. J.

 FETHER, WILLIAM B. (A'52). Electronics Quality Control
- town, N. J.

 FETHER, WILLIAM B. (A'52), Electronics Quality Control Engr., No. Amer. Aviation, Downey, Calif.

 FETHEROLF, JAMES M. (A'42-M'55), Chief, Engrg. Design, Norden Labs. Div., United Aircraft Corp., 121 Westmoreland Ave., White Plains, N. Y.

 FETKO, JOHN F. (S'53-A'54), Elec. Engrg., ITT Labs., Nutley 10, N. Y.

 FETRIOG, PETEROLG.

- Nucley 10, N. Y.
 FETRIDGE, PETER V. (A'54), Engr., Page Communications
 Engrs., 710 14 St., Washington 5, D. C.
 FETROWITZ, LEON (M'59), Administrative Engr., Dome &
 Margolin, Inc., 29, New York Ave., Westbury, L. I., N. Y.
 FETSCH, JOSEPH T. (S'46-SM'47), Head, Electron Tubes
 & Solid State Devices Branch, U. S. Naval Material Lab.,
 Brooklyn, N. Y.
 FETT, GILBERT H. (SM'45-F'58), Prof., Elec. Engrg.,
 Univ. of Illinois, Urbana, III.
 FETTER, RICHARD W. (S'48-A'50-SM'55), Sr. Research
 Engr., Midwest Research Institute, 425 Volker Blvd., Kansas City 10, Mo.
 FETTERMAN. D. M. (J'27-A'30-VA'39), Consulting Engr.,

- Sas City 10, Mo.

 FETTERMAN, D. M. (J'27-A'30-VA'39), Consulting Engr.,
 6128 N. Naper, Chicago 31, III.

 FETTEROLF, WARREN F. (S'57-A'58), Instrumentation
 Research & Dev. Technician "A", Convair, Ft. Worth 9,
 Tex.
- FETTWEIS, ALFRED L. M. (M'56), Head, Dev. Sect., Transmission Lab., Bell Tel. Mfg. Co., Francis Welles Plein, Antwerp, Belgium.
- Plein, Antwern, Belgium.

 FETZER, JOHN E. (A'24-M'28-SM'43), Pres., Fetzer
 Broadcasting Co., 590 W. Maple St., Kalamazoo, Mich.

 FETZER, MERVIN J. (S'57-M'59), N.S. Rosman Navy,
 1BB, Public Works Dept., FPO, New York, N.Y.

 FETZNER, RAYNER W. (A'51-M'57), Chief Engr., Rollan
 Electric Co., B233 S. Princeton Ave., Chicago 20, III.
- Electric Co., B233 S. Princeton Ave., Chicago 20, III.
 FEUCHT, DONALO L. (S'55-M'58), Instr., Elec. Engro.
 Det., Carnegie Institute of Technology, Schenley Park,
 Pittsburgh 13, Pa.
 FEUCHT, ROBERT E. (S'4B-A'50-M'58), Project Engr.,
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro,
 N. J.

- N. J.

 FEUCHT, RDBERT W. (S'55-M'57), 6031/2 S. Main,
 Victoria, Tex.

 FEUERSTEIN, ERWIN (A'49-M'56), Chief, Theory Group,
 Lab. for Electronics, 75 Pitts St., Boston, Mass.

 FEW, ERNEST I. (A'56), Supvr., Apprenticeship, Govt. of
 Alberta, Edmonton, Alta, Canada.

 FEW, FRED A. (M'55), Div. Transmission Supvr., Southwestern Bell Tel. Co., 324 E. 11 St., Kansas City 6, Mo.

 FEWER, D. RAYMOND (S'50-A'53-M'58-SM'58), Sr.

 Project Engr., Texas Instruments, Inc., Box 312, Dallas,
 Tex.

- Project Engr., Texas Instruments, Inc., Box 312, Dalias, Tex.

 FEY, CURT (A'59), Asst. Instr., Univ. of Pennsylvania, Philadelphia, Pa.

 FEY, H. FRANK (M'58), Liaison Engr., Stavld Engrg., Inc., U.S. Hwy. 22, Plainfield, N. J.

 FEYER, FRANK (M'58), Liaison Engr., Stavld Engrg., Inc., U.S. Hwy. 22, Plainfield, N. J.

 FEYERRERM, MARVIN P. (A'42-M'45-SM'59), Reliability Engr., RCA, Camden, N. J.

 FEZER, HAROLD (A'45-M'50), Dir., Training, RCA Institutes, Inc., 350 W. 4 St., New York 14, N. Y.

 FFOULKES, CECIL E. (A'43-M'46), Service Engr., GE
 Co., 210 W. 8 St., Jacksonville, Fla.

 FIALKOV, HERMAN (A'47-M'55), Pres., Genl. Transistor Corp., 91-27 138 Pl., Jamaica 35, L. I., N. Y.

 FIALKOWSKI, FRANK A., JR. (S'54-M'57), Elec, Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 FICEK, JOHN A. (A'50-M'55), Electronics Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington Ave., Cincinnati 25, Ohio.

 FICH, SYLVAN (A'44-M'48-SM'57), Prof., Elec. Engrg., Rutgers Univ., New Brunswick, N. J.

 FICHTER, WALTER C., JR. (M'55), Engr., RCA, Harrison, N. J.

 FICHTL, RALPH R. (A'43), Field Engr., RCA, 744 Broad
- FICHTL, RALPH R. (A'43), Field Engr., RCA, 744 Broad St., Newark 2, N. J.
- St., Newark 2, N.J. FICK, CLIFFORD G. (A'25-SM'46-F'51), Mgr., Research Liaison Services, Research Lab., GE Co., Schenectady,

- N. Y.

 FICKE, HAROLD C. (A'54), Field Engr., Philco Corp., 22
 St. & Lehigh Ave., Philadelphia 32, Pa.

 FICKEN, WILLIAM H. (S'55-M'57), Project Engr., Bendix Aviation Co., Teterboro, N. J.

 FICKET, MARVIS M. (M'54), Dept. Mgr., Raytheon Mfg. Co., Waitham 54, Mass.

 FICKLIN, BILLY P. (S'56-M'58), Tuslog Det. 4, APO 254, New York, N.Y.

 FIDANZA, WILLIAM (A'58), Computer Technician, Burrouglis Corp., 511 N. Broad St., Philadelphia, Pa.

 FIDENZA, GORDON B. (S'56-M'58), 2nd Lt., U.S. Army, Ft. Belvoir, Va.

 FIDELMAN, DAVID (A'42-M'58), Dir., Microwave Engrg., Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mount Vernon, N.Y.

 FIDEN, WILLIAM H. (A'55), Mem. Tech. Staff, The Ramo
 FIDEN, WILLIAM H. (A'55), Mem. Tech. Staff, The Ramo-
- FIDEN, WILLIAM H. (A'55), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Hawthome,

- FIDLER, HAROLD E. (A'59), Electronics Lab. Technician, MB Mfg. Co... 1781 Whallev Ave... New Haven. Com FIDLER, RAYMOND D. (S'54-A'56), Electronics Lecturer, Temple Univ., Tech. Institute, Philadelphia, Pa. FIDLER, RICHARD R. (S'50-A'52-M'577), Dept. Mgr., Sylvania Elec. Prods., Inc., 189 B St., Needham., Mass. FIEBICH, FUGENE C. (A'53), Dir., Engrg., Heath Co., Hilltop Rd., St. Joseph, Mich.
 FIEDELMAN, CHARLES (SM'577), Sect. Mgr., American Machine & Foundry Co., 1025 N. Royal St., Alexandria, Va.

- FIEDERER, JOSEPH A. (S'55-M'57), Engr., GE Co., Syracuse, N.Y.
- FIEDERER, JOSEPH A. (S/55-M/57), Engr., Ge Co., Syracuse, N.Y.
 FIEDLER, GEORGE J. (A'40-SM'46), Principal Engr., Controls & Instrumentation Sect., Sverdrup & Parcel, Inc., Consulting Engrs., 915 Olive St., St. Louis 1, Mo. FIEDLER, LEROY (A'30-M'44), Tech. Oir., WKBW, Inc., 1430 Main St., Buffalo 9, N.Y.
 FIEOLER, ROBERT A. (A'56), 7525 Jerwood, St. Louis 20, Mo.
- FIEUD, FRED W. (A'55), 7325 Jerwood), 3c. Louis 20, Mo.
 FIEGEHEN, GEORGE D.A. (A'55), C.O.M. Forward Propagation Tropospheric Scatter System, Bell Tel. Co. of Canada, Montreal, P.Q., Canada.
 FIEGE-KOLLMANN, HEINZ (M'56-SM'58), Systems Engr., Westinghouse Elec. Corp., Baltimore 3. Md.
 FIELD, BURTON W. (A'46), Genl. Mgr., Pulse Engrg. & Mfg., Inc., Rte. 4, Wayzata, Minn.
 FIELD, FRANCIS M. (A'5B), 1119 John Marshall Dr., Falls Church, Va.
 FIELD, FREO W. (A'51-A'53-M'57), Electronics Engr., Hughes Airraft Co., Communication Systems Lab., Culver City, Calif.
 FIELD, GEORGE R. (A'53-SM'57), Mgr., Electronics Design & Dev., RCA, Moorestown, N.J.
 FIELD, GEORGE R. (A'53-SM'57), Dept. of Natl. Defence, "A" Blog., Otlawa, Ont., Canada.
 FIELD, GORDON C. (S'54-M'55), Dev. Engr., Northern

- "A Bidg., Ottawa, Ont., Canada FIELD, GORDON C. (S'54-M'55), Dev. Engr., Northem Electric Co., Ltd., Belleville, Ont., Canada FIELD, HAROLD S. (A'52-M'57), Rescarch Engr., Geo-physical Research Corp., 136 Mohawk Blvd., Tulsa 4, Okla.
- FIELD, JACK O. (S'58-M'59), 10204 S. Felton, Inglewood,

- Calif.

 FIELD, JAMES M. (S'55-M'58), Elec. Engr., Bell Tel.
 Labs., Murray Hill, N.J.

 FIELD JOSEPH S., JR. (M'56), Pres., WIRK, 711 S.

 Flagler Or., West Palm Beach, Fla.

 FIELD, LESTER M. (M'48-F'52), Assoc. Dir., Research
 Labs., Hughes Aircraft Co., Culver City, Calif.

 FIELD, MELVIN D. (S'54-M'55), Supvr., Analysis &
 Computation Lab., Melpar, Inc., 43 Leon St., Boston,
 Mass.
- Mass.
 FIELD, PAUL L. (M'56), Chief Inspector, Fairchild Astrionics Div., Wyandanch, L.I., N.Y.
 FIELD, PERCY A. (A'30-VA'39-SM'54), Sect. Leader &
 Tech. Editor, Defence Research Telecommunications Est.,
 Defence Research Board, Ottawa, Ont., Canada.
 FIELD, ROBERT F. (A'18-M'30-SM'43-F'47)(L), Retired, 104 Church St., Watertown 72, Mass.
- FIELD, SOLOMONE., JR. (A'58), 7710 25 Ave., Sacramento 20, Calif.
- mento 20, Laiti. FIELD, THOMAS O. (S'50-A'50-M'55), Chief Engr., Equipment Engrg., Dale Prods., Inc., Box 136, Columbus, Neb.

- Neb.
 FIELD, W. THAYER (A'15-VA'39)(L), Consulting Engr.,
 91A Forest Dr., Springfield, N.J.
 FIELD, WILL A. (A'43-M'55), Electronics Engr., USN
 Ordnance Test Sta., Inyokern, China Lake, Calif.
 FIELD, WILLIAM G. (S'43-A'46-M'56), Physicist, Air
 Force Cambridge Research Center, Hanscom Field, Bedford,
 Mass
- FIELD, WILLIAM R. (S'56-M'59), Research Asst., Univ. of California Los Alamos Scientific Lab., Los Alamos, N.M.
- N.M.
 FIELDER, DANIEL C. (SM'50), Assoc. Prof., Elec. Engrg.,
 Georgia Institute of Technology, Atlanta 13, Ga.
 FIELDING, BURT L. (A'48-M'50), Liaison Engr., United
 Electro Dynamics Div., United Geophysical Corp., 1200
 S. Marengo, Pasadena, Calif.
- S. Marengo, Pasadena, Calif.
 FIELDING, EDWARD A. (A'39-M'55), Mgr., Times Mill
 Components Group, Salford Electrical Instruments, Ltd.,
 Times Mill, Heywood, Lancs., England.
 FIELDS, GERALD S. (A'52-M'58), Supvr., TV Service,
 The Bimel Co., 2626 Colerain Ave., Cincinnati, Ohio.
 FIELDS, MOLLOWAY, JR. (S'51-A'52-M'57), Electronics Design Engr., GE Co., Syracuse, N.Y.

- tronics Design Engr., GE Co., Syracuse, N.Y.
 FIELDS, HUDSON (M'50). Instrumentation Engr., Pacific Missile Rance. Point Mugu. Calif. FIELDS, I. LINCOLN (A'55), Pres., Electronic Fields, Inc., 6801 Euclid Ave., Cleveland 13, Ohio.
 FIELDS, CUIIS (A'51), Chief Engr., Pacific Technical Co., 2047 Sawtelle, Los Angeles 25, Calif. FIELDS, RICHARD L. (S'56-M'59), Design Engr., Philco Coro., 3875 Fabian Wav. Palo Alto. Calif.
 FIELDS, THEODORE (A'49-SM'54), Asst. Dir., Radioisotope Service, VA Hospital, Hines, III.
 FIELDS, WILLIAM H., III (S'57-A'57), Jr. Electronics Engr., Fairchild Guided Missiles Div., Wyandanch, L.I., N.Y.

- FIEN, I. L. (A'59), Pres., Fien & Schwerin, Inc., 12 S. 12, Philadelphia 7, Pa. FIEN, I, DINO 0. (S'57-M'59), Jr. Engr., Haller, Raymond & Brown, Inc., State College, Pa. FIERSTEIN, JOSEPH H. (A'53-M'58), Design Engr., Instrument Div., Burroughs Corp., 12 & Vine St., Philadelphia, Pa.
- FIERSTON, STANLEY A. (S'55-M'58), Elec. Engr., Sylvania Elec. Prods., Inc., 189 "8" St., Needham 94. Mass FIET, JOSEPH H., III (A'50), Engrg. Specialist, GE Co.,
- Syracuse. N.Y.
 FIET, OWEN 0. (S'40-A'42-SM'50), Head, Launch Control Sect., Space Technology Labs., Box 95100, Los Angeles 45, Calif.
- Angeles 45, Call.

 FIFE, DENNIS W. (S'54-M'56), Research Asst., Electronic Defense Group, Univ. of Michigan, Ann Arbor, Mich.

 FIFE, GEORGE E., JR. (M'57), Lead Electronics Tech.
 Writer, Bendix Prods. Div., Missiles, 400 S. Beiger St.,
 Mishawaka, Ind.
- FIFE, RICHARD D. (\$157-M159), Engr., GE Co., 2000 Taylor St., Ft. Wayne, Ind.

- FIFE, SAMUEL T. (SM'48), Prof., Elec. Engrg., Univ. of Louisville, Louisville 8, Ky.

 FIFER, STANLEY (SM'55), Pres., Dian Labs., Inc., 611
 Broadway, New York 12, N.Y.

 FIFER, WILLIAM C. (S'56-M'58), Mem. Tech. Staff, Beli Tel. Labs., Whilopany, N.J.

 FIFIELD, DONALD (S'57-M'59), Field Engr., Hughes Aircraft Co., Culver City, Calif.

 FIFIELD, ROBERT K. (S'52-A'55-M'59), Electronics Engr., RCA, 11819 W. Olympic, Los Angeles 64, Calif.

 FIGART, EARL C. (M'57), Jr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 FIGEL, WILLIAM G. (M'56), Dev. Engr., Motorola, Inc., 4501 W. Augusta Blud, Chicago 31, Ill.

 FIGGE, ERWIN E. (S'49-A'51-M'58), Engr., American Bosch Arma Corp., Garden City, L.1., N.Y.

 FIGLIA, JOHN R. (A'46-M'46), Sr. Project Engr., Zenith Radio Corp., Chicago 39, Ill.

 FIGLIA, JOHN R. (A'46-M'46), Sr. Project Engr., Fairchild Camera & Instrument Corp., Robbins Lane, Syosset, L.1., N.Y.

- L.I., N.Y.
 FIGUEIRA MORAN, WALFRIDO (M'46), Prop. Genl. Mgr. & Chief Engr., CX 28 Radio Imparcial de Montevideo, Avda. Agraciada 1708, Montevideo, Uruguay.
 FILBERT, WILLIAM B. (S'54-M'57), Electronics Engr., Bendix Aviation Co., 11600 Sherman Way, North Hollywood, Calif.

- wood, Calif.

 FILES, CHARLES O. (M'49), Engr., Bendix Aviation,
 95 & Troost, Kansas City, Mo.

 FILES, WILBER D. (S'47-A'49-M'54-SM'56), Sr. Engr.,
 Haller, Raymond & Brown, Inc., State College, Pa.

 FILIP, MITCHELL (A'58), Engr., Sonora Electronic, Inc.,
 325 N. Hoyne, Chicago, III.

 FILIPDY, ALEXANDER M. (S'54-M'55), Instrument Production Engr., Tracerlab, Inc., 1601 Trapelo Rd., Waltham 54,
 Mass.
- FILIPOWSKY, RICHARD F. J. (A'50-SM'59), Advisory Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
- FILIPPAZZI, FRANCO W. (A'57), Research Engr., Ing. C. Olivetti & Co., 33 Via Parlamento, Borgolombardo, Milano,
- FILIPPINO, JOSEPH F. (A'53), Field Engr., Philoc Corp. of Canada, Ltd., Don Mills Rd., Don Mills, Ont., Canada.
- FILIPS, RUDOLPH P. (A'50), RVT, Field Engr., RCA, Camden, N.J.
- Camden, N.J.

 FILIZOLA, VINCENT F. (A'43-M'55), Sr. Engr., Paramount
 TV-KTLA, 5800 Sunset Blvd., Hollywood 28, Calif.

 FILKINS, LYLE D. (S'51-A'51-M'56), Sr. Engr., No.
 Amer. Aviation Co., 4300 E. 5 Ave., Columbus 16, Ohio.

 FILKOFF, HERBERT L. (SM'59), Sr. Design Engr., No.
 Amer. Aviation, El Segundo, Calif.
- FILLEBROWN, STEPHEN M. (A'52-M'57), Sr. Dev. Engr., Link Aviation, Inc., Box 1318, 530 University Ave., Palo Alto, Calif.

- Alto, Calif.

 FILLIMAN, JOHN J. (S'56-M'59), Engr., ITT Labs., Nutley 10, N.J.

 FILLINGER, RUSSELL V. (M'5B), Field Engr., Tektronix, Inc., Box B31, Portland, Ore.

 FILLMORE, FRANCIS A. (M'47-SM'53), TV Transmitter Engr., CBX-KMOX-TV, 1215 Cole St., St. Louis 6, Mo.

 FILMAN, NORMAN J. (A'44-M'54-SM'58), Mem. Tech. Staff; Aughes Research & Development Labs., Culver City, Calif.

- Calif.

 FILMER, JAMES C. (A'45-M'55), Production Engr., Varian Associates, 990 Varian St., San Carlos, Calif.

 FILMER, WALTER L. (A'30-VA'39-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 FILO, JOHN P. (A'49-M'56), Sr. Engr., ITT Labs., Nutley 1.0, N.J.

 FILYER, JOHN (A'5B), Plant Supvr., Canadian Natl. Telegraphs, 152 Water St., St., John's, Nild., Canada FIMMEL, RICHARD O. (M'56), Supvy. Electronics Engr., Chief, Data Processing Equipment Sect. & Programming & Applications, U. S. Army Signal Research & Development Lab., Fr. Momouth, N.J.

- Applications, U. S. Army Signal Research & Development
 Lab., Ft. Monmouth, N.J.
 FINCH, BOBBY G. (S'57-M'59), 3180 Schafer Rd.,
 Lansing 10, Mich.
 FINCH, HAROLD D. (A'44-M'46), Staff Engr., Sandia
 Corp., Sandia Base, Albuquerque, N.M.
 FINCH J. WALTER (SM'57), Branch Morr, G. S. Marshall
 Co., 3525 5 St., San Dlego 3, Calif.
 FINCH, JOHN B. (A'54), Mgr., Sales Engrg., Washington
 Federal Office, IBM, 1111 Connecticut Ave., Washington,
 D. C.
 FINCH MELVIND C. (SEE ALLER)

- D. C.
 FINCH, MELVIN D. (S'56-M'57), Assoc. Engr., Martin
 Co., Box 179, Denver 1, Colo.
 FINCH, TUDOR R. (M'46), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.
 FINCH, WILLIAM G. H. (J'16-A'18-M'25-SM'43-F'56),
 Capt., USNR, Retired. Consultant, Electronics, Box 44,
 Newtown, Com.
- Newtown, Corm.
 FINCHER, BARRY H. W. (S'57-A'57), Installation & Maint. Man, Associated Broadcasting Co., 1139 Bay St., Toronto, Ont. Canada.
 FINCHER, JOSEPH C. (S'55-M'57), Test Equipment Engr., GE Co., Syracuse, N.Y.
 FINCHUM, WILLIS ARNOLD (M'58), Instr., Utah State Univ., Logan, Utah.

- FINCHUM, WILLIS ARNOLD (M'58), Instr., Utah State Univ., Logan, Utah.
 FINDAL, PREBEN (5'56-M'57), Hagemanns Kollegium, Kristianiagade 10, Copenhagen, Denmark.
 FINDEIS, WALTER J. (S'48-A'51-M'55), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
 FINDLAY, DAVID A. (S'52-A'53), Editor, Electronics Book Div., Ziff-Davis Publishing Co., 1 Park Ave., New York, N.Y.
- FINDLAY, JOHN H. (SM'47), Dir., Quality Assurance, Sandia Corp., Sandia Base, Albuquerque, N.M. FINDLAY, JOHN W. (SM'57), Chun., Research Equipment Dev. Dept., Natl. Radio Astronomy Observatory, Green Bank, W.Va.
- W. va.

 FINDLEY, LAUREN K. (\$'34-A'41-\$M'55), Research Engr.,
 Electronics Communications, Inc., 1701 N. 72 St., St.

 Petersburg, Fla.

 FINDLEY, LEON D. (M'57), Head, Computing Services Sect.,
 Midwest Research Institute, 425 Volker Blvd., Kansas City
 10, Mo.
- FINDLEY, ROBERT W. (S'48-A'49-M'55), Electronics Engr., Carnegie Institute of Technology, Pittsburgh, P3.

- FINDLING, MARTIN J. (S'56-M'58), Transmission Systems Engr., Kellogg Communications, 6000 51 St., Chicago 38, III.

- 38, III.

 FINE, ARNOLD M. (S'48-A'50-M'55), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 FINE, CHARLES E. (S'5B-M'59), 3412 Tulane Dr., West Hyattsville, Md.

 FINE, EDWIN (A'51-M'56), Chief, Unit Test Engrg., Hughes Aircraft Co., El Segundo, Calif.

 FINE, EELLIOTT M. (M'58), Assoc. Design Engr., Emerson Radio & Phonograph Corp., 16 & Cole Sis., Jersey City, FINE, FREDERICK (S'57-M'59), Elec. Engr., U. S. Govt., Naval Research Lab., Washington, D.C.

 FINE, HARRY (A'50-M'55), Chief, Applied Propagation Branch, Tech. Research Div., FCC, Washington, D.C.

 FINE, LEONARD (S'52-A'54-M'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- FINE, SAMUEL (A'55), 616 St. Germaine Ave., Toronto, Ort., Canada.

- Ork., Canada,

 FINE, SAUL (S'50-A'53-M'5B), Electronics Engr., USN
 Underwater Ordnance Sta., Newport, R.I.

 FINE, WILLIAM P. (A'56), Jr. Engr., Carad Corp., 2850
 Bay Rd., Redwood City, Calif.

 FINEGAN, EDCAR F., JR. (S'57-M'5B), Evaluation Engr.,
 Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.

 FINEGOLD, IRVIN (A'40), Supt., Communications, City of
 Elyria, City Hall Bldg., Elyria, Ohio.

 FINEGOLD, LEO M. (S'53-A'55), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

 FINELLI, PATSY C. (A'5B). Chief Technician. Penn Key-

- Aircraft Co., Culver City, Calif
 FINELLI, PATSY C. (A'58), Chief Technician, Penn Keystone Corp., Hawkins St., Derby, Conn.
 FINES, WILBERT W. (A'56), Field Service Supvr., Canadian Westinghouse Co., Longwood Rd., Hamilton, Ont., Canada.
 FINGADD, FRANCIS H. (A'46-M'53), Instr., Instrumentation & Telemetry, Martin Co., Box 179, Denver 1, Colo.
 FINGER, PAUL R. (S'47-A'50-M'55), Project Engr.,
 Collins Radio Co., Cedar Radiós, Jowa.
 FINGER, THEODORE A. (S'55-M'57), Elec. Engr., Underwood Corp., 35-10 36 Ave., Long Island City, 6, N.Y.
 FINGERETT, JOSEPH A. (A'51-M'57), Sr. Mem. Tech.
 Staff, ITT Labs., 15151 Bledsoe St., San Fernando, Calif.
 FINGERE, WILLIAM JR. (S'35-A'38-SM'47), Pres.

- FINGERLE, WILLIAM, JR. (5'35-A'38-SM'47), Pres., Budelman Radio Corp., 375 Fairfield Ave., Stamford,
- Conn.

 FINHILL, MORTON (S'56-M'57), Field Engr., Hughes Aircraft Co., Culver City, Calif.

 FINISON, GEORGE W. (M'59), Engr., GE Co., Utica, N.Y.

 FINISON, HARVEY J. (M'51), Mgr., Semi-Conductor Div., Raytheon Mfg. Co., Newton, Mass.

 FINK, ALBERT (S'50-A'51-SM'56), Specialist, Flight Controls Engr., Republic Aviation Corp., Guided Missiles Div., 223 Jericho Toke, Mineola, L.I., N.Y.

- Div., 223 Jerícho Toke, Mineola, L.I., N.Y.
 FINK, CHARLES (M'56), Mgr., Radar & Surveillance Sect.
 Litton Industries, Inc., 4900 Calvert Rd., College Park, Md.
 FINK, DONALD G. (A'35-SM'45-F477), Dir., Research,
 Philoc Coro., C & Tioga Sts., Philadelphia 34, Pa.
 FINK, EDWIN A. (M'54), Engrg. Sect. Mgr., Philoc Coro.,
 4700 Wissahickon Ave., Philadelphia 44, Pa.
 FINK, ERNEST J. (S'42-A'45-M'55), Tech. Dir., Naval
 Inspector of Drdnance, 5D W. Main St., Rochester 14, N.Y.
 FINK, FRANKLIN G. (M'58), Sr. Dev. Engr., Loral Electronles Co., 825 Bronx River Ave., New York 72, N.Y.
 FINK, JACK G. (A'45-M'46), Engr., Hammond Organ Co.,
 2915 N. Western, Chicago, III.
 FINK, JACK S. (S'66-M'57), 5636 DuPont Ave., N.
- FINK, JAMES S. (S'56-M'57), 5636 DuPont Ave., N., Minneapolis 12, Minn.
- Minneapolis 12, Minn,
 FINK, JOEL H. (A'49-M'55), Design Engr., Westinghouse
 Elec. Corp., Horsehead, N.Y.
 FINK, LDUIS, III (M'48), Transmission Engr., The Bell Tel.
 Co. of Pennsylvania, 1835 Arch St., Philadelphia 3, Pa.
 FINK, LYMAN R. (SM'48-F'53), Genl. Mgr., Atomic Prods.
 Div., GE Co., Schenectady 5, N.Y.
 FINK, MARVIN (S'48-A'50-M'58), Electronics Project
 Engr., RCA, Moorestown, N.J.
 FINK, MILTON J. (M'57), Supvy. Electronics Technician,
 U.S. Army Electronics Proving Grounds, Ft. Huachuca,
 Ariz.

- FINK, SHELDON B. (S'56-M'59), Jr. Engr., ITT Labs., FINK, WILLIAM L. (S'55-M'57), Nuclear Engr., Convair, Ft. Worth, Tex.

- Ft. Worth, Tex.

 FINK, WILLIAM R. (M'57), Electronic Components Engr., RCA, Moorestown, N.J.

 FINK BONER, WAYNE E. (S'57-M'59), 4937 W. Bryce, Ft. Worth 7, Tex.

 FINKE, H.E., JAMES (M'59), Patent Atty., Porter, Chittick & Russell, 41 Tremont St., Boston 8, Mass.

 FINKE, HERBERT A. (M'43), Genl. Mgr., Polytechnic Research & Development Corp., 200 Tillary St., Brooklyn 30, N.Y.

- Research & Development Corp., 200 Tillary St., Brooklyn 30, N.Y.

 FINKE, HOWARD G. (S'50-A'51-M'56), Sect. Mgr., Advanced Electronic Systems, McDonnell Aircraft Corp., 80x 516, St. Louis 3, Mo.

 FINKE, RICHARD S. (M'58), Pres., Engrg. Associates, 2125 Maryland Ave., Baltimore, Md.

 FINKE, WENDELL H. (S'58-M'59), Assoc. Engr., Boeing Airplane Co., Renton, Wash.

 FINKEL, ABRAHAM (A'50-M'55), Electronics Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Soring, Md.

 FINKEL, JULES ('54-A'55), Research Assoc., Dewey & Co., 202 E. 44 St., New York 17, N.Y.

 FINKELSTEIN, ARTHUR B. (S'57-M'59), Ensign, USN, Home: 38 Parkvale Ave., Allston 34, Mass.

 FINKELSTEIN, AVID (S'53-A'53-M'58), Project Engr., Eclipse Pioneer Div., Sendia, Aviation, Teterboro, N.J.

 FINKELSTEIN, MARTHUR S. (S'49-A'51-M'56), Chief Engr., MF Electronics Co., 122 E. 25 St., New York 10, N.Y.

 FINKELSTEIN, MORRIS 8. (M'49-SM'55), Elec. Engr., RCA, Camden 8, N.J.

 FINKEN, KENNETH R., JR. (A'55), Project Engr., Dome & Margolin, Inc., 29 New York 49. Westbury 1
- FINKEN, KENNETH R., JR. (A'55), Project Engr., Dome & Margolin, Inc., 29 New York Ave., Westbury, L.I., N.Y.
- FINKLER, RONALD A. (S'49-A'51-M'56), Sect. Head. Genl. Precision Lab., Inc., 63 Bedford Rd., Pleasant-ville, N.Y.
- FINLAY, GEORGE E. (A'46), Electronics Engr., Montgomery Ward & Co., 618 W. Chicago Ave., Chicago 7, III.

- FINLAY, REGINALD S. (A'55), Components Engr., Bendix Aviation Corp., 313 E. 69 Ter., Kansas City 13, Mo. FINLAYSON, JAMES A. (M'56), Fellow Engr., Westing-house Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.
- FINLEY, ARNOLD D. (A'47-M'51), Supvr. of Procurement, Sylvania Electronics Systems Div., Waltham 54, Mass.
- Sylvania Electronics Systems Div., Waltham 54, Mass.
 FINLEY, CALVIN G. (S'52-A'54-M'55), Design Engr.,
 Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 FINLEY, JACK D. (M'56), Dir., Engro., Missile Systems,
 Systems Development Corp., 7500 Xenia Pike, Dayton 3,
 Ohio.

- Ohio.

 FINLEY, RICHARD W. (M'59), Elec. Engr., R. B. Marshall & Associates, Monticello, Ind.

 FINLEY, WILL A. (A'54), Mem. Tech. Staff. The Ramo-Wooldridge Corn., Los Angeles 34, Calif.

 FINLEY, WILLIAM S. (M'57), Research Engr., Hughes Aircraft Corp., 17 & Park, Tucson, Ariz.

 FINLON, FRANCIS P. (M'56), Assoc. Prof., Engrg., Research, Pennsylvania State Univ., State College, Pa. FINN, DAVID L. (A'51-M'53), Prof., Elec. Engrg., Georgia Institute of Technology, Atlanta, Ga.

 FINN, EDWARD C. (A'57), Owner, Ed. Finn T.V., 269

 Bayville Ave., Bayville, L.I., N.Y.

 FINN, HAROLD M. (SM'59), Systems Engr., RCA, Moorestown, N.J.

- town, N.J.

 FINN, PHILIP L. (A'46-M'51), Project Mgr., Electronics
 Div., Otis Elevator Co., 35 Ryerson St., Brooklyn, N.Y.

 FINN, ROBERT S. (A'51-M'56), V.P., Seismograph Service
 Corn., Box 1590, Tulsa 1, Okla.

 FINNEAULT, WENDALL I. (M'57), Engr., Sylvania Elec.
 Prods., Inc., Wobum, Mass.

 FINNEGAN, FRANCIS J. (S'49-A'51-M'54-SM'58),
 Engr., Genl. Radio Co., 22 Baker Ave., West Concord,
 Mass.

- Mass.
 FINNERAN, ROBERT J. (A'54), Electronics Engr., Melpar, Inc., 3000 Arlington Blvd., Fall's Church, Va.
 FINNERAN, WILLIAM J. (A'52), Engr., Edgerton, Germeshausen & Grier, 160 Brookline Ave., Boston, Mass.
 FINNEY, BRANDON W. (S'50-A'51), Techrep., GE Co., McChord AFB, Tacoma, Wash.
 FINNEY, DONALD J. (SM'56), Staff Engr., Missile Systems Div., Lockheed Aircraft, Box 504, Sunnyvale, Calif.
 FINNEY, KEITH L. (A'57), Audio Engrg., Natl. Broadcasting Service, Parliament House, Canbera City, A.C.T., Australia.
 FINNEY, RICHARD (4'41-M'55), 49 Church Woy. Montal
- Australia.
 FINNEY, RICHARD (A'41-M'55), 49 Church Way, Whetstone, London, N. 20, England.
 FINNEY, WILL IAM J. (5'42-A'45-SM'49), Head, Electronics Branch, U. S. Naval Research Lab., Washington 25, D.C.
- FINNIGAN, CHARLES W. (A'35-SM'46), Dir., Commercial Engro., Crosley Div., AVCO Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio. FINNIGAN, ROBERT E. (S'54-M'56), Control Systems Engr., Univ. of California Radiation Lab., East Ave., Livermore, Calif.

- Calif.

 FINOCCHI, ANTHONY J. (M'55), Reliability Mgr., Missile & Space Div., ITT Labs., Nutley 1D, N. J.

 FINOCCHIARO, EUGENE C. (S'49-A'51-M'57), Elec. Engr., Genl. Dynamics, Groton, Conn.

 FINOCHARO, JOHN J. (M'47), Reconnaissance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 FINSTUEN, RALPH E. (S'56-M'59), Tech. Writer, IBM, Poughkeepsie, N. Y.
- FIOCCO, GIORGIO D. (M'58), Mem. Tech. Staff, Marconi's W. T. Co., Ltd., Great Baddow, Chelmsford, Essex, England.
- England
 FIOL, LUIS E. (M'58), Assoc. Prof., Elec. Engrg., Univ. of Puerto Rico, College Sta., Mayaguez, Puerto Rico.
 FIOLA, WILLIAM J. (S'57-M'59), Engr., Datamatic, 151 Needham St., Newton, Mass.
 FIORE, RICHARD E. (S'54-M'56), Microwave-Antenna Design Engr., RCA, Moorestown, N.J.
 FIORE, W. VICTOR (M'55), Chief Engr., Montrose Div., 8endix Aviation Corp., South Montrose, Pa.
 FIORELLI, MICHAEL C. (M'57), Capt., U.S. Army, Communications Officer, Engrg. Signal Corps Hors. & Hors. Co., 2nd Infantry Brigade, Ft. Devans, Mass.
 FIORELLO, EDWARD A. (S'50-A'50-A'55), Systems Test

- FIORELLO, EDWARD A. (S'50-A'50-M'55), Systems Test Engr., Lab. for Electronics, Inc., 1079 Commonwealth Ave., Boston 15, Mass.
- Boston 15, Mass.
 FIORENTINO, GUIDO (4'55), Project Engr., Societa Olivetti, Ivrea, Italy.
 FIORLETTA, ALI A. (S'51-A'53-M'58), Project Engr., The W. L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.
 FIRE, PHILIP (M'57), Sect. Head, Sylvania Reconnaissance System Lab., Box 188, Mountain View, Calif.
 FIRESTONE, WILLIAM L. (M'49-S'50-SM'53), Chief Engr., Research Dept., Motorola, Inc., 4501 W. Augusta Blvd., Chicago, III.

- Blvd., Chicago, III.

 FIRLE, TOMAS E. (S'52-A'53-M'55), Research Physicist, Genl. Atomic, Box 608, San Diego 12, Calif.

 FIRLOTTE, JOSEPH L. (M'57), Instr., Radar & Communications School, Clinton, Ont., Canada.

 FIRNER, JEROME F. (S'55-M'56), Elec. Engr., Bendix Aviation Corp., 4D0 S. Begier, Mishawaka, Ind.

 FIRPI, ALFREDO (S'54-M'56), Elec. Engr., Sole Electric, Apdo 4107, San Juan, Puerto Rico.
- Apdo 4107, San Juan, Puerto Rico.
 FIRSCHEIN, OSCAR (S'48-A'50-M'58), Systems Designer,
 Lockheed Missile Systems Div., Palo Alto, Calif.
 FIRST, DOUGLAS (S'48-A'49-M'55-SM'55), Electronic
 Scientist, Material Lab., New York Naval Shipyard, Brooklyn
 1, N.Y.
- FIRST, MERVIN H. (S'50-A'52-M'57), Chief Engr., Filter Div., Filtron Co., Inc., 131-15 Fowler Ave., Flushing 55, L.I., N.Y.
- FIRTH, EDWARD E. (SM'59), Chief, Electronic & Optical Sect., Engineers Research & Development Labs., Ft. Belvoir, Va.
- Detvoir, Va.

 FIRTH, ERIC (A'45-M'54), Sales Mgr., Relay Div., Electronics Div., Elgin Natl. Watch Co., 2435 N.

 Naomi St., Burbank, Calif.
 FIRTH, JACK H. (M'55), M/Sgt. Operations, 43rd Communications Sqdn., Hamilton AFB, Calif.
 FISCH, ALLAN (S'55-M'57), Hors. Sales Engr., GE Co., Erie, Pa.
- FISCH, BUD M. W. (A'54), Mfrs'. Agent, 1400 N. Beverly Dr., Beverly Hills, Calif.
 FISCH. ERNEST A. (A'54), Engr., GE Co., Syracuse, N.Y.

- FISCH, JEROME (A'54), Asst. Chief Electronics Engr., Bulova Research & Dev. Labs., 62-10 Woodside Ave., Woodside 77, L.1., N.Y.
 FISCH, ROBERTA. (S'55-M'59), 2nd Lt., U.S.Ammy, Signal Corps, Ft. Monmouth, N.J.
 FISCHBACH, JACK T. (A'57), Mgr., Electronics Div. Taylor Engrg., Inc., 2100 St. Paul St., Baltimore 18, Md.

- Taylor Engry, inc., 2100 St. Paul St., Baltimore 16, Md.

 FISCHBACHER, RONALD E. (SM'58), Head, Electronics Deot., British Scientific Instrument Research Assn., 'SIRA', South Hill, Chislehurst, Kent, England.

 FISCHBACH-NAZARIO H. (M'59), Instr., College of Agriculture & Mechanic Arts, Mayaguez, Puerto Rico.

 FISCHBECK, KENNETH H. (A'54), Tech. Staff Mem., RCA, Advanced Military Systems, Princeton, N. J.

 FISCHER, ALFRED N. (M'57), V.P. B/R Electronics, Inc., 33 Litchfield St., Rochester 8, N.Y.

 FISCHER, ANDREW J. (A'26), Prop., Andrew Fischer Associates, 4554 Broadway, Chicago 40, Ill.

 FISCHER, ARTHUR J. (S'56-M'57), Engr., Martin Co., Sand Lake Rd., Orlando, Fia.

 FISCHER, BERNHARD (A'43-SM'54), Instr., Los Angeles City College, 855 N. Vermont Ave., Los Angeles 29, Calif.

 FISCHER, CHARLES H. (A'55), Research Physicist, Hughes

- City College, 835 N. Vermont Ave., Los Angeles 29, Calif.
 FISCHER, CHARLES H. (A'55), Research Physicist, Hughes Aircraft Co., Culver City, Calif.
 FISCHER, DAVID W. (S'52-A'55), Lt. Cmdr., USN, Tech. Asst. to Dir., Equipment Support Div., USN Electronics Supply Office, Bldg. 3400, Great Lakes, III.
 FISCHER, DEWEY W., JR. (A'55), Assoc. Engr., Raytheon Mfg. Co., White Sands Missile Range, N. M.
 FISCHER, DONALD H. (A'55), Dev. Engr., AiR-search Mfg. Co. of Arizona, 402 S. 36 St., Phoenix, Ariz.
 FISCHER, DONOVAN G. (S'56-M'57), Mem. Tech. Research Staff, Texas Instruments, Inc., 6000 Lemmon Ave., Oallas 9, Tex.
 FISCHER, E. JOHN (S'54-M'56), Electronics Dev. Engr., Canadian Arsenals, Ltd., Box 256, Postal Sta. H, Toronto 13, Ont., Canada.
- FISCHER, EDGAR H. (S'55-M'59), 1212 Colesville-Fair-land Rd., Silver Spring, Md. FISCHER, EDWARD (S'48-A'52-M'57), 951 Reynolds Ave., Kansas City, Kan.
- Ave., Kansas City, Kan.
 FISCHER, EDWARD W. (S'58-A'59), Electronics Technician, Stereophonic Automation Corp., 8225 W. Christiana, Skokie, III.
- FISCHER, FRED W. (A'36-SM'46), Mgr., Military Sales, Westinghouse Elec. Corp., Friendship Airport, Baltimore 3, Md.
- Md.
 FISCHER, FREDERIC P. (M'46-SM'49), Prof. & Head,
 Dept. of Elec. Engrg., Univ. of Buffalo, Buffalo 14, N. Y.
 FISCHER, FREDERICK E. (S'54-M'57), Assoc. Engr.,
 Missile Electronics Systems Dept., McDonnell Aircraft
 Corp., Lambert-St. Louis Municipal Airport, Box 516,
 St. Louis 2, March
- Corp., Lambert-St. Louis Municipal Airport, Box 516, St. Louis 3, Mo. FISCHER, HENRY L. (S'49-A'53-M'57), Sr. Mem. Tech. Staff, RCA, Burlington, Mass. FISCHER, HERBERT B. (A'25-SM'46), Transmission Systems Dev. Engr., Bell Tel. Labs., Murray Hill, N. J. FISCHER, JOACHIM (S'49-A'50-M'58), Ford Fellow, Sr. Elec. Engr., C. E. R. N. European Organization for Nuclear Research, Geneva 23, Switzerland.

- Elec. Engr., C.E. R.N., Luropean Urpanization for Nuclear Research, Geneva 23, Switzerland.

 FISCHER, JOHN J. (A'52-M'57), Project Engr., Autonetics Oiv., No. Amer. Aviation, Downey, Calif.

 FISCHER, JOHN N. (M'55), Lead System Design Engr., Chance-Vought Aircraft, Inc., Dallas, Tex.

 FISCHER, JOHN T. (S'49-A'53-M'58), Research Engr., RCA Labs., Princeton, N. J.

 FISCHER, JOSEPH F., JR. (M'58), Sr. Electronics Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.

 FISCHER, KARL (A'55), Research & Dev. Engr., Telefunken GmbH, Elisabethen Str., Ulm/Donau, Germany.

 FISCHER, LAURENCE A. (S'50-A'51), Staff Asst. to Mgt., Bendix Aviation Corp., Hickory Grove Rd., Davenport, Iowa.

 FISCHER, LAURENCE A. (S'50-A'51), Steec. Engr., Federal Telecommunication Labs., Nutley 10, N. J.

 FISCHER, LEONARD O. (A'27-VA'39), Sr. Project Engr., ITT Labs., Nutley 10, N. J.

 FISCHER, NORMAN C. (A'50), Craftsman EMTC, AT&T Co., Evansville, Ind.

 FISCHER, PAUL F. (SM'56), 1329 N. Richman Knoll, Fullerton, Calif.

 FISCHER, PETER P. (M'58), Engr., Westinghouse Elec.

- FISCHER, PETER P. (M'58), Engr., Westinghouse Elec. Com., Box 746, Baltimore 3, Md.
 FISCHER, ROBERT F. (S'54-M'57), Elec. Engr., Raytheon Mfg., Bedford, Mass.
- FISCHER, ROBERT L. (SM'58), 15 Ashby Rd., Fairfax,
- FISCHER, ROBERT W. (A'53-M'58), Field Engr., Hazel-tine Electronics Coro., 59-25 Little Neck Pkwy., Little Neck, L.I., N.Y.
- Neck, L. I., N. Y.

 FISCHER, WILLIAM (A'56), Sr. Engr., Rabinow Engrg.
 Co., Inc., 7212 New Hampshire Ave., Washington, D. C.

 FISCHGRUNO, HERBERT (S'55-M'56), Electronics Research
 Engr., Lockheed Missile & Space Div., Sunnyvale, Calif.

 FISCHLER, MARTIN A. (S'57-M'58), Scientist, Lockheed
 Aircraft Corp., Palo Alto, Calif.

 FISCHLER, PAUL E. (M'46), Chief Engr., Liebel-Flarsheim Co., 111 E. Amity Rd., Cincinnati 15, Ohio.
- sneim Co., 111 E. Amity Rd., Cincinnati 15, Ohio. FISCHMAN, MORTON (S'49-A'53-M'58), Electronics Scientist, Naval Research Lab., Washington 25, D. C. FISCHMANN, ARIEH F. (M'51), Research Group Leader, Ministry of Defense, Scientific Dept., Box 7063, Hakirya, Tel-Aviv, Israel.
- FISH, CLARENCE A. (M'58), Engr., RCA, Moorestown, N.J.
- FISH, GEORGE D. (S'57-M'59), Instrumentation Operations Engr., McDonnell Aircraft Corp., Lambert Municipal Airport, St. Louis, Mo.
- St. LOUIS, MO.
 ISH, KENNETH L. (A'52), Liaison Engr., Servo-mechanisms, Inc., 1000 W. El Segundo Blvd., Hawthorne, Calif.
 FISH, PRICE (A'41-SM'46), Project Engr., CBS, 485
 Madison Ave., New York, N.Y.
 FISH, R. LEE (A'56-M'59), Instr., Electronics, Capital
 Hill Sr. High School, 500 S.W. 36 St., Oklahoma City,
 Okla.
- FISH, WALTER Y. (S'49-A'50-M'55), V.P. Engrg. & Chief Engr., Amoux Corp., 11924 W. Washington Blvd., Los Angeles 66, Calif.

FIS-FLA - 171 -

- FISHBACK, KENNETH H. (S'50-A'51-M'56), System Design Engr., Systems Development Corp., 2500 Colorado St., Santa Monica, Calif
- St., Santa Monica, Calif.

 FISHBEIN, MILTON (SM'55), Continental Vending Machine
 Com., 956 Brush Hollow Rd., Westbury, L.I., N. Y.

 FISHBEIN, SAMUEL B. (A'45-M'51-SM'52), Tech. Liaison
 & Customer Relation, Internatl. Electric Corp., Rte. 17,
 Garden State Pkwy., Paramus, N. J.

 FISHBERG, SIDNEY (A'28-VA'39-M'55), Chief Engr.,
 Film Capacitors, Inc., 3400 Park Ave., New York 56,
 N. Y.

- N.Y.

 FISHBURN, HENRY R. (S'58-M'59), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 FISHEL, JEROME I. (A'55), Dir., Mktg., Genl. Transistor Corp., 91-27 138 Pl. Jamaica 35, L. I., N.Y.

 FISHER, ALEXANDER (A'48), Pres., Commercial Radio Sound Corp., 652 1st. Ave., New York 16, N.Y.

 FISHER, ALVIN M. (S'57-A'58), Electronics Technologist, Turnbull Elevator Co., Ltd., 126 John St., Toronto 2B, Ont., Canada.

- Unt., Canada.
 FISHER, BENJAMIN A. (A'38-SM'46), Assoc. Prof.,
 Elec. Engro., Illinois Institute of Technology, 3300 S.
 Federal St., Chicago 16, Ill.
 FISHER, BERT (M'58), Capt., USAF, Electronics Officer,
 848th AC&W Sqdn., APO 74, San Francisco, Calif.
 FISHER, BRUCE W. (M'95), Elec. Engr., BaBri-Greenleaf
 & Associates, Inc., 14700 Detroit Ave., Cleveland 2,
 Ohio. & As
- FISHER, BYRON E. (M'56), Principal Electronics Technician, Chemistry Dept., U.C.L.A., 405 Hilgard Ave., Los Angeles 24, Calif.
- FISHER, CECIL C. (SM'54), Pres., Fisher Engrg., Inc., 2060 U. S. 24 East, Huntington, Ind.
- FISHER, CHARLES (A'57), Field Engr., RCA, Camden,
- N. J.
 FISHER, CHARLES A. (S'57-M'59), Elec. Engr., U.S.
 Naval Ordnance Lab., White Oak, Md.
 FISHER, CHARLES B. (A'33-M'55), Pres., Radio Engrg.
 Prods., 1080 University St., Montreal 3, P. Q.,
 Canada.

- Canada,
 FISHER, CHARLES D. (M'52), Mgr., Tech. Writers, RCA
 Service Co., Canden 8, N. J.
 FISHER, CHARLES D. (M'52), Assoc. Engr., McDonnell
 Aircraft Corp., 8ox 51.6, St. Louis 3, Mo.
 FISHER, CHIFFOND E. (M'56), Histor., Califomia State
 Polytechnic College, San Luis Obispo, Calif.
 FISHER, DALE L. (M'59), Radio Engr., FAA Aeronautical
 Center, Dox 1062, Oklahoma City, Okla.
 Center, Dox 1062, Oklahoma City, Okla.
 FISHER, DAVID L. (M'46-SM'51), Dept. Head, Sperry
 Gyroscope Co., Great Neck, L. I., N. Y.
 FISHER, DONALD E. (K'54), Electronics Engr., The
 Chemstrand Corp., Pensacola, Fla.
 FISHER, DONALD E. (A'54), Electronics Engr., Famsworth Electronics Co., 3702 E. Pontiac, Ft. Wayne 1,
 Ind.
 FISHER, DONALD E. (A'57), Electronics Engr., FamsFISHER, DONALD E. (A'57), Electronics Engr., Fams-
- Ind.
 FISHER, DONALD M. (A'57), Elec. Design Engr.,
 RCA, Camden, N.J.
 FISHER, EDMUND C. (A'49-M'52), Exec. Govt. Communications Hgrs., Oakley Farm, Priors Rd., Cheltenham, Glos,
 England.
- England.

 FISHER, EDWARD J. (A'52-M'58) Pres., Tresco, Inc., 3824 Terrace St., Philadelphia 28, Pa.

 FISHER, EDWARD M. (A'47-M'55), Aeronautical Research Engr., Naval Ordnance Lab., White Oak, Silver Spring, Md.

 FISHER, EDWIN H. (A'48-M'55), Pres., American Dynamics Corp., 146 Main St., Maynard, Mass.

 FISHER, F. S. (M'45), Engr., Radio Engrg. Prod., Ltd., 1080 University St., Montreal 3, P.Q., Canada.

 FISHER, FRED (A'53-M'57), Patent Attomey, Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia, Pa.

 FISHER, GARY J. (S'56-M'57), Engr., Electronics Re-
- FISHER, GARY J. (S'56-M'57), Engr., Electronics Re-search Labs., 632 W. 125 St., New York 27, N.Y.
- search Labs., 632 W. 125 St., New York 27, N.Y. FISHER, GEORGE C. (S'56-M'59), 266 Linden Ave., Verona, N.J. FISHER, GEORGE F. (S'48-A'50), V.P., -in-Chg. of Engrg., Midland Mfg., Co., Inc., 3155 Fiberglass Rd., Kansas City, Kan.
- FISHER, GEORGE W. (S'42-A'44), Radio Engr., Hydro Electric Power Commission of Ontario, 620 University Ave., Toronto, Ont., Canada.
- FISHER, GERALD M. (S'56-M'59), Box 1893, Rapid City,
- S. U.
 FISHER, GERHARD (M'41-SM'43), Pres., Fisher Research
 Lab., Inc., 1961-65 University Ave., Palo Alto, Calif.:
 Pres., Fisher Research Lab., Lt., 1272 W. Pender St.,
 Vancouver, 8. C., Canada.
 FISHER, GLEN T. (S'57-M'57), Asst. Engr., Canadian
 Pacific Railway, 1255 Phillips Sq., Montreal, P.Q.,
 Canada.
- FISHER, HAROLD G. (A'50), Asst. Electronics Group Engr., Convair, 3302 Pacific Hwy., San Diego, Calif. FISHER, HAROLD J. (A'47-SM'48), Test Engr., Bell Tel. Labs., Murray Hill, N.J.

- FISHER, HARQLD J. (A'47-SM'48), Test Engr., Bell Tel. Labs., Murray Hill, N.J.

 FISHER, HARRY F., JR. (M'59), Sr. Engr., Radiation, inc., Methoume, Fla.
 FISHER, HARRY V., JR. (S'57-M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.
 FISHER, HERBERT F. (A'32-V4'39), Sect. Chief, Supplies Inspection Organization, Western Electric Co., 10101 Woodland Ave., Cleveland 4, Ohio.
 FISHER, JAMES L. (A'56), Supvry. Engr., Calvanometers, Century Electronics & Instruments, Inc., 1333 N. Utica, Tulsa 10, Okla.
 FISHER, JOHN B. (A'55), Engr., RCA, Somerville, N.J.
 FISHER, JOHN B. (A'55), Engr., RCA, Somerville, N.J.
 FISHER, JOHN C. (M'57), Physicist, GE Research Lab., Schenectady, N.Y.
 FISHER, JOHN E. (A'56), Maj., USAF, Communications & Electronics Officer, 1932nd AACS Sqdn., APO 677, New York, N.Y.
 FISHER, JOHN H. (M'52), V.P., & Chief Engr., Astron Corp., 255 Grant Ave., East Newark, N.J.
 FISHER, JOSEPH F. (SM'48), Engry. Sect. Mgr., Philod Corp., Govt. & Industrial Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 FISHER, KURT (M'57), Electronics Scientist, U.S. Naval

- Philadelphia 44, Pa.
 FISHER, KURT (M'57), Electronics Scientist, U.S. Naval
 Air Development Center, Johnsville, Pa.
 FISHER L. RICHARD (M'53), Sales Engr., Sylvania Elec.
 Prods., Inc., 411 Oak St., Cincinnati 19, Ohio.
 FISHER, LEONARD P., JR. (A'58), Project Technician,
 Missile Div., Chrysler Corp., Van Dyke & 16 Mile Rd.,
 Worren, Mich.

- FISHER, LESTER M. (A'54), Asst. Dir., Systems Engrg., Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex. FISHER, LEWIS (A'56), Communications Super., Canadian Marconi Co., Box 994, St. Johns, Nifd., Canada. FISHER, LOUIS L. (A'49-M'51), Sr. Project Engr., Levinthal Electronic Prods., Inc., 3180 Hanover Ave., Palo Alto, Calif.
- Calif.

 FISHER, MARK R., JR. (S'47-A'48-M'55), Project Engr.,
 Chrysler Corp., Missile Div., Box 2628, Detroit 31, Mich.

 FISHER, MARWOOD K. (M'54), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

 FISHER, MAX C. (A'55), Div. Transmission Supvr.,
 Southwestern Bell Tel. Co., Ft. Worth 2, Tex.

 FISHER, MELVIN K. (M'55), Electronics Engr., Radio
 Telemetry, U. S., Naval Air Development Center, Code
 ED-52, Johnsville, Pa.

- ED-52, Johnsville, Pa.
 FISHER, PAUL A. (A'48), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
 FISHER, RALPH C. (S'57-A'58), Electronics Technician, Eberline Instrument Corp., 805 Early St., Santa Fe, N.M.
 FISHER, RAYMOND C. (A'32-SM'46), Retired, 10215
 Belgrove Ct., Seattle 77, Wash.
 FISHER, RAYMOND W. (M'53), Sr. Engr., Western Electric Co., 4'4St., Winston-Salem, N.C.
- FISHER, REED E. (S'57-M'58), 805 Washington Ave., Bethlehem. Pa.
- Bethiehem, Pa.
 FISHER, RICHARD C. (S'57-M'59), Research Engr., No.
 Amer. Aviation, Internatl. Airport, Los Angeles, Calif.
 FISHER, RICHARD J. (A'53), Tech. Writer, Collins Radio
 Co., Čedar Rapids, Iowa.
- Co., Cedar Rapids, Iowa.
 FISHER, RICHARD L. (5'53-M'56), 1st Lt., USAF,
 Military Air Transport Service Navigator, McGulre AFB,
 N.J.
 FISHER, ROBERT 8. (M'55), V.P., Davis Equipment, Inc.,
 4907 E. 11, Tulsa 12, Okla.
 FISHER, ROBERT H. (M'56), Elec. Engr., Natl. Security
 Agy., 3801 Nebraska Ave., Washington 25, D.C.

- Agy., 3801 Nebraska Ave., Washington 25, D.C.
 FISHER, ROBERT M. (A'55), Mgr., Transmitter Design,
 RCA, Moorestown, N.J.
 FISHER, RODNEY E. (A'53-M'58), Jr. Engr., Pickard &
 Bums, Inc., 240 Highland Ave., Needham 94, Mass.
 FISHER, SETH G. (S'46-A'47-M'55), Supvy. Engr.,
 Westinghouse Elec. Corp., Box 746, Baltimore 3. Md.
 FISHER, SIDNEY T. (M'42-SM'43), V.P., Radio Engrg.
 Prods., Ltd., 1080 University St., Montreal 3, P.Q.,
 Canada.
- FISHER, STANLEY G. (A'52), Dev. & Prod. Mgr. (Electronics), Bodnar Industries, Inc., 238 Huguengt St., New Rochelle, N.Y.

- Rochelle, N.Y.
 FISHER, STERLING (A'48-M'55-SM'57), Sect. Head, Engro. Dept., Electro-Mechanical Research, Inc., Box 3041, Sarasota, Fla.
 FISHER, WESTON C. (A'42-M'45-SM'49), Mktg. Mgr. Commercial Prods. Div., Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos, Calif.
 FISHER, WILLIAM W. (A'47-M'55), Sr. Engr., Melstrom Mfg. Corp., Fayette St., Perth Amboy, N.J.
 FISHMAN, GEORGE N. (S'44-A'47-M'55), Treas., Keel Mfg. Corp., 389 S. Main St., Freeport, L.I., N.Y.
 FISHMAN, HARVEY M. (S'55-M'59), Elec. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
- FISHMAN, HER8ERT (SM'58), 511 Demong Dr., Syracuse 3, N.Y.
- FISHMAN, HERBERT (SM'58), 511 Demong Dr., Syracuse 3, N.Y.

 FISHMAN MAX (S'42-A'49-M'55), Staff Scientist, Missile System Div., Lockheed Aircraft Coro., Palo Alto, Calif.

 FISHMAN, SOLOMON (A'41-SM'45), Prof., Elec. Enorg., Newark College of Enorg., High St., Newark 2, N.J.

 FISHMAN, THEDODRE (S'46-A'50-S'54-M'57), Electronics Engr., Brookhaven Natl. Lab., Upton, L.I., N.Y.

 FISHNER, STANLEY (A'53), Govt. & Industrial Sales Rep., 120 Colonel Dr., Rome, N.Y.

 FISK, ERNEST T. (Sir) (M'15-F'26) (L), Consultant, Box 9, Roseville, NSW, Australia,

 FISK, HARRY V. (A'52-SM'57), Equipment Engr., Sperry Rand Coro., Waldo Rd., Gainesville, Fla.

 FISK, JAMES B. (SM'52-F'55), Pres., Bell Tel. Labs., Murray Hill, N.J.

 FISK, JEROME W. (M'57), Engr., The Ramo-Wooldridge Coro., 5730 Arbor Vitae, Los Angeles 45, Calif.

 FISK, NEWTON H. (S'50-A'51-M'58), Advanced Design Engr., Martin Co., 8ox 2831, Orlando, Fla.

 FISK, RONALD E. (A'45-M'47), Specialist, Antenna & Relay Engr., GE Co., Syracuse, N.Y.

 FISK, RONALD H. (A'43-M'55), TV Transmitter Supvr., Detroit News, 2620, Green Field, Royal Oak 23, Mich.

 FISK, WILLIAM J. (M'55), Test Facilities Engro., West-imphores Fleer Corn Fiendship Internatl Aimned.

- FISK, WILLIAM J. (M'55), Test Facilities Engrg., West-inghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 28, Md.
- FISKE, JOHN J. (S'41-A'42-M'48), Mfrs. Rep., AMP, Inc., 155 Park St., Elizabethtown, Pa.; Jennings Radio Mfg. Corp., 970 McLaughlin Ave., San Jose 8, Calif.

- Mfg. Corp., 970 McLaughlin Ave., San Jose B, Calif.
 FISKEN, JOHN L. (S'55-4758), Engr., Canadair Services, Ltd., Boeing Airplane Co., Seattle, Wash.
 FISSELL, CARL, JR. (A'55), Patent Atty., Burroughs Research Center, Paoli, Pa.
 FISTAL, MAYER S. (S'57-M'59), Patner, Electronic & Acoustic Labs., Dorchester, Mass.
 FISTER, THEODORE J. (A'42), Service Deot., Westinghouse Elec. Supply Co., 400 Eisenhower Blvd., Harrisburg, Pa.
 FITCH, GEORGE E. (M'58), Electronics Engr., GS-11, USN. Box 1042. U. S. Naval Sta., Key West, Fla.
 FITCH, HUBERT E. (A'57), Electronics Technician, Telonic Industries, Inc., 75 N. 2nd Ave., Beech Grove, Ind.
 FITCH, JOHN A. (A'36-M'45), SIaff Asst., Deputy for Industrial Preparedness, JU. S. Ammy Signal Supply Agency, 225 S. 1.8 St., Philadelphia 3, Pa.
 FITCH, JOHN L. (S'44-A'48), Consultant, GE Microwave

- 225 S. 18 St., Philadelphia 3, Pa.
 FITCH, JOHN L. (S'44-A'48), Consultant, GE Microwave
 Lab., 601 California, Palo Alto, Calif.
 FITCH, WILLIAM A. (J'26-A'29-M'37-SM'43), Radio
 Engr., CBS, 485 Madison Ave., New York 22, N. Y.
 FITCH, WILLIAM M. (S'43-A'45-M'51), Project Engr.,
 Motorola. Inc. 4545 Augusta Blyd., Chicago 51, Ill.
 FITCH, WILLIAM T. (M'57), Project Leader, Motorola, In
 Semiconductor Div., 5005 E. McDowell, Phoenix,
 Ariz.
- FITHIAN, DAVID H. (M'55), Project Engr., Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles 7, Calif.
 FITTA, EUGENE R. (M'58), 1921 N. Charles St., Belleville, III.

- FITTERER, CHARLES E. (A'52-M'56), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
- FITTING, GEORGE M. (A'56), Standards Engr., Allen B. DuMont Labs., Inc., 11800 W. Olympic Blvd., Los Angeles 64, Calif.

- Angeles 64, Calif.
 FITTS, R(CHARD E, (S'51-A'54-M'57), 1st Lt., USAF,
 393 Bomb Sqdn., Pease AFB, N.H.
 FITTS, SAMUEL M. (SM 55), Supvr., Miniature Tubes.,
 Mfg. Engr., GE Co., Owensboro, Ky.
 FITTS, WILLIAM F. (A'48-M'55), Parner, Argus Television
 Service, 71 Walthery Ave., Ridgewood, N.J.
 FITZALLEN, JOHN H., JR. (A'44-M'48), Supvr., Communications, Toronto Transit Commission, 35 Younge St.,
 Toronto, Ont., Canada.
- FITZGERALD, BRIAN P. (S'56-M'58), 2nd Lt., USMC, Missile Officer, MCB, 29 Palms, Calif. FITZGERALD, DANIEL J. (S'58-A'58), Electronics Technician, Federal Television Corp., 1910 23 Ter., Astoria, L.I., N.Y.
- FITZGERALD, DONALD F. (S'51-A'52-M'57), Assoc. Prof., Elec. Engrg., Mississippi State Univ. State College, Miss.
- Pror., Elec. Engrg., MISSISSIPPI State Univ. State College, MISS.
 FITZGERALD, GEORGE M. (A'53), Journeyman Technician, RCA Service Co., 31.89 Summer Ave., Memphis, Tenn.
 FITZGERALD, GREGORY E. (S'55-M'57), Engr., Lear, Inc., 3171 S. Bundy, Santa Monica, Calif.
 FITZGERALD, JAMES A. (S'56-M'58), Jr. Engr., Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.
 FITZGERALD, JAMES P. (S'56-M'58), Elec. Engr., U. S. Gott., Naval Air Test Sta., Patuxent, Md.
 FITZGERALD, JOHN F. (A'55), Sr. Engr., Sylvania Electronics Defense Lab., Box 205, Mountain View, Calif.
 FITZGERALD, JOHN J. (M'55-SM'58), Sect. Mgr., Raytheon Mig. Co., Wayland, Mass.
 FITZGERALD, RAYW. (S'56-M'59), Electronics Engr., Applies Research Lab., Glendale 8, Calif.
 FITZGERALD, P. MARSHALL (S'54-M'58), Assoc. Re-

- Applies Research Lab., Glehoale J., Call. F. Starth Scientist, Lockheed Aircraft Corp., Box 504, Sunnyvale, Call. F. Starth Scientist, Lockheed Aircraft Corp., Box 504, Sunnyvale, Call. F. TZGERALD, PATRICK J. (S'54-A'55), Assoc. Engr., The W. L. Maxson Corp., 460 W. 34 St., New York 34, N.Y.

- N.Y.
 FITZGERALD, RAYW. (S'56-M'59), Electronics Engr.,
 Applies Research Lab., Glendale 8, Calif.
 FITZGERALD, RICHARD R. (S'57-M'59), Dev. Engr.,
 Johnson Service Co., 507 E. Michigan St., Milwaukee 1,
 Wis.
- WIS.
 FITZGERALD, ROBERT T. (A'50-M'55), Asst. Branch
 Chief, Diamond Ordnance Fuze Labs., Connecticut Ave.,
 N.W., Washington 25, D.C.
- FITZGERALD, THOMAS J., JR. (A'52-M'57), Chief Systems Engr., Epsco, Inc., 588 Commonwealth Ave., Boston, Mass.
- Boston, Mass.

 FITZGERALD, WILLIAM D. (S'56-M'57), Engr., Chu
 Associates, Whitcomb Ave., Littleton, Mass.

 FITZGIBBONS, JAMES J. (M'57), Dept. Head, Elec.
 Technology Dept., Hudson Valley Technical Institute, Troy,
 N.Y.
- FITZ-HUGH, CHARLES D., JR. (S'56-M'57), Elec. Engr., Remington Rand Univac, E.S.O., Great Lakes, III. FITZHUGH, HOWARD S., II (M'56), Sr. Engr., Martin Co., Baltimore, Md.
- Co., Baltimore, Md.

 FITZMAYER, LOUIS H. (S'55-M'56), Radiation Engr.,
 Electronics Range Dept., GE Co., Louisville 1, Ky.

 FITZMORRIS, STANLEY R. (S'41-A'43-M'45), Specialist,
 System Analysis, HMED, GE Co., Syracuse, N.Y.

 FITZPATRICK, ARTHUR G. (A'53-M'58), Contracts Administrator, Electronic Instruments Div., Burroughs Corp.,
 1209 Vine St., Philadelphia 7, Pa.

 FITZPATRICK, JAMES A. (S'56-M'58), Jr. Engr., Kollsman Instrument Corp., 80-OB 45 Ave., Elmburst 73, L.1.,
 N.Y.

- N.Y.
 FITZPATRICK, JAMES J. (A'53), Project Engr., Missile Guidance, GE Co., Syracuse, N.Y.
 FITZPATRICK, JAMES P. (A'54-M'57-SM'58), Mem.
 Tech. Staff, GE Microwave Lab., 601 California Ave.,
 Palo Alto, Calif.
- FITZPATRICK, JOSEPH F. (M'5B), Elec. Engr., Technitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.
- Pa,
 Acoustics, Box 4B2, San Rafael, Calif.
 FITZROY, DARIEL C. (A'57), Consultant, Architectural
 Acoustics, Box 4B2, San Rafael, Calif.
 FITZSIMMONS, THEODORE J. (A'53-M'58), Asst. Engr.,
 Cha, Round Hill Field Sta., MIT, South Dartmouth, Mass.
 FITZSIMMONS, WILLIAM L. (A'57), Sales Engr., Grayhill,
 Inc., 561 Hillgrove Ave., Lagrange, Ill.
 FITZ SIMON, DONALD E. J. (A'59), Mgr., Amateur Dept.,
 Radio & Television Parts Co., 1828 N. St. Mary's St.,
 San Antonio, Tex.
 EITZWATER, MARDLD I. (SIES-MIST), Doi: 10.
- FITZWATER, HAROLD L. (S'55-M'57), Design Engr., Giffilan Brothers, Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

- 6, Calif.
 FITZWATER, WILLIAM JR. (M'51), Sr. Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 FIVEL, MILTON J. (S'47-A'50-M'55), Protect Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 FIVES, JOHN J. (M'57), Experimental Engr., Allison Div., GMC, Indianapolis 6, Ind.
 FIX, OLIVER W. (S'50-A'53-M'56-SM'57), Capt., USAF, Sattelite Systems Protect Office Tracking Controller, Air Force Ballistic Missile Div. Field Office, Box 1567, Vananaber Alexander Calif.
- Force Ballistic Missile Div. Field Uffice, Box 1967, Vandenberg AFB, Lompoc, Calif.

 FIX, WILLIAM G. (M'55), Sales Engr., Carborundium Co., 3335 W. 47 St., Chicago 32, III.

 FIXMAN, GORDON (M'58), 8160 Stanford Ave., St. Louis 24, Mo.
- 24, MO.
 FIXSEN, RICHARD E. (S'56-M'57), Electronics Engr., Convair-Astronautics, 5001 Kearney Villa Rd., San Diego 12, Calif.
 FJELDSTED, NORMAN B. (A'52-M'56), Mgr., Digital Computer Mktg., Aeronutronic Systems, Inc., 2701 Halladay St., Santa Ana, Calif.
- LACCD, ARTHUR F. (A'54), Elec. Engr., RCA, Camden 2, N.J.
 FLACKD, ARTHUR F. (A'54), Elec. Engr., RCA, Camden 2, N.J.
 FLACK, STANLEY G. (S'33-A'34-VA'39-M'55), Elec. Engr., Trygve Hoff & Associates, 1922 E. 107 St., Cleveland 6, Ohio.

- FLACK, WOLF I. (SM'50), Head, Production Engrg., Radio & Allied Industries, Ltd., Langley Park, Slough, Bucks,

- England.

 FLACKBERT, A. CLYDE (S'42-A'45-SM'53), Chief Engr., Reliability, Martin Co., Denver 1, Colo.

 FLACKBERT, WARREN D. (S'47-A'48-M'55), Patent Lawyer, Lockwood, Woodard, Snith & Flackbert, 516 Court Bidg., Evansville 8, Ind.

 FLAD, F. RICHARD (M'57), Engr., Raytheon Mfg. Co., Wayland, Mass.

 FLAGG, DAVID G. (S'50-A'51), Project Engr., Bendix Radio, Communications Div., Joppa Rd., Baltimore 4, Md.

 FLAGG, DURLIN J. (S'50-A'52-M'56), Engr., Pacific Telephone & Telegraph Co., 740 S. Olive St., Los Angeles 55, Calif.
- FLAHARTY, CLIFFORD L. (S'4B-A'55), Group Engr., Martin Co., Box 179, Mail B-3, Denver 1, Colo. FLAHERTY, FRANCIS E., JR. (A'52-M'57), Electronics Engr. & Physicist, Gillette Safety Razor Co., Boston, Mass.
- Engr. & Physicist, Gillette Safety Razor Co., Boston, Mass.
 FLAHERTY, JAMES M. (A'54-M'55), Research Engr., Westinghouse Elec. Corp., Box 868, Pittsburgh, Pa.
 FLAHERTY, JOHN B., JR. (M'53), Electronics Engr., Martin Co., Orlando, Fla.
 FLAHERTY, JOHN J. (S'58-M'59), Engrg. Asst., Raytheon Mrg. Co., Waltham 54, Mass.
 FLAHERTY, ROBERT J. (M'58), Assoc. Engr., IBM, Poughkeepsie, N.Y.
 FLAHERTY, THOMAS J. (S'57-A'59), 113 Millen Dr., North Syracuse 12, N.Y.
 FLAHER, THOMAS J. (S'56-M'57), Electronics Engr., Hars., ASA Operational Center, Ft. Huachuca, Ariz.
 FLAMENBAUM, MYRON (S'57-M'59), Jr. Engr., RCA, 7043 Cooper Ave., Pennsauken, N.J.
 FLAMHOLTZ, PHILIP (A'59), Mfrs. Rep., Govt. Sales, Home: 1209 Sylvia Rd., Seaford, L.I., N.Y.
 FLAN, ANTHONY (M'55), Research & Dev. Engr., Fidelivox Oliv., Waters Conley Co., Inc.; Home: 2033 Glen Oak Dr., Glenview, III.

- FLAN, AN I HONY 100 307, necession 2033 Glen Oak D Div., Waters Conley Co., Inc.; Home: 2033 Glen Oak D Glenview, III. FLANAGAN, FRANCIS M. (M'59), Asst. Dev. Engr., Burroughs Corp., Paoli, Pa. FLANAGAN, J. ROGER (S'57-M'57), Mgr., WIVV, Box 338, Vieques, Puerto Rico.

- FLANAGAN, JAMES D. (S'52-A'53-M'58), Engr., Applied Physicis Lab., The Johns Hopkins Univ., Silver Spring, Md.
- FLANAGAN, JAMES L. (A'51-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. FLANAGAN, JOHN R. (S'57-M'58), 350 Rochelle Ave., Rochelle Park, N.J.

- KOCHEILE PAIK, N.J.

 FLANAGAN, THOMAS J. (M'58), Staff Mem., Sandia Corp.,
 Sandia Base, Albuquerque, N.M.

 FLANDERS, ANDREW E. (A'54-M'56), Sr. Electronics
 Engr., Convair, Box 1011, Pomona, Calif.
 FLANDERS, ERNEST S. (S'56-M'58), Elec. Engr., IBM,
 Owego, N.Y.

- Uwego, N. Y.
 FLANINGAM LEWIS A. (S'47-A'50-M'58), Sr. Project
 Engr., AC Spark Plug Div., Milwaukee, Wis.
 FLANLEY, WALTER F. (SM'57), V.P., Federal Electric
 Corp., 439 Parrott Dr., Sam Mateo, Calif.
 FLANNELL, C. FRED (M'57), Dir., Electronics Computer
 Dept., Royal McBee Corp., Westchester Ave., Port Chester,
 N.Y.
- N.Y.
 FLANNERY, WILLIAM E. (S'57-M'59), Engr., Remington Rand Univac, 1900 Allegheny Ave., Philadelphia, Pa.
 FLARITY, WARREN H. (A'47-M'55), Design Specialist, Ryan Aeronautical Co., Electronics Div., Kearny Mesa, San Diego, Calif.
- FLASHNER, GEORGE (A'50-M'55), Circuit Design Engr., GE Co.. Dewitt 14. N.Y.
 FLASKERUD, KENNETH A. (S'53-A'54), Field Engr., Western Union Telegraph Co., 317 2nd Ave., S., Minneapolis 1, Minn.
- FLATEAU, SAMUEL L. (S'57-M'59), Engr., RCA, Cam-den, N.J.
- FLATEAU, SAMUEL L. (S'57-M'59), Engr., RCA, Camden, N.J.
 FLATH, EARL H., JR., (A'44-M'45), Chief, Communications Systems Sect., Chance-Vought Aircraft, Dallas. Tex.
 FLATO, MATTHEW (S'47-A'50-M'55), Electronics
 Scientist, Naval Research Lab., Washington 25, D.C.
 FLATOW, TOBIAS (SM'56), Geophysics Research Specialist, Humble Oil & Refining Co., Box 2180, Houston 1, Tex.
 HATTAU, THEDODRE (S'51-A'55), Engr., Airborne Instrument Labs., 160 Oid Country Rd., Mineola, L.I., N.Y.
 FLATTAU, WALTER (M'58), Engr., Sperry Gyroscope Co.,
 Great Neck L.I., N.Y.
 FLATTAU, MCHAEL A. (S'52-A'53-M'57), Sr. Research
 Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 FLAVIN, MICHAEL A. (S'53-A'55), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 FLAX, MICHAEL J. (S'54-M'57), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 FLEARY, WALTER K. (A'57), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.
 FLECK, K. A. (M'59), Anderson Electric Corp., Drawer
 2151, Bimmingham I, Ala.
 FLECK, WALTER (SM'59), Operations Mgr., Westinghouse
 Elec. Corp., Bath, N.Y.
 FLECKENSTEIN, WILLIAMD. (A'52-M'57), Data Systems
 Dev. Finor, Ball Tall Labs. (A'30 West. St. Mem. Vol. 1980)

- PLECKENSTEIN, WILLIAM O. (A'52-M'57), Data Systems Dev. Engr., Bell Tel. Labs., 463 West St., New York, N.Y.

- FLEISCHER, KENNETH M. (M'57), Sr. Dev. Engr., Minneapolis-Honeywell Regulator Co., St. Petersburg,

- FLEISCHER, PAUL E. (S'54-M'57), Instr., Elec. Engrg. Dept., New York Univ., University Hgts., New York 53, N.Y.
- N.Y.
 FLEISCHER, VICTOR N. (S'54-M'57), Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N.Y.
 FLEISCHMAN, MARVIN (A'57), Sr. Lab. Technician,
 Manson Labs., 375 Fairfield Ave., Stamford, Conn.
 FLEISCHMANN, FREDERICK A. (A'51), Supt., Electronic
 Production, U.S. Science Corp., 10200 Aviation Blvd.,
 Los Angeles, Calif.
- FLEISHER, HAROLO (M'57), Dev. Engr., IBM, Pough-keepsie, N.Y.
- FLEISHER, MELVIN D. (M¹56), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y. FLEISHMAN, GEORGE (A¹56), 21-50 33 Rd., Long Island City 6, N.Y.
- City 6, N.Y.

 FLEISHMAN, SROBERT (M'58), Field Engr., Transitron Electronic Corp., 2319 Maryland Ave., Baltimore 15, Md. FLEISIG, ROSS (A'59), 58 Kilburn Rd., Garden City, L.I.,
- N.Y.

 FLEISNER, C.L. (S'41-A'43-M'55), Owner, Crown Engra, .3621 Commercial, N.E., Albuquerque, N.M.

 FLEMING, BOBBY R. (S'57-M'59), Elec. Engr., Neco Electrical Prods., Bay Springs, Miss.

 FLEMING, CLARENCE W. (S'49-A'50), Elec Engr., Adolph Coors Co., Golden, Colo.

 FLEMING, COURTLAND C. (A'41-M'44), Mem. Tech. Staff, Bell Tel. Lab., Whippany, N.J.

 FLEMING, DONALD R. (S'56-M'58), Flight Test Engr., Convair, Ft. Worth, Tex.

 FLEMING, FRANCIS L., JR. (S'55-M'56), Lt., USN, Deputy Advanced Planning Div., Pacific Missile Range, Point Mugu, Calif.

 FLEMING, GEORGE C. (A'52-M'54), Fleetmics Engr.

- Point Mugu, Calif.

 FLEMING, GEORGE C. (A'52-M'54), Electronics Engr., Air Research & Development Command, Hors., Air Proving Ground Center, PGOV, Eglin AFB, Fla.

 FLEMING, HAROLD A. (M'45), Design Engr. "A", Lockheed Missile & Space Div., Sumpyale, Calif.

 FLEMING, HARRY D. (A'51-M'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 FLEMING, HENRY P., JR. (S'57-A'58), Electronics Technician, Litton Industries, Inc., 5009 Calvert Rd., College Park, Md.

- Park, Md.
 FLEMING, HOWARD C. (SM'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.
 FLEMING, HUGH B. (A'50-M'55), Pres. Pulse Engrg., Inc., 560 Robert Ave., Santa Clara, Calif.
 FLEMING, IRVING A. (A'57), Industrial Sales Mgr., Kay Sales Co., 2600 Grand Ave., Kansas City, Mo.
 FLEMING, JAMES H. (S'54-M'56), Nuclear Power Engr., Naval Reactors Branch of Atomic Energy Commission, U.C.
 Washington, D.C.
- FLEMING, JAMES J. (A'42-M'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C. FLEMING, JAY S. (S'56-M'58), Jr. Engr., Radiation, Inc., Melbourne, Fla.
- FLEMING, JOHN A. (M'5B), Engr., GE Co., Utlca, N.Y. FLEMING, LAWRENCE (M'46-SM'51), Div. Engr., Southwestern Industrial Electronics Co., 10201 Westheimer, Houston 24, Tex.
- Houston 24, Tex.
 FLEMING, MICHAEL E. (S'56-M'58), 2319 Loring PI.,
 Bronx 68, N.Y.
 FLEMING, PATRICK A. (SM'56), Tech. Secy., British
 Radio Vatve Mfrs. Assn., Piccadifly House, 16 Jermyn
 St., London S.W.1, England.
- FLEMING, PAUL L. (\$'57-M'58), Elec. Engr., IBM Watson Labs., 612 W. 115 St., New York, N.Y. FLEMING, ROBERT E. (M'59), Systems Engr., Burroughs Corp., Radnor, Pa.
- Corp., Radnor, Pa.
 FLEMING, ROBERT F., JR. (S'50-A'53-M'58), Engr.,
 Sperry Piedmont Co., Charlottesville, Va.
 FLEMING, ROBERT W. (S'55-M'58), Applications Engr.,
 Beckman Instruments & Systems Div., 325 N. Muller,
 Anaheim, Calif.
- FLEMING, ROGER W. (A'54), Sr. Electronics Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Snyder 21, N.Y.
- FLEMING, WALTER G. (S'57-M'59), Assoc. Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

- 25, Ohio.

 FLEMING-WILLIAMS, BRIAN C. (SM'55), Genl. Mgr., Sylvania-Thorn Colour Television Labs., Gt. Cambridge Rd., Enfield, Middlesex, England.

 FLEMMING, FRANK L. (S'47-A'50-M'53), Project Engr., CBS, 485 Madison Ave., New York 22, N.Y.

 FLEMONS, RALPH S. (S'48-A'50-M'55-SM'55), Dev. Engr., Civilian Atomic Power Dept., Canadian GE Co., Ltd., 107 Park St., N., Peterborough, Ont., Canada.

 FLESHER, GAIL T. (S'49-A'52-M'54), Asst. Prof., Illinois Institute of Technology, Technology Center, Chicago 16, Ill.

 FLETCHER, BOBBY J. (S'56-M'59), Engr., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

- Proof., Inc., Box 205, Mountain View, Calif.
 FLETCHER, CHARLES H. (M'55), Design Specialist,
 Convair, Box 748, Ft. Worth, Tex.
 FLETCHER, EARLE S. (A'26-M'27-SM'43), 25732 Center
 Ridge Rd., Westlake, Ohio.
 FLETCHER, EDWARD E. (M'54), Research Assoc., Electronics, Lovelace Foundation, 4800 Gibson Ave., S.E.,
 Albuquerque, N.M.
- ELETCHER, EDWARD J. (M'57), Dir., Receiving Tube Reliability, Admiral Corp., 3800 Cortland St., Chicago 47, III.
 FLETCHER, EDWARD R. (S'56-M'59), Elec. Engr.,
 Lovelace Foundation, 4800 Gibson Blvd., S.E.,
 Albuquerque, N.M.
- FLETCHER, FERYL L. (M'56), Research Engr., Rocket-dyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.
- FLETCHER, HAROLD R. (A'54), Lecturer, Elec. Engrg Dept., Essex College, 400 Huron Line, Windsor, Ont. Canada.
- Canada,
 FLETCHER, HILBERT E. (S'42-A'44-SM'52), Asst. Prof.,
 Elec. Engrg. (Industrial Instrumentation & Control),
 Colorado School of Mines, Golden, Colo.
 FLETCHER, IRVING L. (M'58), Jr. Engr., ITT Lab.,
 Nutley 10, N.J.
- RETCHER, JAMES C. (A'52-M'57), Pres., Space Electronics Corp., 1200 Airway, Glendale 1, Calif.
 FLETCHER, KEITH L. (S'48-A'41-M'56-SM'57), Group Head, Research & Dev., Collins Radio Co., Cedar Rapids, Iowa.

- FLETCHER, MARTINW. (M'54), Sr. Engr., AMPEX Corp., Charter St., Redwood City, Calif. FLETCHER, ROBERT (S'47-A'48-M'58), Electronics Engr., FAA, T-4 Bldg., Washington 25, D.C. FLETCHER, ROBERT C. (SM'57), Bell Tel. Labs., Murray Hill, N.J.
- Hill, N.J.
 FLETCHER, ROBERT C. (S'57-M'59), Electronics Engr.,
 Radiation, Inc., Box 37, Melbourne, Fla.
 FLETCHER, ROBERT C. (S'49-A'51), Electronics Engr.,
 Motorola Research Lab., Riverside, Calif.
 FLETCHER, ROBERT P. (A'57), Project Engr., IBM,
 Poughkeepsie, N.Y.
 FLETCHER, TAVIA D. C. (MA'53), Dir. Research & Day
- POUGRICEPSIE, N.Y.
 FLETCHER, TAYLOR C. (M'53), Dir., Research & Dev.,
 Beckman Systems Div., 325 N. Muller, Anaheim, Calif.
 FLICK, RICHARD A. (S'56-M'58), Engr., Polarad Electronics Com., 43-20 34 St., Long Island City J., N.Y.
- tronics Com., 43-20 34 St., Long Island City 1, N.Y.
 FLICKINGER, PAUL R. (S'58-A'59), Dev. Engr., McDonnell
 Aircraft Co., St. Louis, Mo.
 FLICKINGER, WAYNE J. (A'56-M'59), Chief Technician,
 Electronics Research & Dev., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.
- FLIDERBLUM, DANIEL D. (A'54), 49 Cliff Ave., Yonkers,
- FLIEGLER, EMANUEL (S'57-A'58), Jr. Engr., Frequency Standards, Inc., Div., Harvard Investors, Box 504, Asbury Park, N.J.

- Park, N.J.

 FLIEGNER, ALBERT F. (A'54), Supvy. Electronics Engr., Inspector of Naval Material, San Francisco, Calif.

 FLIGEL, FRANK J. (A'46), Service Technician, Zenith Radio Distributing Co., 912 W. Washington Blvd., Chicago, III.

 FLIGEL, WILLIAM P. (A'49-M'56), Mgr., Tech. Operations, CBS, WBBM, 630 N. McClurg Ct., Chicago 11, III.

 FLIGNER, OSCAR M. (S'49-A'51-M'56), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 FLING, JOHN J. (A'57-M'58), Project Engr., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

 FLINK, THOMAS O. (M'59), Sr. Electronics Engr., Martin Co., Baltimore 3, Md.

 FLINT, DONALD C. (S'55-M'56), Electronics, Boeing
- FLINT, DONALD C. (S'55-M'56), Electronics, Boeing Airolane Co., Box 3707, Seattle 24, Wash. FLINT, J. COLLINS (A'54), Mem. Tech. Staff, Nuclear Electronics, Hughes Research & Development Lab., Culver City, Calif.
- Culver City, Calif.

 FLINT, LARRY B. (S'57-M'59), Process Engr., Motorola, Inc., 5005 E. McDonnell, Phoenix, Ariz.

 FLINT, ROBERT B. (S'50-A'53-M'58), Electronics Engr., FAA, Bureau of Rescarch & Development, Washington, D.C.

 FLINT, ROBERT J. (S'56-M'59), Elec. Design Engr., RCA, Camden 2, N.J.

 FLINT, ROGER L. (S'56-M'57), Field Service Engr., Collins Radio Co., Cedar Rapids, Jowa.
- Collins Radio Co., Cedar Rapids, Jowa.
 FLINT-HALPERN, MANUEL (A'56), Tech. Advisor at the
 Direccion Nacional de Industrias, del Estado, St., Uruguay,
 *291; Engr.-in-Chq., Maint. of Electronic Equipment,
 Comision Nacional de la Energia Atomica, St., Avda. Libertador, San Martin 8250, Buenos Aires, Argentina.
 FLIPPIN, J. BRADLEY (S'56-M'59), Ship Supt.-in-Chq.,
 Clectronics, Long Beach Naval Shipyard, Long Beach 2,
 Calif.
- FLISS, ANDREW D. (S'52-A'53-M'58), Sr. Engr., Field Operations, Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif.
- FLOAM, JEROME S. (A'58), Partner, U. S. Tag & Ticket Co., 2217 Robb St., Baltimore 18, Md. FLOCK, DAVID C. (S'56-M'58), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif.
- FLOCK, WARREN L. (S'42-A'44-M'54), Assoc. Engr., Dept. of Engrg., Univ. of California, Los Angeles 24, Calif.
- Calling Co., 1260 Clybourn Ave., Chicago 10, Ill. FLODMAN, LESTER J. (SM'53), Mgr., Engro, Projects, Surface Communication Debt., RCA, Camden, N.J. FLODEAR, THOMAS O. (S'57-M'59), Elec. Engr., Hughes Aircraft Co., El Segundo, Calif.
- FLOEGEL, MERLE E. (A'43), Electronics Engr., FCC, Washington 25, D.C.
- Washington 25, D.C. FLOERING, KENNY S. (A'59), 865 AC&WRON, Las Vegas AFB, Nev. FLOM, MORTON G. (S'48-A'50-M'55), Pres., Dupont Television Corp., 1085 St. Alexandre St., Montreal, P.Q., Canada.
- FLOMENBAUM, HYMAN S. (A'58), 1271 49 St., Brooklyn 19, N.Y. FLOMENHOFT, MARK (A'53-M'58), Electronics Engr., RCA, Camden, N.J.

- ROD, Camoen, N.J.
 FLOOD, FRANCIS M. (A'56), Sales Rep., Canadian GE
 Co., 830 Lansdowne, Toronto, Ont., Canada
 FLOOD, FRANCIS T. (A'54), Sr. Engr., Astro Electronic Prod. Div., RCA, Princeton, N.J.
 FLOOD, FREDERICK F. (S'56-A'57), Project Mechanic, AC
 Sprak Plug Div., GMC, 1925 E. Kenilworth, Milwaukee,
 Wis.
- Wis.
 FLOOD, JAMES J., JR. (S'56-M'59), Engr., Philco
 Com., C & Tioga Sts., Philadelphia, Pa.
 FLOOD, JOSEPH L. (A'54), Prod. Planner-Military, GE
 Co., 1224 W. Genesee St., Syracuse, N.Y.
 FLOOD, WALTER A., JR. (S'49-A'54), Principal Engr.,
 Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21,
 N.Y.
- N.Y.
 FLOQUET, JOEL (A'55), Research Engr., Societe
 d'Electronique et d'Automatisme, Bld de Verdun, Courbevoie, (Seine), France.
 FLORA, JAMES (A'57), Assoc. Engr., IBM, Montery &
 Cottle Rds., San Jose, Calif.
- COTTIE ROS., San Jose, Calif.
 FLORAC, WILLIAM A. (S'56-M'58), Assoc. Engr., IBM, Poughkeepsie, N.Y.
 FLORANT, LESTER E. (S'52-A'53-M'58), Supvr., Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif.
- Carr.
 FLORENCE, VALORIS H. (M'47), Group Engr., Philco Corp.,
 4700 Wissahickon Ave., Philadelphia 44, Pa.
 FLORES, IVAN (A'51-M'54-SM'58), Project Supvr.,
 Remington Rand Univac, South Norwalk, Conn.
 FLORES, RICHARD A. (S'55-M'56), Weather Forecaster,
 USAF, Andrews AFB, Washington 25, D.C.

- FLORESCU, SABIN G. (A'59), 5459 Madison Way, Hyatts-ville, Md.
- FLOREZ, HERMANN (A'30-M'41-SM'43), Radio Engrg., U.S. Information Agency, Internati. Broadcasting Div., Box 282, Walanae, Oahu, Hawaii. FLOREZ, JOSE P. (M'58), Transmission Engr., Empresa Nacional de Telecommunicaciones, Carrera 13A, No. 22-54. Bogota, Colombia, South America.
- 54. Bogota, Colombia, South America.

 FLORIANI, VIRGILIO (M'55), Pres., "TELETTRA" Laboratori di Telefonia Eletronica & Radio, 47, Via C. Poma, Milan, Italy.

 FLORIDIA, MARIO S. (S'54-M'57), Elec. Engr., Raytheon Mfg., Co., Bedford, Mass.

 FLORINO, JOSEPH A. (S'54-M'57), Installation & Service Engr., GE Co., Oliver Bidg., Pittsburgh 22, Pa.

 FLORMAN, EDWIN F. (A'41-M'55), Electronics Scientist, Natl, Bureau of Standards, Boulder, Colo.

 FLDROS, THEODORE G. (M'57), Project Engr., I8M, Poughkeepsie, N. Y.

 FLORY, LESLIE E. (A'35-SM'46-F'57), Research Engr., RCA, Princeton, N. J.

 FLORY, ROBERT E. (S'51-A'54-M'58), Research Engr..

- RCA, Princeton, N.J.
 FLORY, ROBERT E. (S'51-A'54-M'58), Research Engr., RCA Labs., Princeton, N.J.
 FLOTTMAN, ERNEST R. (S'54-M'55), Field Engr., Westem Electric Co., Winston-Salem, N.C.
 FLOWER, DONALD W. (S'53-A'54-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 FLOWER, GUILES, JR. (A'56), Chief Chem, Engr., Dictaphone Corp., 375 Howard Ave., Bridgeport 5, Conn.
 FLOWER, ROBERT A. (A'48-M'55), Sect. Head, Genl. Precision Labs., Inc., Pleasantville, N.Y.
 FLOWER, WILLIAM (K-50-M'56), Sr. Electronics Engr.,
- FLOWER, WILLIAM (A'50-M'56), Sr. Electronics Engr., Inland Testing Labs., 6401 W. Oakton St., Morton Grove,
- FLDWERDAY, THOMAS W. (M'58), Sr. Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

- Calif.

 FLOWERS, BILLY R. (S'55-M'58), Electronics Design Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9. Tex.

 FLOWERS, DELBERT E. (M'57), Field Dev. Engr., Western Electric Co., 2426 India St., San Diego, Calif.

 FLOWERS, HAROLD L. (A'43-SM'5D), Dir., Weapon Systems, Goodyear Aircraft Corn., Akron 15, Dhio.

 FLOWERS, ROBERT B., JR. (S'51-A'53-M'58), Area Supvr., Engrg. Programs, GE Co., 2901 E. Lake Rd., Erie, Pa. Erie, Pa
- FLOWERS, WALLACE P. (5'51-A'53-M'59), Sr. III-strumentation Engr., Lockheed Missile Systems Div., Sunnyvale, Calif.

- Strumentation Engr., Lockneed Missite Systems Div., Sunnyvale, Calif.
 FLOYD, CLAUDE W., JR. (M'56), Sr. Electronics Engr., The Western Co., 80x 310, Midland, Tex.
 FLOYD, EARL C. (SM'56), Project Engr., Admiral Corp., 3800 W. Cortland, Chicago, Ill.
 FLOYD, FRANCIS J. (M'54), Project Engr., Canadair Ltd., St. Laurent, P.Q., Canada.
 FLDYD, G. WOODROW (A'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 FLOYD, GORDON M. (M'59), Prod. Planning Engr., Instrumentation Div., Ampex Corp., 934 Charter St., Redwood City, Calif.
 FLDYD, ROBERT A., JR. (S'48-A'50-M'55), Secy.-Treas. The Waters Corp., Box 288, Rochester, Minn.
 FLOYD, WILLIAM B., JR. (A'43), Owner-Cenl. Mgr., Palo Alto Radio & Television Service, 440 Kipling St., Palo Alto, Calif. & 1015 Silver Ave., San Francisco, Calif. FLOYD, WILLIAM B., JR. (A'45), Engr., Huggins Labs.,
- Alto, Calif. & 1015 Silver Ave., San Francisco, Calif. FLOYD, WILLIAM S., JR. (A'59), Engr., Huggins Labs., Sunnyvale, Calif. FLUCARD, WILLIAM 8. (A'56), Electronics Technician, Boeing Airplane Co., Wichita, Kan. FLUENT, WAYNE J., JR. (S'57-M'5B), 810 5 Ave., S.E., Cedar Rapids, Iowa.

- S.E., Cedar Rapids, Iowa.

 FLUGGE-LoT2, IRMGARD (M'57), Lecturer, Stanford Univ., Stanford, Calif.

 FLUHR, FREDERICK R. (S'48-A'51-M'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 FLUHRER, ARTHUR C. (A'55), Elec. Sta. Design Engr., Dept. of Water & Power, 207 S. Broadway, Los Angeles, Calif.
- Calif.

 FLUKE, J. M. (M'46), Pres., John Fluke Mfg. Co., Inc.,
 1111 W. Nickerson St., Seattle 99, Wash.

 FLUM, ED (A'51-M'56), V.P., Rodney Associates, Inc.,
 855 6 Ave., New York 1, N.Y.

 FLUMERFELT, LEONARD R. (M'57), Circuit design Engr.,
 Raytheon Canada, Ltd., 61 Laurel, E., Waterloo, Ont.,
 Canada.
- PLUMERFELT, RICHARD L. (A'59), Elec. Engr., The Dahlberg Co., 7731 6 Ave., N., Minneapolis 27, Minn. FLURY, HUBERT E. (A'56), Sales Mgr., Davis Equipment Co., 4907 E. 11, Tulsa, Okla.
- FLUSKEY, CHARLES J. (A'54-M'59), Tech. Adviser, Commercial Trades Institute, 1400 Greenleaf, W., Chicago 26, III.
- FLYER, IRVING N. (S'43-A'45-SM'54), Project Mgr., Diamond Ordnance Fuze Labs., Washington, D.C. FLYNN, CHARLES W. (M'56), Sr. Engr., ITT Labs., Nutley 10, N.J.
- FLYNN, FRANCIS J. (A'43-M'46-SM'53), Special Research Engr., Lockheed Missile Systems Div., Box 504, Sunnyvale, Calif.
- FLYNN, FRANK A. (S'55-M'58), Chief, UHF/VHF Sect., 2712th Maint. Group (AMC), USAF, APO 323 San Francisco, Calif.
- Francisco, Calif.

 FLYNN, JAMES G., JR. (A'38-M'55-SM'56), V.P., Sales & Dir., Collins Radio Co. of Canada, Ltd., & Collins Radio Internat., C.A., 1930 HiLine Dr., Dallas 7, Tex.

 FLYNN, JOHN E. (A'53), Sr. Systems Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 FLYNN, KENNETH D. (S'56-M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 FLYNN, LOUIS A. (A'50), Electronics Engr., USN 8ase, S.C.

 FLYNN, MEDVIN W. (A'53, M'54).

- FLYNN, MERVIN W. (A'51-M'54), Supvr., Material Approvals, Philos Corp. of Canada, Ltd., Don Mills Rd., Toronto, Ont., Canada.
- FLYNN, MICHAEL J. (M'56), Staff Engr., I8M, Research Center, Poughkeepsie, N.Y. FLYNN, THOMAS F. (S'48-A'52-M'56), Group Leader, The Perkin-Elmer Corp., Main Ave., Norwalk, Corn.

- FLYNN, WILLIAM J. (S'51-A'52-M'55), Staff Engr., Genf. Precision Lab., Inc., Pleasantiville, N.Y., FLYNN, WILLIAM J. (S'44-A'47-M'55), Asst. Div. Head, Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y. FLYNT, EDWARD R. (A'49-M'55-SM'55), Research Engr., Engrg. Experiment Sta., Georgia Tech., Atlanta, Ga. FLYNT, FRANK V. (A'50), Mem. Tech. Staff. Hughes Aircraft Corp., Culver City, Calif. FLYR, JOSEPH G. (A'42), Data Coordinator, Space Technology Labs., 5420 Arbor Vitae, Los Angeles, Calif. FOCHT, LOUIS R. (S'55-A'56-M'56), Sr. Engr., Philoc Corp., C. & Tioga Sts., Philadelphila 34, Pa. FOCK, HANS W. (A'56), Research Engr., Heinrich-Hertz-Institut, Jebensstrasse 1, Berlin, Germany. FOCKE, ALFRED B. (SM'47), Tech. Dir., Paclfic Missile Range, Point Mugu, Calif. FOCKENS, PIETER (A'55-M'58), Research Engr., Zenith Radio Corp., 6001 W. Dickens, Chicago 39, Ill. FOCKLER, WILLIAM G. (A'46-SM'53), Engr., Mgr., Tech. Prods., Allen B. DuMont Labs., Inc., 760 Bloomfield Ave. Clifton, N. J.

- FODERARO, JOSEPH V. (A'59), Designer, Electronic Associates, Inc., Long Branch Ave., Long Branch, N. J. FDDOR, FERENZ H. (4'38-VA'39), Dir., Research, Technical Research Prods., 7463 Melrose Ave., Los Angeles 46, Calif.
- FODDR, NICHOLAS J. (A'56), Pres., Electrovert Inc., 124 E. 4D St., New York, N. Y.; Electrovert, Ltd., 265 Craig St., W., Montreal 1, P. Q., Canada.

- Craig St., W., Montreal 1, P. Q., Canada.

 FOECKE, HAROLD A. (A'56), Asst. Prof. of Elec. Engrg., Univ. of Notre Dame, Notre Dame, Ind.

 FOECKING, DONALD A. (S'55-M'56), Group Leader, Motorola, Inc., 45D1 W. Augusta Blyd., Chicago 51, III.

 FOERSTER, ARTHUR C. (S'48-A'50), Electronics Specialist, U.S. Dept. of Commerce, FAA, Fargo, N. D.

 FOERSTER, ROY P. (S'53-A'53-M'58), Group Engr., Martin Co., Baltimore 3, Md.

 FOERSTER, WILLIAM (S'50-A'51-M'56), Project Engr., Philococn., 4700 Wissahickon Ave., Philadelphia, Pa.

 FOESTE, WILFRED E. (SM'52), Genl. Mgr., Telex, Inc., 1633 Custis, St. Paul, Minn.

 FOGARD, DANIEL C. (S'51-A'53-M'59), Dev. Engr., Sperry Gyroscope Co., 294 Commercial St., Sunniyvale, Calif.

 FOGARTY, JOHN D. (M'57), Project Engr., Remington
- Calif.

 FOGARTY, JOHN D. (M'57), Project Engr., Remington Rand Univac, 19 & Allegheny Ave., Philadelphia 29, Pa. FOEEL, LAWRENCE J. (S'47-A'49-M'53-SM'56), Head, Refliobility Group. Conwair, San Diego 12, Calif. FOEEL, ROBERT L. (SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. FOEELBERG, ARVID E. (M'55-SM'57), Mgr., Electronics Dev. & Design, Missie & Surface Radar Dept., RCA, Moorestown, N. J. Stafe, Sales Engr., Island Prods.

- Moorestown, N. J.

 FOGELBERG, JOHN E. (A'56), Sales Engr., Island Prods. Co., Box 115, Baldwin, L. I., N. Y.

 FOGELMAN, AURTHUR H. (M'56), A. H. Fogelman Associates, 418 Mills Bldg., Washington 6, D. C.

 FOGG, GEORGE E., JR. (A'49-M'55), Field Engr., Sylvania Elec. Prods., Inc., Seneca Falls, N. Y.

 FOGLE, JAMES A. (S'53-M'55), Engr., Collins Radio Co., 27DD W. Olive St., Burbank, Calif.

 FOGLE, ROBERT E. L., JR. (S'50-A'53-M'58), Mgr., Installation Engrg., RCA Service Co. (Missile Test Project), Patrick AFB, Fla.
- ToGLE, VALMORE (5'56-M'57), Instrumentation Engr., Thiokol Chemical Co., Redstone Arsenal, Huntsville, Ala. FOGLEBOCH, JOHN R. (S'56-M'58), 131 Wayne Ave., Haddonfield, N. J
- Haddonfield, N. J.

 FOGLES DNG, ROBERT L. (M'58), Research Engr., Lockheed Missile & Space Div., 80x 504, Sunnyvale, Calif.

 FOGLIA, HENRY R. (S'56-M'56), Electronics Engr., Research, 18M, Ossining, N. Y.

 FOIN, OWEN F., JR. (M'45), Assoc. Prof., Physics & Electronics, Fresno State College, Fresno 5, Calif.

 FOIN, WARREN C. (S'53-A'54), Project Engr., 18M, Poughkeepsie, N. Y.

- FOLSY, VERNER E. (S'58-M'59), Elec. Engr., Boeing Airplane Co., Seattle, Wash. FOLAND, ALVIN J. (S'56-M'59), Design Engr., GE Co.,
- Syracuse, N. Y.

 FOLDES, PETER (M'58), Project Engr., RCA Victor Co.
 1001 Lenoir, Montreal, P. Q., Canada.
- 1001 Lenoir, Montreal, P. Q., Canada.

 FOLEY, ANDREW A. (A'51), Mfrs'. Rep., Andrew A. Foley Associates, Box 155, Monoestown, N. J.

 FOLEY, GERARD M. (A'42-5M'53), Chief Physical Research Group, Leeds & Nonthrup Co., North Wales, Pa.

 FOLEY, JAMES M. (M'55), Chief Engr., WSVA, Shenandoah Valley Broadcasting Comp., Rawley Pike, Harrisonburg, Va.
- FOLEY, JERROLD S. (S'49-A'51-M'55), Sr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

- Ohio.

 FOLEY, JOHN H. (A'54), Mgr., Test Equipment Design, IBM, Kingston, N. Y.

 FOLEY, JOHN J. (S'50-A'54), Engr., New York Telephone Co., 140 West St., New York 7, N. Y.

 FOLEY, JOHN J. (M'58), Elect. Engr., Technitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.

 FOLEY, JOSEPH H. (M'57), Sr., Publications Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 FOLEY, NELSON D. (SM'59), Asst. Chief Engr., AR & T Electronics, 80x 627, Little Rock, Ark.

 FOLEY, ROBERT R. (S'50-A'51-M'58), Electronics Engr., Bell & Howell Co., 7100 McCormick Rd., Chicago 45, Ill.

 FOLEY, RODNEY M. (A'55-M'50) Stale Committed Rd., Chicago 45, Ill.
- FOLEY, RODNEY M. (A'55-M'58), Field Engr., RMC Associates, 391 Grand Ave., Englewood, N. J. FOLEY, THOMAS J. (A'33-M'58), Electronic Scientist, Naval Air Development Center, Aero Computer Lab., Johnsville, Pa.
- FOLEY, THOMAS P. (A'54), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. scope Co., Great Neck, L.I., N.Y.
 FOLEY, THOMAS U. (A'48-M'55), Engr., RCA, Camden, N.J.
- N.J.
 FOLEY, WILLIAM R. (SM'56), Area Frequency Coordinator,
 Electronic Environmental Test Dept., U.S. Army Electronic
 Proving Ground, Ft. Huachuca, Ariz.
 FOLEY, WILLIAM V. (A'49-SM'54), Electronics Design
 Engr., Martin Co., 8ox 179, Denver 1, Colo.

- FOLK, VAN O. (S'56-A'57), Electronics Instrument Technician, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- FOLKESTAD, GERHARD T. (S'56-M'58), 1st Lt., U.S. Army, Guided Missile Maint. Officer, Post Ordnance,Ft. Devens, Mass.
- FOLKS, RICHARD C. (A'56), Design Engr., ITT Labs., 3200 Wayne Trace, Ft. Wayne, Ind.
 FOLLAND, DONALD F. (M'44-5M'52), Sr. Electronics Group Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.

- Group Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.

 FOLLEN, ROBERT J. (S'57-M'58), Jr. Engr., Bendix Aviation Corp., South Bend, Ind.

 FOLLENSBEE, WESLEY M. (S'50-A'51-M'58), Dev. Engr., Cellins Radio Co., Cedar Rapids, Iowa.

 FOLLENSBEE, WILLIAM R. (A'50), Supvr., Hurs. Sales, Govt. & Industrial Div., Philoc Corp., 47D0 Wissahickon Ave., Philadelphia 3, Pa.

 FOLLINGSTAD, HENRY G. (S'46-A'49-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 FOLLMER, G. CRAWFORD (A'55), V. P. Mor., Scientific Radio Prods., Inc., 215 S. 115 st., Omaha, Neb.

 FOLLMER, WILLIAM C. (S'56-M'57), Sr. Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

 FOLSOM, DONALD E. (M'45), Folsom TV-Radio Co., 16 N. W. 4 St., Faribault, Minn.

 FOLSOM, JERRY B. (S'57-M'57), Sr. Project Engr., Sperry Utah Engr., Lab., 322 N. 21, W., Salt Lake City, Utah.

- FOLSOM, ROBERT M. (M'58), Assoc. Physicist, IBM, Poughkeepsie, N.Y.

- Poughkeepsle, N.Y.

 FOMIN, MARTIN (A'59), Electronics Technician, RCA
 Tube Div., Harrison, N.J.

 FONDA, KENNET HA. (S'50-A'50-M'56), Engr., Boeing
 Airplane Co., Box 3707, Seattle 14, Wash.

 FONDA, ROBERT D. (M'57), Instrumentation Engr., Ampex
 Corp., 934 Charter St., Redwood City, Calif.

 FONDA-BONARDI, GIUSTO (A'47-M'48-SM'50), Research
 Engr., Litton Industries, 336 N. Foothill Rd., Beverly
 Hills, Calif.

 FONDAE INMES (A'55-M'50)
- FONDRK, JOHN S. (A'53-M'58), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rocksatt 7, N. Y.
 FONG, ARTHUR (S'42-A'45-M'46-SM'50), Project Group Leader, Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

- Alto, Calif.

 FONG, IRVING J. (M'58), Engrg. Editor, Remington Rand Univac, St. Paul 16, Minn.

 FONG, KOUAN (S'47-A'51-M'57), Engr., Electronics Lab., GE Co., Syracuse, N.Y.

 FONG, LOUIS B. C. (SM'49), Gulded Missiles Program Dir., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 FONG, SAMUEL G. (4'47-M'52-SM'56), Project Engr., ITT Labs., 3702 E. Pontiac St., Ft. Wayne, Ind.

 FONG, THEODORE T. (S'56-M'57), Engr., RCA, Camden, N.J.

- N.J.

 FONG, THEODORE T. (S'57-A'5B), Engr. ASSL., Canadair, Ltd., Box 6087, Montreal, P. Q., Canada.

 FONG, WELIEN L. (A'58), Electronics Engr., U.S. Naval Ammunition Depot, Concord, Callf.

 FONG, WILLIAM W. (M'57), TV Engr., KRON-TV, 922

 Mission St., San Francisco, Callf.

 FONDROFF, BERNARD (M'59), Sr. Engr., CBS-Hytron, Lowell, Mass.

 FONSECA, ARTHUR P. (S'50-A'51-M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 FONSECA, NUMA JOSE (M'53), Engr., Ministerio Communicaciones Div. Ingenieria, Apartado 2D37, Caracas, Venezuela.
- FONTAINE, A. BURR (S'52-A'55), Staff Engr., IBM, Poughkeepsie, N.Y. FONTAINE, ATHANAS P. (SM'56), V.P. for Engrg., Bendix Aviation Corp., 1104 Fisher Bidg., Detroit 2, Mich.
- TONTANA, JORGE (5'92-A'53-M'58), Research, Stanford Univ., Microwave Lab., Stanford, Calif. FONTANA, JOSEPH A. (S'45-A'49-M'56), West Coast Mgr., Consolidated Controls Com., 750 S. Isis Ave., Inglewood 1, Calif.
- FONTANA, WILLIAM J. (SM'58), Supvg. Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- FontE, COLLIE (A'49-M'55), Pres., Clough-Brengle Co., 6014 Broadway, Chicago 40, III. FONTENOT, JESSE A. (\$56-M'57), Prod. Service Engr., GE Co., Phoenix, Ariz.
- FONTENOTE, WILLIAM J. (S'55-M'58), Assoc. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dalias 9, Tex.
- Tex.

 FOODIM, CHARLES (M'50-SM'52), Project Mgr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif.

 FOOKS, JOHN H. (SM'59), Dir., Engor., Consumer Prods.,
 Westinghouse Elec. Corp., 3 Gateway Center, Pittsburgh

- Westinghouse Elec. Com., 3 Gateway Center, Pittsburgh 30, Pa.

 FOOS, RONALD (S'57-A'58), Reliability Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex. FOOT, NORMAN J. (S'50-A'51-M'56), Elec. Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago, Ill.

 FOOTE, SAMUEL H. (A'45-M'55), Asst., Project Engr., Radioplane Co., van Nuys, Calli.

 FORAKER, CLARENCE M. (M'57), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 FORBATH, FRANK P. (S'47-A'49-M'55-SM'57), Chief Electronics Engr., Instrument Div., American Optical Co., Box A, Buffalo 15, N.V.

 FORBES, ALLAN C. (A'15-M'23-SM'43XL), Consultant, 4107 Brookdate Ave., Oakland 19, Calif.

 FORBES, DONALD F. (M'57), Jr. Dev. Engr., Goodyear Aircraft Com., 1210 Massillon Rd., Akron, Ohio.

 FORBES, EDMAND J. (A'51-M'56), Design Engr., Microwave Relay Equipment, RCA, Camden, N.J.

 FORBES, SORMAND J. (A'54), Mingt. Staff, Eastman Kodak Co., 343 State St., Rochester 4, N.Y.

 FORBES, JACK M. (S'56-M'58), RCAF Sta., Parent, P.Q., Canado.

 FORBES, NORMAN A. (S'54-M'56), Design Engr., Westinghouse Elec. Corp., Youngwood, Pa.

 FORBES, RICHARD E. (S'53-M'57), Assoc. Engr., Prod. Dev. Lab., 18M, Endicott, N.Y.

 FORCE, DONALD C. (S'57-M'58), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

- FORCE, EARL (M'57), Elec. Engr., Tammen & Denison, Inc., 4731 N. Olcott St., Chicago 31, III.
 FORCIER, FLORIAN O. (A'59), Electronics Technician, Raytheon Mg. Co., Wayland, Mass.
 FORCIER, RAYMOND A. (M'55-SM'56), Supvy. Electronics Engr., U.S. Civil Service, Dept. of the Army, 1107 E. Lester St., Tucson, Ariz.
 FORD, BENJAMIN H., JR. (M'5B), Capt., USAF, Electronics Officer, 395Bth Oper. Eval. & Training Sqdn., (6-58), Carswell AFB, Tex.
 FORD, DAVID W. (S'49-A'50-M'56), Elec. Engr., Calling

- Carswell AFB, Tex.

 FORD, DAVID W. (S'49-A'50-M'56), Elec. Engr., Collins Radio, Cedar Rapids, Iowa.

 FORD, DENNIS J. (S'49-A'54-M'59), Prof., Elec. Engrg., Univ. of Pittsburgh, Pittsburgh 13, Pa.

 FORD, FRANK A. (M'56-SM'57), Mgr. Designing & Orafting, Canadian GE Co., Ltd., B30 Lansdowne Ave., Toronto 4, Ont., Canada.
- Office, variation of the Dev. Electron Tube Dev. Engr., Bell Tel. Labs., Murray Hill, N.J. FORO, GERALD M. (M'55), Resident Engr., Delco Radio Div., 726 Santa Monica Blvd., Santa Monica, Calif.
- Div., 726 Santa Monica Blvd., Santa Monica, Calif.
 FORD, HERBERT P., JR. (S'50-A'51-M'53), R. Engr.,
 Martin Co., Orlando, Fla.
 FORD, JAMES R. (S'48-A'50-M'55), Sr. Staff Engr., Cubic
 Corp., 5575 Kearny Villa Rd., San Diego 11, Calif.
 FORD, JERRY W. (S'56-M'56), Mem. Tech. Staff, Hughes
 Aircraft Co., Box 11.337, Tucson, Ariz.
 FORD, JOHN G. (M'57), Telecommunications Staff Officer,
 AF Hors., RCAF, Ottoway, Ont., Canada.
 FORD, JOHN P. (A'47-5M'54), Sr. Research Engr., Rocketdyne Div., No. Amer. Aviation, 6633 Canoga Ave.,
 Canoga Park, Calif.
 FORD, JOERN H. (M'55), Project Engr., CS. Co., March.

- FORD, LOREN H. (M'56), Project Engr., GE Co., Ithaca,
- FORD, M. JOHN (A'55), Research Engr., Elec. Engrg.
 Dept., Southwest Research Institute, 8500 Culebra Rd.,
 San Antonio, Tex.

- San Antonio, Tex.

 FORD, RICHARD M. (S'55-M'59), Engr., Systems Design, Sandia Corp., Sandia Base, Albuquerque, N. M.

 FORD, RICHARD W. (M'53), Supvr., Quality Assurance, Quality Control Dept., Westinghouse Elec. Corp., Rte. 27, Metuchen, N.J.

 FORD, ROBERT (M'59), Reliability Engr., GE Co., 3198 Chestnut St., Philadelphia, Pa.

 FORD, ROBERT E. (SM'59), Head, Electronics Engrg. Div., USN Under Water Sound Reference Lab., Box 8337, Orlando, Fla.

- Fla.

 FORD, ROY G. E. (A'55-M'57), Project Engr., Hoffman Labs., 3740 S. Hill St., Los Angeles 41, Calif.

 FORD, WARREN A. (A'19-M'37-SM'43XL), Design Engr., GE Co., Schenectady 5, N.Y.

 FORD, WESLEY W. (S'55-M'58), Engr., Federal Electric Corp., Paramus, N.J.

 FORD, WILLIAM R. (S'4B-A'49-M'50), V.P. & Engr., Mr., Eberline Instrument Corp., Box 279, Santa Fe, N. M.

 FORDE, DAVID (M'58), Dir., Education, Radio Electronic Television Schools of Canada, 261 Spadina Ave., Toronto 2, Ont., Canada.

- 2, Ont., Canada.

 FORDERHASE, ROBERT S. (M'57), Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 FORDHAM, CLARENCE E. (A'44-M'56), Systems Engr., Goodyear Aircraft Corp., Akron 15, Ohio.

 FOROHAM, ROBERT J. (M'58), Data Processing Sales Engr., IBM, 425 Park Ave., New York 22, N.Y.

 FORDON, WILFRED A. (S'49-A'50-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 FORDVC, SAMUEL W. (M'52), Mem. Tech. Staff, Space Technology Labs., 5500 El Segundo, Los Angeles, Calif.

 FOREHAND, RALPH R. (A'59), Electronics Technician, Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore, Md.

 FORELL, HANS K. (A'57), Design Fngr., Genl. Atomics.

- Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore, Md.

 FORELL, HANS K. (A'57), Design Engr., Genl. Atronics, 1
 Bala Ave., Bala-Cynwyd, Pa.

 FOREMAN, CHARLES W. (SM'57), 1206 Thomdale Or., Akron 20, Ohio.

 FOREMAN, JOHN J. (S'49-A'50-M'56), Dev. Engr., Honeywell Ordnance Div., 600 2nd St., N., Hopkins, Minn.

 FOREMAN, RICHARD E. (A'56), Electronics Engr., 2012 Cambridge Ave., Fresno, Calif.

 FOREMAN, RICHARD E. (A'56), Electronics Engr., 2012 Cambridge Ave., Fresno, Calif.

 FOREMAN, ROBERT J. (M'59), Acting Supvr., Magnetron Production Engr., Westinghouse Elec. Corp., Elmira, N. Y.

 FOREST, OREST J. (A'58), Westrex Co., Carribbean, Almendares 180, Film Center, Havana, Cuba.

 FORESTER, JESSE R. (S'51-A'54), Field Engr., Bendix Aviation Corp., Teterboro, N.J.

 FORGACS, ROBERT L. (S'50-A'51-M'5), Sr. Research Engr., Scientific Lab., Ford Motor Co., Dearborn, Mich.

 FORGE, THOMAS W. (M'54), Sr. Research Specialist, Lockheed Missiles & Space Div., Sunnyvale, Calif.

 FORGEY, JAMES A. (A'56), Chief Field Engr., Jerrold Electronics Corp., 1 N. 1st St., Yakima, Wash.

 FORGIG, JAMES W. (S'50-A'59), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 FORGUE, STANLEY V. (M'45-SM'52), Research Engr., RACA Labs., Princeton, N.J.

 FORKER, LEE W. (A'56), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- FORKER, LEE W. (476), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 FORKNER, EDMUND G. (M'56), Chlef, Engrg. Requirements, 6 Allied Tactical Air Force, Izmir, Turkey, Tuslog Detachment 15, APO 224, N.Y.
- FORMAN, ALBERT J. (A'50-M'56), Editor & Exec. V.P., Electronic Technician Magazine, 480 Lexington Ave., New York 17, N.Y.
- FORMAN, ALEXANDER H., JR. (A'44-M'55-SM'56), Dev. Engr., Ordnance Dent., GE Co., Pittsfield, Mass. FORMAN, HARRY L. (A'53), Project Engr., Goodyear Aircraft Corp., Akron 15, Ohio.
- FORMAN, HOUSTON R. (A'51), Chief, Airway Tech. Field Office, Toledo, Ohio, FAA, Toledo Express Airport, RFD 4, Swanton, Ohio
- 4, Swamon, Unio.

 FORMAN, IRVING (A:53-M'57), Sr. Electronics Engr., Bell Tel. Labs., Whippany, N.J.

 FURMAN, ISIDORE (A:04), Prop. Tip Top Radio & TV Sales & Service, 208 New Lots Ave., Brooklyn 7, N.Y.

- FORMAN, JAN (SM'56), Head, Special Projects, Dresser Dynamics, Div., Dresser Industries, Inc., 18157 Napa St., Northridge, Calif.
- FORMAN, JOHN A. (S'54-M'56), Test Engr., RCA,
- Harrison, N.J.
 FORMAN, JULES M. (M'45), Engrg. Leader Electronics
 Circuit Engr., RCA, New Holland Pike, Lancaster, Pa.
 FORMAN, N. JEROME (A'41-M'46), Mgr., Engrg., Barth
 Engrg. & Mfg. Co., Inc., 48 Elm St., Meriden, Conn.
 FORMAN, PHILIP (S'51-A'53-M'58), 49 Berriman St.,
- FORMICOLA, ANTHONY F. (A'56), Engr., Taylor Instrument Co., 95 Ames, Rochester, N.Y.

 FORNEY, FREDRICK E. (S'54-A'56), Service Engr., IBM,
- Kingston, N. Y.
 FORNEY, JAMES F. (A'54-M'58), Supvr. Surveillance
 Data Processing Engrg., GE Co., HMED, Syracuse, N.Y.
 FORRER, MAX P. (A'54-SM'57), Mem. Tech. Staff, Microwave Lab., GE Co., 601 California Ave., Palo Alto, Calif.
 FORREST, CAMERON B. (S'48-A'50-M'55), Project
 Engr., Litton Industries, 336 N. Foothill Rd., Beverly
 Hills, Calif.

- FORREST, HENRY S. (SM'57), V.P., Control Data Corp., 2600 Connecticut Ave., Washington 8, D.C. FORREST, JOHN C. (S'48-A'50-M'58), Asst. Dir., Research & Dev. Planning, Genl. Precision Lab., Pleasantville, N.Y.
- FORREST, JOHN G. (S'55-M'56), Pilot, B-47, USAF, McConnell AFB, Wichita, Kan. FORREST, LUKE A., JR. (A'56), 4-A Justice St., Chapel Hill, N.C.
- Hill, N.C.

 FORREST, RICHARD L. (S'54-M'5B), Jr. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 FORREST, WILLIAM S. (A'57), Assoc. Engr., Handy Associates, 260 California St., San Francisco, Calif.

 FORRESTER, A. THEODORE (SM'56), Nuclear Specialist, Atomics Internatl., Box 309, Canoga Park, Calif.

 FORRESTER, CLYDE A. (S'53-A'54), Design Engr., RCA, Moorestown, N.J.

- RCA, Moorestown, N. J.

 FORRESTER, JAY W. (SM'49-F'55), Prof., Industrial
 Mngt., MIT, Cambridge 39, Mass.

 FORRESTER, ROBERT E. (S'56-M'57), Design Engr.,
 Motorola, Inc., 8102 E. McDowell Rd., Phoenix, Ariz.

 FORRISTAL, JIM A. (A'52-M'58), Sales Engr., ForristalYoung Sales Co., Inc., 4053 Broadway, Kansas City 11,
 Mo.
- Mo.

 FORSBERG, ARTHUR W. (M'58-SM'58), V.P., Air-Marine Motors, Inc., 369 Bayview Ave., Amityville, L.I., N.Y.

 FORSBERG, CHARLES A. (S'56-M'58), Electronics Scientist, Air Force Cambridge Research Center, Bedford, Mass.
- FORSBERG, HAROLD A. (A'57), Assoc. Engr., IBM,
- Poughkeepsie, N.Y.

 FORSBERG, JOHN I. (A'55), Instrument Technician, GE
 Co., Richland, Wash.
- CO., KICHIAND, WASN, FORSBERG, KENNETH E. (S'51-A'52-M'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. FORSEN, GEORGE E. (S'55-M'58), Teaching Asst., MIT, Cambridge 39, Mass.
- Cambridge 27, Mass.
 FORSHAY, OAVID W. (S'55-A'56), Prod. Engr., Kearfott Co., Inc., 1378 Main Ave., Clifton, N.J.
 FORSMAN, ERIC H. (A'41-M'52), Dir., Communications, Continental Air Lines, Inc., Stapleton Airfield, Denver 7, Colo.
- **FORSMAN, MARION E. (A'46-M'55), Asst. Dir., Engrg. & Industrial Experiment Sta., College of Engrg., Univ. of Florida, Gainesville, Fla.
- FORST, PETER P., JR. (A'44-M'55), Tel. Engr., Public Service Co. of Northern Illinois, 1319 S. 1st Ave., May-
- FORSTALL, EDWARD L. (A'26-SM'53), Plant Extension Engr., Bell Tel. Co. of Pennsylvania, 1B35 Arch St., Philadelphia 3, Pa.
- FORSTER, ARTHUR G. (A'32-VA'39-M'55), Industrial Engr., San Francisco Naval Shipyard (USN), San Francisco 24, Calif.
- 24, Calif.

 FORSTER, ARTHUR G. (M'59), Electronics Engr., Dayton Air Force Depot, Dayton, Ohio.

 FORSTER, BRYAN D. (M'57), Apparatus Engr., Northern Electric Co., Ltd., 1261 Shearer St., Montreal, P.Q., Canada.

- Canada.

 FORSTER, DONALO C. (S'55-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 FORSTER, MICHAEL C. (M'57), Engr., GE Co., 735 State St., Santa Barbara, Calif.

 FORSTER, ROBERT L. (S'54-M'58), Circuits Design Engr., GE Co., 951 Commercial St., Palo Alto, Calif.

 FORSTER, WILLIAM H. (S'43-A'45-SM'50), Dir., Research, Solid State Electronics, Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

 FORSTER, PERCY C. (M'43-SM'43), Mrs. Systoms
- FORSYTH, PERCY G. (M'43-SM'43), Mgr., Systems Studies, Defense Electronic Prods., RCA, 75 Varick St., New York 13, N.Y.
- FORSYTH, WILLIAM A., JR. (S'49-A'50-M'56), Scientific Equipment Market Mgr., Minneapolis-Honeywell Regulator Co., Wayne & Windrim Aves., Philadelphia 44, Pa. FORSYTHE, EDSEL H. (A'49-M'55), Broadcast Engr., Storer Broadcasting Co., WJBK-TV, 7441 Second Blvd., Detroit 2, Mich.
- Store Bloadstring CC., VAMSR-TV, 744 Second Bivd., Detroit 2, Mich.

 FORT, DOUGLAS E. (S'49-A'52-M'5B), Elec. Engr., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.

 FORT, JACK E. (S'50-A'51-M'56), Elec. Engr., RCA, 11819 W. Olympic Bivd., Los Angeles 65, Calif.

 FORT, JACOB R. (A'55), Electronics Technician, Stanford Research Institute, Stanford, Calif.

 FORT, LAIRD R. (S'56-M'58), Westinghouse Electric Elevator Co., 715 Harrison St., San Francisco, Calif.

 FORT, WILLIAM G. S. (A'44-M'52), Sr. Design Engr., Union Carbide Nuclear Co., Dak Ridge, Tenn.

 FORTE, MICHAEL P. (A'53-M'59), Supvy. Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 FORTE, SILVIO R. (M'57), Electronics Engr., RCA, Moorestown, N.J.

 FORTE, STEPHEN S. (A'53-M'56), Research Engr., Mar-

- Moorestown, N.J.,
 FORTE, STEPHEN S. (A'53-M'56), Research Engr., Marcon's Wireless Telegraph Co., Ltd., Great Baddow, Chelmsford, Essex, England.
 FORTESCUE, GEORGE H. (S'50-A'53), Electronics Systems Integration Engr., Lockheed Aircraft Co., Burbank,
 Calif.

- FORTIER, OVIDE V. (S'42-A'45-M'57), Staff Mem., MIT, Cambridge 39, Mass. FORTIER, ROBERT E. (M'57), Supvr., Advanced Control Systems Dev., Flight Propulsion Lab., GE Co., Evendale, Ohio.
- TORTIN, GERARD J. E. (S'54-A'55), Chief Engr., CFCM-TV, CKMI-TV, 200 St. Jean Basco, Ste-Foy, Quebec, P.Q., Canada.

- TV, CKMI-TV, 200 St. Jean Basco, Ste-Foy, Quebec, P.Q., Canada.

 FORTIN, ROBERT C. (SM'55), Mgr., Receiving Tube Design, RCA Tube Div., Harrison, N. Receiving Tube Design, RCA Tube Div., Harrison, N. J.

 FORTINGTON, WILLIAM H. (M'47), Mgr., Coil Equipment Lab., GE Co., Schenectady S. N. Y.

 FORTINI, MARIO M. (S'53-M'56), Sr. Engr., Philoc Corp., Tioga & "C" Sts., Philadelphia 34, Pa.

 FORTMAN, KENNETH R. (SM'57), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 FORTMAN, NORBERT C. (M'58), Design Engr., Gates Radio Co., 123 Hampshire, Quincy, Ill.

 FORTMA, JOHN D. E. (M'58), Electronics Scientist, U. S.

 Naval Research Lab., Washington 25, D.C.

 FORTUNA, ANTHONY F. (A'58), Mgr., Electronic Test Engrg., Quality Control, Radioplane Co., B000 Woodley Ave., Van Nuys, Callif.

 FOSHER, WILLIAM A. P. (M'56), Project Engr., Curtiss-Wright Corp., Passaic Ave., Caldwell, N.J.

 FOSQUE, HUGH S. (S'56-M'59), Jr. Scientist, Instrumentation, Ordnance Research Lab., Charlottesville, Va.

 FOSS, DAVID W. (M'56), Dev. Engr., Bomac Labs., Inc., Salem Rd., Beverly, Mass.

 FOSS, FREDERIC A. (S'43-A'45-M'55), Sr. Engr., IBM, Owego, N.Y.

- Owego, N.Y.
 FOSS, HERBERT (A'56), Electronics Engr., Revere Camera
 Co., 320 E. 21 St., Chicago 16, III.
 FOSS, MARTIN L. (S'51-A'52-M'57), Co-Owner & Mgr.,
 Foss Mgr. Co., 225 Znd Ave., S., Twin Falls, Idaho.
 FOSS, RENE N. (S'47-A'50-M'55), Engr., Applied Physics
 Lab., Univ. of Washington, 1013 E. 40 St., Seattle 5,
 Wash.
- wash.

 FOSS, ROY C. (A'57), Electronics Engr., Admiral Corp.,
 901 California Ave., Palo Alto, Calif.

 FOSSEEN, IRVING J. (S'48-A'51-M'57), Sales Engr.,
 H. M. Richardson & Co., 9 E. 22 St., Minneapolis 4,
 Minn.
- FOSSLER, D. EARL (S'52-M'56), Asst. Electronics Engr., Milgo Electronic Corp., 7601 N.W. 37 Ave., Miami 47, Fla.

- Fla.

 FOSSLER, KENNETH L., (M'58), Engr., Wrye Co., Ltd., 2410 W., Alabama St., Houston 6, Tex.

 FOSSUM, DONALD E. (SM'53), Sect. Leader, Sandia Corp., Sandia Base, Albuquerque, N. M.

 FOSSUM, ROBERT R. (M'59), Advanced Research Engr., Electronic Detense Labs., Box 2U5, Mountain View, Calli.

 FOSSUM, THEODOR T. (A'55-M'57), Asst. to Industrial Mgr. 3, Overseas Electronics Oivs., Code 1125B, N.Y. Naval Shipyard, Brooklyn, N.Y.

 FOSTAR, MICHAEL (A'56-M'59), Contract Technician, USAF, AMC, Natl. Scientific Labs., Inc., 2010 Massachusetts Ave., N.W., Washington 6, D.C.

 FOSTER, BLAIR D. (S'55-M'57), Jr. Engr., IBM, Kingston, N.Y.

- FOSTER, CARROLL B. (M'58), Design Engr., Convair-Astronautics, 5001 Keamey Villa Rd., San Diego, 12 Calif.
- FOSTER, CHARLES P., JR. (A'50-SM'55), Traveling Wave Tube Engr., GE Microwave Lab., 601 California Ave., Palo Alto, Calif.
- Alto, Calif.

 FOSTER, CLARENCE E. (M'48), Oiv. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 FOSTER, CLYDE L. (A'37-M'45-SM'51), Pres., Central Tech. Institute, 164/3W-7M'45-SM'51), Pres., Central Tech. Institute, 164/3W-7M'45-Institute, 164/3W-7M'45-Institute, 164/3W-7M'45-Institute, 164/3W-7M'45-Institute, Video Tape, CBS-TV, 485 Madison Ave., New York 22, N.Y.

 FOSTER, DUDLEY E. (A'26-M'37-SM'43-F'50), V.P., Hazeltine Research Inc., of California, 3320 W. Burbank, Calif.
- FOSTER, ELLARO W. (M'54), Electronics Engr., CAA, Aeronautical Center, Will Rogers Field, Oklahoma City, Okla.
- Okla.

 FOSTER, FRANCES L. (A'58), Assoc. Engr., Martin Co.,
 Box 179, Denver 1. Colo.

 FOSTER, FRANCIS A. (A'57), Asst. Elec. Engr., Cleveland Twist Drill, 124 2E. 49, Cleveland 14. Ohio.

 FOSTER, FRANK N. (S'52-A'53-M'57), Field Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 FOSTER, GEORGE E. (A'42-M'50), 7917 S. Yale Ave.,
 Chicago 20, III.

- Chicago 20, III.

 FOSTER, GEORGE L. (A'35-M'46), Mech. Engr., Sparton
 of Canada, Elim St., London, Ont., Canada.

 FOSTER, GILBERT C. (A'52-M'57), Sect. Head, Stromberg-Carlson, 1400 N. Goodman St., Rochester 9, N.Y.
 FOSTER, H. BLISS (M'58), Project Engr., RCA, Camden,
 N.J.
- FOSTER, HAROLD (S'55-M'57), Tube Design Engr., RCA,
- Harrison, N.J.

 FOSTER, HAROLD E. (S'53-M'57), Sr. Research Engr.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.

 FOSTER, HORACE G. (SM'55), Mong. Editor, Morean Bros.
 (Publishers), Ltd., 28 Essex St., Strand, London W.C. 2,
 England.
- England.

 FOSTER, HORACE O. (S'46-A'48-M'55), Assoc. Prof., School of Mech. Engre., Georgia Institute of Technology, 225 North Ave., N.W., Atlanta, 63.

 FOSTER, JAMES H. (S'46-M'51-SM'56), Genl. Mgr., Electro-Mech. Div., Erie Resistor Corp., 644 W. 12
- St., Erie, Pa.

 FOSTER, JAMES H. (A'51-M'59), Research Engr., Boeing
 Airplane Co., 8ox 3707, Seattle 24, Wash.

 FOSTER, JERRY F. (S'49-A'50-M'55), Project Mgr.,
 Electrobat Div., Burroughs Corp., 460 Sierra Madre
 Villa, Pasadena, Calif.
- FOSTER, JOHN A. (S'53-M'56), Project Engr., RCA, Burlington, Mass.
 FOSTER, JOHN H. (S'54-M'58), Elec. Engrg. Bldg., Univ. of Washington, Seattle 5, Wash.
 FOSTER, JOHN H. (S'57-A'58), Distribution Engrg. Dept., Northern Electric Co., Ltd., 1600 Dorchester, Montreal, P.Q., Canada.
- FOSTER, JULIUS E. (A'46-M'58), Patent Atty., Kearfott Co., 1378 Main Ave.. Clifton. N. I

FOS-FRA - 175 -

- FOSTER, LE ROY E. (M'58), 25 Lavender Lane, Levittown,
- FOSTER, LEVIN W. (SM153), Supvr., Prod. Engrg., GE
- Co., Irmo, S.C. FOSTER, NICK H. (A'28-SM'52), Dept. Head, Radio & TV, Edison Tech. School, 1712 Harvard Ave., Seattle 22, Wash.

- 22, Wash.

 FOSTER, ORRINGTON C. (M'59), Engr., AT&T Co., 195
 Broadway, New York, N.Y.

 FOSTER, R. PAUL. (S'53-A'55), Industrial Sales Engr.,
 Sanborn Co., 175 Wyman St., Waltham, Mass.

 FOSTER, RAYMOND F. (SM'47), Specialist, Advanced
 Dev., GE Co., Syracuse, N.Y.

 FOSTER, RICHARD A. (S'57-M'57), Electronics Engr.,
 Interstate Electronics Corp., 707 E. Vermont, Anaheim,
 Calif.
- FOSTER, RICHARD M. (A'54), Field Test Engr., IBM,
- FOSTER, RONALD M. (SM'53-F'54), Prof., Mathematics, Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.
- FOSTER, THOMAS J. (SM'5B), Head, Engrg. Standards & Subcontract Sect., Guided Missile Labs., Hughes Aircraft Co., Culver City, Calif.
- FOSTER, WILLIAM H. (M'55), Sr. Electronics Engr., Librascope, Inc., BDB Western Ave., Glendale 1, Calif.
- FOSTER, WILLIAM P. (M'52), Sr. Assoc., Brigos Associates. Inc. 10 De Kalh St. Morristown. Pa FOTIADI, MICHOLAS T. (A'50), Asst. Mgr., Processing Plant, Newark, Renault, Inc., 730 3rd. Ave., New York, N.Y.
- N.T.
 FOUAD, MOHAMED E. (SM'51), Controller Genl. for Engrg.,
 Egyptian Broadcasting, 4 Sherifein St., Cairo, Egypt.
 FOUCH, JOHN W. (A'54), Radio Engr., Emerson Radio &
 Phonograph Corp., 1140 East-West Hwy., Silver Spring,
- Mot.
 FOULKROD, RAYMOND, JR. (M'5B), Sr. Engr., Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 26, Mich.
 FOULKS, EDWIN D. (A'4B-M'55), Physicist, No. Amer. Aviation, Columbus, Ohio.
 FOULON, FRED (A'39-M'4B-SM'55), Electronics Research Engr., Douglas Aicraft Co., B27 Lapham St., El Segundo, Calif.

- Calif.
 FOUNDAS, GEORGE J. (S'49-A'50-M'55), Project Engr.,
 Raytheon Mfg., Co., Andover, Mass.
 FOUNTAIN, JEROME G. (S'54-A'55), Reliability Engr.,
 Nortronics Div., Northrop Aircraft, Inc., Hawthome,
 Calif.
- FOUNTAIN, LEWIS S. (M'5B), Research Engr., Southwest Research Institute, B500 Culebra Rd., San Antonio, Tex. FOURLAS, NICHOLAS J. (A'56), Electronics Technician (LWOP), U.S. Naval Air Missile Test Center, Point Mugu, Calif.
- Calif.
 FOURNIER, GUY (A'5B), Teacher, Institute of Electronics,
 5932 St., Hubert, Montreal, P.Q., Canada.
 FOURNIER, LEO E. M'56), Supr., Field Service Armament
 & Control, GE Co., 600 Main St., Johnson City, N.Y.
 FOURNIER, ROGER V. (A'51-M'56-SM'59), Mgr., Silicon
 Rectifier Applications, RCA, Rte. 202, Somerville, N. J.
- FOUSE, GEORGE T. (SM'52), Electronics Engr., Hars., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- FOUTS, AVERY L. (A'36-VA'39-M'52), Genl. Service Mgr., TV Dept., Jenkins Music Co., 1217 Walnut, Kansas City 13, Mo.

- City 13, Mo.

 FOUTS, CHARLES G. (A'56), Field Sales Engr., Cannon Electric Co., 666 Dyer Rd., Santa Ana, Calif.

 FOW, BENJAMIN F. (A'52-M'56), Project Engr., Philoc Corp., C & Tioga Sts., Philadelphia, Pa.

 FOWLE, EVERT N. (M'5B), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 FOWLER, ALBERT K. (A'51-M'56), Sales Mgr., Technical Appliance Corp., 1 Taco St., Sherburne, N. Y.

 FOWLER, ALTON F. (A'58), Field Engr., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles, Calif.

 FOWLER, ANGUS (M'51), Chief Engr., Kriesder Australasia Pty., Ltd., 43 Alice St., Newton, Sydney, N.S.W., Australia.
- trail.

 FOWLER, BRUCE V. (S'48-A'49-M'55), Engr., Varian
 Associates, 611 Hansen Way, Palo Alto, Calif.

 FOWLER, CALVIN D. (S'53-M'55), Engr., Supvr., Convair-Astronautics, Cocoa Beach, Fla.

 FOWLER, CHARLES A. (A'46-M'55), Det. Head, Radar
 Systems, Airborne Instrument Lab., 160 Old Country Rd.,
 Mineola, L.I., N. Y.
- FOWLER, CONRAD J. (S'43-A'45-SM'53), V.P., American Electronic Labs., Inc., 121 N. 7 St., Philadelphia 6, Pa.
- FOWLER, EARL B., JR. (A'52-M'57), Lt. Cmdr., USN, Tech. Planning & Estimating Asst., San Francisco Naval Shipyard, San Francisco 24, Calif.
- Snipyarg, San Francisco 24, Calif.
 FOWLER, GLENN A. (A'4B-SM'4B), V.P., Research,
 Sandia Coro., Sandia Base, Albuqueroue, N. M.
 FOWLER, HARRY V. (S'56-M'5B), Engr., Sperry Microwave
 Electronic Co., Box 1B2B, Clearwater, Fla.
 FOWLER, JDE (S'55-M'57), Elec. Design Engr., Convair,
 Ft. Worth, Tex.

- Ft. Worth, Tex.

 FOWLER, JOSEPH A. B. (A'44-M'55), Principal, Ft.
 Jones School, Main St., Ft. Jones 1, Calif.

 FOWLER, JOSEPH D. (S'57-M'58), Engr., Bell Tel.
 Labs., Winston-Salem, N.C.

 FOWLER, LANDIE O. (S'54-M'56), Instrumentation Engr.,
 Vitro Labs., Eglin AFB, Fla.

 FOWLER, NEWTON B. (A'35-M'39-SM'43), Circuit Layout
 Engr., AT&T Co., 13B E. Court St., Cincinnati 2,
 Ohio.

- Ohio.

 FOWLER, ROBERT W. (S'57-M'59), B702 Gilbert PI., Takoma Park, Washington, D. C.

 FOWLER, RUSSEL H. (M'57), Field Service Rep., Hughes Aircraft Co., Culver City, Calif.

 FOWLER, THEODORE C. (M'5B), Design Liaison Engr., GL Co., Utisa, M.Y.

 FOWLER, WILLIAM L. (M'57), Engr., Texas Instruments, Inc., North Central Expressway, Dallas, Tex.

 FOWLIE, WILLIAM D. (A'3B-M'55), Mgr., Canadian Overseas Telecommunication Corp., 379 Barrington St., Halifax, N. S., Canada. N. S., Canada.
- FOWLKES, JAMES C. (S'56-M'5B), 436 James Ct., Falls Church, Va.

- FOWNES, ROBERT F. (S'57-A'58), Field Service Engr., Datamatic Corn., Needham St., Newton Highlands, Mass. FOX, A., GARDNER (A'40-SM'45-F'56), Research Radio Engr., Bell Tel. Labs., Box 107, Red Bank, N. J. FOX, ALAN J. (S'54-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
- FOX, ALLEN (S'55-M'58), Elec. Engr., IBM, Pough-
- FOX, ALLEN 13 January 201, ALLEN 14 Leon 201, ALLEN 15 January 201
- Z200 Certifier a Ver., W. LOS Angeres, Vall.
 FOX, CARL H. (M'50), Pres. & Chief Engr., Associated
 Radio Service Co., 350B Love Field Dr., Dallas, Tex.
 FOX, CHARLES W. (S'55-M'5B), Design & Dev. Engr.,
 RCA, 11B19 W. Olympic Blvd., Los Angeles, Calif.
 FOX, DAVID N. (S'56-M'57), Ist Lt., U. S. Army, Fire
 Direction Officer, Btry, 'A', 1st How Bn. (105MM) 7th
 Artillery, Ft. Huachuca, Ariz.

- Artillery, Ft. Huachuca, Ariz.

 FOX, DERWIN A. (S'57-M'59), USN, USS Monrovia, APA 31, Home: 216 W. 30 St., Norfolk, Va.

 FOX, EARL D. (M'56), Sect. Chief, Test Set Design Dept., Western Electric Co., Lexington Rd., Winston-Salem, N. C. FOX, EDBWARD C. (S'56-M'5B), Mem. Tech. Staff, RCA Labs., Princeton, N. J.

 FOX, FLBERT M. (M'49), Physicist, E. M. Fox Lab., 412B Milpas Branch, Box 412B, Santa Barbara, Calif. FOX, EUGENE I. (S'49-A'51-M'5B), Project Engr., Belock Instrument Corp., 111-01 14 Ave., College Point, L. 1., N. Y.

 FOX, FLORIBA I. (4:27-M'54), St. Project Fox. Dictatory Control C
- L.I., N.Y.

 FOX, FLORIAN J. (A'27-M'54), Sr. Project Engr., Dictaphone Corp., 375 Howard Ave., Bridgeport 5, Conn.

 FOX, GEORGE W. (SM'52), Elec. Engr., Head, Electronics & Communications Design Sect., Union Electric Co., 315 N.

 12 Blvd., St. Louis 1, Mo.

- T2 Bivd., St. Louis 1, Mo.

 FOX, HARVEY M. (S'52-A'53-M'57), Project Engr.,
 Raytheon Mfg. Co., Maynard, Mass.

 FOX, JACK L. (A'59), Engr., Sperry Gyroscope Co.,
 Great Neck, L.1., N.Y.

 FOX, JAMES H. (S'57-M'59), Traffic Asst., Illinois Bell
 Tel. Co., La Grange, Ill.

 FOX, JEROMC S'39-A'40-SM'50), Research Supvr.,
 Microwave Research Institute, Polytechnic Institute of
 Brooklyn, 55 Johnson St., Brooklyn 1, N.Y.
- Brooklyn, 55 Johnson St., Brooklyn 1, N.Y.
 FOX, JOHN W. (\$'55-M'5B), Lockheed Missile & Space
 Div., Sunnyvale, Calif.
 FOX, KENNETH H. (SM'51), Asst. Chief Engr., Red Bank
 Div., Bendix Aviation Corp., Hwy. 35, Eatontown,
 N.J.
- N. J.
 FOX, KERRY R. (S 46-A'4/-M'55), Sales Chur., Collina
 Radio Co., 1930 HiLline Dr., Dallas, Tex.
 FOX, LORICK F. (S'57-A'5B), Training Officer, Tech.
 Fields, Natl. Security Agency, Washington, 25, D. C.
 FOX, MALCOLM L. (A'49), V. P., Production Mgr., World
 Magnetics, Inc., Box 243, Charlotte, Mich.

- Magnetics, Inc., Box 243, Charlotte, Mich.

 FOX, MARTIN (M'47), Pres., Martin Communications, Inc.,
 11620 Laurel Crest Dr., Studio City, Callf.

 FOX, MELVIN L. (A'52-M'57), Engre. Dept. Chief, Western Electric Co., Burlington, N. C.

 FOX, PHILIP E. (S'41-A'45-SM'53), Sr. Engr., IBM
 Engrs. Lab., Poughkeepsie, N. Y.

 FOX, RICHARD A. (M'57), Elec. Engr., Bonneville Power
 Administration, Box 3537, Portland B, Ore.

 FOX, RICHARD A. (S'52-A'55), Tube Design Engr., Electronic Tube Div., Westinghouse Elec. Corp., Bath, N. Y.
 FOX, RICHARD K. (S'56-M'5B), Engr., Westinghouse
 Elec. Corp., Box 746, Baltimore, Md.
 FOX, RICHARD S. (S'53-A'53), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9,
 N.Y.
- FOX, ROBERT A. (A'26-M'42-SM'43), Consulting Engr., Communications & Electronics, Box 237, Melbourne Beach,
- Fia.
 FOX, ROBERT I. (M'59), Engr., RCA, Camden 2, N.J.
 FOX, ROBERT M. (5'53-A'55), Pres., Fox Associates, 19
 Ellington St., Dorchester 21, Mass.
 FOX, ROBERT M. (M'5B), Sect. Head, Military Projects,
 Stromberg-Carlson Co., 14D0 N. Goodman St., Rochester
 9 N. Y
- FOX, ROY C. (S'40-A'42-M'55), Supvy. Engr., Westing-house Elec. Corp., Friendship Internatl. Airport, Baltimore 27, Md.

- Mile, Detroit, Mich.

 FOYER, DONALD R. (A'50), Sales Rep., Foto Video Labs.,
 Inc., 36 Commerce Rd., Cedar Grove, N.J.

 FOZDAR, JAMSHED K. (M'56), Mgr., Communications Dept.,
 Vietnam Engrg. Co., 232 Trinh-Minh-The, Saigon, Vietnam.

 FRACHTMAN, HENRY E. (S'51-A'52-M'57), Engr., The
 Mitre Corp., 2244 Wood St., Lexington 73, Mass.

 FRADY, WILLIAM E. (A'53-M'59), Assoc, Lab. Dir.,
 Aeronutronic Systems, Inc., Ford Rd., Newbort Beach, Calif.
 FRAEDRICH, DORAN K. (S'4B-A'51-M'56), Systems Planing Engr., RCA, Camden, N.J.

 FRAENCKET, VICTOR H. (A'36-M'55), Consultant,

- FRAEDKICH, DORAN K. (S'4B-A'51-M'56), Systems Planing Engr., RCA, Camden, N.J.
 FRAENCKEL, VICTOR H. (A'36-M'55), Consultant, Scientific Relations, GE Co. Research Services, Box 10BB, Schenectady, N.Y.
 FRAENKEL, AVIEZRI S. (A'57), Research Asst., Univ. of California, Los Angeles 24, Calif.
 FRAENZ, KURT O. (SM'55), Vicedir., Telefunkenforschungsinstitut, Telefunken, GmbH, Soflingerstrasse 100, Ulm, Donau, West Germany.
 FRAGER, ALVIN M. (S'54-M'56), Design Engr., McDonniell Aircraft Corp., St. Luuis, Mo.
 FRAGGIOTTI, JOSEPH (A'56-M'5B), Research Engr., No. Amer. Aviation, Columbus 16, Ohio.
 FRAGNITO, JOSEPH P. (S'54-M'75B), Engr.-in-Communications, Advanced Electronics Center, LMED, GE Co., Ithaca, N.Y.

- FRAGDLA, CAESAR F. (S'40-A'41-M'55-SM'55), Engrg. Debt. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y. FRAIM, EVERETT G. (A'44-M'55), Sect. Mgr., Raytheon Mfg. Co., Andover, Mass. FRAIM, NORMAN R. (S'56-M'5B), Research Engr., IBM, OSSING, N.Y.

- FRAIM, NORMAN R. (S'56-M'5B), Research Engr., IBM, Ossing, N.Y.

 FRAIPONT, DONALD F. (S'57-A'59), Assoc. Engr., RCA Semi-Conductor Div., Somerville, N.J.
 FRAKES, STANLEY E. (A'44), Test Equipment Engr., Travler Radio & Television Corp., Orleans, Ind.
 FRALEIGH, RUSSELL V. (S'54-A'55), Assoc. Engr., Raytheon Mtg. Co., Wayland, Mass.
 FRAME, NORMAN R. JR. (S'50-A'51-M'56), Project Engr., Reflectone Corp., Post Rd., Stamford, Conn.
 FRAME, ROBERT H. (S'52-A'54), Electronics Engr., Internati. Electronics Engr., Inc., 425 13 St., N.W., Washington 4, D.C.
 FRAME, THOMAS E. (A'47-M'55), Supvy. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 FRAME, RICHARD J. (SM'49), Chief, Prod. Control Office, WCLD, Directorate of Labs., Wright Air Development Center, Wright-Patterson AFB, Olim.
- FRANCE, JAMES R., (M'57), Telecommunications Staff Officer, Dept. of Natl. Defense, RCAF, AF Hgrs., Ottawa, Ork., Canada.
- Officer, Debt. on Nati. Defense, NCAY, JA. Harry, Canada.

 FRANCE, RAYMOND W. (A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 FRANCESCHINI, JOHN B. (M'57), Engr., Airborne Instruments Labs., 160 Old Country Rd., Mincola, L.I., N.Y.

 FRANCHELL, WILLIAM R. (M'57), Tech. Rep., Bendix Radio Div., Baltimore 4, Md.

 FRANCHI, ARMAND J. (S'54-A'55), Design & Dev. Engr., The Martin Co., Middle River, Md.

 FRANCHINA, MARTINA. (S'47-A'49-SM'59), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 FRANCINI, GIUSEPPE (S'49-A'51-M'56), Research Dir., Istituto Superiore Telecommunicazioni, Viale Trastevere 1B9, Roma, Italy.

 FRANCIS, CHARLES A. (M'49), Telegraph Supvr., South-

- LBY, Roma, Italy.

 FRANCIS, CHARLES A. (M'49), Telegraph Supvr., Southwestern Bell Tel. Co., 1121 Capitol, Houston 2, Tex.

 FRANCIS, CYRIL J. (SM'55), Asst. Dir. Electronics,

 Ministry of Supoly Castlewood House, New Oxford St.,

 London, England.
- FRANCIS, ELIZABETH A. (S'52-A'54), 11 Wilbur St., Waltham 54, Mass.

- Waltham 54, Mass.

 FRANCIS, GEORGE A. L. (A'56), Lab. Electronics Technician, Douglas Aircraft Co., Santa Monica, Calif.

 FRANCIS, HAROLD G. (SM'5B), Mgr., Engrg. Administration, LMED, GE Co., Utica, N. Y.

 FRANCIS, HORACE D. JR. (A'55-M'57-SM'59), Electronics Engr., Univ. Of California Lawrence Radiation Lab., Box BOB, Livermore, Calif.
- FRANCIS, J.P. (A'53), Component Engr., The Martin Co., Baltimore 3, Md.

- Baltimore 3, Md.

 FRANCIS, JESE, JR. (S'55-M'56), Field Engr., Florida Power & Light Co., Box 3100, Miami 30, Fla.

 FRANCIS, JOHN P. (M'56), Sr. System Engr., The Martin Co., Baltimore 3, Md.

 FRANCIS, JOSEPH W. (M'56), Engr., Boeing Airplane Co., 3B01 S. Oliver, Wichita 1, Kan.

 FRANCIS, LAWRENCE G. (S'56-M'56), Mfrs. Agent, Francis Associates, 3117 Filmore St., El Paso, Tex.

 FRANCIS, SAMUEL A. (S'46-A'51-M'56), Partner, Francis Associates, Box B7, Marion, Mass.

 FRANCIS, THOMAS F. (A'56), Airport Sta., Box 90365, Los Angeles 45, Calif.

 FRANCIS, THOMAS F. (A'56), Airport Sta., Box 90365, FRANCIS, THOMAS F. (S'57-M'59), Mem. Tech. Staff,
- Los Angeles 45, Calif.
 FRANCIS, THOMAS L. (S'57-M'59), Mem. Tech. Staff,
 Texas Instruments, Inc., 6000 Lemmon, Dallas 19, Tex.
 FRANCIS, WILLIAM A. (S'57-M'58), Engr., Govt. & Industrial Div., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- FRANCISCO, GEORGE E. (A'55-M'57), Sr. Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Dhio.
- FRANCISCO , ROBERT L. (M'5B), Mgr., Systems Evaluation, Missile & Space Vehicle Dept., GE Co., 319B Chestnut St., Philadelphia 4, Pa.

- Missile & Space venicle Dept., GE Co., 3198 Chestur St., Philadelphia 4, Pa.
 FRANCISCO, SHERMAN G. (S'54-M'56), Elec. Engr., IBM, Endicott, N.Y.
 FRANCLEMONT, HENRY J. J.R. (A'57), Radio Technician, WBEN, Inc., Buffalo, N.Y.
 FRANCO, ALBERT G. (S'54-M'5B), Research Engr., IBM, Watson Labs., 612 W. 115 St., New York 25, N.Y.
 FRANCO, GEORGE A. (S'54-M'56), Lab. Mgr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 FRANCO, MAURICE (4'45-M'49), Engrg. Group Leader, RCA, 11B19 W. Olympic Blvd., Los Angeles 64, Calif. FRANCDEUR, GERARD R. (A'45-M'49), Engrg. Group Leader, RCA, 154, Britton Ave., Elmhurst, L. I., N.Y.
 FRANEVSKY, MICHAEL (A'50-M'53), Group Supur., Materials & Standards, Electronics Div., Ryan Aero-nautical Co., 5650 Kearny Mesa Rd., San Diego 17, Calif.
- Calif.
 FRAMK, ALAN I. (S'52-A'51-M'57), Project Engr.,
 Philico Corp., 4700 Wissahickon Ave., Philadelphia, Pa.
 FRAMK, ARTHUR (S'58-A'59), Convair, Ft. Worth, Tex.
 FRAMK, ARTHUR J. (S'50-A'52-M'57), Project Engr.,
 Philico Corp., 4700 Wissahickon Ave., Philadelphia, Pa.
 FRAMK, CARROLL E. (S'47-A'51-M'5B), Sr. Mem. Tech.
 Staff, ITT Labs., 15151 Bledsoe, San Fernando, Calif.
 FRAMK, CHARLES W. (M'47), Dir., Facilities & Planning,
 Genl. Telephone Labs., Inc., Box 17, Northlake, III.
 FRAMK, DEAN E., JR. (S'57-M'5B), Engr., IBM, Owego,
 N.Y.
- FRANK, DONALD H. (S'56-M'5B), Electronics Engr.-in-Chg., Electronics Lab., Fermi Institute for Nuclear Studies, Univ. of Chicago, 5630 S. Ellis Ave., Chicago, III.
- FRANK, DONALD N. (A'57), Electronics Engr., N.J.E. Corp., 345 Carnegie Ave., Kenilworth, N.J. FRANK, EUGENE D. (S'55-M'57), Engr., ITT Labs.,
- FRANK, EUGENE D. (S'55-M'57), Engr., III Labs., Nutley, 10, N.J.
 FRANK, FREDERICK P. E. (A'55), Group Head, Airborne Instrument Lab., Mineola, I. J., N.Y.
 FRANK, GEORGE (M'58), Design Engr., Management Assistance, Inc., 40 Exchange Pl., New York, N.Y.
 FRANK, JAMES L. (S'56-A'57), Electronics Technician, Northrop Aircraft, Hawthorne, Calif.
 FRANK, JOHN E. (M'57), Sr. Engr., Reaction Motors Div., Thiokol Chemical, Ford Rd., Denville, N.J.

- FRANK, KARL F. (M'53), Pres., Micro Balancing, Inc., 191 Herrick Rd., Garden City Park, L.1., N.Y.
 FRANK, LAWRENCE H. (A'51), Mgr., Audio Corp. of America, 156 Plainfield Ave., Nixon, N.J.
 FRANK, LEONARD M. (S'56-A'56), Service Mgr., The Wurlitzer Co., 120 W. 42 St., New York, N.Y.
 FRANK, LORANT E. (S'53-A'54), Electronics Engr., Link Aviation, Inc., Box 1318, Palo Alto, Calif. FRANK, LOUIS G. (M'56), Tech. Writer, Lab. for Electronics, 75 Pitts St., Boston, Mass.
 FRANK, BEVIN F. (S'41-A'45-M'54)

FRANK, MERVIN E. (S'41-A'45-M'54), Assoc. Engr., System Oevelopment Corp., 2500 Colorado, Santa Monica, Calif.

FRANK, RICHARD B. (M'57), Project Engr., Nuclear-Chicago Corp., 223 W. Erle, Chicago 10, III. FRANK, RICHARD J. (S'56-M'59), Electronics Engr., U.S. Army Research & Oevelopment Lab., Ft. Monmouth, N.J.

FRAMK, RICHARO W. (S'47-A'51-SM'56), Oev. Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass. FRAMK, ROBERT A. (A'54), Systems Test IBM, Owego,

N.Y.
FRANK, ROBERT L. (A'47-M'47-SM'54), Engr., Sect.
Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
FRANK, W. KENWARD, JR. (5'53-A'54), Closed Circuit
TV Sales Engr., RCA, Rm. 1186, Merchandise Mart
Plaza, Chicago 54, III.

Praaz, Unicago 54, III.

FRAMK, WERNER I. (A'54), Staff Engr., ITEK Corp.,
700 Commonwealth Ave., Boston, Mass.

FRAMKART, WILLLIAM F. (A'41-M'46), Dir., Engrg.,
Hallicrafters Co., 4401, W. 5 Ave., Chicago 24, III.

FRAMKE, ARTHUR E. (M'56), Engrg. Mgr., Fischer &
Porter Co., Halboro, Pa.

FRANKE, GEORGE S. (8'55-M'57), Tech. Missionary American Baptist Foreign Mission Society, Sona Bata, American Baptist Forei Belgian Congo, Africa

RANKE, HERMAN C. (A'47-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. FRANKE, JOHN L. (SM'49), Chief Engr., RCA Victor, Camden B, N.J.

Camben B, N.J.

FRANKE, RICHARO T. (S'53-A'55), Dev, Engr., Lenkurt
Electric Co., Inc., 1105 County Rd., San Carlos, Calif.
FRANKE, ROBERT B. (A'58), Technician, Western
Electric Co., Marion & Vine, Laureldale, Pa.
FRANKEL, BURTON L. (M'56), Sales Engr., J. R. Danne
miller Associates, 3955 Lee Rd., Cleveland 2B, Ohio.
FRANKEL HERBERTY CARLAGE-VIEW

FRANKEL, HERBERT C. (M'46-SM'56), Supvy Electronics Engr., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N. J.

FRANKEL, SIONEY (A'37-SM'44-F'57), Oir., Engrg., Sierra Electronic Corp., 38B5 8ohannon Ave., Menlo Park, Calif.

FRANKEL, STANLEY P. (M'55), Consultant, 11639
Montana Ave., Los Angeles 49, Calif.
FRANKENBERG, ALBERT J. (M'57), Electronics Engr.,
Hgrs., Tactical Air Command, Langley AFB, Va.
FRANKENFIELD, CARL C. (S'48-A'52-M'57), Electronics
Design Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

FRANKFORT, MATTHEW J. (S'53-M'56), Assoc. Research Scientist, New York Univ., University Hgts., Bronx 53, N.Y.

FRANKIEWICH, CHESTER (S'50-A'51-M'56), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

FRANKLIN, 8ENJAMIN A. (A'56), Chief Engr., Susque-hanna Valley Broadcasting Co., 110 N. Elmer Ave., Sayre, Pa.

Sayre, Pa.

FRANKLIN, C. WAYNE (M'56), Pres., Light & Motion, Inc., 3417 W. 27 St., Chicago 23, III.

FRANKLIN, CHARLES S. (A'49-SM'53), Chief, Traffic Aids Branch, Communication & Navigation Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

FRANKLIN, COLIN A. (S'54-M'57), Research Engr., Defence Research Bel. of Ottawa, Defence Research Telecommunications Est., Electrons Lab., Montreal Rd., Ottawa, Ont. Canada

Ont., Canada.

FRANKLIN, OONALD E. (M'58), Engr., ITT Labs., Nutley
10, N.J.

10, N.J.
FRANKLIN, GENE F. (S'50-A'53-M'58), Assoc. Prof.,
Stanford Univ., Stanford, Callf.
FRANKLIN, HOWARD B. (S'46-A'48-M'55), Pres., Merquip Co., 5904 W. Roosevelt Rd., Chicago, III.
FRANKLIN, JULIUS I. (S'53-A'55), Sperry Gyroscope
Co., Great Neck, L.I., N.Y.
FRANKLIN, KENNETH L. (A'58), Assoc. Astronomer,
American Museum, Hayden Planetarium, 81 St. & Central
Park, W., New York 24, N.Y.
FRANKLIN I FIMS E. (A'48-M/58), Elald Forc. Pagareta

FRANKLIN, LEWIS F. (A'48-M'58), Field Engr., Reeves Instrument Corp., 215 E. 91 St., New York 28, N.Y. FRANKLIN, LEWIS R. (S'56-M'58), Design Engr., Syl-vania Elec. Defense Lab., Box 205, Mountain View,

FRANKLIN, PAUL E. (A'48-M'52), Supvr., Communications, City of Houston, 61 Reisner St., Houston 2, Tex. FRANKLIN, PETER G. (S'50-A'51-M'57), Sr. Project Engr., Hoffman Labs., 3761 S. Hill St., Los Angeles 7, Calif.

Cair.

FRAMKLIN, PHILIP J. (A'43-SM'51), Chief, Branch 53, Oiamond Ordnance Fuze Lab., Washington 25, D.C.

FRAMKLIN, ROBERT M. (A'50-M'55), Mor., Communications, Chrysler Corp., 341 Massachusetts Ave., Detroit

31, Mich.

FRANKLIN, WILLIAM S. (S'56-M'57), Electronics Engr., RCA Service Co., Riverton, N.J.
FRANKLIN, WILLIAM S. (SM'49), V.P. & Chief Engr., John E. Fast & Co., 3580 N. Elston Ave., Chicago, III.

FRANKOS, DIMITREOS T. (A'53-M'57), Elec. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Holly-wood, Calif.

wood, Calif.

FRANKOVICH, JOHN M. (M'59), Staff, MIT Lincoln Lab.,
Lexington 73, Mass.

FRANKS, SYRAN W. (M'46), Staff Asst. & Sr. Application
Engr., Electronics Oiv., Ryan Aeronautical Co., 3650
Keamey Mesa Rd., San Oiego 17, Calif.

FRANKS, CLIFFORD V. (A'50-M'55), Engr., I.L.S. Div.,
Meriam Instrument Co., 4525 W. 160 St., Cleveland 35,
Ohio.

FRANKS, ELMER A. (A'57), Field Eng., Philco Corp., 22 & Lehigh, Philadelphia, Pa.

FRANKS , HENRY J. , JR. (S'50-A'53-M'57), Electronic Scientist, Naval Research Lab., Washington 25, D.C. FRANKS , RAYMOND E. (M'57), Antenna Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif. FRANKS , THEODORE A. (S'53-M'5B), Design & Dev. Engr., RCA, Camden, N.J. FRASCO, WILLIAM V. (S'49-A'51-M'57), Sr. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N. C. FRANN, STAMATES I. (A'46-M'51-SM'56), Engrg. Dept. Head, Ford Instrument Co., 31-10 Thompson Ave., Long Island City 1, N.Y.

FRANTA, ALLEN L. (A'43-M'55), Electronic Scientist, Naval Research Lab., Code 5335, Washington 25, D.C. FRANTZ, D. ROBERT (M'46-SM'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. FRANTZ, ELWOOD C. (M'57), Engr., RCA, Moorestown,

N.J.
FRANTZ, GLENN R. (SM'46), Military Dev. Engr., Bell
Tel. Labs., Whippany, N.J.
FRANTZ, MICHOLAS (A'53), Designer-Consultant, 7815 E.
Prairie Rd., Skokie, III.
FRANTZ, WILBERT P. (M'45-SM'56), Engrg. Dept. Head,
Sperry Gyroscope Co., Great Neck, L.I., N.Y.
FRANZ, JOSEPH P., JR. (S'46-A'50-M'55), Suovg.
Engr., Westinghouse-Bettis Plant, Box 1468, Pittsburgh
30, Pa.

Engr., \ FRANZ, WILLIAM J. (A'44-M'59), Test Design Engr., Western Electric Co., 2500 Broening Hwy., Baltimore 24, Md.

FRANZEL, DAVIO E. (S'55-M'58), Design Engr., Pacific Power & Light Co., Portland, Ore.

FRANZEL, IRWIN H. (A'47-M'55), Chief Engr., J. A., Maurer, Inc., 37-01 31 St., Long Island City 1, N.Y.

FRANZEL, ROBERT T. (M'57), Engr., Boeing Airolane
Co., Seatile Wash Seattle . Wash

FRANZEL, KOBERT T. (M'57), Engr., Boeing Airdiane Co., Seattle, Wash.
FRANZEN, GUSTAV H. D. (A'56), Research & Dev. Engr., Carman Labs., Inc., The Great Rd., Bedford, Mass.
FRANZISKO, GEORGE (S'55-A'56), 24 School St., Glen Cove., L.I., N.Y.
FRANEY, JOHN L. (M'58), Research Engr., No. Amer. Aviation, Downey, Calif.
FRARY, RICHARD S. (S'49-A'50-M'55), Mgr., Lialson Engre., RCA Service Co., Canden 8, N.J.
FRASCO, WILLIAM V. (S'49-A'51-M'57), Sr. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.
FRASER, DONALD E. (S'57-M'59), Electronics Engr., Motorola, Inc., B201 E. McDowell, Phoenix, Ariz.
FRASER, DONALD W. (M'53-SM'55), Research Physicist, Hughes Aircraft Co., Box 5555, Tucson, Ariz.
FRASER, EDWARD J. (A'59), Asst. Electronics Officer, CC Air Oetachment, Navy 14, FPO, San Francisco, Calif.
FRASER, FRANK S. (M'53), Radio Equipment Engr.

RASER, FRANK S. (M153), Radio Equipment Engr., British Columbia Telephone Co., 2226 W. 10 Ave., Van-couver, B.C., Canada.

FRASER, GEORGE R. (M'48-SM'56), Cmdr., USN, Exec. Officer, U. S. Naval Avionics Facility, 21 St. & Arlington Ave., Indianapolis 18, Ind.

FRASER, GORDON R. (S'57-M'59), Elec. Engr., Western Electric Co.. 220 Church St. . New York 13 N V FRASER, HORATIO B. . (A'56), Project Engr., Communications Co., Inc., 300 Greco Ave., Coral Gables, Fla. FRASER, JOHN M. (SM'5B), Supvr., 8ell Tel. Labs., Murray Hill, N.J.

Hill, N.J.

FRASER, JULIUS T. (A'52-M'54-SM'58), Staff Mem. Genl. Precision Lab., Inc.. Pleasantville. N.Y.

FRASER. R. SCOTT (M'57). Enor. R.CA. Camden. N. I. FRASER, R. OBGERT (A'47-M'48), Project Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

FRASER, ROBERT H. (M'58), Patent Lawyer, 433 S.

Spring St., Los Angeles 13, Calif.

FRASER, ROBERT M. (A'47-M'47-SM'56), Sr. Project Engr., ITEK Corp., 223 Crescent St., Waltham 54, Mass.

FRASER, RUSSELL J. (A'49), Test Equipment Maint. Suovr., Philos Corp., Monroe & Superior Sts., Sandusky, Ohio.

FRASHER, M. MEREDITH (S'49-A'50-M'58), Electronics Engr., Computing Lab., Ballistics Research Labs., Aberdee Proving Grounds, Md.

Proving Grounds, Md.
FRASURE, LAWRENCE R. (S'57-M'59), Electronics Engr.,
Raytheon Mfg. Co., 8ox 636, Santa Barbara, Calif.
FRATAR, FRANCIS J. (A'36-M'45), Dept. Head. Environmental Test Lab., Genl. Instrument Corp., 165 Front St.,
Chicopee, Mass.

FRATAR, FRANCIS J. (A'36-M'45), Uepk. neau. Linius, mental Test Lab., Geni. Instrument Corp., 165 Front St., Chicopee, Mass.

FRATER, GLENN D. (A'57), Jr. Engr., Link Aviation, Inc., 80x 1518, Pato Alto, Calif.

FRATER, GROVER A. (S'47-A'49-M'55), Patent Atty., Bendix Aviation Corp., Davenport, Iowa.

FRATIANNI, SAVINO V. (A'46-M'55-SM'58), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

FRATKIN, BEN (A'49-M'55), Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P. Q., Canada.

FRATKIN, BENJAMIN (M'59), Group Supyr., Raytheon Mg. Co., Waltham, Mass.

FRATTALI, FRANK A. (S'49-A'50-M'55), Electronics Engr., Westinghouse Elec. Corp., 80x 746, Baltimore 3, Md.

FRAUENS, WILLIAM R. (A'58), Radio-Electric Technician, FRAUENS, WILLIAM R. (A'58), Radio-Electric Technician,

3, Md.

FRAUENS, WILLIAM R. (A'58), Radio-Electric Technician, United Air Lines, 5959 S. Cicero Ave., Chicago, III.

FRAUMAN, CHARLES I. (M'53), Engrg. Supvr., WRR, Fair Park, Oalias, Tex.

FRAUMANN, JOHN W. (A'52), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25. D.C.

FRAUMFLDER, JAMES A. (M'58), Sr. Engr., Remington Rand Univac, Philadelphia, Pa.

FRAUSTRO, 80NIFACIO (A'54), Missile Systems Engr., Boeing Airplane Co., Box 97. Melbourne. Fla

FRAY, LIONEL L. (S'56-M'59), 67 Amott Rd., Manchester, Conn.

FRAZEE, JAMES W. (M'57), Half Owner & Chief Engr., Mobile Communications Co., 419 Jackson St., Topeka,

Kan.

FRAZEE, ORVILLE P. (M'58), Engr., Motorola, Inc., 5100 McDowell Ave., Phoenix, Ariz.

FRAZER, ARTHUR W., JR. (A'53-SM'58), Elec. Engr., Sylvania Elec. Prods., Inc., Batavia, N.Y.

FRAZER, EDWARD J. (S'56-M'58), Engr. Asst., Radio, British Columbia Telephone Co., 768 Seymour St., Vancouver 2, 8.C., Canada.

FRAZER, JOHN F. (S'48-A'50-M'57), Sr. Research Engr., Research Oiv., Melpar, Inc., 43 Leon St., Boston, Mass.

FRAZIER, HINTON N. (S'57-M'59), Elec. Engr., Remington Rand Univac, St. Paul 16. Minn.
FRAZIER, HDWARD S. (M'43-SM'43), Pres., Howard S. Frazier, Inc., 1736 Wisconsin Ave., N.W., Washington 7, O.C.

Frazier, Inc., 1736 Wisconsin Ave., N.W., Washington 7, O.C.
FRAZIER, J.B. (A'56), Industrial Salesman, Scooters Radio Supply, 100 S. Freeway, Ft. Worth, Tex.
FRAZIER, JOHN F. (M'56), Mgr., Elec. Prod. Dev., Research & Dev. Div., Comining Glass Works, Corning, N. Y.
FRAZIER, LLOYD J. (S'55-A'56), Asst. Specification Engr., Southwestern Industrial Electronics Co., 2831 Post Oak Rd., Houston 19, Tex.
FRAZIER, RICHARO E. (S'39-A'40-M'51), Principal Engr., Comell Aeronautical Lab., Williamsville 21, N.Y.
FRAZIER, RICHARD V. (A'47-M'55), Project Engr., Bendlx Radio Div., Baltimore 4, Md.
FRAZIER, ROBERT L. (A'46-M'53), Staff Asst. to Factory Mgr., McDonnell Aircraft Corp., Lambert-St. Louis Municipal Airport, St. Louis, Mo.
FRAZIER, ROBERT M. (M'65), Project Engr., Wickes Engr., & Construction Co., 12 & Ferry Ave., Camden 4, N.J.
FRAZIER, ROBERT M., JR. (S'55-M'57), Fror. Westings.

4, N.J.
FRAZIER, ROBERT M., JR. (S'55-M'57), Engr., WestingHouse Electronics Div., Box 746, Baltimore 3, Md.
FREAR, ROBERT B. (A'53), Instr., Heald College, 1215
Van Ness, San Francisco, Calif.
FREAR, WILLIAM (A'37-SM'47), Sect. Engr., Govt. &
Industrial Div., Philoc Corp., 4700 Wissahickon Ave.,
Philadelphia, Pa.

Philadelphia, Pa.

FREATHY, RALPH E. (A'58), Engr., Electro-Volce, Inc.,
Carrol & Cecil Sts., Buchanan, Mich.

FRECH, ROGER A. (S'56-M'58), Electronics Engr., Stromberg-Carison Co., San Diego, Calif.

FRECHETTE, L. PAUL (M'59), Tech. Officer, Canadian
Naval Electrical Lab., RCAF Bldg. 49, Rockcliffe, Ont.,
Canada.

Canada.

FREO, JAMES A. (M'56), Dev. Engr., P.R. Mallory & Co., Inc., 555 Hoke Ave., Frankfort, Ind.

FREOENDALL, BEVERLY F. (A'29-Va'39-M'55), Engr., 1907-B W. Alameda, Burbank, Calif.

FREDENDALL, GORDON L. (A'41-SM'46-F'55), Sr., Mem. Tech. Staff, RCA, Princeton, N.J.

FREDERICK, CARL L. (M'45-SM'58), Pres., Frederick Research Corp., 4630 Montogomery Ave. Bethesda, Md

FREOERICK, CARL L., JR. (A'59), V.P., Frederick Research Corp., 4630 Montogomery Ave., Bethesda, Md.

FREDERICK, CHARLES L. (M'57), Engr., GE Co., Richland, Wash.

Richland, Wash.

FREDERICK, DAVID E. (M'58), Exec. V.P., Frederick Research Corp.. 2801 Far Hills Ave. Davinn 19 Ohin FREDERICK, EDWARD W. (M'57), Electronics Engr., U.S. Govt., Washington 25, D.C.

FREDERICK, HAROLD V. (S'56-M'56), Mfg. Methods Engr., Northern Electric Co., Ltd., 250 Sydney St., 8elleville, Ont., Canada.

FREDERICK, JOHN A. (M'56), Electronics Engr., U.S. Pacific Missile Range, Point Mugu, Calif.

FREDERICK, JOHN W. (S'57-M'59), Elec. Engr., Hughes Aircraft Co., El Seoundo. Calif.

FREDERICK, LAWRENCE G. (S'51-A'52-M'56), Functional Engr., GE Defense Systems Dept., 300 S. Geddes St., Syracuse, N.Y.

FREDERICKS, ALBERT C. (A'58), 1060 B2 St., Brooklyn 28, N.Y. FREDERICKS, CHARLES F. (A'55), Tech. Engr., IBM, Poughkeepsie, N.Y.

Poughkeepsie, N.Y.

FREDERICO, 8 LOSSY D. (M'52), Mgr., Microwave Research & Dev., Designers for Industry, 4241 Fulton Pkwy., Cleveland 9, Ohio.

FREDERICO, JOSE C. B. (S'48-A'51-M'57), Capt., Engrg. Branch, Brazilian Navy, Rio de Janeiro, Brazil.

FREDERIKSEN, THOMAS M. (S'56-M'58), Electronics Engr., Motorola, Inc., 8330 Indiana Ave., Riverside, Calif.

REDMAN, NORMAN E. (S'43-A'47-M'55), Electronics Research Engr., Lockheed Missile & Space Div., Sunnyvale, Calif.

Calif.

FREDRICK, ARDEN H. (S'41-A'44-M'55), Dir., Engrg., Production Research Corp., Thornwood, N. Y.

FREDRICK, RAYMONO E., JR. (S'48-A'51-M'56), Group Leader, Receivers, C.G.S. Labs., 391 Ludlow St., Stamford, Conn.

FREDRICKS, IRWIN (A'52-M'56), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

REDRICKS, ITHEL E. (S'51-A'52-M'57), Sr. Engr., Martin Co., Waterion, Colo. FREDRICKS, RICHARD J. (S'54-M'59), 97-39 220 St., Queens Village 29, L.I., N.Y.

queens village 29, L.I., N.Y.
FREDRICKS, ROBERT W. (S'56-M'58), Institute of Geophysics, UCLA, Los Angeles 24, Calif.
FREDRICKSON, DENNIS L. (S'56-M'59), 617 N. Martel
Ave., Los Angeles 36, Calif.
FREE, ALBERT L. (M'47), Patent Atty., Philco Corp.,
C & Tioga Sts., Philadelphia 34, Pa.

C & Tioga Sts., Philadelphia 34, Pa.
FREE, JEROME J. (S'54-4'55), Prod. Improvement
Engr., RCA, New Holland Pike, Lancaster, Pa.
FREEBURGER, BARRON P. (A'53), Supvr., Central Office,
Chesapeake & Potomac Telephone Co., 725 13 St.,
N.W. Washington 5, D.C.
FREED, ARTHUR (A'44), V.P., Mktg., Servo Corp. of
America, 20-20 Jericho Toke., New Hyde Park, L.I.,
N.Y.

FREED, ARTHUR J. (S'57-M'59), Elec. Engr., RCA, Moorestown, N.J.

MODIFESTOWN, N.J.

FREED, CHARLES (S'50-M'58), Sr. Engr., Raytheon Mfg. Co., 8urlington, Mass.

FREED, LEO (A'51), Partner, Leo Freed & Co., 420 Lexington Ave., New York 17, N.Y.

Ingron Ave., New York 17, N.Y.
FREED, PHILIP J. (S'41-A'44-SM'52), V.P., Haller,
Raymond & Brown, Inc., Box 60, State College, Pa.
FREED, ROBERT O. (A'46-M'59), Tech. Writer, Coastal
Publications Corp., 130 W. 42 St., New York 36, N.Y.
FREED, RONALD M. (S'55-A'56), Production Engr.,
Freed Transformer Co., Inc., 1718 Weirfield St.,
Brooklyn, N.Y.

FREEDMAN, DAVID O. (S'51-A'53), Elec. Engr., RCA, Moorestown, N.J.

- FREEDMAN, IRVING M. (S'54-A'55), Patent Atty., GE Co., 40 Federal St., West Lynn 3, Mass.
 FREEDMAN, JEROME (A'48-SM'52), Div. Head, Lincoln Lab., MIT, Lexington 73, Mass.
 FREEDMAN, LARRY A. (S'49-A'51-M'56), Research Engr., RCA Labs., Princeton, N. J.
 FREEDMAN, LEON M. (A'53), Design Engr., Bendix Missile, 11600 Sherman Way, North Hollywood, Calif.
 FREEDMAN, LOUIS M. (A'52), Electronics Engr., Partner, Gyro Electronics Co., 325 Canal St., New York 13, N.Y.
 FREEDMAN, NATHAN (S'45-A'52-SM'54), Staff Engr., Raytheon Mis. Co., Wayland, Mass.
 FREEDMAN, NORMAN S. (SM'52), Mgr., Chemical & Physical Lab., RCA Tube Div., Harrison, N.J.
 FREEDMAN, SAMUEL (M'41-SM'47), Pres. & Genl. Mgr., Chemalloy Electronics Corp., Gillespie Airport, Santee,
- Calif.

 FREEHAFER, JOHN E. (M'47), Chief Engr., Genl. Railway Signal Co., 801 West Ave., Rochester, N. Y.

 FREEK, WILLIAM L. (A'56-M'58), Instr., Radio & Electronics Institute of Technology & Art, 10 St. & 13 Ave., Calgary, Alta., Canada.
- Carygary, N.C., Lanada.
 FREEL, CHARLES L. (A'56), West Coast Mor., Aladdin Electronics, 380 E. Green St., Pasadena, Calif.
 FREELAND, ANDREW F. (S'51-A'52-M'57), Project Engr., Commercial Prods. Engrg. Dept., Bendix Aviation Corp., Towson 4, Md.
- FREELAND, ERNEST C. (A'35-VA'39-SM'48), Sect. Engr., Philoo Corp., C & Tioga Sts., Philadelphia 34,
- Pa.
 FREELAND, HAROLD E. (S'57-M'59), Jr. Engr., Philco
 Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 FREELAND, WILLIAM T. (M'53), Owner, Freeland Prods.,
 Co., 700 Dryades St., New Orleans 12, La.
 FREELING, MARVIN R. (M'57), Engr., RCA, Harrison,
- N.J.
 FREEMAN, ALFRED B. (SM'58), Academy of Aeronautics,
 La Guardia Airnort, Flushing 71, L.I., N.Y.
 FREEMAN, CARL F. (4'49-M'55), Electronic Scientist,
 U.S.N.O.T.S., China Lake, Calif.
 FREEMAN, ELMER D. (A'42-M'55), Retired, 869 Contra
 Costa Ave., Berkeley 7, Calif.
- Costa Ave., Berkeley 7, Calif.
 FREEMAN, ERNEST R. (S'53-M'56), Radar Maint.
 Officer, 908th AC&W Sqdn., Dovvins AFB, Marietta,
 Ga.
- Ga.

 FREEMAN, F. RAY (A'51-M'56), Sr. Research Engr., Pan American Petroleum Corp., Box 591, Tulsa, Okla.
 FREEMAN, GEORGE H. (S'53-A'55), Dev. Engr., Motorola Research Lab., 3102 N. 56 St., Phoenix, Ariz.
 FREEMAN, GEORGE V. H. (A'55), Engr., Litton Industries, 960 Industrial Rd., San Carlos, Calif.
 FREEMAN, HERBERT (A'49-M'52-SM'54), Dept. Head for Advanced Studies, Sperry Gyroscope Co., Great Neck, L.1., N.Y.

- L.I., N.Y.

 FREEMAN, HUGH H. (S'51-A'52-M'57), Engr., GE Co.,
 Owensboro, Ky.

 FREEMAN, J. ROBERT (A'55), Science Faculty Fellow,
 Dent. of Elec. Engrg., Univ. of California, Berkeley 4,
 Calif.

- Calif.

 FREEMAN, JACOB J. (A'43-AM'52), Physicist, Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

 FREEMAN, JAMES T. (S'51-A'53-M'58), U. S. Govt. Home: 935 S. 22 St., Afington 2, Va.

 FREEMAN, LAWRENCE C. (M'58), Pres., Lawrence C. Freeman & Associates, 24 Stephen St., Montcliar, N. J.

 FREEMAN, LAWRENCE D. (A'51-M'56), Sales Engr., Yewell Associates, Middlesex Tpke., Burlington, Mass.

 FREEMAN, LAWRENCE R. (S'51-A'52-M'57), Elec. Engr., Phillips Petroleum Co., Barlesville, Okla.

 FREEMAN, LEO A. (S'56-M'58), 125 Kennar Dr., Brookside Park, Nowark, Del.

 FREFEMAN, New J. (M'58), Communications Officer,
- FREEMAN, PHILIP S. (M'58), Communications Officer, N.A., British Overseas Airways Corp., 530 5 Ave., New York, N.Y.
- New York, N.Y.
 FREEMAN, RALPH W. (A'56), Tech. Writer, Malt & Ness, 1234 Genesee St., Buffalo, N.Y.
 FREEMAN, RICHARD I. (A'57), Electronics Lab. Technician, James Millen Mfg. Co., Inc., 150 Exchange St., Malden, Mass.

- nician, James Millen Mfg. Co., Inc., 150 Exchange St., Malden, Mass.

 REMAN, ROBERT E. (M'57), Designer, Douglas Aircraft Co., 3655 Lakewood Blvd., Long Beach, Calif.

 REEMAN, ROBERT H. (A'28), Chief Engr., Codeco, 15
 Southern Slope Dr., Millburn, N.J.

 FREEMAN, ROBERT L. (S'32-A'33-SM'45), V.P., A.C.
 Nielsen Co., 2101 Howard St., Chicago 45, III.

 FREEMAN, ROSS E. (SM'53), Mgr., Mfg., Computing Devices of Canada, Box 508, Ottawa, Ont., Canada.

 FREEMAN, S. MARVIN (A'54), Sr. Engr., Sperry Gyroscope
 Co., Great Neck, L. I., N.Y.

 FREEMAN, STEPHEN, JR. (S'24-A'24-M'47), Prof.,
 Elec. Engr., Purdue Univ., West Lafayette, Ind.

 FREEMAN, STEPHEN 111 (S'57-M'59), Fleid Engr., Govt.
 Service Div., Raytheon Mfg. Co., Waltham 54, Mass.

 FREEMAN, WALTER C., JR. (A'93-M'44-SM'47), Mem.
 Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 FREEMAN, WILLIAM I. (S'38-M'46), Exec. Engr., Motorola, Inc., 4545 Augusta Blvd., Chicago 51, III.

 FREEN, PHILIP (M'55), Pres., Benco Television Associates, Ltd., 27 Taber Rd., Revdale, Ont., Canada.

 FREESTONE, HARRY T. (A'54), Design Engr., GE Co.,
 Syracuse, N.Y.

 FREEZE, RICHARD C. (A'55), Guided Missile Instr., RCA
 Sprice Co., D. G. M. S. Reddone Arsenal. Als

- RELIAINME, MARKT I. (A'54), Design Engr., GE Co., Syracuse, N. Y.

 FREEZE, RICHARD C. (A'55), Guided Missile Instr., RCA Service Co., O.G. M.S., Redstone Arsenal, Ala.

 FREGAN, EDWARD J. (A'55), Co-Publisher, Architectural & Engru. News, 452 SAve., New York 18, N. Y.

 FREGGENS, ROBERT A. (M'55), Engr., Westinghouse Elec. Corp., Horseheads, N. Y.

 FREHSEE, RICHARD (A'52-M'57), Asst. Mgr., Testing Lab., IBM, Endicott, N. Y.

 FREI, EPHRAIM H. (M'58), Assoc. Prof., Weizmann Institute of Science, Rehovoth, Israel.

 FREI, JOSEPH (S'49-A'51-M'56), Supvr., Transmitter Sta., U.S. Army Communication Agency, Ft. Sill, Okla.

 FREIBERG, LEO, (A'51), Sr. Scientist, Lockheed Missile Systems Div., Box 504, Sunnyvale, Calif.

 FREIBERGER, HENRY A'. (M'58), 827 Pine Tree Lane, Shreveport, La.

- FREIBERGER, HOWARD (M'59), Electronics Scientist, Research & Dev. Div., Veterans Administration, 252 7 Ave., New York 1, N. Y.
 FREIBERGS, ELMER (S'57-M'59), U. S. Army Signal Research & Development Lab., Ft. Monmouth, N. J.
 FREID, JOSEPH (S'39-A'51-M'56), Field Engr., H. L.
 Hoffman Co., Inc., 35 Old Country Rd., Westbury, L. I., N. Y.
- N. Y.

 REIDNER, GUSTAVE E. (A'54), Jr. Electronics Engr.,
 Astatic Corp., 250 Harbor St., Conneaut, Ohio.

 FREIENMUTH, WILLIAM L. (S'46-A'48-M'54-SM'59),
 Asst. Dept. Head, Vitro Labs., 14000 Georgia Ave.,
 Silver Spring, Md.

- Silver Spring, Md.

 FREIER, LAWRENCE J. (S'58-M'59), Asst. Engr., Raytheon Mfg. Co., Maynard, Mass.

 FREIER, MICHAEL (M'57), Engrg. Specialist, Missile Systems Div., Republic Aviation Corp., 223 Jericho Tpke., Mineola, L. 1., N. Y.

 FREIERMUTH, VINCENT J. (A'26-M'46), Staff Engr., The Pacific Telephone & Telegraph Co., 760 Market St., San Francisco 2, Calif.

 FREIHEIT, HILDING H. (A'58), Regional Sales Engr., Lansdale Tube Co., 1100 Merchandise Mart Plaza, Chicago 54, III.

 FREIMAN, CHARLES V. (S'54-M'57), Instr. Else Telephone
- Lansoare | uoe Co., 1100 Merchandise Mar Miaza, Chicago 54, Ill.

 FREIMAN, CHARLES V. (S'54-M'57), Instr., Elec. Engrg., Columbia Univ. School of Engrg., New York 27, N. Y.

 FREIMAN, MURRAY J. (S'50-A'51-M'56), Engr., Reeves Instrument Corp., Roosevelt Field, Mineola, L. I., N. Y.

 FREIMANN, FRANK (A'41-SM'57), Pres., Magnayox Co., 21.31 Bueter Rd., Ft. Wayne 4, Ind.

 FREIMER, MARSHALL L. (M'56), Mathematician, Lincoln Lab., Mit, Lexington 73, Mass.

 FREISE, WILLIAM H. (A'52), Test Engr., Hewlett-Packard Co., 275-Page Mill Rd., Palo Alto, Calif.

 FREKOT, JOSEPH J. (A'41-M'55), Tech. Writer, Philco Corp., 18 & Courtland Sts., Philadelphia, Pa.

 FRELICH, PAUL D. (A'54), Sr. Engr., Raytheon Mfg. Co., Wayland, Masss.

 FREMMING, HANS O. (S'53-A'54), Engr., Telegrafstyret.

- Wayland, Mass. FREMMING, HANS O. (S'53-A'54), Engr., Telegrafstyret, Tollbug: 25, Oslo, Norway. FRENCH, ARTHUR B. (S'48-A'52-M'57), Communications Operations Super., Chrysler Corp., 6230 John R St., Detroit 31, Mich.
- FRENCH, BENEOICT V.K.(M'30-SM'43), Liaison Engr., Tech. Literature, Crosley Div., Avco Corp., Arlington St., Cincinnati, Ohio.
- Cincinnati, Ohio.

 FRENCH, CHARLES C. (S'52-A'54-M'59), Asst. Project Engr., Genl. Precision Lab., Inc., Pleasantville, N. Y.
 FRENCH, CHARLES E. (M'53), Electronics Engr., U. S.
 Army Air Defense Board, Ft. Bliss, Tex.
 FRENCH, CHARLES G. (S'46-A'48-M'55), Elec. Designer, United Engrs. & Constructors, 1401 Arch St., Philadelphia 5, Pa.
- FRENCH, DONALD E. (A'52-SM'54), Electronics Engr., U. S. Army Ordnance Dept., Huntsville, Ala.

- U. S. Army Ordnance Dept., Huntsville, Ala.
 FRENCH, EDWIN C. (A'33-VA'39-M'55), Elec. Engr., Connecticut Telephone & Electric Co., 70 Brittania St., Meriden, Conn.
 FRENCH, EDWIN O. (M'57), Field Engr., RCA Service Co., Camden 8, N. J.
 FRENCH, GENE (M'47-SM'50), Pres., Gene French Co., 120 San Pedro Or., S. E., Albuquerque, N. M.
 FRENCH, H. NELSON (M'51), Special Services Design Engr., New Jersey Bell Tel. Co., 540 Broad St., Newark 1, N. J.
 FRENCH. HAROLD M (S'52-M'57), Research Engr.
- 1, N.J.
 FRENCH, HAROLD M. (S'52-M'57), Research Engr.,
 Hughes Aircraft Co., Culver City, Calif.
 FRENCH, HARRY H. (A'58), Electronics Engr., U.S.
 Army Signal Research & Development Lab., Ft. Monmouth,
 N.J.
- N. J. FRENCH, HEYWARD A. (A'44-SM'53), Exec. Engr., ITT Labs., Nutley 10, N. J. FRENCH, ISABELLE F. (J'43-A'43-M'49), Assoc. Mem. Tech. Staff, Bell Tel. Labs., 555 Union Blvd., Allen-town, Pa.
- (OWM, Pa. FRENCH, JUDSON C. (M'56), Supvy. Electronics Scientist, Electron Devices Sect., Natl. Bureau of Standards, Washington 25, D. C. FRENCH, PHILIP M., JR. (S'57-M'59), Ridge Rd., R.D. 1, Lockport, N.Y.

- 1, Lockport, N. Y.
 FRENCH, RICHARD W. (S'51-A'53-M'56), Engr., GE Co.,
 Syracuse, N. Y.
 FRENCH, ROBERT (A'53), Inspector, Dept. of Natl. Defence, Govt. of Canada, 66 Navy St., Oakville, Ont.,

- Canada,

 FRENCH, ROBERT L., (M'56), 2nd Lt., U.S. Army,
 P.O. Box 339, Camarillo, Calif.

 FRENCH, ROGER F. (SM'58), Mgr., Mfg. Engrg., Raytheon Mfg. Co., Waltham 54, Mass.

 FRENCH, ROSS R. (S'55-4'57), Staff Asst., Sandia Corp.,
 Sandia Base, Albuquerque, N. M.

 FRENETTE, CHARLES (A'33-M'49), Tech. Dir., Montreal TV Service, Canadian Broadcasting Corp., Box 6000,
 Montreal, P.Q., Canada.
- monureal, P. Q., Canada.
 FRENETTE, RENE H. (M'56), Asst. Supvr., Audio Operations, Canadian Broadcasting Corp., 5253
 Decarie Blvd., Montreal, P.Q., Canada.
 FRENKEL, LOUIS J., JR. (M'49-SM'57), Sect. Supvr., Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
- FRERES, CLEMENS H. (A'46-M'52), Engr., USN, Electronics Lab., Point Loma, San Diego 52, Calif-FRERICHS, RUDOLF (SM'57), Prof., Elec. Engrg., Technological Institute, Northwestern Univ., Evanston, III.
- III.
 FRERKING, HARLAN W. (S'46-A'49-M'55), Prod. Engrg.
 Supvr., Sperry Electronic Tube Div., Gainesville, Fla.
 FRERKING, MARVIN E. (S'58-M'59), 1418 'B' Ave.,
 N.E., Cedar Rapids, lowa.
 FRESE, GEORGE M. (SM'58), Consulting Engr., 1011
 Denis Ave., East Wenatchee, Wash.
 FRESE, ROBERT E. (S'51-A'53-M'57), Instr., Elec.
 Engrg., Univ. of Michigan, Ann Arbor, Mich.
 FRESE, SYLVESTER J., JR. (S'57-A'57), Electronics
 Technician, IBM, Poughkeepsie, N.Y.
 FRESEMAN, WILLIAM L. (SM'47), Dir., Engrg., Projects
 Div., Internat. Standard Electric Corp., 67 Broad St.,
 New York 4, N.Y.

- FRESHOUR, SIDNEY G. (M'57), Instrumentation Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.
 FRESSOLA, BENJAMIN C. (4'56), Sales Engr., Automatic Switch Co., Hanover Rd., Forham Park, N.J.
 FRETZ, ORA G. (SM'53), Supvr., Elec.-Electronics Sect., Cmdr., Kelly AFB, SANREC, Kelly Field, Tex.
 FREUD, EDGAR L. (5'47-A'50-M'55), Electronics Engr., M. Ten Bosch. Wheeler Ave., Pleasantville, N.Y.
 FREUDENBERG, BORIS (SM'51), Consulting Engr., B. Freudenberg, Inc., 240 W., 98 St., New York 25, N.Y.

- N.Y.

 FREUDENBERG, HERMAN O. (A'44), Pres., Persolite Prods., Box 3056, Denver, Colo.

 FREUND, HAROLD G. (M'54), Physicist, Roswell Park Memorial Institute, Buffalo 3, N.Y.

 FREUND, KNRT M. (A'57), Project Technician, Univ. of Toronto, 112 College St., Toronto, Ont., Canada.

 FREUND, WILLIAM H. (A'40-M'45), Transmitting Tube Engr., RCA, Lancaster, Pa.

 FREUNDLICH, JEROME J. (M'57), Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus 9, Ohio.

 FREUNDLICH, MARTIN M. (A'38-SM'45), Consultant, Aibornel Instrument Lab., 160 Old Country Rd., Mineola, L.I., N.Y.

 FREWALD, WILLIAM J. (A'54). Broadcast Engr., WHDH-

- Airborne Instrument Lab., 160 Old Country Rd., Mineola, L.I., N.Y.
 FREWALD, WILLIAMJ. (A'54), Broadcast Engr., WHDH-TV, 6 St. James Ave., Boston 16, Mass.
 FREWALDT, ELMER W. (A'55), Tech, Dir., WOI-TV, lowa State College, Ames, lowa.
 FREY, AUSTIN R. (A'34-SM'46), Chmm., Dept. of Physics, USN Postgrad. Schoold, Monterey, Calif.
 FREY, HENRY E. (S'55-M'57), Asst. Engr., Sperry Gyroscope, Great Neck, L.I., N.Y.
 FREY, HERBERT B. (A'51-M'56), Engr., Collins Radio Co., Cedar Rapids, lowa.
 FREY, HUGH B., JR. (M'48), Treas., Mosaic Fabrications, Inc., Foster St., Southbridge, Mass.
 FREY, JOHN J. (S'56-M'59), Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 FREY, WALTER W. (S'55-M'58), Engr., Airborne Instruments Lab., 160 Old Country Rd., Mineola, L.I., N.Y.
 FREY, WILLIAM A. (A'55), Field Engr., RCA Service Co.,
- N.Y.

 FREY, WILLIAM A. (A'55), Field Engr., RCA Service Co., Inc., 309 Country Club Ter., Midwest City, Okla.

 FREYBERG, JAMES A. (A'53), Supvr. Test Maint., Philico Corp., W. Monroe St., Sandusky, Ohio.

 FREYDL, EDGAR J., JR., (S'56-M'59), Electronics Scientist, U.S. Naval Ordnance Lab., Corona, Calif.

 FREYMAN, ROBERT W. (S'44-A'49-SM'54), Elec.

 Engr., Los Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

- Alamos, N.M.
 FREYMODSSON, JOHANN B. (A'55), Sr. Elec. Engr., A.
 R.F. Prods., Inc., 7627 W. Lake St., River Forest, III.
 FREYMUTH, JOSEPH J., JR. (A'51-M'56), Prof., Physics,
 Southwestern at Memphis, 2000 North Pkwy., Memphis 12,
 Tenn.
- renn.
 FREYTAG, RICHARD C. (A'54), Systems Branch Mgr., Wyle Labs., 128 Maryland St., El Segundo, Calif.
 FREZZOLINI, DEWEY (A'38-VA'39), United Press Internati., 5 Woodland Ave., Maywood, N.J.
 FRIANT, RAY J., JR. (M'58), 200 Fletcher Dr., North Syracuse, N.Y.

- Syracuse, N.Y.

 FRIAS, DANIELE. (M'48-SM'50), Dir. Tecnico "broac"
 LV12, LV7 y LW 3; Jefe Tec. Aeropuerto Tuc.y Emis.
 Policial; Cordoba 339, S.M. de Tucuman, Argentina.

 FRIBERG, VINCENT (S'41-A'43), Project Engr., Automatic
 Mfg. Div., Genl. Instrument Corp., 65 Gouverneur St.,
 Newark, N.J.
- FRIC, MARIO (A'57), Chief Technician, Primera Cadena Radial Colombiana (Caracol S.A.), Calle 19 *8-48, Bogota,
- Colombia.
 FRICK, CHARLES W. (SM'51), Consultant 1 Union St., Schenectady 5, N.Y.
 FRICKE, KENNETH M. (S'55-A'57), Electronics Technician, Gates Radio Co., 123 Hampshire St., Quincy, III.
 FRICKE, LE ROY C. (M'58), Genl. Radio Co., 6605 W.
 North Ave., Oak Park, III.
- North Ave., Oak Park, III.
 FRICKE, LOUIS H., JR. (S'48-A'54), Elec. Engr.,
 Monsanto Chemical Co., Lindbergh & Olive Sts., St.
 Louis 24, Mo.

- Monsanto Chemical Co., Lindbergh & Olive Sts., St.
 Louis 24, Mo.

 FRICKE, ROEER H. (A'45-M'55), Communications Systems
 Engr., RCA, Camden, N.J.

 FRICKER, JOHN N. (A'41-M'a4), Dir., Engrg. Services,
 Airborne Instruments Lab., inc., 160 Old Country Rd.,
 Mimeola, L.I., N.Y.

 FRICKER, STEPHEN J. (S'50-A'54-M'55), 1108 Whitney
 Ave., Hamden 17, Conn.

 FRICKS, RICHARD E. (A'43-M'46), Sect. Head, Sylvania
 Electronics Systems, Waltham, Mass.

 FRIDAY, ROBERT G. (S'56-A'59), Electronics Engr., USAF,
 Westem Field Office, McClellan AFB, Calif.

 FRIDEN, EGORGE E. (S'56-M'58), Instr., Dept. of Elec.
 Engrg., Texas A & M College, College Sta., Tex.

 FRIDEN, SEONGE E. (S'56-M'58), Instr., Dept. of Elec.
 Engrg., Texas A & M College, College Sta., Tex.

 FRIDEN, STEN G. (A'51), Elec. Engr., A, B. Gasaccumulator, Lidingo, Sweden.

 FRIDEN, STEN G. (A'51), Elec. Engr., A, B. Gasaccumulator, Lidingo, Sweden.

 FRISHAL, RICHARD (S'54-A'56), Assoc. Engr., IBM,
 Poughkeepsie, N.Y.

 FRIEBELE, EDWARD J. (A'38-VA'39-M'55), Mfg. Mgr.,
 Sperry Microwave Electronics Co., Div., of Sperry Rand
 Corp., Box 1828, Clearwater, Fla.

 FRIEBELE, CMYERR (A'43), 4903 N. Coldbrook Ave.,
- Corp., BOX 1826, Clearwater, Fla.
 FRIEBERG, MEYER (4/31, 4903 N. Coldbrook Ave.,
 Lakewood, Calif.
 FRIEBURG, HAROLD E. (A/54), Lab. Tech., Collins Radio
 Co., 2700 W. Olive, Burbank, Calif.
 FRIED, GEORGE (A/53), V.P. & Genl. Mgr., Automation
 Div., Telechrome Mfg. Corp., 26 Edison St., Amityville,
 L.I., N.Y.
- FRIED, STEWART J. (S'55-M'57), Asst. Patent Engr., Airborne Instruments Lab., 160 Old Country Rd., Mineola, L.I.,
- FRIED, WALTER R. (S'46-A'49-SM'57), Sr. Scientist, Research & Dev. Planning, Genl. Precision Lab., Pleas-antville, N.Y.
- FRIEDBERG, ISRAEL S. (A'49-M'55), Research Assoc., Engrg. Research Institute, Univ. of Michigan, Ann Arbor, Mich.
- MICH.
 FRIEDBERG, MILTON R. (A'43-M'46-SM'51), Pres.,
 Antenna Specialist Co., 12435 Euclid Ave., Cleveland
 6, Ohio.

- FRIEDEL, JOHN E., JR. (S'5B-A'59), Sr. Field Operations Technician, Martin Co., Orlando, Fla.
 FRIEDENSOHN, GEORGE (A'56), Engr., Nuclear Development Corp. of America, 5 New St., White Plains, N.Y.
 FRIEDENTHAL, ANDREW (A'45-M'46), Chief Engr., WJR, The Goodwill Sta., Inc., 2200 Fisher Bldg., Detroit 2, Mich.
- Mich.

 FRIEDLAENDER, FRITZ J. (S'49-A'54), Assoc. Prof., Elec. Engrg., Purdue Univ., Lafayette, Ind.

 FILEDLAND, BERNARD (S'52-A'55-M'5B), Asst. Prof., Elec. Engrg., Columbia Univ., New York 27, N.Y.

 FRIEDLAND, IRWIN (M'59), Electronics Engr., Navy Training Device Center, Port Washington, L.I., N.Y.

 FRIEDLAND, MARVIN S. (S'40-A'42-SM'54), Pres., Instrument Corp. of Florida, Melbourne, Fla.

 FRIEDLAND, RUDOLPH J. (S'47-A'49-M'55), Research Engr., Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.

- FREDLANDER, ALBERT T. (M'52), Supvr., Project Support Group, Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
- Geloso Electronics, Inc., 251 4 Ave., New York 10, N.Y.

- N.Y.

 FRIEDLANDER, SAUL (A'55), Pathologist, Mercy Hospital, Sacramento, Calif.

 FRIEDLEIN, JOSEPH G. (S'55-M'5B), M/g. Trainee, GE Co., Broad St., Fitchburg, Mass.

 FRIEDMAN, ALAN L. (A'54), Tech. Dir., Dynamics Research Corp., 44 Winn St., Woburn, Mass.

 FRIEDMAN, ALFRED B. (A'47), Project Engr., Bell Tel. Co. of Pennsylvania, 201 Stamwix, Pittsburgh 22, Pa.

 FRIEDMAN, BERNARD L. (S'50-A'51-M'57), Exec. Asst. to V.P., (TEK Corp., Trapelo Rd., Waitham, Mass.)

 FRIEDMAN, DANIEL B. (S'55-M'59), Program Engr., GE Co., Schenectady, N.Y.

 FRIEDMAN, DAVID C. (A'54-M'59), Electronic Scientist, Natl. Bureau of Standards, Dept. of Commerce, Washington 25, D.C.

 FRIEDMAN, DAVID S. (S'50-A'51-M'56), Sr. Engr..
- RIEDMAN, DAVID S. (S'50-A'51-M'56), Sr. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md. FRIEDMAN, ELLIOT M. (S'55-M'59), Field Engrg., FAA, Federal Bidg., New York Internati. Airport, Jamaica, L.I., N.Y.
- FRIEDMAN, ELLIOTT D. (S'41-A'42-M'45-SM'51), Chief Electronics Engr., Taller & Cooper Div., American Electronics, Inc., 75 Front St., Brooklyn I., N.Y. FRIEDMAN, EUGENE H. (S'49-A'53-M'5B), Transmission Measurements Engr., CBS-TV, 4B5 Madison Ave., New York 22, N.Y.

- Measurements Engr., CBS-TV, 4B5 Madison Ave., New York 22, N.Y.

 FRIEDMAN, GERALD E. (S'55-M'57), 421 Nicholson St., N.W., Washington I.J. D.C.

 FRIEDMAN, HARRY (A'44-M'4B), Pres., Stotts-Friedman Co., 135 E. 2nd St., Dayton 2, Ohio.

 FRIEDMAN, HARRY (A'59), Avionics Engr., Grumman Aircraft Engr., Corp., Bethpage, L.I., N.Y.

 FRIEDMAN, HARRY (A'59), Avionics Engr., Grumman Aircraft Engr., Cay 150, V.P., Pioneer Bank & Trust Co., 401 Milam St., Shreveport, La.

 FRIEDMAN, HENBERT (A'45-M'45-M'55), Ister. RCA institutes, Inc., 350 W. 4 St., New York 11, N.Y.

 FRIEDMAN, HERBERT J. (S'51-A'53-M'57), Radar Sys tems Engr., GE Co., Syracuse 7, N.Y.

 FRIEDMAN, IRA (S'49-A'50-M'51), Project Engr., Fairchild Guided Missiles Div., Wyandanch, L.I., N.Y.

 FRIEDMAN, IRVING B. (A'48-M'55), Project Design Engr., Chicago Standard Transformer Co., 3501 W. Addison, Missiles Systems Div., Republic Aviation Corp., Mineola, L.I., N.Y.

 FRIEDMAN, IRWIN (S'53-A'54), Sr. Electronics Engr., Missiles Systems Div., Republic Aviation Corp., Mineola, L.I., N.Y.

 FRIEDMAN, JAMES A. (A'55), Engr., Sales Mgr., Wave-

- L.I., N.Y.

 FRIEDMAN, JAMES A. (A'55), Engr., Sales Mgr., Waveguide, Inc., 14B37 Oxnard St., Van Nuys, Calif.

 FRIEDMAN, JOSEPH (S'53-A'54), Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.

 FRIEDMAN, LOUIS (M'45), Quality Control Mgr., Polarad
 Electronics Corp., 43-20 34 St., Long Island City, N.Y.

 FRIEDMAN, MARTIN (A'42), Owner, Martin Friedman &
 Associates, 7 Heather Rd., Bala-Cymwyd, Pa.

 FRIEDMAN, MARICE (M'52), Mgr., Radlosonde Div.,
 Molded Insulation Co., 335 E. Price St., Philadelphia
 44, Pa.

- 44, Pa.
 FRIEDMAN, MELVIN (S'50-A'51-M'56), Chief Engr.,
 Hyberion, Inc., 1447 Washington St., West Newton, Mass.
 FRIEDMAN, MILES F. (S'51-A'54), Electronics Engr.,
 Hughes Aircraft Co., Box 5555, Tucson, Arlz.
 FRIEDMAN, MILTON I. (A'53), Pres., Englo Prods. Corp.,
 116 Dupont St., Johnstown, Pa.
 FRIEDMAN, OSCAR (A'47-M'55-SM'55), Asst. Chief
 Engr., Panoramic Radio Corp., 520 S. Fulton Ave., Mt.
 Vermon, N.V.

- Vernon, N.Y.

 FRIEDMAN, PERCY (S'56-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 FRIEDMAN, ROBERT (M'56), Project Engr., Kollsman Instrument Corn., BO-0B 45 Ave., Elmhurst 73, L.I., N.Y.

 FRIEDMAN, SAM (SM'5B), Pres., Advanced Electronics, Inc., 94 Silas Deane Hwy., Rocky Hill, Conn.

 FRIEDMAN, SAMEL N. (A'55), Engr., RCA, 75 Varick St., New York, N.Y.

 FRIEDMAN, STANLEY (S'50-A'52-M'56), Leader, Engrg., Systems Projects, RCA, Missile & Surface Radar Div., Moorestown, N.J.

- FRIEDMAN, STANLEY L. (M'56), Chief Engr., Electronic Research Associates, Inc., 67 Factory Pl., Cedar Grove, N.J.
- N.J.,
 FRIEDMAN, STANLEY N. (M'50), Mgr., Control Equipment
 Engra., Westinghouse Elec. Corp., Friendship Internati.
 Airport, Baltimore 3, Md.
 FRIEDMAN, THOMAS B. (A'46-M'46-SM'50), Sr. Staff
 Mem., Thompson-Ramo-Wooldridge Corp., Box 90534,
 Los Angeles 45, Calif.

- Los Angeles 45, Calif.

 FRIEDMAN, WILLIAM (4'57), Pres., Bogart Mfg. Corp.,
 315 Seigel St., Brooklyn, N.Y.

 FRIEDMANN, DONALD C. (4'51), Assoc. Engr., Westing-house Elec. Corp., Box 746, Baltimore 3, Md.

 FRIEDMANN, EDWARD (M'57), Electronics Engr.,
 Naval Ordnance Lab., Corona, Calif.

 FRIEDMANN, ETIENNE (4'5B), Foreman, Hydro-Quebec,
 Labrieville Nord., Saguenay, P.O., Canada.

- FRIEDRICH, JAMES M. (S'56-M'5B), Dev. Engr., Western Electric Co., Winston-Salem, N.C.
 FRIEDRICH, SIDNEY (M'57-SM'5B), Specialist Design Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y.
 FRIEDRICH, VICTOR L. (A'49-SM'56), Dir., Radar Div., U.S. Amy Signal Research & Development Lab., Ft.

- Monmouth, N.J.

 FRIEDRICHS, GEORGE (M'55), Compagnie Genl. de Metrologie, Amecy, France.

 FRIEDRICHS, JEROME P. (S'52-A'53-M'58), Engr.,
 Collins Radio Co., Cedar Ranids, Inwa

 FRIEL, FRED J., JR. (S'32-A'35-VA'39), 4910 Deal

 Dr., Washington, D.C.

 FRIELING, EDWARD (S'48-A'52-M'57), Specialist
 Systems Analyst, GE Co., Syracuse, N.V.

 FRIELINGHAUS, KLAUS H. (S'53-A'55), Research Engr.,
 N.Y.

 FRIELINGHAUS, KLAUS H. (S'53-A'55), Research Engr.,
 N.Y.

- Geni. Railway Signal Co., Bol West Ave., Rochester, N.Y.

 FRIEND, ALBERT W. (A'34-M'39-SM'43-F'54), Consulting Engr. & Physicists Tech. Consultant, Drawer #29, Bala-Cvmwyd, Pa.

 FRIEND, HALTON H. (A'28-M'3B-SM'43), Asst. to Pres., Amold Engr. Co., Marengo, III.

 FRIEND, HAROLD C. (S'52-A'54-SM'59), Instr., Dept. of Elec. Engro., U.S. Military Academy, West Point, N.Y.

 FRIEND, JARRETT G. (SM'55), Reliability Asst. Supvr., Quality Control Dept., Convair-Pomona, Pomona, Calif. FRIEND, PHILIP A. (S'57-M'59), Research Asst., viv., Sponsored Research Staff, MIT, Cambridge 39, Mass.

 FRIERDICH, WALDO J. (S'48-A'51-M'56), Sr. Dev. Engr., Universal Match Corp., 4407 Cook Ave., St. Louis 13, Mo. FRIESSER, JULIUS M. (S'48-A'49-M'55), Electronics Group Engr., The Martin Co., Baltimore 3, Md.

 FRIEST, DAVID T. (M'59), Assoc. Engr., IBM Research Lab., Monterey & Cottle Sts., San Jose, Calif.

 FRIGERIO, NORMAN A. (A'54), Asst. Biophysicist, Argonne Natl. Lab., Box 299, Lemont, III.

 FRIHART, H. NEIL (M'44), Chief Engr., Advanced TV Dev., Motorola, Inc., 4545 W. Augusta Bivd., Chicago 51, III.

 FRIST, BORERT W. (A'34-M'40-SM'43), Systems Dev. Engr., Bell Tel Labs., 1600 Osgood St., Morth Andover, Mass.

 FRILOT, RONALD J. (A'55), Electronics Technician, Libra-

- Mass.
 FRILOT, RONALD J. (A'55), Electronics Technician, Librascope, Inc., BOB Western, Glendale 1, Calif.
 FRIMET, STANLEY H. (5'54-A'55), Engr., Genl. Applied Science Labs., Inc., 59 Hempstead Gardens Dr., Hempstead, L.I., N.Y.
 FRIMTZIS, ROBERT (S'55-M'57), System Design Engr., Emerson Radio & Phonograph Corp., 14 & Cole Sts., Jersey City 2, N.J.
- FRINCKE, PAUL O. (A'32-M'47), Mgr., Service Engrg. Dept., Ampex Corp., 934 Charter St., Redwood City, Calif.
- Calif.
 FRINK, FREDERICK W. (A'29-SM'45), Group Head, Hughes
 Aircraft Co., Culver City, Calif.
 FRIREE, FRANK L. (A'45-M'55), TV Technician, Westing-house Broadcasting Co., WBZ-TV, 1170 Soldiers Field
 Rd., Boston 34, Mass.
- FRISBEE, FRANK W., JR. (A'57), Equipment Specialist, Electronics, U.S. Army Ballistic Missile Agency, Red-stone Arsenal, Huntsville, Ala.
- FRISBIE, FRANK L. (S'57-M'59), Electronics Engr., FAA, Federal Bidg., New York Internati. Airport, Jamaica 30, L.1.
 N.Y.
- N.Y.

 FRISBY, WAYNE L. (M'57), Elec. Design Engr., GE Co.,
 Lakeside Ave., Burlington, Vt.

 FRISCH, FRANK W. (S'44-A'49-M'55), Dev. Engr., ITT
 Labs., Nutley 10, N.

 FRISCH, IRVING J. (M'5B), Consultant, Tech. Editor, Electronic Engrs. Master, 60 Madison Ave., Hempstead, L.I.,
 N.Y.

- tronic Engrs. Master, 60 Madison Ave., Hempstead, L.I., N.Y.

 FRISCH, J. ADAM (A'56), Owner, J. Adam Frisch Television, 280 George St., New Brunswick, N.J.

 FRISCHE, CARL A. (SM'54-F'57), Pres, Sperry Gyroscope Co., Great Neck, I.I., N.Y.

 FRISHAUF, STEPHEN H. (M'52), Patent Atty., Internatl. GE Co., 150 E. 42 St., New York 17, N.Y.

 FRISHMAM, MARVIN A. (M'58), Mathematician, U, S. Army Ordnance Corps, Redstone Arsenal, Ala.

 FRISTENSKY, CHARLES A. (S'4B-A'49-M'55), Project Mgr., Eclipse-Ploneer Div., Bendix Aviation Corp., Teterboro, N.J.

 FRISTOE, HAROLD (S'41-M'47-SM'50), Prof., Elec. Engr., Oklahoma State Univ., Stillwater, Okla.

 FRISWOLD, FRANK A. (A'43-M'55), Aero Research Scientist, Natl. Advisory Comm., Aeronautics, Cleveland, Ohio.

 FRITCH, DONALD J. (S'50-A'51-SM'56), Electronics Engr., Lesselfs & Associates, Inc., 916 Commonwealth Ave.,

 FRITCHLE, FRANK P. (A'51-M'56), Supvr. of Equipment
- DOSION 15, Mass.
 FRITCHLE, FRANK P. (A'51-M'56), Supvr. of Equipment
 Design, Helipot Corp., Box 45B, Newport Beach, Calif.
 FRITH, LEWIS O. (M'5B), Genl. Supvr., Communications,
 Research & Dev. Labs., Hughes Aircraft Co., Culver City,
 Calif.
- Research & Dev. Labs., Hughes Aircraft Co., Culver City, Calir.

 FRITSCH, PETER C. (M'55), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 FRITSCHE, ADOLF J. (A'53), Project Engr., Dictograph prods., Inc., 95-25 149 St., Jamaica 35, L.I., N.Y.

 FRITSCHEL, E. H. (A'40-SM'46), Mgr., Govt. Relations, GE Co., 316 E. 9 St., Owensborn, Ky.

 FRITSCHEL, PAUL G. (S'36-A'37), Mgr., Prod. Service, HMED, GE Co., Syracuse, N.Y.

 FRITSCHEL, WALTER W. (SM'5B), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 FRITSCH, WALTER W. (SM'5B), Lectronics Engr., Litton industries inc., 336 N. Foothill, Beverly Hills, Calif.

 FRITZ, ARTHUR D. (S'57-A'5B), Logical Design Engr., Natl. Cash Register Co., Main St., Dayton 9, Ohio.

 FRITZ, CHARLES H. (A'52-M'57), Sales Engrs. Mgr., G-L Electronics Co., Inc., 2921 Admiral Wilson Blvd., Canden, N.J.

 FRITZ, CLARENCE F. (A'55), Mgr. of Quality Control &

- FRITZ, CLARENCE F. (A'55), Mgr. of Quality Control & Inspection, Speer Carbon Co. & Divs., Theresia St., St. Marys, Pa.
- FRITZ, CONRAD B. (A'52-M'56), Chief Engr., The Transvox Corp., 4 E. 43 St., New York 17, N.Y.

- FRITZ, EDWARD W. (A'56), Application Engr., Louis Allis Co., 427 E. Stewart, Milwaukee, Wis. FRITZ, ELLIOT L. (A'54), Dev. Engr., IBM, Poughkeepsie,

- N.Y.
 FRITZ, FREDERICK J. (S'55-M'5B), Design Engr., IBM, Kingston, N.Y.
 FRITZ, HENRY U. (M'54), Sr. Engr., Sylvania Elec.
 Prods., Inc., Emporium, Pa.
 FRITZ, MALCOLM G. (S'56-M'57), Electronics Engr., U.S. Amy Signal Research & Development Lab., Ft.
 Monmouth, N.J.
- Mommouth, N.J.

 FRITS, WALTER (A'51-M'5B), Sales Engr., Sarkes Tarzian, Inc., E. Hillside Dr., Bloomington, Ind.

 FRITZ, WILLIAM B. (A'56), Research Engr., AMP, Inc., 2100 Paxton St., Harrisburg, Pa.

 FRITZE, EDGAR H. (S'4B-A'50-M'53-SM'59), Div. Dir., Engro. & Research, Collins Radio Co., Cedar Rapids, Iowa.
- lowa.

 FRIZ, WALTER (A'5B), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 FRIZZELL, CLARENCE E. (A'51-SM'57), Asst. Genl. Mgr., IBM, San Jose, Calif.

 FRIZZELL, JAMES H. (S'54-M'56), Assoc. Engr., IBM, Airborne Computer Lab., Owego, N.Y.

 FRIZZELL, ORIS E. (M'5B), 4509 Landgreen St., Rock-ville, Md.
- PROBESE, CHARLES W. (S'4B-A'50-M'53), Head, Prod. Dev., Mandrel Industries, Inc., 5134 Glenmont Dr., Houston, Tex.
- FROEHLICH, CECILIE (A'49-SM'55), Prof., Elec. Engr., City College of New York, New York 31, N.Y. FROEHLIG, GUY M. (S'55-M'57), Genl. Mgr., Modern Album of California, Inc., 3116 Van Owen St., Burbank,
- FROEHNER, DELMAR A. (A'56), Maint, Technician, Hq. AMC, Wright-Patterson AFB, Ohio, FROELICH, RONALD W. (S'56-M'57), Mem. Tech. Staff, Space Technology Labs. Corp., Box 95001, Los Angeles Space Tec 45. Calif
- 45, Calif.

 FROESCHLE, EDWARD J., JR. (M'56), Electronics Systems Engr., Boeing Airplane Co., Box 3707, Seattle 24, Wash.

 FROESSEL, CHARLES H. (M'57), Research Engr., Stanford Research Institute, 4000 Mt. Lee Dr., Hollywood, Calif.

 FROEGATT, JOHN W., JR. (A'53-M'59), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 FROEGE, WILLIAM F. (S'49-A'54), Sr. Engr., AT&T Co., B11 Main St., Kansac City, Mo.

 FROHBACH, HUGH F. (S'47-A'49-M'55), Design Engr., Reminston Rand Univac, 1902 W. Minnehaha, St. Paul,

- Minn.

 FROHLICH, ARTHUR J. (A'47-M'55), Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 FROHMAN, KENNETH D. (S'57-M'5B), Tech. Program Training, Engrg., Marine Radar Dev., GE Co., Syracuse, N.Y.

 FROHMAN, ROBERT (M'56), Research Specialist, Lockheed Missiles & Space Div., Sunnyvale, Calif.

 FROHCK, WARREN S. (M'57), Engrg. Specialist, CBS-Hydron, Endicott St., Danvers, Mass.

 FROKE, LESTER C. (A'4B), Chief Engr., KELO & KELO-TV, Midcontinent Broadcasting Co., B & Phillips, Sloux Falls, S.D.

 FROM, WILLIAM H. (M'57), Canada St. Canada S

- FROM, WILLIAM H. (M'57), Group Leader, Raytheon Mfg. Co., Wayland, Mass.
- FROMAGEOT, ANTOINE P. A. (SM'47), Tech. Dir., Lignes Telegraphiques et Telephoniques, Conflans Ste. Honorine, Seine et Oise, France.
- Seine et Ulse, France.
 FROMAN, JAY (SM'55), Physicist, Office of Naval Research, 1000 Geary St., San Francisco 9, Calif.
 FROMANGER, ARMAND L. (4'99-M'53), Sales Engr.,
 Syntron (Canada), Ltd., 92B Queenston Rd., Stoney
 Creek, Ont., Canada.

- Creek, Ont., Canada.
 FROME, MELVIN K. (5'57-M'5B), Engr. in Electronics Dept., Aircraft Armaments, Inc., Cockeysville, Md.
 FROMELL, HARRY J. (5'51-A'53-SM'57), Sr. Elec. Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.
 FROMER, MORTON (5'4B-A'50-M'56), Engr., RCA, Microwave Div., Harrison, N.J.
 FROMM, KENNETH N. (M'45), Dept. Mgr., Crosley Div., Avoco Mfg. Co., 1429 Arinoton St., Cincinnati 25, Ohio.
 FROMM, WINFIELD E. (A'41-M'44-SM'50), Project Dir., Airborne Instrument Lab., 160 Old Country Rd., Mineola, L.I., N.Y.
 FROMMER, JOSEPH C. (A'44-SM'49), Electronics Consulting Engr., 1525 Teakwood Ave., Cincinnati 24, Ohio.

- Ohio.

 FROSCH, ALEX (A'46-M'56), Geophysical Research, Humble Oil & Refining Co., Box 2180, Houston 1, Tex.

 FROSCH, JAMES A. (S'54-M'57), Elec. Engr., RCA, Moorestown, N.J.

 FROSOLONE, ANGELO (A'53-M'56), Missile Test Engr., Naval Ordnance inspector, Box 504, Sunnyvale, Calif.

 FROST, ALBERT D. (S'45-A'52-M'57)-SM'57), Assoc. Prof., Dept., Elec. Engrg., Univ of New Hampshire, Durham, N.H.
- FROST, CECIL R. (M'57), Design Engr., RCA, Moorestown,
- FROST, DAVID F. (S'55-M'5B), Elec. Design Engr., R.D. Brew & Co., Inc., Airport Rd., Concord, N.H. FROST, EDWARD L. (S'51-A'52-M'57), Bendix Aviation Corp., Vor., Pa.
- Corp., York, Pa.

 FROST, FRANCIS K. (A'50), Field Engr., Tektronix Inc., 116B1 San Vicente Blvd., W. Los Angeles 49, Calif.
- Calif.
 FROST, HAROLD B. (S'4B-A'54-M'54), Mem. Tech.
 Staff, Bell Tel. Labs., Murray HIII, N.J.
 FROST, JOHN W. (S'54-M'57), Electronics Engr.,
 Convair-Astronautics, San Diego, Calif.
 FROST, RANDOLPH R. (S'51-A'52-M'56), Dev. Engr.,
 GE CO., Syracuse, N.Y.
- FROST, ROBERT D. (M'57), 1303 Campus Pkwy., Seattle 5, Wash.
- 5, Wash,
 FROST, SEYMOUR (M'52), Mgr., Mfg., Control, Reeves
 Instrument Corp., Zeckendorf Bldg., Roosevelt Field,
 Garden City, L.I., N.Y.
 FROST, WALTER O. (S'51-A'52-M'56-SM'58), Research
 Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala.
 FRUCHTER, CHARLES L. (S'47-M'51-M'56), Dev.
 Engr., ITT Labs., Nutley 10, N.J.

FRU-FUN - 179 -

- FRUCI, NATALE A. (S'55-M'56), Elec. Engrg., IBM,

- FRUCI, NATALE A. (S'55-M'56), Elec. Engrg., IBM, Endicott, N.Y.
 FRUEHAUF, MILTON C. (M'57-SM'59), Engr., AT&T Co., 195 Broadway, New York 7, N.Y.
 FRUHNER, ERNEST T. (SM'55), Systems Engr., AT&T Co., 1DD William St., New York 38, N.Y.
 FRUIN, ROBERT J. (M'59), Quality Control Engr., GE Co., 1103 N. Central Ave., Phoenix, Ariz.
 FRUM, ALEXANDER (A'45), Sr. Engr., RCA, 75 Varick St., New York, N.Y.

- RUM, ALEAANUER, Va. 43), Sr. Engr., RCA, 75 varick St., New York, N.Y.

 FRUNDT, HANS-JOACHIM H. W. (SM'57), Head, Engrg. Deat, Mobile Equipment, Telefunken GmbH, Elisabethenstr. 3, Ulm, Donau, West Germany.

 FRUSHER, ROBERT J. (M'57), Asst. Design Engr., Radio Valve Co., 189 Dufferin St., Toronto, Ont., Canada.

 FRUSZTAJER, BRONISLAW B. (M'56), V.P., Crystalonics, Inc., 249 5 St., Cambridge 42, Mass.

 FRUTH, HAL F. (SM'44), Pres., Owner, Consultant & Physicist, Hal Fruth Associates, 5D32 W. Morse, Skokie, Ill.

 FRUTIGER, WILLIAM A. (S'53-M'57), Microwave Dev. Engr., Sylvania Elec. Prods., Inc., Williamsport, Pa.

 FRY, BYRON L. (A'55), Administrative Staff, System Development Corp., 2500 Colorado, Santa Monica, Calif.

 FRY, DONALD W. (A'37-M'58), Dir., Atomic Energy Est., United Kingdom Atomic Energy Authority, Winfrith, Dorset., England.

 FRY, OWAYNE R. (SM'58), 3113 Gen. Chenault, N.E.,

- England.

 FRY, DWAYNE R. (SM'58), 3113 Gen. Chenault, N.E., Albuquerque, N. M.

 FRY, LAUREL D. (M'57), Prod. Engrg., Leader Circuit Design, 60D Main St., Johnson City, N.Y.

 FRY, LAWRENCE D. (A'58), Supt., Communications, The Kansas City 5, Mo.

 FRY, LOWELL T. (S157-A158). Electropic Technicism, SRY, LOWELL T. (S157-A158). Electropic Technicism
- FRY, LOWELL T. (S'57-A'58), Electronics Technician, Melpar, Inc., 2610 Jefferson Davis Hwy., Alexandria,

- Melpar, Inc., 2610 Jefferson Davis Hwy., Alexandria, Va.

 FRY, WILLIAM E. (A'52), Owner, Sales, FRYCO, 355 N. Scottsdale Rd., Scottsdale, Ariz. FRY, WILLIAM H. (S'46-A'50-M'55), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 FRY, WILLIAM J. (A'42-M'55), Research Prof. & Head, Biophysical Research Lab., Univ. of Illinois, Urbana, III. FRYE, EUGENE O. (M'57), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 FRYE, GEDRGE J. (S'53-M'55), Sr. Electronics Engr., Univ. of Kansas Research Foundation, Lawrence, Kan. FRYE, JAMES W. (S'58-A'58), Elec. Tester & Analyser, Webcor, Inc., 816 N. Kedsie Ave., Chicago, III.

 FRYER, RICHARD B. (S'56-M'57), Design Engr., Minneapolis-Honeywell Regulator Co., 13350 U.S. Hwy. 19, St. Petersburg, Fla.

 FRYER, WARREN R. (M'56), Dev. Engr., Monroe Calculating Machine Co., Inc., 555 Mitchell St., Orange, N.J. FRYER, WARREN R. (M'56), Dev. Engr., Monroe Calculating Machine Co., Inc., 555 Mitchell St., Orange, N.J. FRYER, WILLIAM D. (A'51-M'56), Physicist, Cornell Aeronautical Labs., 4455 Genesee St., Buffalo 25, N.Y. FRYLING, C. VICTOR (M'56), Sales Mgr., Elec. Alloy Steels, Allegheny Ludlum Steel Corp., 2020 Oliver Bldg., Pittsburgh 22, Pa.

 FRYLING, JOHN L. (M'58), Sales Engr., Applied Science Corp. of Pripreton. Roy 40 Pripreton.
- Pittsburgh 22, Pa.

 FRYLING, JOHN L. (M'58), Sales Engr., Applied Science Corp. of Princeton, Box 44, Princeton, N.J.

 FRYNCKO, PETER (S'47-A'48-M'55), Clec. Engr., Oxford, Conn.

 FRYSINGER, EDWARD B. (M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 FTACEK, JOHN J. (A'49), Research & Dev., James Knights Co., Sandwich, III.

 FU, CHING M. (S'49-A'52-M'58), Sr. Engr., ITT Labs., Nutley 1D, N.J.

 FU, KING-SUN (S'56-M'58), 301 E. E. Research Lab., Unity. of Illinois, Urbana, III.

 FIRNIN EIGENE G. (A'36-SM'46-F'54), Dir., Research

- UNIV. OI IIINDIS, UTDANA, III. FUBINI, EUGENE G. (A'36-SM'46-F'54), Dir., Research & Engra. Div., Alrborne Instrument Lab., Inc., Mineola, L.I., N.Y.
- L.I., N.Y.

 FUBINI, SIMONE B. (A'57), Dev. Engr., Olivetti Ing. C., Via del Parlamento 33, Borgo Lombardo, Milano, Italy.

 FUCCI, EUGENE A. (A'54), Capt., Staff Electronics Officer, Hors., Air Research & Development Command, USAF, Baltimore, Md.

 FUCCI, SALVATORE (A'4B-SM'54), Sr. Group Research Engr., Republic Aviation Corp., Conklin St., Farmingdale, L.I., N.Y.

- FUCHIEK, ROBERT J. (S'49-A'52-M'57), Mgr., Advanced Engrg., Link Aviation, Inc., Hillcrest, Binghamton, N.Y. FUCHIKAMI, ANDREW H. (A'50), Co-Owner, Radio Wholesale & Supply Co., Box 376B, Honolulu 11, Hawaii. FUCHS, ABRAHAM M. (S'50-A'51-M'56), Sect. Engr., Boonshast & Fuchs, Inc., 994 Byberry Rd., Huntingdon Valley, Pa.
- Valley, Pa.
 FUCHS, ALEXANDER (A'53-M'55), Sr. Research Engr.,
 Scientific Dept., Ministry of Defense, Box 7063 Hakirya,
 Tel-Aviv, Israel.
 FUCHS, HARRY B. (A'55), Pres., Dir., Dev., Harry
 Fuchs Impulse Motor Servomechanisms, 114 E. 28 St.,
 New York 16, N.Y.
- New York 16, N.Y.

 FUCHS, MAX J. (M'57), Field Engr., Philoc Corp., Tech
 Rep. Div., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 FUCHS, WILLIAM C. (M'58), Head, Tech Sect., Air

 Traffic Control & Air Navigational Aids, USN, Chief of
 Naval Operations, Flight Services Div. The Pentagon,
 Washington 25, D.C.

 FUCILE, FRANK B. (5'49-A'50-M'55), Apparatus Engr.,
 Southern California Edison Co., 601 W. 5 St., Los

 Angeles, Calif.

- SOURITH CATIONTIA Edison Co., 601 W. 5 St., Los Angeles, Calif.

 FUEGEL, ERIC F. (SM'57), Dev. Engr., IBM, Poughkeepsis, N.Y.

 FUELLING, PAUL W. (A'41-M'55), Owner, Paul W. Fuelling TV & Radio Repair Service, Locust Dr., Mastic Beach, L.I., N.Y.

 FUERST, LESLIE L. (SM'55), Chief Elec., Ingenierla Electromacanica, C.A., Ave., Urdaneta, Caracas, Venezuela.

 FUERST, ROBERT J. (S'48-A'50-M'55), Electronics Engr., USAF, Hors., Airways & Air Communications System, Scott AFB, Belleville, III.

 FUGATE, KENNY O. (A'53-M'58), Project Engr., Giffillan Bros., Inc., 1815 Venice Bivd., Los Angeles 6, Calif.

 FUGAZI, CARLO (S'48-A'50-M'55), Group Suave.
- FUGAZZI, CARLO (S'48-A'50-M'55), Group Supvr., American Bosch Arma Corp., Garden City, L.I., N.Y.

- FUGERE, DONALD G, (S'56-M'58), Design Engr., IBM, Kingston, N.Y.
 FUGLESTAD, KENNETH R. (S'52-A'53-M'58), Elec. Engr., Admiral Corp., 380D Cortland St., Chicago 47, III.
 FUHR, WILLIAM H. (S'51-A'54), Asst. Project Engr., Melpar, Inc., 30D0 Arlington Blvd., Falls Church, Va.
 FUHRER, DAVID L. (S'54-M'56), Research & Dev., Convair-Astronautics, Box 1128, San Diego 12, Calif.
 FUHRMAN, THOMAS A. (S'53-A'55), Mem. Tech. Staff, Space Technology Labs., Box 950D1, Los Angeles 45, Calif.

- Calli,
 FUHRMEISTER, PAUL F. (A'46-M'55), Chief, Instrument Research Div., Natl. Aeronautics & Space Administration, Langley Field, Va.
 FUJII, TADAKUNI (S'52-A'53-M'58-SM'58), Engr., Research Lab., Nipon Electric Co., Ltd., 1753
 Tamagawa-mukai, Shimo-numabe, Kawasaki, Japan.
 FUJII, TAMEO (A'56), Opr., Kyoritu Electric Works,
 Ltd., 551 Koenii, 4 Chome, Suginamiku, Tokyo, Japan.
 FUJII, WESLEY M. (S'51-A'52-M'58), Electronics Engr.,
 Amnex Corp., 934 Charter St., Redwood City, Calif.
 FUJIKI, SAKAE (A'53-M'53), Chief Data Coordination
 Set., Radio Research Labs., Ministry of Postal Services,
 Kobubunji, Tokyo, Japan.
- FUJIMOTO, AKIRA (M'58), Elec. Engr., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia 29, Pa.

- Kobubunii, Tokyo, Japan.

 FUJIMOTO, AKIRA (M'58), Elec. Engr., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia 29, Pa.

 FUJIMOTO, BEN (S'58-M'59), 2647 Halldale Ave., Los Angeles 18, Calif.

 FUJIMOTO, JOSU (S'57-M'58), Engr., Addressograph-Multigraf Corp., 444 N. Wabash Ave., Chicago 11, III.

 FUJIMOTO, JOSUI (S'57-M'58), Engr., Northrop Aircraft, Inc., Hawthorne, Calif.

 FUJIMOTO, JOSUI (S'57-M'58), Engr., RCA, 11817 Olympic Blvd., Los Anneles. Calif.

 FUJIMOTO, KAY K. (A'49), Engr., RCA, 11817 Olympic Blvd., Los Anneles. Calif.

 FUJIMOTO, MASATO (A'55), Engr., R.O. Roberts Co., Inc., 9943 S. Greenleaf, Whittier, Calif.

 FUJIMOTO, MASATO (A'55), Engr., R.O. Roberts Co., Inc., 9943 S. Greenleaf, Whittier, Calif.

 FUJIMOTO, YOSHIAKI (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 FUJIMOTO, YOSHIAKI (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 FUJIMOTO, YOSHIAKI (M'58), Mem. Tech. Staff, Hughes Aircraft Awaii.

 FUJISTUBD, WILLIAM S. (S'55-M'59), 11911 Beatrice St., Culver City, Calif.

 FUKATA, MASAO (M'57), Mng. Dir., Kokusai Electric Co., Ltd., 150 Izumi Komae-machi, Kitatamagun, Tokyo, Japan.

 FUKS, ALEXANDRE (A'54), Ingenleur en chef, Etude-S.O.P.E.D., 17 Rue Mawrice Mayer, Paris 13, France.

 FUKUDA, SAMUEL I, C'553-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 FUKUSHI, AKIRA (A'57), Shimada Physical & Chemical Industrial Co., 17 Fujimi-Cho, Nakanoku, Tokyo, Japan.

 FULCHER, JACK A. (S'53-A'54), Systems Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 FULENWIDER, JOHNE S. (S'53-A'56, M'57), Lecturer, Univ. of Western Ontario, London, Ont., Canada.

 FULCHER, JACK A. (S'53-A'56, M'57), Lecturer, Univ. of Western Ontario, London, Ont., Canada.

 FULCHER, ONTARAS E. (M'57), Training Instr., U.S. Army, AA&GM Branch TAS, Ft. Bliss, Tex.

 FULLEN, MUB BIB E. (M'57), Staff Engr., Wriss ile Guidance

- FULLEN, ROY E. (A'52), Chief Engr., WTVD, 1750 Broad St., Durham, N.C.
- FULLEM, WILBUR E. (M'57), Staff Engr., Missile Guidance Group, Applied Physics Lab., The Johns Hopkins Univ., Silver Foring. Md.
- Group, Appried Physics Lab., The Johns Hopkins Univ., Silver Shring. Md. FULLER, BRANDON K. (S'50-A'52-M'57), Aeronautical Design Engr., Fairchild Aircraft, Hagerstown, Md. FULLER, CHARLES A. (A'47), Electronics Engr., McCullough Tool Co., 5820 S. Alameda, Los Angeles 5B, Calif. FULLER, CHARLES L. (S'55-M'57), Elec. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- Aviation Copp., 17000 Similar May, Newmarket, Calif.

 FULLER, DENNIS Q. (M'58), Dir., Engrg. Newmarket Transistors, Ltd., Exming Rd., Newmarket, England.

 FULLER, EDWARD J. (A'54-M'59), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 FULLER, GEORGE L. (A'58), Lab. Technician, Heath Co., Benton Harbor, Mich.

 FULLER, GERALD R. (A'50), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 FULLER, HARRISON W. (M'56), Mgr., Applied Physics Group, Computer Prok. Dir., Lab. for Electronics, Inc., 1079 Commonwealth Ave., Boston, Mass.

 FULLER, HENRY P., MR. (S'53-M'57), Elec. Engr., Sperry Piedmont Co., Rte. 29 & Hydraulic Rd., Charlottes-ville, Na.

- Sperry Piedmont Co., Rte. 29 & Hydraulic Rd., Charlottesville, Va.

 FULLER, HOYT H. (A'57), Sr. Technician, Electronic Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 FULLER, ISAAC W., JR. (A'45-M'55), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 FULLER, J. BRADLEY, JR. (S'56-M'57), Airborne Fire Control Engr., RCA, Camden 2, N.J.

 FULLER, KENDALL K. (M'59), Tube Engr., GE Microwave Lab., 601 California Ave., Palo Alto, Calif.

 FULLER, KENDETH H. (M'56), TWT Prod. Engr., Sperry Electron Tube Div., Sperry-Rand Corp., Gainesville, Fla.

 FULLER, LAWRENCE C., JR. (A'48-M'55), Mfrs. Rep., 32 Ritehnbuse Pl., Ardmore, Pa.

 FULLER, LELAND E. (A'57), Tech. Asst., Electric Auto Lite Co., 511 Hamilton St., Toledo, Ohio.

 FULLER, LEONARD F. (A'14-M'14-F'25)(L), Retired, 2345 Waverley St., Palo Alto, Calif.

 FULLER, MORELL M., JR. (M'59), Field Engr., Western Electric Co., Winston-Salem, N.C.

 FULLER, RAY C. (M'56), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 FULLER, RICHARD H. (S'54-A'55), Head, Instrumentation & Control Sect., Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.

 FULLER, ROBERT E. (A'56), Electronic Engrq. Aide, Bendix Aviation, 11600 Sherman Way, North Hollywood, Calif.

- FULLER, ROBERT J. (S'57-M'59), Sr. Engr., Philco Corp., Palo Alto, Calif. FULLER, ROBERT S. (M'56), 1914 Bellevue Rd., Harrisburg, Pa.

- FULLER, ROBERT S. (M'56), 1914 Bellevue Rd.,
 Harrisburg, Pa.

 FULLER, ROBERT S. (M'56), 1914 Bellevue Rd.,
 Harrisburg, Pa.

 FULLER, ROGER L. (S'57-M'59), Elec. Engr., RCA,
 Burlington, Mass.

 FULLER, THOMAS D. (S'46-A'49-M'56), Mktg. Mgr.,
 Sylvania Elec. Prods., Inc., Mountain View, Calif.
 FULLER, W. DALE (M'47-SM'54), Staff Sclentist, Missile
 & Space Div., Lockheed Aircraft, Palo Alto, Calif.
 FULLER, W. LLLIAM C., JR. (S'56-M'58), Asst. Project
 Engr., Bendix Radio, Towson 4, Md.

 FULLERTON, ALBERT L., JR. (M'5-SM'57), Mem.
 Tech. Planning Staff, Research Debt., Melpar, Inc.,
 43 Leon St., Boston 15, Mass.
 FULLERTON, GEORGE R. (S'54-M'57), U. S., Army, Advanced Officer's Course, U. S. Army Signal Corps School,
 FI. Monmouth, N. J.

 FULLERTON, PHILIP L. (M'59), Sales Engr., Sylvania
 Elec. Prods., Inc., Melrose Park, Ill.
 FULLERTON, RALPH W. (SM'56), Industrial Accounts Mgr.,
 Writing & Advertising, Inc., 87 S. Euclid Ave., Pasadena,
 Calif.

 FULLERTON, WILLIAM T. (S'56 M'58), Flectonics Face

- Calif.

 FULLERTON, WILLIAM T. (S'56 M'58), Electronics Engr.,
 Genl. Telephone Labs., Inc., Northlake, Ill.

 FULLI ERO, RAYMOND (A/54), Pres., Bond Radio Supply,
 439 W. Main St., Waterbury 2, Conn.

 FULLILOVE, MARGARET N. (M'58), Engr., Melpar, Inc.,
 3000 Arlington Blvd., Falls Church, Va.

 FULLINGTON, HARRISON J. (S'54-A'55), Engr. Aide, Bendix Aviation Corn., Teterboro. N. 1

- 3000 Arlington Blvd., Falls Church, Va.
 FULLINGTON, HARRISON J. (S'54-A'55), Engr. Aide, Bendix Aviation Corp., Teterboron, N.J.
 FULLMER, MERLIN D. (S'56-M'59), 4522 Grand Ave., La Canada, Calif.
 FULLWILER, FLOYD K. (S'48-A'51-M'56), 948 Ashland Ave., St. Paul 4, Minn.
 FULMER, RICHARD F. (A'59), Instrument Technician, Lockheed Missi le System Div., Santa Cruz, Calif.
 FULMER, ROBERT J. (S'55-M'56), Mem. Tech. Staff, Bell Tell. Labs., Murray Hill, N.J.
 FULMER, JOHN W. (A'33-VA'39-M'55), U.L. Liaison Engr., RCA Victor, TV Div., Camden 8, N.J.
 FULMER, NORMAN C. (S'42-A'44-M'49), Patent Atty., GE Co., 1285 Boston Ave., Bridgeport, Conn.
 FULMIS, MIKE J. (S'55), Tech. Test Engr., Columbia Pictures, 1438 N. Gower, Hollwood, Calif.
 FULP, WILLIAM M. (S'57-M'59), Test Planning Engr., Western Electric Co., 3300 Lexington Rd., Winston-Salem, N.C.
 FULPER, RICHARD, JR. (M'56). Flectenies Scientis No.
- N. C.
 FULPER, RICHARD, JR. (M'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C.
 FULROTH, WALTER H. (M'57), Engrg. Editor, RCA Service Co., Camden B, N.J.
 FULTON, ALBERT S. (A'47-M'55), Sr. Staff Mem., Thompson-Ramo-Wooldridge, Inc., 5500 W. El Segundo Blvd., Hawthorne, Calif.
- Hawthorne, Calif.

 FULTON, CLARE K. (S'59), Program Sales Engr., GE Co.,
 Syracuse, N.Y.

 FULTON, DAVE A. (M'57), Electronics Technician, Municipal
 Light & Power Co., City of Anchorage, Alaska.

 FULTON, FORREST F., JR. (S'49-A'51-M'56), Sr. Scientist, Lockheed Missile Systems Div., 3251 Hanover St.,
 Palo Alto, Calif.

- Palo Alto, Calif.

 FULTON, LANGDON H. (A'57), Engr., RCA. Camden, N. J. FULTON, LANGDON H. (A'57), Engr., RCA. Camden, N. J. FULTON, LUTHER G. (S'54-A'55), Mem. Tech. Staff, RCA, Burlington, Mass.

 FULTON, OLIVER H., JR. (M'51), Dir., Program Research, Genl. Oynamics Corp., 445 Park Ave., New York 22, N.Y.

 FULTON, ROBERT O. (A'56), Supvr., Aeroelastic Measurements, GE. Co., 1000 Western Ave., Lynn 3, Mass.

 FULTON, WILLIAM L. (S'47-A'49-M'55), Electronics Engr., Devices Branch, USAF, Wright-Patterson AFB, Ohio.

 FULTZ, KENNETHE. (A'55), Mem. Tech. Staff, Bell Tel.

 Labs., Murray Hill, N.J.

 FULWILER, ROBERT J. (A'49), Radio Supvr., City of Waco, Waco, Tex.

- Waco, Tex.
 FUNARI, BENJAMIN (S'55-M'5B), Research Engr., Industria
 Nacional de Electronica e Comunicacoes, Missionarios 44,
 Santo Amaro, Sao Paulo, Brazil.
 The Padio Receiver Re-

- Santo Amaro, Sao Paulo, Brazil.

 FUNCH, OLE (S'56-A'57), Engr., The Radio Receiver Research Lab., The Academy of Tech. Sciences, Oestervoldgade 10, OPG. G., Copenhagen, K., Denmark.

 FUNCK, EDWARD V. (S'55-M'56), Engr., Western Electric Co., 220 Church St., New York, N.Y.

 FUNCK, HEINX E. (A'58), Asst. to Tech. Pres., Blaupunkt-Werke Gmbh., Hildesheim, Germany.

 FUND, JAMES L. (S'53-A'54), Contract Engr., RCA Service Co., Signal Div., V. S., Army Procurement Center, APO 757, New York, N.Y.

 FUND, STANLEY R. (A'32-VA'39-SM'48), Engr., Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

 FUNDERBURG, JOE D. (SM'58), Mgr., Electronic Countermeasures Sect., Hoffman Labs., 3761 S. Hill St., Los Angeles, Calif.

- measures Sect., Hoffman Labs., 3761 S. Hill St., Los Angeles, Calif.
 FUNDERBURK, HOBERT E. (SM'57), Test Engr., Convair, Box 748, Ft. Worth, Tex.
 FUNFSTUCK, HORST (M'57), Electronics Engr., Electrosolids Corp., 13745 Saticoy St., Panorama City, Calif.
 FUNG, JOHN H. (A'30), Prop. & Engr., Natl. Union Radio Service, 9 Cornelio St., Port of Spain, Trinidad, B. W. I.
 FUNG, LESLIE E. (A'59), Electronics Technician & Assembler, Airtron, Inc., 5B73 Rodeo Rd., Los Angeles, Calif.
 FUNK, DOLIVE L. (S'54-M'57), Engr., Bell Tel. Labs., 463 West St., New York, N.Y.
 FUNK, HOWARD L. (M'5B), Assoc. Engr., IBM Research Lab., Poughkeepsle, N.Y.
 FUNK, JAMES W. (A'57), Communications Officer, USAF, Keesler AFB, Biloxi, Miss.
 FUNK, JONS Ph. D. (S'57-M'5B), Assoc. Engr., Douglas Aircraft Co., El Segundo, Calif.
 FUNK, KENNETHA. (S'55-M'57), Engr., Pouglas Aircraft Co., El Segundo, Calif.
 FUNK, BOCKARD W. (MISE), CALIET). Electronics Force.

- N. J.
 FUNK, RICHARD W. (M'50-SM'57), Electronics Engr.,
 Aero Engrg. Co., 220 Old Country Rd., Mineola, L.I., N.Y.
 FUNK, ROBERT E. (S'51-A'52-M'56), Sr. Electronics Engr.,
 Ryan Aeronautical Co., 2750 W. Lomita Blvd., Torrance,
 Calif.

FUN-GAL TOOYNAMA, Pa.
FUQUA, ROBERT R. (S'56-M'57), Test Equipment Design Engr., IBM, San Jose, Calif.
FUREDI, JOSEPHA E. (A'49), Patent Agent, 143 Bennett Ave., New York 40, N.Y. FUREDI, JOSEPHA E. (A'49), Patent Agent, 143 Bennett Ave., New York 40, N.Y.

FURFINE, ALLEN L. (S'47-A'50-M'55), Chief Radiation Systems Engr., The Enerson Electric Mfg. Co., 8100
Florissant Ave., St. Louis 21, Mo.
FURIA, NICHOLAS J. (S'56-M'58), Test Engr., Control Instrument Co., Inc., 67 35 St., Brooklyn, N.Y.

FURLONG, JAMES J. (A'58), Instr., Radio Engrg., Institute, 2610 Leavenworth St., Omaha, Neb.

FURLOW, DALE B. (S'56-M'59), Staff Engr., Sandia Corp., Sandia Base, Albouqueque, N.M.

FURMAN, JACOB (S'57-M'58), Project Engr., Curtis-Wright Electronics Div., Caristadt, N.J.

FURMAN, OTTO G. (M'57), Chief Engr., Tenessee Operations, Magnavox Co., Greeneville, Tenn.

FURNBERG, CARLTON M (S'56-M'58), Staff Mem., Sandia Corp., Box 969, Livemore, Calif.

FURNELL, WILLIAM W., JR. (S'47-A'49-M'55-SM'57), Project Engr., Varo Mfg. Co., Inc., 2201 Walnut, Garland, Tex. FURNSTAHL, JOHN S. (M'57), Mgr., Mech. Design, RCA, Camden, N. J. Camden, N. J.
FURRER, CHARLES G. (A'56), Partner, Central Associates,
44 N. Dean St., Englewood, N. J.
FURRER, FRANK E. (M'59), 10 Drusbergstr., Zurich 7-53, FURRER, FRANK E. (M'59), 10 Drusbergstr., Zurich 7-53, Switzerland.

FURSA, ALEX (S'43-A'51-M'56), Electronics Engr., Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.

FURST, ROBERT E. (A'43-M'49), V.P., Engrg., Harman-Kardon, Inc., 520 Main St., Westbury, L.I., N.Y.

FURST, ULRICH R. (A'42-M'44-SM'58), Supvr., Pilotless Aircraft Olv., Boeing Airplane Co., Box 3925, Seattle 24, Wash. FURSTEIN, RICHARD A. (S'54-M'56), Flight Test Instru-mentation Engr., RCA Flight Lab., New Castle County Air-port, New Castle, Del. mentation Engr., RCA Flight Lab., New Castle County Airport, New Castle, Del
FURTH, ENRIQUE (A'56), Research Engr., IBM, Research Center, Box 218, Yorktown Hrights, N.Y.
FURTH, FREDERICK, R. (SM'55), V.P. Research & Engrg., IT&T, 67 Broad St., New York 4, N.Y.
FURUKAWA, MASAKI (M'59), Lt., Communication Project Officer, U.S. Amy Signal Tech., Intel. Team 2, APO 343, San Francisco, Calif.
FURY, ARTHUR E. (A'53), Dev. Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.
FURY, ARTHUR E., JR. (S'55-A'57), Project Engr., Metropolitan Electric, 22-50 Steinway St., Astoria, L.I., N.Y.
FUSFIELD, ROBERT I. (S'57-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
FUSS, PETER S. (S'54-M'56), Mem. Tech. Staff, 8elf
Tel. Labs., Whippany, N.J.
FUSSELL, LUTHER 8. (A'52), System Engr., Computer Dept., GE Co., 36846 Black Canyon, Phoenix, Ariz.
FUSSELL, RICHARD L. (S'56-M'58), Asst. Dev. Engr., Burroughs Research Center, Paoli, Pa.
FUTRAN, SEYMOUR M. (S'49-A'51-M'56), Project Engr., Baird-Atomic, Inc., 33 University Rd., Cambridge 38, Mass.
FUTTERMAN, MEYER (A'46-M'54), Mem. Tech. Staff, Hughes Communications Div., Box 90902, Internatl. Airport, Los Angeles 45, Calif.
FUZESI, ZOLTAN (M'56), Engr., Consultor Tecnico, Caixa Postal 2668, Rio de Janeiro. Brazzii. port, Los Angeles 45, Calif.

FUZESI, ZOLTAN (M'56), Engr., Consultor Tecnico, Caixa
Postal 2668, Rio de Janeiro, Brazil.

FYE, DAVIO L. (M'5B), Electronics Scientist, Air Force
Cambridge Research Center, Hanscom Field, Bedford, Mass.

FYE, RICHARD P. (A'51-M'57), Supwr., Control Data Processing Engr., HMED, GE Co., Syracuse, N.,

FYLER, GEORGE W. (SM'57), Zenith Radio Corp., 6001
Dickens, Chicago, III.

FYLER, NORMAN F. (A'52-M'57), Mgr., Litton Industries,
Inc., 1476 66 St., Emeryville, Calif.

FYME, MICHAEL G. A. (A'56), Mfg. Engr. Supwr., E.T.D.,
Sperry Gyroscope Co., Great Neck, L.I., N.Y. CAAL, IGNATIUS G. (M'59), Supvr., Northrop Aircraft, Inc., Hawthorne, Calif.

GABEL, ROBERT J. (S'53-A'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

GABEL, WILLARD (M'46), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

GABELMAN, IRVING J. (A'47-M'50'SM'51), Electronics Engr., Rome Air Oevelopment Center, USAF, Griffiss AF8, N.Y.

GABLE, ALBERT C. (SM'46), Mgr., Mkt. Research, GE Co., Schenectady 5, N.Y. GABLE, JOHN R. (4'58), Asst. Engr., Western Electric Co., Laureldale, Pa. GABLE, NORMAN P. (A'42-M'49), Supvr., Testing & Equipment Design, Lansdale Tube Co., Church Rd., Lansdale, Pa. Lansdale, Pa.

GABLEHOUSE, REUSEN H. (M'54), Supvr., Sect. 5223-1, Sandia Corp., Sandia Base, Albuquerque, N.M.

GABLER, RAYMOND T. (4722-SM'44), Physicist, The Rand Corp., 1700 Main St., Santa Monica, Calif.

GABLOFFSKY, HEINZ (M'57), Engr. Specialist, Nortronics Co., 222 Prairie Ave., Hawthorne, Calif.

GABOR, ANDREW (A'57), Sr. Engr., Potter Instrument Co., Sunnyside Bivd., Plainview, L. 1., N. Y.

GABOR, WILLIAM D. (A'49-M'55), Sr. Project Engr., Sanders Associates, 95 Canal St., Nashua, N.H.

GABRIEL, EDWIN Z. (A'47-M'53), Asst. Prof., Elec.
Engrg. Dept., Villanova Univ., Villanova, Pa.

~ 180 -GABRIEL, RALPH P. (A'36-VA'39), Tech Dir., Central Rediffusion Services, Ltd., Carleton House, Regent St., London, S.W. 1, England. London, S.W. 1, England.

GABRIEL, ROBERT C. (S'57-M'58), Dev. Engr., AC Spark Plug, 431 W. Florida St., Milwaukee, Wis.

GABRIEL, RUDOLPH R. (A'48-M'55), Electronics Engr., Enrico Fermi Institute for Nuclear Studies, Univ. of Chicago, 5620 S. Ellis Ave., Chicago, III.

GABRIEL, WILLIAM F. (S'45-A'46-M'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

GABRIELE, THOMAS C. (M'57), Asst. Prof., Elec. Engrg., Milwaukee, Wis.

GABRIELSEN, FRANK T. (A'44-M'55), Sr. Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

GABRIELSEN, HILTON R. (S'58-M'59), 405 Corona Del Mar., Sarta Barbara, Calif.

GABRIELSEN, WILLIAM B. (M'58), Engr., LMED, CE. Mar, Santa Barbara, Calif.

GABRIELSEN, WILLIAM B. (M'58), Engr., LMED, GE
Co., Utica, N.Y.

GABRIELSON, HARLEY C. (S'48-A'50-M'55), Project
Engr., Philoc Com., 3875 Fabian Way, Palo Alto, Calif.

GABRIELSON, REIDAR C. (A'53-M'58), Project Engr.,

Motorola Research Lab., 3012 N. 56 St., Phoenix, Ariz.

GABRIUNAS, KAZYS B. (A'48), Chief Engr., Communications Dert., Avianca, Departamento Comunicaciones, BogotaTecho, Colombia. tions Dest., Avianca, Departamento Comunicaciones, Bosota Techo, Colombia.

GACH, LOUIS M. (M'57), Engr., Sperry Gyroscope Co., Greak Neck, L.I., N.Y.
GADBOIS, GEORGE A. (M'59), Electronics Engr., Naval Ordnance Lab., Silver Spring, Md.
GADBOIS, GEORGE S. (S'54-M'56), Chemical Engr., RCA, New Holland Pile, Lancaster, Pa.
GADBOIS, RICHARD D. (S'56-M'58), Electronics Engr., Convair-Astronatics, Box 1128, San Diego, Calif.
GADDIS, GERALD E. (S'57-M'58), Officer Candidate, USN, U.S. Naval Sta., Newport, R.I.
GADDIS, LUCIUS W. (M'57), Sr. Research Engr., Convair, Box 1101, Pomona, Calif.
GADDY, OSCAR L. (S'55-M'57), Instr., Research Asst., Elec. Engra, Dett., Univ. of Kansas, Lawrence, Kan
GADE, DONALD W. (M'52-SM'57), Group Leader, Autonetics Div., No. Amer. Aviation, Downey, Calif.
GAOLER, STEVEJ. (SM'59), Oir., Electronics, USAF, Hgrs., Air Oefense Command, Ent. AFB. Colo.
GADO, LOUIS G. (S'49-A'50-M'56), Field Engr., Wiancko Engray., Villane Univ., New Orleans 18. La Wiancko Engro. Co., 499 Hamilton Áve., Palo Alio, Calif. GADSDEN, CHRISTOPHER P. (A '56), Asst. Prof., Elec. Engro., Tulane Univ., New Orleans 18, La. GAENZLE, JOHN B. (A'42-M'45), Engro. Mgr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif. GAETH, ARTHUR R. (M'58), Communications Supvr., City of Omaha Fire Devi., 1103 N. 40 St., Omaha 31, Neb. GAFFNEY, FRANCIS J. (A'38-M'45-SM'46-F'55), V.P., Engro., The Telerepister Corp., 445 Fairfield Ave., Stamford, Conn. GAFFNEY, JOHN E., JR. (S'56-M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y. GAFFNEY, ROBERT E. (SM'57), Sales Engr., GE Co., Utica, N.Y.

GAFFNEY, JOHN (M'57), Physicist, IBM, Poughkeepsle,

Utica, N. N. Derri E. (5M '57), Sales Engr., GE Co.,
Utica, N.Y. D. (A'51-SM'54), Asst. Tech. Dir.,
"Mace" Project, Martin Co., Baltimore 3, Md.
GAGE, OONALD S. (S'53-M'58), Asst. Prof., Northwestern
Univ., Northwestern Tech. Institute, Evanston, III.
GAGE, GEORGE H., JR. (M'50), Mgr., Prod. Planning,
CBS Electronics, 100 Endicott St., Danvers, Mass.
GAGE, JAMES F. (M'58), Research Engr., Electric AutoLite, 511 Hamilton, Toledo I., Ohio.
GAGE, LESLIE W. (S'53-A'54), Publications Engr.,
Bendix Aviation, Teterboro, N.J.
GAGE, LOUIS S. (A'51-M'56-SM'59), Group Leader, Genl.
Precision Labs., 63 Bedford Rd., Pleasantville, N. Y.
GAGE, NORMAN C. (4'55), Project Engr., Kearfott Co.,
Inc., 14844 Oxnard St., Van Nuys, Calif.
GAGE, ROY G. (S'55-M'56), 810 Bristol Ct., Richardson, Tex.

ardson, Tex.

GAGE, WILLIAM M. (A'45), TV Engr., CBS, 485 Madison Ave., New York, N.Y.

GAGER, CHARLES H. (S'50-A'51-M'58), Group Leader, Airborne Instruments Lab., Inc., Mineola, L.I., N.Y.

GAGER, F. MALCOLM (I'24-A'26-SM'46), Branch Head, Radar Oiv., Naval Research Lab., Washington, O. C.

GAGER, WILLIAM B. (M'56), Physicist, Natl. Bureau of Standards, Washington 25, D.C.

GAGLIANELLO, JOSEPH W. (A'52), Departmental Technician & Dispatcher, IBM, Kingston, N.Y.

GAGNE, RANCOIS W. (A'50-M'56), Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

GAGNE, REAL (S'55-M'56), Electronics Engr., Defense Scientific Service Officer, Defense Research Board, Electronic Lab., Jottawa, Ont., Canada.

GAGNE, ROLAND E. (S'54-M'56), 14 Harold Rd., London,

GACNE, ROLLAND E. (S'54-M'56), 14 Harold Rd., London, S.E. 19, England.
GACNON, LIONEL A. (A'51-M'53), Dir. de l'Ecole d'Arts et Metiers, Ministere du Bien-Etre Social et de la Jeunesse, P. Q., 235 2e Ave., Port Alfred, P. Q., Canada.

P. Q., 235 2e Ave., Port Alfred, P. Q., Canada.
GAGNON, PIERRE (A'57), 4334 Jeanne D'Arc, Montreal,
P. Q., Canada.
GAGNON, ROBERT L. (A'53-M'54), Pres., Salesman, Test
Systems, Inc., 404 Main St., Wakefield, Mass.
GAGNON, ROGER (S'55-M'56), Engr., Televox Systems,
Inc., 410 Lafayette, Quebec, P. Q., Canada.
GAGO, WILLIAM J. (A'52-M'57), Project Engr., Wells
Gardner & Co., 2701 N. Kildare Ave., Chicago 39, Ill.
GAHAGAN, JOSEPH R., SR. (S'52-A'55-M'56), Project
Engr., Philco Corp., Covt. & Industrial Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.
GAHERTY. W. DENIS (S'58-M'56), Jr. Engr., Canadian

Santcon Ave., Antadeponia 44, Pa.
GAHERTY, W. DENIS (5/58-M/58), Jr. Engr., Canadian
Marconi Co., 2442 Trenton Ave., Montreal, P. Q., Canada.
GAHM, WALLACE L. (A'47-M/55), Design Engr., Columbia
Research & Development Corp., 4608 Indianola Ave., Columbus, Ohio.

umbus, Ohio.
GAIGE, JESSE C. (M'58), Elec. Engr., GE Co., Utica, N.Y.
GAILLARD, HERMAN L., JR. (A'58), 1820 Lombardy Dr.,
Clearwater, Fla.

GAILLARD, RAYMOND L. (A'43-M'55), Examiner, Engrg., Municipal Civil Service Commission, 299 Broadway, New York 7, N.Y.

York 7, N.Y.

GAINER, WILLIAM P. (J'27-A'28-M'49), Engr., TV, Hearst Corp., WISN-AM-TV, 759 N. 19 St., Milwaukee 3, Wis.

GAINES, ALLAN M. (S'57-M'58), Electronics Engr., Norden Labs., 58 Commerce Rd., Stamford, Conn.

GAINES, BENJAMIN R. (A'26-SM'46), Electronics Engr., Aircraft, FAA, 5651 W. Manchester, Los Angeles 45, Calif.

Calif, GAINES, BERNARD (SM¹57), 54 Saddle Lane, Roslyn Heights, L.I., N.Y.

Heights, L.I., N.Y.
GAINES, JACK E. (S'57-M'58), 410 Lake St., S., Kirkland, Wash.
GAINES, ROBERT I. (S'44-A'49-M'56), Asst. Dir., Internati.
Div., Allen B. DuMont Labs., Inc., 515 Madison Ave., New
York 1, N.Y.

DIV., Allen D. DUMORI Laus., Inc., 312 Madisuri Ave., new York 1, N.Y.

GAINES, WARREN M. (SM'55), Mgr., Data Systems Projects, Special Projects Engrg., GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.

GAINEY, LLOYD L. (M'55), Transac Field Engrg. Mgr., Philoc Corp., Abbotsford Rd., Philadelphia, Pa.

GAITHER, LOREN E. (SM'54), Dir., Communications Engrg., Covt. & Industrial Div., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

GAITHER, THOMAS B. (A'47-M'53), Sr. Field Engr., Raytheon Mfg. Co., Waltham 54, Mass.

GAITO, KENNETH W. (S'54-M'56), Mgr., System Test Dept., IBM, Kingston, N.Y.

GALA, DONALD C. (S'55-M'56), Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

GALA, JOSEPH C. (S'54-M'55), Program Engr., GE Co., Syracuse, N.Y.

Syracuse, N.Y.

GALAGAN, STEVEN (S'41-A'44-SM'53), Dir., Engrg. &
Sales, Gabriel Lab., 135 Crescent Rd., Needham Heights,
94, Mass.

GALAGE, DOMINICK J. (S'54-M'56), Tech. Engr., IBM.

Poughkeepsie, N.Y.
GALAMBOS, LOUIS G. (S'46-A'47-M'55), Communications Instr., Macomber Vocational High School, 1501 Monroe St., Toledo 12, Ohio.
GALANE, IRMA B. (A'43-SM'52), Electronics Engr., FCC, Washington 25, D.C.
GALANEK, GEORGE J. (A'56), Design Engr., RCA, Camden, N. I.

GALANTE, EDWARO T. (S'57-M'59), Production Engr., Automatic Radio Mfg. Co., 122 Brookline Ave., Boston, Mass.

Mass.
GALANTE, SALVATORE P. (A'56), Dev. Techniclan, American Bosch Arma Corp., Garden City, L.I., N.Y.
GALANTER, MORTON (S'49-A'51-M'58), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.
GALANTY, HAROLD (S'48-A'52-SM'58), Consulting Engr., 36 Montpomery Rd., Livingston, N.J.
GALAS, THEODORE A. (SM'58), Sr. Engr., Electronic Engrg. Co. of California, 1601 E. Chestnut, Santa Ana, Calif.

Calif.

GALATI, VINCENT J. (A'52-M'58), Engr., System Development Corp., 2500 Colorado, Santa Monica, Calif.

GALAVAN, THOMAS P. (A'54), V.P., Dillenbeck-Galavan, Inc., 266 S. Alexandria, Los Angeles, Calif.

GALBRAITH, DONALD S. (S'56-M'58), Scientist, C.A.R.
D.E., Box 1427, Quebec City, P. Q., Canada.

GALBRAITH, GORDON E. (A'56), Electronics Technologist, Dehavilland Aircraft of Canada, Ltd., Downsview, Ont., Canada.

GALBRAITH, HUGH J. (A'50-M'55), Sr. Staff Mem., Moto-rola Riverside Research Lab., 8330 Indiana, Riverside, Calif.

Total Riverside Research Lab., 8330 Indiana, Riverside, Calif.

GALBRAITH, JAMES R. (S'50-A'55), Project Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

GALBRAITH, JAMES S. (A'52-M'54), Staff & Field Engr., Sprague Electric Co., North Adams, Mass.

GALBRAITH, JOHN E. (A'52-M'57), Field Engr., Holliday-Hathaway, Inc., 9 Lincoln Ave., Rutherford, N. J.

GALBRAITH, A. A. H. (A'41-SM'47), Chimn, Dept. of Elec. Engrg., Univ. of Ottawa, Ottawa 2, Ont., Canada.

GALBRAITH, RALPH A. (SM'47), Dean, College of Engrg., Syracuse Univ., Syracuse 10, N.Y.

GALE, MANFRED (A'51-M'57), Chief, Equipment Dev.

Sect., Engrg. Research & Oevelopment Labs., U.S. Army, Ft. Belvoir, Va.

GALE, MORTEN (S'48-A'50), Dir. Ouslith Agricance Expenses

GALE, MORTEN (S'48-A'50), Dir., Quality Assurance, Emerson Research Labs., 1140 East-West Hwy., Silver Spring,

MG.
GALE, RICHARD J. (A'53-M'58), Chief, Data Systems Branch,
U.S. Army Signal Engrg. Labs., Ft. Monmouth, N.J.
GALEJS, JANIS (A'52-M'57), Engrg. Specialist, Sylvania
Elec. Prods., Inc., Waltham 54, Mass.
GALELLA, PASQUALE T. (SM'51), V. P., Engrg., Dynamic
Electronics-New York, Inc., 87-46 123 St., Richmond Hill,
L.I., N. Y.

CALICINAO, INOALECIO Y. (S'57-A'57), 1515 Park Rd., N.W., Washington 10, D.C. GALIL, UZIA (S'52-A'53), Head, Electronic Lab., Physics Dept., Israel Institute of Technology, Haifa, Israel. GALIN, JULIUS L. (S'48-A'50-M'56), Elec. Engr., Connecticut Spring Corp., 1841 Broad St., Hartford 1, Conn.

Conn.

GALINDO, VICTOR (M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

GALITZ, ROBERT J. (A'41), Quality Control Engr., Oak Mfg. Co., 1260 Clykboure Ave., Chicago 10, Ill.

GALL, CHESTER E. (S'53-A'54-M'59), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

GALL, FREDERICK (M'59), Electronica Internacional C.A., Apartado Del Este 4997, Caracas, Venezuela.

GALL, JAMES E. (A'37-VA'39), Dir., Research & Engrg., Dept of Army, Hgrs., Army Security Agency, Washington 25, D.C.

25, D.C.
GALL, IGNATIUS G. (M'59), Supvr., Northrop Aircraft, Inc., Hawthome, Calif.
GALL, ROBERT C. (S'57-A'58), Tech. Rep., Internat!
Electronics Engra., Inc., Washington, D.C.
GALL, RUSSELL G. (S'55-M'56), Elec. Engr., Melpar.
Inc., 3000 Arlington Bird., Falls Church, Va.
GALLAGHER, DARIUS M. (SM'59), Supt., K.C. Shops,
Westem Electric Co., 1227 E. 119 St., Grandview, Mo.
GALLAGHER, DONALD C. (S'51-A'52-M'58), Head, Group
5D, Research & Dev., Collins Radio Co., Cedar Rapids, lowa.

- GALLAGHER, DONALD C. (S'51-A'52-M'58), Head, Group D, Research & Dev., Collins Radio Co. Cedar Rapids, Iowa. GALLAGHER, EDWARD F. (A'51-M'57), Sr. Engr., Sylvania Elec. Prods., Inc., 189 B St., Needham, Mass. GALLAGHER, FREDERICK H. (A'55), Wire Chief, Illinois Bell Tel. Co., 311 W. Washington St., Chicago 6, Ill.

Bell Tel. Co., 311 W. Washington St., Chicago 6, Ill.

GALLAGHER, GERALD J. (S'49-A'50-M'5B), Design
Engr., Instruments, E. I., duPont de Nemours, Inc., Louviers
Bldg., Wilmington 98, Del.

GALLAGHER, HAYDEN E. (A'52-M'57), Mem. Tech.
Staff, Hughes Aircraft Co., Culver City, Calif.

GALLAGHER, JAMES D. (A'46-M'49), Transmitter Supvr.,
Sunshine Broadcasting Co., San Antonio, Tex.

GALLAGHER, JAMES E. (A'58), Electronics Technician,
RCA Service Co., 29 W. Apple St., Daydon 2, Ohio.

GALLAGHER, JOHN A. (A'56-SM'59), Staff Countermeasures Engr., Cook Research Labs., 6401 W. Oakton, Morton
Grove, Ill.

Grove, III.

GALLAGHER, JOHN H. (A'56), Patent Atty., Sperry
Gyroscope Co., Great Neck, L.I., N. Y.

GALLAGHER, JOHN J. (A'52-M'57), Faculty Exec. Officer,
USAF Academy, Lowry AFB, Denver, Colo.

GALLAGHER, L. RAYMOND (M'57), Sr. Test Engr.,
Electronic Div., American Machine & Foundry Co.,
Boston, Mass.

GALLAGHER, MARK L., JR. (S'54-M'56), Engr., Sperry Gyroscope Co., Carle Place, L. I., N. Y.
GALLAGHER, PAUL (S'51-A'53), Device Engr., Transitron Electronic Corp., 403 Main St., Meirose, Mass.
GALLAGHER, PHILIP B. (S'51-A'53-M'57), Research Assoc, Stanford Electronics Lab., Stanford Univ., Stanford, Calif.

GALLAGHER, PHILIP N., JR. (S'57-M'5B), Research Asst., Dept. of Pharmacology, Harvard Medical School, Boston 15, Mass.

Boston 15, Mass.

GALLAGHER, ROBERT D. (S'55-M'5B), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

GALLAHER, JOHN F. (SM'55), Rear Adm., USN, Retired, Box 253, Diablo, Calif.

GALLANT, RICHARD J. (A'56), Assoc. Mem. Tech.

Staff, Bell Tel. Labs., Whiopany, N.J.

GALLANT, ROBERT M. (A'56), 14 Spencer Ave., Chelsea 50, Mass.

50, Mass.

GALLAWA, ROBERT L. (S'57-M'59), Instr., Univ. of Nebraska, Lincoln, Neb.

GALLAWAY, ELIJAH, N. (S'58-M'59), Capt., USAF, Elec. Engr., Ft. Meade, Md.

GALLE, HENRY P. (A'56), Engr., Northrop Aviation, Inc., Hawthome, Calif.

GALLENSON, LOUIS (S'50-A'51-M'56), Engr., Systems Development Corp., 2500 Colorado, Santa Monica, Calif.

GALLES, CHARLES E. (A'55-M'57), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

GALLI, ENRICO J. (A'55), IBM Research Labs., Yorktown Heights, N.Y.

neignts, N.Y.

GALLICHOTTE, JOHN H. (A'52-M'5B), Owner, Peninsula
Radar, 89B Hazelnut Ct., Sunnyvale, Calif.

GALLIGAN, THOMAS J. (S'52-A'53-M'5B), Instr.,
Manhattan College, Manhattan College Pkwy., New York 71,
N.Y.

GALLIMORE, JOHN W. (S'50-A'53-M'5B), Planning Engr. Mgr., New England Telephone & Telegraph Co., 50 Oliver St., Boston, Mass.

St., Boston, Mass.
GALLIOS, GEORGE C. (S'50-A'51-M'56), Sr. Engr.,
W.L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.
GALLO, FRED J. (A'46-M'55), Supvg. Electronics Project
Engrg., Industrial Mgr., 12 Naval District, Shore Electronics, USN Shipyard, Mare Island, Calif.

GALLO, JOSEPH E. (SM'5B), Project Leader, RCA, Camden,

N.J.
GALLO, LOUIS (M'57), Computer Engr., RCA Service
Co., Camden B, N.J.
GALLO, LOUIS F. (S'54-A'55), Test Engr., Avco Mfg.
Corp., Field Test Sect., Box 4266, Albuquerque, N.M.
GALLO, PETER (SM'53), Radio Engr., RCA, Ca

N.J.

GALLO, WILLIAM A., JR. (S'55-A'57), 104 Greenwood
Dr., Falls Church, Va.

GALLOWAY, J. VERNON (S'53-M'5B), Engr., Research
& Dev., Aircraft Armaments, Inc., Cockeysville, Md.

GALLOWAY, JAMES A. (S'56-M'59), 184-B N. Aia
Dr., Patrick AFB, Fla.

CALLOWAY, RICHARD T. (M'56), Physicist, Mine Defense
Lab., Panama City, Fla.

Lab., Panama City, Fla.

GALLOWAY, ROBERT E., SR. (M'54-SM'57), Chief Engr.,
Cunningham Electronic Selecting Scale Co., 2213 Tubmen
Home Rd., Augusta, Ga.

GALLOWAY, WILLIAM C. (S'44-A'45-SM'55), Sr.
Group Engr., Boeing Airplane Co., Box 107, Seattle 14,
Wash.

Wash.

GALLOWAY, MILLIAM J. (S'50-A'51-M'56), Physicist,
Bolt, Beranek & Newman, Inc., B271 Melrose Ave., Los
Angeles 46, Calif.

GALLUP, G. BENJAMIN (S'55-A'56), Sr. Field Engr.,
Bendix Radio Div., Towson 4, Md.

GALLUPPI, ALBERT J. (M'58), Field Engr., Page Communications Engrs., Inc., 710 14 St., N. W. Washington,
O.C.

GALLUPPI, FILIPPO B. (S'52-A'53-M'5B), Consulting Engr., 111 E. BB St., New York 28, N.Y. GALLUZZI, N. PAUL (S'53-M'59), 10 Peabody Ave., Beverly, Mass.

Beverly, Mass.

GALLWEY, KENNETH L. (A'52-M'5B), Oesign Specialist, Boeing Aimplane Co., Box 107, Seattle 14, Wash.

GALOPIN, ANTHONY (S'51-A'52-M'57), Electronics Engr., Radio Corp., 225 Crescent St., Waltham, Mass.

GALPIN, WINFRED H. (A'52-M'57), Mgr., Canadian Motorola Electronics, Ltd., 54 Adelaide St., Winnipeg 10, Man., Canada.

GALTON, EUGENE B. (SM'5B), Mgr., Elec. Design, RCA, Camden, N.J.

GALVAN MARK NCO. ENRIQUE (S'56-M'59), Valladdid 56.

RCA, Camden, N.J.

GALVAN MAKENGU, ENRIQUE (S'56-M'59), Valladolid 56,
Mexico 7, O.F. Mexico.

GALVIN, AARON A. (S'53-M'56), Staff Mem., Lincoln
Lab., MIT, Lexington 73, Mass.

GALVIN, JOHN P. (M'59), Asst. Engr., Sperry Gyroscope
Co., Great Neck, L.I. N.V.

GALVIN, PETER (M'57), Electronics Design Engr., Avro
Aircraft Co., Ltd., Malton, Ont., Canada.

GALWAY, WILLIAM G. (S'56-M'59), 1714 Sexton St., Baltimore 30, Md.
GALYEAN, MARCUS W. (A'41), Production Analysis, USAF, 31st TACFTR Wing, George AFB, Calif.
GAMACHE, LOUIS J. (M'55-SM'55), Chief Incoming Inspector, Motorola, Inc., 9401 W. Grand Ave., Franklin Park, III.

GAMARA, NORBERT J. (A'40-M'45), Engrg. Specialist, Electronic Defense Lab., Sylvania Elec. Prods., Inc., Mountain View, Calif. GAMBA, DANTE W. (A'54), 1337 Charcas, Buenos Aires,

GAMBA, DANTE W. (A'54), 1337 Charcas, Buenos Aires, Argerkina.

GAMBER, FREDERICK S. (S'57-M'59), Field Service Engr., AC Spark Plug, Oak Creek Plant, Milwaukee, Wis. GAMBILL, CHARLES C. (S'55-M'56), Project Engr., GMC, 300 Taylor St., Dayton 1, Ohio.

GAMBLE, EDWARD H. (M'46-SM'49), Mgr., Controls Sect., Flight Propulsion Lab. Dept., GE Co., 80x 196, Cincinnati 15, Ohio.

Cincinnati 15, Ohio.

GAMBLE, GEORGE W. (A'50-M'5B), Sales Mgr., Special Accounts, GE Computer Dept., 13430 N. Black Canyon Hwy., Phoenix, Ariz.

GAMBLE, GLEN R. (A'57), Field Engr., USAF, Western Electric Co., Chatham Rd., Winston-Salem, N.C.

GAMBLE, GORDON L. (M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippanary, N.J.

GAMBLE, JOSEPH H. (M'54), Project Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

GAMBLE, MILTON E. (SM'54), Sales Engr., Robert O. Whitesell & Associates, 6620 E. Washington, Indianapolis, Ind.

Ind.

GAMBLIN, RODGER L. (M¹5B), Project Research Staff, Princeton Univ., Princeton, N.J.

GAMBOA, ANTONIO C., JR. (A¹56), Telecommunications Engr., Bureau of Telecommunications, Manila, Philippines.

GAMBRILL, RICHARD D. (A¹47-M¹55), Dept. Chief, Test Equipment Dev. & Design, Western Electric Co., 2500 Broening Hwy., Baltimore 24, Md.

GAMBUTI, PATRICK F. (A¹54), Sales Engr., Sound Systems, Inc., 39-22 30 St., Long Island City, N.Y.

GAME, LEONARD C. (A¹54), Estimating Engr., Hydro Electric Power Commission of Ontario, 49 Bathurst St., Toronto, Ont., Canada.

CAMEI WENDELL W. (M¹55), Mgr., Underwood Corp.,

GAMEL, WENDELL W. (M'55), Mgr., Underwood Corp., Canoga Div., 150 Eglin Hwy., Ft. Walton Beach, Fla. GAMERTSFELDER, GEORGE R. (SM'46), Dir., Research, Genl. Precision Lab., Inc., 63 Bedford Rd., Pleasntville, N.Y.

GAMERTSELDER, HOWARD E. (M'58), Project Engr., U.S. Govt., Pentagon, Washington, D.C. GAMES, JOHN E. (M'58), Engr., Raytheon Mfg. Co., Maynard, Mass.

Maynard, Mass.

GAMM, CLARENCE J. (S'55-A'56), Engrs. Asst. "A,"
Boeing Airplane Co., Wichita, Kan.
GAMMEL, HENRY C. (A'40), Dir., Industrial Electronics
Div., Motorola, Inc., 4545 Augusta Blvd., Chicago 51, III.
GAMMIE, JAMES (M'53), Mem. Tech. Staff, Bell Tel.
Labs., 1600 Osgood St., North Andover, Mass.
GAMMILL, ROBERT A., JR. (S'53-A'54), Engr., Vitro
Corp. of America, 14000 Georgia Ave., Silver Spring, Md.
GAMMON, CLAY (S'57-M'5B), Capt., USAF, Hors.,
USAFE, DCS/Intelligence (EIPC), APO 633, New York,
N, Y.

N.Y.
GAMO, HIDEYA (M'59), Consultant Physicist, IBM, Box 21B, Yorktown Heights, N.Y.
GAMRAT, STEPHEN (S'53-A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
GAMS, THEODORE C. (S'40-A'45-M'55), Sr. Partner, Theodore C. Gams & Associates, 250 Elizabeth Ave., Newark B, N.J.

Newark B, N. J.

GAMSON, EDWIN R. (A'51-M'56-SM'59), Oir., Mfg.,
Telemeter-Magnetics, Inc., 2245 Pontius Ave., Los
Angeles 64, Calif.

Telemeter-Magnetics, Inc., 2245 Pontlus Ave., Los Angeles 64, Calif.
GAN, MANVILLE (4/59), Sr. Technician, Microwave Engrg. Labs., 943 Industrial Ave., Palo Alto, Calif.
GANAH/, PAUL J. (5/47-A/49-M*155-SM*155), Electronics Engr., Naval Ordnance Lab., Corona, Calif.
GANAPATHY, NATARAJAN (M*57), Tech. Rep., Marconi's Wireless Telegraph Co., Ltd., Box 195, New Delhi, India. GANCHER, LOUIS (A/53), Owner, Louis Gancher Co., 468 W. Broadway, New York 12, N.Y.
GANCIE, JOSEPH J. (A/53), Asst. Supt., American Cable & Radio Coro., ItäT, B Du Pont Circle, Washington, D.C. GANOHI, OM P. (M*59), Research Asst., Univ. of Michigan Research Institute, Ann Arbor, Mich.
GANOIN, PAUL (A/54), Head, Research & Quality Labs., La Radiotechnique, 51 rue Carnot, Suresnes, Seine, France. GANDLER, BERNARD R. (S'56-M*57), 2nd Lt., USAF, 70th Air Refueling Sodn., SAC, Little Rock AFB, Ark. GANDOLPH, ANDREW A. (A/55), Staff Engr., Automatic Electric Sales Corp., 21 E. 40 St., New York 16, N.Y. GANDY, CHARLES L. (M*56), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.
GANDY, L. DOUGLAS (S'56-M'57), Process Engr., Radio Valve Co., Ltd., 1 Radio Valve Rd., Weston, Ord., Canada.
GANDY, WOODROW W (SM*57). Aeronbysics Croup Engr.

GANDY, WOODROW W. (SM'57), Aerophysics Group Engr., (Supvy.), Convair, Box 74B, Ft. Worth, Tex. GANG, ROBERT E. (S'50-A'51-M'5B), Electronics Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif. GANGALE, FRANK S. (A'54), Industrial Specialist, American Bosch Arma Corp., Garden City, L.I., N.Y. GANGBLER, FRED (A'47-M'56), Myr., Mku. Administration, GE Co., Syracuse, N.Y. GANGI, ANTHONY F. (S'51-M'56), Institute of Geophysics, Univ. of California, Los Angeles 24, Calif. GANGINES, ALFRED V. (SM'5B), Sr. Project Engr., Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif. GANGULY, S. K. (A'44-M'49). Sr. Tech Officer Office

Anaheim, Calif.

GANGULY, S. K. (A'44-M'49), Sr. Tech. Officer, Office of The Controller of Communications, Juhu Aerodome, Bombay 23, India.

GANIARD, RALPH W. (A'56), Chief, Quality Control, Caledonia Electronics & Transformer Corp., Caledonia, N.Y.

GANIERE, HERBERT C. (A'50-M'57), Electronics Engr., Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee 1, Wis. GANITT, ERVIN D. (S'52-A'53), 27 Baker Rd., Everett 49, Mass.

GANN, GRAHAM D. (M'5B), Electronic Dev. Engr., Standard Telephones & Cables, Ltd., Oakleigh Rd., London N11, England.

London N11, England.

GANNAWAY, ROBERTSON R. (M'45-SM'46), Mgr., Systems Engro, Sect., Raytheon Mfg. Co., Santa Barbara, Calif.

GANNETT, ARTHUR C. (S'48-A'55), 4052 Garfield Ave., S., Minneapolis 9, Minn.

GANNETT, DANFORTH K. (M'31-SM'43-F'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

GANNETT, LWOOD K. (A'46-SM'53), Mng. Editor, The Institute of Radio Engrs., Inc., 1 E. 79 St., New York 21, N.Y.

N.Y.

GANNETT, GEORGE L. (S'50-A'53-M'58), Dev. Engr.,
GE Co., Syracuse, N.Y.

GANNON, EDMUND C. (S'55-M'5B), Electronics Scientist,
USN Underwater Sound Lab., New London, Conn.
GANNON, GEORGE F., JR. (A'54), Electronics Technician,
Westinghouse Elec. Corp., Beulah Rd., Pittsburgh 35, Pa.
GANNON, JAMES A., JR. (A'57), Pres. & Genl. Mgr., Universal Transistor Prods. Corp., 17 Brooklyn Ave., Westbury,
L.I., N.Y.
GANNON, MILLARD T. (SM'52). Chief Engr. Miscile Cuid-

GANNON, MILLARD T. (SM'52), Chief Engr., Missile Guid-ance, Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

Hollywood, Calif.

GANNON, PATRICK M. (S'57-M'5B), Assoc. Engr., IBM, Poughkeepsie, N.Y.

GANO, ALFRED S. (A'41-SM'46), Engr., American Machine & Foundry, 90 Bruce Pl., Greenwich, Conn.

GANO, JOSEPH J. (SM'57), Mor., Engrg., Dynamic Controls Co., 1955 Massachusetts Ave., Cambridge 40, Mass.

GANO, LLOYD D. (A'56), Staff, Radio Engr., Pan American World Airways, San Francisco Airport, South San Francisco, Calif.

Calif.

GANO, OVID R. (S'42-A'46-M'55), Asst. Research Prof.,
College of Engrg., Univ. of Florida, Gainesville, Fla.
GANOWSKY, WILLIAM B. (S'55-M'58), Design Engr.,
Douglas Aircraft Co., Sacramento, Calif.
GANS, JOSEPH S. (M'54), Pres., Cable Television Inc.,
120 Carbon St., Weatherly, Pa.
GANSCHOW, DON C. (SM'58), 2332 Robell Dr., Walled
Lake, Mich.

GANSLER, JACQUES S. (M¹58), Sr. Engr., Systems Analysis, Missiles Systems Div., Raytheon Mfg. Co., Bedford, Mass.

GANSTWIG, MAX (SM'57), Asst. Mgr., Packard Bell Elec-tronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.

GANTER, CHARLES F. (M'5B), Sales Engr., GE Co., Syracuse, N.Y.

GANTER, CHARLES F. (M°3B), Sales Engr., de Cot, Syracues, N.Y. GANTERT, ARTHUR (A'51), Partner, Theodore Gantert's Sons, 123-133 Thom St., Reading, Pa. GANZENHUBER, JOHN H. (A'42-SM°54), V. P. & Genl. Mgr., (Partner), Hughey & Phillips, Inc., 3200 N. San Fernando Blvd., Burbank, Calif.

GANZENHUBER, JOHN H. (A'42-SM'54), V. P. & Genl. Mgr., (Partner), Hughey & Phillips, Inc., 3200 N. San Fernando Blvd., Burbank, Calif.
GAON, DAVID (S'53-M'55), Tech. Publications Writer, 3225 Linton Ave., Montreal, P. Q., Canada.
GAPASIN, FERNANDO G. (M'53), Electronics Quality Control Inspector, USAF, Hughes Aircraft Co., Culver City, Calif.
GAPOSCHKIN, EDWARD M. (S'57-M'58), Jr. Engr., Datamatic Corp., 151 Needham St., Newton, Mass.
GARABEDIAN, ARTHUR (S'55-M'57), Electronics Engr., Collins Radio Co., 2700 W. Olive, Burbank, Calif.
GARABEDIAN, HOWARD B. (A'54), Project Engr., RCA, Moorestown, N. J.
GARAFALO, JOSEPH J. (S'45-A'480M'55), Asst. Dir., Field Service & Support, Hughes Altrcraft Co., Box 90515, Internatl. Airport Sta., Los Angeles 45, Calif.
GARAFOLA, JOSEPH R. (A'54-M'59), Research Assoc., Ohio State Univ. Antenna Lab., Columbus 10, Ohio.
GARBARIN, GEORGE S. (S'50-A'51-M'56), Sr. Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
GARBARINO, HAROLD L. (SM'5B), Chief Engr., Electronics, Magnafitux Corp., 7300 W. Lawrence, Chicago 31, Ill.
GARBER, ALAN M. (M'57), Sr. Engr., Semiconductor Operations, CBS-Hyton, Chelmsford St., Lowell, Mass.
GARBER, JAMES F., JR. (M'54-SM'56), Ool., USAF, Dir., Armed Services Electro-Standards Agency, Ft. Monmouth, N. J.
GARBER, LEWIS F. (S'49-A'50-M'56), Electronics Engr., Aerolab Development Co., 2310 W. Holly St., Pasadena, Calif., Aerolab Development Co., 2310 W. Holly St., Pasadena, Calif., Aerolab Development Co., 2310 W. Holly St., Pasadena, Calif., Aerolab Development Co., 2310 W. Holly St., Pasadena, Calif., Aerolab Development Co., 2310 W. Holly St., Pasadena, Calif., Aerolab Development Co., 2310 W. Holly St., Pasadena, Calif., Aerolab Development Co., 2310 W. Holly St., Pasadena, Calif., Aerolab Development Co., 2310 W. Holly St., Pasadena, Calif., Aerolab Development Co., 230 W. Holly St., Pasadena, Calif., Aerolab Development Co., 230 W. Holly St., Pasadena, Calif.

GARBER, LEWIS F. (S'49-A'50-M'56), Electronics Engr., Aerolab Development Co., 230 W. Holly St., Pasadena, Calif. GARBER, ROBERT S. (S'49-A'51-M'56), Engr., The System Development Corp., 2500 Colorado St., Santa Monica, Calif. GARBER, SAMUEL M. (A'53-M'58), Engr., GE Co., Syracuse, N. Y.

GARBER, THOMAS A. (A'53), Engr-in-Chp., Transducer Oev., Sanborn Co., 175 Wyman St., Waltham 54, Mass. GARBERSON, JOHN R. (A'54), Electronics Engr., USAF, 6972nd Support Sodn., Ft. Meade, Md.
GARBLIK, ABNER M. (A'42-SM'53), Mem. Tech. Staff, Ramo-Wooldridge Corp., BB20 Bellanca Ave., Los Angeles, Calif.

Calif.

GARBOWITZ, LEON (A'51), Sr. Engr., Litton Industries, 10916 Washington Blvd., Culver City, Calif.

GARBRECHT, FERNANDO S. (S'55-M'56), Electronics Specialist, GE Co., de Columbia, S.A., AP, Aereo 3644 Bogota, Columbia.

GARBUTT, HENRY E. (A'57), Tech. Assoc., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

GARCEAU, LOVETT (A'31-VA'39-M'55), Dir., Electro-Medical Lab., Inc., 1 Hoofprint Trail, South Woodstock, V.

GARCIA, ARTHUR (S'44-A'4B-M'55), Engr., RCA, Camden,

N.J.
GARCIA, ECTOR E. (S'56-M'5B), Electronics Engr., Hughes
Aircraft Co., Fullerton, Calif.
GARCIA, EOWIN M. (S'54-M'56), Sr. Electronics Engr.,
Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills,
Calif.

GARCIA, GEORGE F. (M'59), Sr. Field Engr., III, Sperry Gyroscope Co., Great Neck, L.I., N.Y. GARCIA, GUILLERMO E. (A'52), TV Studio Engr., KFMB-TV (Wrather-Alvarez Broadcasting, Inc.), 1405 5 Ave., San Diego 9, Calif.

```
GARCIA, GUSTAVO (A'55), Dev. Engr., Aerojet-Gent. Corp., Azusa, Calif.
```

Corp., Azusa, cair.
GARCIA, LEVERNE W., JR. (M'57), Computing Engr., Aero
Jet Genl. Corp., Box 1947, Sacramento, Calif.
GARCIA, OSCAR M. (S'57-M'58), Capt., Science & Engrg.
Div., U.S. Army Combat Surveillance Agency, 1124 N.
Highland St., Arlington, Va.

GARCIA, STEVEN C. (4.736-M/46), Electronics Engr., USAF, Ground Electronics Engrg. Installation Agency, Andrews AFB, Washington 25, D.C.
GARCIA, VIRGIL A. (SM'57), Chief, Wine Systems Branch, Engrg. Div., Signal Communications Dept., USAEPG, Ft. Huachuca, Ariz.

Huachuca, Áriz.

GARCIA DE QUEVEDO, JOSE L. (SM'52), Asst. Dir., Puerto Rico Nuclear Center (Univ. of Puerto Rico), College Sia., Mayaguez, Puerto Rico, College Sia., Mayaguez, Puerto Rico, College Sia., Mayaguez, Puerto Rico, GARD, JESSE J., JR. (M'57), Component Evaluation Engr., Tektronix, Inc., Box 831, Porland 7, Ore.

GARDBERG, JOSEPH (A'51-M'57), Electronics Engr., Motorola, Inc., 4501 Augusta Blvd., Chicago 51, Ill.

GARDELLA, CHARLES E. (M'56), Design Engr., Sylvania Elec. Prods., Inc., 100 1st Ave., Waltham 54, Mass.

GARDEN, MURRAY (A'52-M'57), Group Chief, Data Systems Components, Leeds & Northrop Co., 4901 Stenton Ave., Philladelphia 44, Pa.

GARDENHOUR, ALLEN J., JR. (A'53-M'58), Chief, Test Equipment Group, U.S. Naval Ordnance Lab., Silver Spring 19, Md.

GARDINER, ALAN J. (M'56), Electronics Engr., Aura, Inc., 1033 N. Park, Tucson, Ariz.
GARDINER, BERNARO E. (A'59), 422 Avalon St., San Antonio 1, Tex.
GARDINER, CHARLES E. (M'48), Sulvr., Tech. Publications, Avien, Inc., 58–15 Northern Bivd., Woodside 77, L.I., N.Y.

Antonio 1, Tex.

GARDINER, CHARLES E. (M'48), Sulvr., Tech. Publications, Avien, Inc., 58-15 Northern Blvd., Woodside 77, L.I., N.Y.

GARDINER, FRANK J. (SM'56), Mgr., Engrg. Prods., 1 T E Circuit Breaker Co., 601 E. Erle, Philadelphia 34, Pa.

GARDINER, FRANK J. (SM'49), Subt., of Engrg., Western Electric Co., 204 Grasham-Hopedale Rd., Burlington, N.C.

GARDINER, SEANETH W. (A'50-M'58), Research Engr., Stanford Research Institute, Menio Park, Calif.

GARDINER, RENETH W. (A'50-M'58), Research Engr., Stanford Research Institute, Menio Park, Calif.

GARDINER, PAUL C. (A'41-SM'45), Engr., GE Co., Schenectady 5, N.Y.

GARDINER, RICHARO S. (S'55-A'56-M'57), Lt. Cmdr., USN, Home: 2506 Murray Ave., Norfolk 3, Va.

GARDINER, RICHARO S. (S'55-A'56-M'57), Lt. Cmdr., USN, Home: 2506 Murray Ave., Norfolk 3, Va.

GARDINER, ROBERT A. (SM'56), Head, Control Dev., Thompson-Ramo-Wooldridge, Inc., Electronics Dev., 2196 Clarkwood Rd., Cleveland 3, Ohio.

GARDINER, THOMAS (M'58), Electronics Designer, Los Alamos Scientific Lab., Los Alamos N. M.

GARDINER, ALVIS H. (M'57-SM'58), Sr. Nuclear Engr., Convair, Box 748, Ft. Worth 1, Tex.

GARDNER, ALVIS H. (M'57-SM'58), Sr. Nuclear Engr., Convair, Box 748, Ft. Worth 1, Tex.

GARDNER, BELTON H. (M'56), Electronics Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

GARDNER, BELTON H. (M'56), Electronics Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

GARDNER, BENTON H. (M'56), St. Louis 3, Mo.

GARDNER, CHARLES B. (S'48-A'50-A'58), Owner, Science Now Co., Box 57, Wise, Va

GARDNER, CHARLES B. (S'48-A'50-A'58), Owner, Science Now Co., Box 57, Wise, Va

GARDNER, DERRY H. (A'33-W43-9), Asst. Chief, Geophysics Research, Hurstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif.

GARDNER, FRANK (M'56), Physicist, Plessey Nucleonics, Weedon Rd., Northampton, England.

GARDNER, FREDERCK H. (A'42-SM'59), Project Engr., Raytheon Mg. Co., Wayland, Mass.

GARDNER, JAMES A. (A'58-M'59), Project Engr., Patuxert River, Males A. (A'58-M'59), Project Engr., Patuxert River, Ma

Kiver, Md.
GARDNER, JOSEPH M. (S'49-A'50-SM'58), Sr. Mem.
Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
GARDNER, KENNETH J. (M'45), Oir., Engrg., WROC-TV,
201 Humbold St., Rochester 3, N.Y.
GARDNER, LEONARD B., JI (A'48-M'56), Sr. Engr.,
Litton Industries, 2205 Stoner Ave., Los Angeles 64,
Calif.

Calif.

GARDNER, NEIL H. (S'58-M'59), Circuit Design Engr., Martin Co., Orlando, Fla.

GARDNER, ORVILLE K. (M'57), Maj., U. S., Army Signal Corps, U. S. Army Signal Engrg., Lab., Ft. Monmouth, N. J.

GARDNER, PHILIP S. (J'43 A '43), Tech. Writing, Cushing & Nevell, 101 Park Ave., New York 17, N. Y.

GARDNER, RAYMOND J. (SM'58), Systems Engr., GE

CO., Utica, N.Y.

GARDNER, BEDDAND S. (MYS),

CO., Utica, N.Y.

GARDNER, REDMOND S. (M'56), Asst. Secy., Tech. Activities, American Institute of Electrical Engrs., 33 W. 39 St., New York 18, N.Y.

GARDNER, RICHARO (A'55), Staff Engr., Genl. Atronics, 1 Bala Ave., Bala Cymwyd, Pale Engr., Genl. Atronics, 1 Bala Ave., Bala Cymwyd, Pale Engr., Genl. Atronics, 1 Airborne Instrument Lab., Mineola, L.I., N.Y.

GARDNER, RICHARO K. (S'52-A'54-M'58), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

GARDNER, ROBERT A. (A'53), Electronic Inspection & Maint., Delco-Remy, Columbus Ave., Anderson, Ind.

GARDNER, ROBERT O. (S'49-A'50-M'55), Engrg. Mgr., Standard Coll Prods., 2085 N. Hawthorne, Melrose Park, III.

GARDNER, ROBERT S. (SM'58), V.P., Engrg. & Production, Wyle Labs., 128 Maryland St., El Segundo, Calif.

GARDNER, RONALD A. (S'58-M'59), 15000 Euclid Ave., East Cleveland 12, Ohio.
GARDNER, RONALD J. (A'57), Alberta Govt. Telephones, Peace River, Alta., Canada.
GARDNER, THURMAN W. (S'53-A'55), Head, Instrumentation Design & Dev. Group, Thiokol Chemical Corp., Brigham City, Utah.
GARDNER, WARREN H. (A'56), District Mgr., McGraw-Hill Publishing Co., Inc., 6 Penn Center Plaza, Philadelphia, Pa.
GARDNER WILLIAM J. (SM/59), Souff, MIJ Livroin Lab.

Philadelphia, Pa.

GARDNER, WILLIAM L. (SM'59), Staff, MIT Lincoln Lab., Lexington 73, Mass.

GAREE, J. ALLEN, JR. (M'55), Field Engr., Philoc Corp., Philadelphia 32, Pa.

GAREIS, GEORGE E. G'56-M'58), Instr., Engrg. Mech. Debt., Univ. of Kansas, Lawrence, Kan.

GARELIS, CASSY (S'48-M'51), Sr. Engr., Ford Motor Co., Box 2053, Dearborn, Mich.

GARFIELD, OWEN R. (SM'55), Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.

GARFIKHO, JOWEN R. (S'48-A'49-M'55), Project Supvr., Ford Instrument Co., 31-10 Thompson Ave., Long Island City 1, N. Y.

GARFIKKEL, BERNARD D. (S'55-M'56), Engr., LTT

City 1, N. Y.

GARFINKEL, BERNARD D. (S'55-M'56), Engr., ITT
Labs., Nutley 10, N.J.

GARFUNKEL, ALVIN C. (S'56-M'58), Asst. Project
Engr., Kearfolt Co., Inc., 1500 Main Ave., Clifton, N.J.
GARIANO, WILLIAM F. (A'53-M'55-SM'59), Assoc.
Research Engr., Burroughs Research Center, Paoli, Pa.

GARIFO, N. A. (M'59), Electronics Engr., IBM, Yorktown,
N.Y.

N.Y.

GARKAV, EMIL (A'47-M'55), Project Engr., Philico
Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
GARLAN, HERMAN (M'46), Chief, Experimental Branch,
Office of Chief Engr., FCC, Washington 25, D.C.
GARLAND, JOHN E. (S'56-M'58), Jr. Engr., StrombergCarlson Co., 1400 N. Goodman St., Rochester 9, N. Y.
GARLAND, MILTON D., JR. (S'50-A'51-M'56), Test
Engr., Rocketdyne, Canoga Park, Calif.
GARLAND, WILLIAM J. (A'57), Engrg. Aide, Scientific
Radio Prods., Inc., 215 S. 11 St., Omaha, Neb.
GARLINGTON, ARTHUR R., JR. (A'55), Systems Review
Officer, Dev. Div., Field Command, Armed Forces Special
Weapons Project, Sandia Base, Albuquerque, N.M.
GARMAN, DONALD F. (A'52-M'57), Weapon System Engr

Officer, Dev. Div., Field Command, Armed Forces Special Weapons Project, Sandia Base, Albuquerque, N.M.
GARMAN, DONALD F. (A'52-M'57), Weapon System Engr., USAF, ATIC., AFCIN 475, Wright-Patterson AFB, Ohio.
GARMAN, RAYMOND L. (A'39-8M'51-F'58), V. P., Engrg. & Research, Genl. Precision Equipment Corp., 92 Gold St., New York, N. Y.
GARNER, HARVEY L. (S'51-A'51-M'57), Asst. Prof., Univ. of Michigan, Ann Arbor, Mich.
GARNER, WILLIAM, JR. (S'55-A'56-M'58), Research Engr., Applied Research Associates, Inc., 6541 N.
Lamar 8194, Austin 57, Tex.
GARNER, WILLIAM E. (M'55), Electronics Scientist, Naval Research Lab, Washington 25, D.C.
GARNER, WILLIAM J. (S'56-A'57), Sr. Electronics Technician, Sylvania Elec. Prods., Inc., Radio Tube Div., Emporium, Pa.
GAROFF, KENTON (A'44-M'55), Dir., Electron-Tube Div., J. S. Army Signal Research & Dev. Labs., Belmar, N. J.
GARON, ALLEN J. (SM'57), Engrg. Group Head, Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex.
GARON, ROBERT J. (M'53), V. P., Wyle Labs., 128
Maryland St., El Segundo, Calif.
GAROS, STERGIOS J. (A'57), Box 192, Rodman, Canal Zone.
GAROVE, FRANCIS P. (A'59), Engr., Martin Co.,

Zone GAROVE, FRANCIS P. (A'59), Engr., Martin Co., Baltimore 3, Md.

GAROVE, FRANCIS P. (A'59), Engr., Martin Co., Baltimore 3, Md.
GARR, DONALD E. (SM'55), Mgr., Engrg., Armament & Control Sect., GE Co., Johnson City, N. Y.
GARRAND, LLOYO W. (M'47-SM'50), Mgr., Quality Control, Fairchild Astrionics Div., Wyandanch, L.I., N. Y.
GARRAND, JOHN T. (S'55-M'56), Group Leader, Systems Analysis Engrg., The Martin Co., Orlando, Fla.
GARRAND, RICHARD F. (M'57), Facilities & Installation Analyst, GE Co., 1103 N. Certral Ave., Phoenix, Ariz.
GARRATT, PHILIP M. (S'40-A'42-M'55), Electronics Control Engr., GE Co., Schenectady 5, N. Y.
GARRETSON, CRAIG M. (A'52-SM'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N. Y.
GARRETSON, EVERETT 8. (S'43-A'45-S'47-A'51-M'58), V.P., Geni. Devices, inc., Princeton, N.J.
GARRETSON, HARRY W. (A'48-M'55), Elec. Engr., Bureau of Reclamation, Denver Federal Center, Denver, Colo.
GARRETT, BERNARD R. (A'53), Asst. Chief Engr., Loral Electronics Corp., 825 Bronx River Ave., Bronx 72, N. Y.
GARRETT, CURTIS L. (A'54), Retired, 208 W. Greenwood Rd., Linthicum Heights, Md.
Components & Display Systems Engrg., GE Co., Syracuse, N. Y.
GARRETT, ERNEST D. (A'46), Owner & Mgr., Equipment

Components & Display Systems Engrg., GE Co., Syracuse, N.Y.

GARRETT, ERNEST D. (A'46), Owner & Mgr., Equipment Design & Development Co., Box 3627, Shreveport, La.
GARRETT, EVERETTET. (A'42-M'55), Maj., Hors. Sqdm., Defense, 64th Air Div., St. John's, Nifd., Canada,
GARRETT, L. BYRON, JR. (A'54), Design Engr., RCA, Camden, N. J.
GARRETT, LEWIS F. (A'52), Electronics Scientist,
Math. Bureau of Standards, Washington 25, D.C.
GARRETT, SAMUEL J. (S'56-M'58), Jr. Engr.,
Westinghouse Elec. Corp., East Pittsburgh, Pa.
GARRETT, WILLIAM A. (A'55), Area Equipment Maint.
Suppr., A*\$T Co., 324 E. 11 St., Kansas City 6, Mo.
GARRETT, WILLIAM O. (S'42-A'46-SM'55), Head, Systems Planning Group, Combat Surveillance Project, Cornell Acronautical Lab., Inc., 1124 N. Highland St., Arinigton 10, Va.

GARRETTO, LEONARD A., JR. (A'51-M'56), Administrative Engr., Marine Div., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

I., N. Y.

GARRIDO, RAFAEL A. P. (A'58), Tech. Translator & Librarian, Fab., Fabrica Militar Material Communicaciones y Equipos, Gral. Savlo y Junin, San Martin, FCNG8M, Argentina.

GARRIGAN, THOMAS E. (A'52), Tech. Writer, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

GARRIGUS, NORMAN F. (S'48-A'50-M'55), Mai , USAF, Electronic Countermeasures Officer, Directorate of Research & Dev., Hors., USAF, Washington 25, D. C. GARRIGUS, WALTER E. (S'43-A'45-M'54-SM'57), Mem. Argeles 45, Calif.

Angeles 45, Calif.

GARRIOTT, OWEN K. (S'53-A'53-M'59), 2366 Jane Lane, Mountain View, Calif.

GARRISON, CHARLES P., JR. (S'50-A'53-M'57), Asst. Project Engr., Bendix Radio Div., Towson 4, Md.

GARRISON, G. JACK (S'57-M'58), Transmission Engr., British Columbia Telephone Co., Vancouver, B.C., Canada.

GARRISON, GLENN W. (S'57-M'58), Electronics Engr., Motorola, Inc., 8330 Indiana, Riverside, Calif.

GARRISON, JOHN P. (M'55), Chief Engr., Sta. Mgr., WFUN, 410 W. Holmes St., Huntsville, Ala.

GARRISON, PAUL A. (M'58), 111 Hickory Lane, Rosemont, Paul December 1988.

GARRISON, PAUL A. (M'58), 111 Hickory Lane, Rosemont, Pa.

GARRISON, RICHARD J. (S'55-M'57), Engr., New York Telephone Co., 140 West St., New York 7, N.Y.

GARRISON, WILLIAM E. (M'50), Chief Engr., WFBC-TV-MISSON, WILLIAM E. (M'50), Chief Engr., WFBC-TV-AM-FM, 505 Rutherford St., Greenville, S. C.

GARRISON, WILLIAM E. (M'50), Chief Engr., WFBC-TV-AM-FM, 505 Rutherford St., Greenville, S. C.

GARRISON, FLOYD K. (A'55), Engr., No. Amer. Aviation, Internatl. Airport, Los Angeles 45, Calif.

GARRITY, GEORGE E. (A'58), Project Engr., Penn Keystone Corp., Hawkins St., Derby, Conn.

GARROTT, LESLIE O. (S'57-M'59), 12 Boswell Rd., Mariton, N.J.

GARROTT, WILLIAM L. (S'51-A'52-SM'55), Engr., Sperty Electronic Tube Div., Gainsville, Fla.

GARROW, STANLEY H. (M'56), Supvr., Missiles, Bendix Prods. Div., 400 S Beiger St., Mishawaka, Ind.

GARRY, GERALD A. (S'53-M'56), Assoc. Engr., IBM, Endicott, N.Y.

GARSHELIS, IVAN J. (A'54), Chief Engr., Dev., Research

GARTY, GENALU A. (S'53-M'56), Assoc. Engr., (BM, Endicott, N.Y.
GARSHELIS, IVAN J. (A'54), Chief Engr., Dev., Research Associates, Inc., 1618 E. Elizabeth Ave., Linden, N.J.
GARSHMAN, GILBERT (S'58-M'59), Elec. Engr., Ebasco Services, Inc., 2 Rector St., New York 6, N.Y.
GARSTANG, EUGENE L. (A'57), Asst. Design Engr., Gibbs & Hill, Inc., 461 B Ave., New York 1, N.Y.
GARSTANG, WILLIAM W. (A'31-M'35-SM'41), Chief Engr., Electronics Oiv., Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
GARTEN, LOUIS A. (M'55), Pres., Louis A. Garten & Associates, 645 Eagle Rock Ave., West Orange, N. J.
GARTHWAITE, JOHN L. (A'54), N.Y. Service Mgr., Marconi Instruments, 111 Cedar Lane, Englewood, N. J.
GARTNER, BARRY L. (M'57), Instr., Officer Training Oiv., RCAF, Clinton, Ont., Canada.
GARTNER, GEORGE W. (M'59), Jr. Engr., ITT Labs., Nutley 10, N. J.
GARTNER, JOSEF K. (S'49-A'53-S'55-M'56), Engr..

Nucley 10, N. J.

GARTINER, JOSEPH J. (M'52), Pres., Garand Tool & Die
Works, Inc., 2-10 Main St., Little Ferry, N. J.

GARTNER, WOLFGANG W. (M'54), Chief Scientist, Solid
State Devices Div., U. S. Amy Signal Research & Dev.
Lab., Ft. Monmouth, N. J.

GARTINER, FRED J. (S'45-A'49-M'55), Sr. Engr., Melpar,
Inc., 3000 Adrington Blvd., Falls Church, Va.

GARUD, GANGADHAR N. (M'59), Govt. Engrg. College,
Jabalpur 4, India.

Janaspur 4, India.
GARVER, RICHARD H. (A'57), Lab. Technician, Electronic
Communications, Inc., St. Petersburg, Fla.
GARVER, ROBERT V. (M'57), Physicist, Diamond Ordnance
Fuze Labs., Washington 25, O.C.
GARVILLE, LEO R. (M'58), Engr., Arma Div., Garden City,
L.I., N.Y.

L.I., N.Y.

GARVIN, CLIFTON W. (S'55-A'57), Calibration Engr., Crosley Div., Avco Mfg. Corp., Cincinnati 15, Ohio.

GARVIN, JOHN A. (M'57), Sales Engr., J.T. Hill Co., 420

S. Pine, San Gabriel, Calif.

GARY, AROYTH H. (M'57), Chief Engr., Electronics Oiv.,
P.R. Mallory & Co., Inc., 3029 E. Washington, Indianapolis, Ind. apolis, Ind.

GARZOLI, FULVIO F. (S'50-A'52-M'57), Sr. Project Engr., Lynch Carrier Systems, Inc., 695 Bryant St., San Francisco 7, Calif.

7, Calif.

GASCHI, JEAN F. (M'54), Head of Application Lab., Radiotechnique, 51 Rue Camot, Suresness, France.

GASCHNIG, GUSTAVE R. (S'53-M'57), Electronics Design Engr., RCA, Camden, N. J.

GASKELL, ROBERT J. (A'53), Sr. Lab. Technician, Electronic Associates, Inc. Long Branch Ave., Long Branch, N. J.

GASKELL, WILLIAM M. (A'56), Automatic Control Technician, Newfoundland Light & Power Co., Ltd., St., John's, CASKII.

Nfld., Canada.
GASKILL, MARVIN L. (A'59), Self-Employed, 5 Springdale Rd., Martton, N.J.
GASKILL, ROGER A. (A'53-M'58), Research Engr., Ford Motor Co., 80x 2053, Dearborn, Mich.
GASKINS, FRANKLIN J. (A'53), Tech. Supvr., NBC, Sunset & Vine, Hollywood, Calif.
GASKINS, SYLVESTER M. (A'51-M'58), Sales, The Oil Daily, 59 E. Van Buren St., Chicago, III.
GASPAR, ALFREO F. (M'58), 24 Floyd Dr., Rochester 23, N.Y.

N. Y.

GASPAROVITCH, STEPHEN (A'51), Radio Tech., RCAMissile Test Project, Patrick AFB, Fia.

GASPER, CHARLES A. (S'52-A'53), Research Engr., Litton
Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.

GASS, CHARLES A. (M'58), Electronics Engr., Martin Co.,
Orlando, Fia.

Orlando, Fla.

GASS, FRANK G. (A'58), Engrg. Writer, Southwestern Industrial Electronics Co., Houston 19, Tex.

GASSEN, JOSEPH A. (M'59), Electronics Engr., U.S. Civil Service Commission, ARGMA, Humsville, Ala.

GASSER, CHARLES D. (A'51), Adv. Oept., Tektronix, Inc., Box 831, Portland 7, Ore.

GASSLER, JOHN H. (S'54-M'56), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

GASSNER, FRANK (A'77), Pres., Gassner & Clark Co., 6644
N. Western Ave., Chicago 45, III.

GAST, DAVID A. (S'54-A'56), R.R. 2, Box 173, Valparaiso, Ind.

GAST, RAYMOND W. (M'51-SM'57), Supvg. Engr., Video Transmission, New York Telephone Co., 140 West St., New York 7, N.Y.

GAS-GEI - 183 -

- GASTINEAU, LLOYD (A'53-M'5B), Sr. Research Engr., Con-

- GASTINEAU, LLOYD (A'53-M'5B), Sr. Research Engr., Convair, Pomona, Calif.
 GASTON, CHARLES W. (M'56), Aerophysicist Engr., Convair, Box 748, Ft. Worth, Tex.
 GASTON, JACK L. (S'53-M'57), Sr. Engr., Litton Industries, 336 N. Foothill Road, Beverly Hills, Calif.
 GASTON, JAMES B. (A'53-M'58), Mem. Tech. Staff, Hughes Aurcraft Co., 1901 W. Malvern Ave., Fullerton, Calif.
 GASTON, ROY N. (A'55), Research Group Engr., Nortronics Div., Northron Corp., Hawthorne, Calif.
 GASTON, SALMET, (A'59), 92 Rue Brillat Savarin, T.R.T., Paris 13, France.
 GATCH, CHARLES E. (A'49), Electronics Engr., Charleston Naval Shipyard, Charleston, S.C.
 GATEKA, FREDRICA A. (M'57), Dev. Engr., Westerm Electric Co., c/o Bell Tel. Labs., Whippany, N. J.
 GATES, ALLEN F. (A'53-M'5B), Elec. Engr., Westinghouse Elec. Corp., Box 1047, Pittsburgh 30, Pa.
 GATES, CLARENCE R. (A'51-M'56), Chief, Guidance Analysis Sect., California Institute of Technology, Jet Proulsion Lab., Pasadena, Calif.
 GATES, DAVID E. (S'55-M'5B), Projects Research Officer, Air Dev. Sodn. 5, USN, NAF, China Lake, Calif.
 GATES, EARLE K. (S'50-A'53-M'5B), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.
 GATES, FRANKLIN Y. (A'51-M'56), Owner, Gates Co., 200 S. Main St., Salt Lake City 1, Utah.
 GATES, HOWARD A. (M'33-S-M'43), Mirs. Rep., Howard A. Gates Co., 1819 Hammon Pl., Glendale B, Calif.
 GATES, GOUND P., JR. (S'39-A'41-M'47-SM'55), Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 GATES, GOUND P., JR. (S'39-A'41-M'47-SM'55), Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 GATES, ROBERT S. (A'45-M'55), Chief Engr., Southern Bell Tel. & Tel. Co., Louisville 1, KY.
 CATES, WILLIAM F. (A'44-M'55), Chief Engr., Southern Bell Tel. & Tel. Co., Louisville 1, KY.
 CATES, HULLIAM R. (A'43-M'55), Chief Engr., Navy Dept., New York Naval Shipyard, Brooklyn 1, N.Y.
 GATES, Land-Air, Inc., Holloman AFB, N.M.
 GATTON, HARRY F. (SM'59), Repairman Plant Dept., New York Naval Shipyard, Brooklyn 1, N.Y.
 GAUTON, HARRY F. (SM'59), Repairman Plant Dept., New York Naval Shipyard, Br

- GAUBECA, JESS B. (S'42-A'43-S'55-M'56), Regional Engr., Westinghouse Elec. Co. of Mexico, Ave. Jaurez #4, D. F. Mexico.

- D.F. Mexico.

 GAUDE, WILLIAM G. (M'57), Head, Circuit Design Group,
 Hughes Aircraft Co., Culver City, Calif.

 GAUDERNACK, LEIF F. (SM'43), Tech. Mor., A/S
 Elektrisk Bureau, Middelthunsgt 17, Oslo, Norway.

 GAUDIUSI, JAMES V. (A'58), Sr. Systems Engr., Mid
 Century Instrumatic, 611 Broadway, New York, N.Y.

 GAUGER, ROBERT H. (S'49-A'50-M'55), Engr.,
 Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

 GAUGHRAN, GERALD W. (S'58-M'59), Research Fellow,
 Elec. Engr., Univ. Of Minnesota, Linac Lab., BO E.

 River Flats, Minneapolis, Minn.

 GAILL FDWARD R. (SW'55). Engr., Hughes Aircraft Corp.

- River Flats, Minneapolis, Minn.
 GAUL, EDWARD R. (SM'55), Engr., Hughes Aircraft Corp.,
 111 & Hindry, Los Angeles, Calif.
 GAUL, HOMAS W. (4755-M'57), Sr. Sales Engr.,
 Kitleson Co., 416 N. Labrea, Los Angeles, Calif.
 GAULDIN, CLARENCE B. (S'49-A'50-M'56), Research &
 Dev. Engr., Helipot Div., Beckman Instruments, 2500
 Fullerton Rd., Fullerton, Calif.
 GAULIN, ROLAND J. (4'59), TechRep., Canadian Aviation
 Electronic, 6214 Cote de Liesse, Montreal, P.Q., Canada.
 GAULI, RUSSELL M. (S'53-M'55), Electronics Engr.,
 Advance Industries, Inc., 640 Memorial Dr., Cambridge
 39, Mass.
 GAULT, WILFORD E. (S'43-A'45-M-55).

- Advance Industries, Inic., 640 Memorial Dr., Cambridge 39, Mass.

 GAULT, WILFORD E. (S'43-A'45-M'55), Partner, W.E. Gault Associates, Gardner, Kan.

 GAUMANN, TINO (A'53-M'55), Sc. Nat., Federal Institute of Technology, Universitatistr. B, Zurich, Switzerland.

 GAUNT, ARTHUR E. (S'56-M'58), Electronics Engr., Motorola, Inc., 3102 N. 56 St., Phoenix. Ariz.

 GAUNT, WILMER B., JR, (M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 GAUNTLETT, G. A. R. (A'43-M'48), Chief Communications Engr., Post & Telegraph Dect., General Post Office, Kingston, Jamaica, British West Indies.

 GAUPER, HARQLD A., JR. (SM'57), Electromagnetic Interference Control Engr., GE Co., Schenectady, N.Y.

 GAURONSKAS, PETER, C'S'56-M'56), Research Test Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Bivd., Santa Monica, Califi.

 GAUS, ADAM (S'56-M'58), Engr., Airborne Instrument Lab.,
- Blvd., Sarta Monica, Calif GAUS, ADAM (S'56-M'5B), Engr., Airborne Instrument Lab., Walt Whitman Rd., Melville, L. I., N. Y. GAUS, EDWARD L. (S'55-M'59), Project Electronics Engr., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

- O. S., Amily Shallan Research a Deteroinment East, "Monmouth, N.J.

 GAUSMAN, GERARD G. (S'5B-M'59), Design Engr., Bell Aircraft Corp., Box J., Buffalo 5, N. Y.

 GAUSMAN, THOMAS E. (S'52-A'53-M'5B-SM'5B), Sr. Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 GAUSMANN, W. H. (S'52-A'53), Technician, Sierra Electronic Corp., 3BB5 Bohamon, Menlo Park, Calif.

 GAUSS, HARRY (A'41-M'55), Supry. Patent Examiner, Classifler, U. S. Patent Office, 14 & E. Sts., N. W., Washington 25, D.C.

 GAUTBY, HUBERT R. B. (A'36), Grove House, Sunnyside, Alsager, Stoke-on-Trent, England.

 GAUTHERIN, GEORGE A. (M'577), Dev. Engr., Andrea Radio Corp., 27-Ol Bridge Plaza, A., Long Island City, N.Y.

 GAUTHER, GHISLAIN M. (S'55-M'56), Sales Promotion Engr., Northern Electric Co., Ltd., Lachine, P.Q., Canada.

- GAUTHIER, RICHARD L. (S'5B-M'59), Elec. Engr., U. S. Naval Avionics Facility, 21 & Arlington St., Indianapolis 1B, Ind.

- Naval Avionics Facility, 21 & Arlington St., Indianapolis 1B, Ind.

 GAUTHER, ROBERT V. (A'55), Electronics Engr., Allen B, DuMont Labs., 2 Main Ave., Passaic, N. J.

 GAUTHER, ROBERT V. (A'54), Pres., Missile Electronics Engr., Co., 14644 Keswick St., Van Nuys, Calif.

 GAUTNEY, LARRY L. (A'54), Pres., Missile Electronics Engr., Co., 14644 Keswick St., Van Nuys, Calif.

 GAUVENET, ANDRE J. (A'54), Engr., Commissariat a l'Energie Atomique, 69 Rue de Varenne, Paris 7, France.

 GAUVEY, MARY P. (M'56), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 GAVALDON, A.L. (A'54), Maint. Engr., KTSM, BO1 N. Oregon, El Paso, Tex.

 GAVENAS, ALFRED R. (S'53-M'57), Engr., Western Electric Co., 220 Church St., New York, N.Y.

 GAVENAN, EUGENH. (S'55-M'56), Engr., Sperry Gynscope Co., Great Neck, L.I., N.Y.

 GAVILAN, EUGENHE. (S'55-M'57), Engr., Sperry Gynscope Co., Great Neck, L.I., N.Y.

 GAVILAN, EUGENE C. (S'54-M'55), Ingeniero, Radio Nacional de Espana, Av. de la Habana 77, Madrid, Spain.

 GAVIN, JAMES M. (SM'5B), Arthur D. Little, Inc., 35

 Acom Park, Cambridge 40, Mass.

 GAVIN, ROBERT F. (S'49-A'52-M'57), Electronics Engr., Comell Aeronautical Lab., Buffalo, N.Y.

 GAVINSKI, VICTOR A. (S'50-A'51-M'56), Elec. Engr.,

 RCA, Camden, N. J.

 GAVSIE, FREDERICK J. (M'59), Engr., Canadian Broadcasting Corn., 5253 Decarie Blvd., Montreal, P. Q., Canada.

 GAW, NORMAN W., JR. (M'56), Chief Engr.,

 Measurements Div., McGraw -Edison, Intervale Rd.,

 Boonton, N.J.

 GAWEL, EUGENEW. (A'50), Field-Sales Engr., Magnecord, Inc., 1101 S. Kilbourn, Chicago 24. III

- Boonton, N.J.

 GAWEL, EUGENE W. (A'50), Field-Sales Engr., Magnecord, Inc., 1101 S. Kilbourn, Chicago 24, III.

 GAWLER, HENRY C. (M'23-SM'43)(L), Partner, Gawler-Knoop Co., 17B Eagle Rock Ave., Roseland, N.J.

 GAY, ALFRED C. (SM'5B), Mgr., Range Systems, RCA, Moorestown, N.J.

 GAY, GORDON L. (A'57), Communications Technician, Federal Electric Corp., Box 153, Anchorage, Alaska.

 GAY, JAMES W. (S'50-A'51-M'56), Production Engrg.

 Mgr., Industrial Nucleonics Corp., 1205 Chesapeake
 Ave., Columbus 12, Ohio.

 GAY.JOHN L. (S'58-M'5B), Geophysical Trainee, Imperial

- GAY, JOHN L. (S'58-M'58), Geophysical Trainee, Imperial Oil Co., 300 9 Ave., W., Calgary, Alta., Canada. GAY, ROBERT E. (M'5B), Electronics Engr., U.S. Naval Shipyard, Charleston, S.C.

- Shibyard, Charleston, S.C.
 GAY THOMAS W., JR. (S'49-A'52-M'57), Mgr., Final
 System Test, IBM, Kingston, N.Y.
 GAY, WILBUR D. (M'51), Electronic Specialist Foreman,
 Bendix Aviation Corp., Kansas City, Mo.
 GAYDOS, GEORGE J. (A'31-VA'39-M'55), Electronics Design Engr., Lear, Inc., 110 Ionia Ave., N. W. Grand Rapids 2, Mich.
 GAYER (JAN), Mich.
- GAYLORD, JOHN K. (S'42-A'46-M'50-SM'54). Mem., Internati. Frequency Registration Board, Internati. Telecommunications Union, Palais Wilson, Geneva, Switzerland. GAYES, FRANK J. (M'57), Dev. Engr., Shure Bros., 222 Hartrey Ave., Evanston, III.

 GAYLE, ALVIN (S'49-A'50-M'55), Project Engr., Computer Systems Dev., IBM, Poughkeepsie, N.Y.

 GAYLOR, RANDALL (S'52-A'53-M'58), Sr. Project Engr., Sperry Phoenix Co., Phoenix, Ariz.

 GAYLORD, JOHN W. (M'57), Engr., RCA, New Holland Pike, Lancaster, Pa.

 GAYLORD, ROBERT S. (S'55-M'56), Mem. Tech. Staff, Space Technology Labs., 5500 W. El Segundo, Los Angeles, Calif.

 GAYLORD RUSSELL E. (A'45-M'52). Flactronic Scientist

- Angeles, Calif.

 GAYLORD RUSSELLE. (A'45-M'52), Electronic Scientist,
 Naval Research Lab., Washington 25, D.C.

 GAYNOR, EMIL (S'49-A'51-M'53-SM'57), Mgr., Systems
 Projects, RCA, Moorestown, N. J.

 GAYNOR, NATHAN (M'56), Sr., Project Mgr., David Taylor
 Model Basin, Code 557, Washington 7, D.C.

 GAYOSO, RICAROO A. (S'54-M'55), Ingeniero, Comision
 de Energia Atomica, Avda. Lib., Sam Martin B250, Buenos
 Aires, Argentina.

 GAYRON, GARY S. (S'54-M'5B), Physicist, USAF, Air
 Force Special Weapons Center, Hgrs., AFSWC, Kirtland
 AFB, N. M.

 CAYTON, CHARLES E. JR., (A'54), Engineering
- Force Special Weapons Center, Hgrs., AFSWC, Kirlland AFB, N. M.
 GAYTON, CHARLES F., JR. (A'54), Engineering Maintenance, CBS, 1313 Vine, Los Angeles, Calif.
 GAZALE, MIDHAT J. (M'57), Project Engr., 18M-France, 162 Rue de Charenton, Paris 12, France.
 GAZE, RALPH H. (S'54-M'57), Research Engr., Page Communications Engrs., Inc., 710 14 St., N. W., Washington 7, D.C.
 GAZIANO, JOSEPH S. (M'5B), Dir., Industrial & Military Services, Genl. Electronic Labs., Inc., 195 Massachusetts Ave., Cambridge, Masss.
 GAZIN, HENRY E. (M'5B), Design Engr., 517 S. Orange Ave., Scottsdale, Ariz.
 GAZIGLI, JERRY J. (A'56), Microwave Engr., Loral Electronics Corp., B25 Bronx River Ave., Bronx 72, N.Y.
 GEARHART, JAMES J. (A'56), Capt., USAF. Home: Sunny Dr., RR 4, Xenia, Ohio.
 GEARNI, JOHN H., JR. (S'52-A'55-M'59), Engr., Western Electric Co., 1600 Osgood St., North Andover, Mass.
 GEARN, GEORGE R. (S'53-A'55), Engr., Boeing Almiane

- Mass.
 GEARN, GEORGE R. (S'53-A'55), Engr., Boeing Airplane
 Co., Box 3707, Seattle 14, Wash.
 GEARY, BERTRAM H. (A'56), Dry Type Transformer Engr.,
 Canadian GE Co., 940 Lansdowne Ave., Toronto 4,
 Ont., Canada.
 GEARY, JOHN T. (S'52-A'54-M'5B), Lt. Cmdr., USN,
 COMSERVLANT, U.S. Naval Base, Norfolk 11, Va.
 GEARY, LEO W. (S'46-A'49-M'55-S-M'5B), Research
 Staff Engr., Hughes Aircraft, Culver City, Callf.
 GLASLY, RUBERT E. (S'52-A'54-M'5B), Engr., GE
 Co., Syracuse, N.Y.
 GEBEL, JAMES L. (A'56), Telemeter Systems Research &
 Dev., Lockheed Missiles & Space Div., 7707 Woodley,
 Van Nuya, Callf.
 GEBERT. CHARLES T. (S'56-M'5B), Elec. Engr., Sandia
- Vall 1093/Latin GEBERT, CHARLES T. (S'56-M'5B), Elec. Engr., Sandia Corp., Sandia Base, Albuquerque, N.M. GEBHARD, LOUIS A. (A'20-M'42-SM'43-F'49), Supt., Radio Div., Naval Research Lab., Washington 25, D.C.

- GEBHARDT, CARL C. (S'50-A'52-M'57), Elec. Engr., Hughes Aircraft Co., 4345 W. Artesia, Fullerton, Calif. GEBHARDT, FRANK L. (M'58), Instr., Elec. Engrg. Dept., Lafayette College, Easton, Pa. (Bernard), CEC., Semiconductor Prods., 11840 W. Olymbic Blvd., Los Angeies, Calif. GEBHARDT, JULIUS W. (A'50-M'55), Engrg. Sect. Head, Microwave Electronics, Sperry Gyroscope Co., Great Neck L.I., N.Y. (GEBHARDT, RAYMOND J. (A'59), District Mgr., MEPCO, Inc., 37 Abbett Ave., Morristown, N.J. (GEBHART, JOHN H. (S'50-A'51-M'56), Electronics Engr., Eye Research Foundation, B218 Wisconsin Ave, Bettlesda 14, Md. (GEDANCE, ALAN R. (A'53-M'5B), Sr. Engr., Westinghouse

- Engr., Eye Research Foundation, B216 Wisconsin Ave, Bethesda 14, Md.

 GEDANCE, ALAN R. (A'53-M'58), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 GEDDES, DAVID A. (M'58), Engr., Alto Scientific Co., Inc., B55 Commercial, Palo Alto, Calif.

 GEDDES, LESLIE A. (A'47-M'55-SM'58), Dir., Lab. of Biophysics & Asst. Prof., Physiology, Baylor Medical College, 1200 M.D. Anderson Blvd., Houston 25, Tex.

 GEDDES, ROBERT N. (M'58), Engr., Hughes Aircraft Co., Box 90515, Los Angeles 45, Calif.

 GEDDY, GEORGE B. (M'58), Chief Engr., Photocircuits Corp., 31 Seacliff Ave., Glen Cove, L.I., N.Y.

 GEDNEY, ALONZO G. (M'57), Sr. Engr., Sperry-Rand Corp., Marine Division, Garden City, L.I., N.Y.

 GEDNEY, RONZER C. (M'58), Mulsutrial Mngt. Engr., IT & T, 67 Broad St., New York, N.Y.

 GEDNEY, RONALD W. (S'57-M'58), Engr., IBM, Poughkeepsie, N.Y.

 GEDULD, ALBERT (M'56), Group Léader, Communications Div., The Ramo-Woodridge Corp., 3500 W. El Segundo, Los Angeles, Calif.

 GEDULD, DONALD S. (S'54-M'58), Medical Electronics, Rockefeller Institute, 66 St. & York Ave., New York 21, N.Y.

 GEE, HARRY, P. S. (S'54-M'56), Assoc. Engr., Boeing Alpalage Co., Box 3707, Saattle 14, Medical Electronics, Rockefellor Institute, 66 St. & York Ave., New York 21, N.Y.

- Rockefeller Institute, 66 St. & York Ave., New York 21, N.Y.

 GEE, HARRY P. S. (S'54-M'56), Assoc. Engr., Boeing Airplane Co., Box 3707, Seattle 14, Wash.
 GEE, HERBERT W. (S'53-A'53), Electronics Engr., San Francisco Naval Shioyard, San Francisco, Calif.
 GEE, LANGHORNE S. (A'56), Sr. Electronics Research Engr., Lockheed Missiles & Space Div., Sunnyvale, Calif.
 GEE, LIN C. (M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
 GEE, LIN C. (M'56), Electronics Engr., Natl. Security Aspency, Washington 7, D.C.
 GEEN, WALLIAM S. (SM'59), Electronics Engr., Natl. Security Aspency, Washington 7, D.C.
 GEEN, WALTER E. (S'53-A'55), Design Engr., RCA Communications, Inc., 60 Braod St., New York 4, N.Y.
 GEER, DONALD A. (S'50-A'51), TechRep., Philoc Corp., 25 St. & Lehigh Ave., Philadelphia 32, Pa.
 GEER, WILLARD (SM'54), Physics, Assoc. Prof., Univ. of Southern California, Consultant on Color TV, Hoffman Radio Corp., 3761 S. Hill St., Los Angeles 7, Calif.
 GEERY, PAUL W. (A'46), V. P., Southwestern Industrial Electronics Co., 10201 Westheimer, Houston, Tex.
 GEFFE, PHILIP R. (M'55), Chief Filter Engr., North Hills Electronics Co., Inc., 402 Sagamore Ave., Mineola, L.I., N.Y.
 GEGERNHEIMER, RAYMOND F. (S'49-A'50-M'55), Project
- GEGENHEIMER, RAYMOND F. (S'49-A'50-M'55), Project Engr., Group Leader, Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J.

- Clifton, N.J.

 GEGENHEIMER, WILLIAM C. (A'42-SM'49), Dext. Chief, Electronic Military Dev. Engrg., Bell Tel. Labs., c/o Western Electric Co., Lexington Rd., Winston-Salem, N. C.

 GEGON, PAUL. H. (M'5B), Lead Electronics Engr., Chance-Vought Aircraft Co., Box 5907, Dallas, Tex.

 GEHLKE, DONALD A. (SM'53), V. P., Dir., Engrg., Babcock Radio Engrg., 1212 Dover Dr., Newport Beach, Calif. GEHMAN, JOHN B. (M'45), Head, Electronic Specialist, Thompson-Ramo-Wooldridge, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.

 GEHMAN, PHILIPA. (C'44-M'57), Eng., BCA. Common Co
- GEHMAN, PHILIP A. (S'54-M'57), Engr., RCA Victor,

- GEHMAN, PHILIP A. (S'54-M'57), Engr., RCA Victor, Harrison, N.J.
 GEMALICH, ARNOLD P. (A'49), Broadcast Technician, WGN-TV, 441 N. Michigan Ave., Chicago 11, Ili.
 GEHMLICH, DIETRICH K. (S'53-M'56), Asst. Prof., Univ. of Utah, Salt Lake City 12, Utah.
 GEHRES, FAY A. (A'40-M'48-SM'50), Distribution Engr., Southern Indiana Gas & Electric Co., Hulman Bidg., Evansville 4, Ind.
- GEHRIG, JOHN W. (S'4B-A'50), Engr., GE Co., Syracuse,
- GEHRING, JOSEPH E. (M'56), Electronics Engr., Convair, Pomona, Calif. GEHRING, MARVIN C. (SM'5B), Sr. Engr., AT&T Co., Cin-cinnati, Ohio.

- cinnati, Ohio.

 GEHRING, ROBERT D. (S'56-M'56), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 CHERIS, JOHN P. (S'55-M'57), Prod. Engr., Western Electric Co., Marion & Vine Sts., Laureldale, Pa.

 GEHRKE, ELMER P. (A'52-M'54), Chief Engr., Z&W Mfg.
 Corp., Electronics Div., 30240 Lakeland Blvd., Wickliffe, Ohio.

- CEIR, DONALD G. (S'49-A'52-M'57), Pett. Mgr., Zetlth Radio Corp., 6001 W. Dickers Ave., Chicago, III.

 GEIRKE, FORREST E. (SM'52), Plant Mgr., Sylvania Elec. Prods., Inc., 1891 E. 3rd St., Williamsport, Pa. (EHRKE, ROBERT A. (S'55-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. GEHRKE, WILLIAM C. (S'56-M'59), Engr., Sperry Piedmont Co., Charlottesville, Va.

 GEIA, ALBERT J. (S'54-M'57), Dev. Engr., Continental Electronics Mfg. Co., 4212 S. Buckner Blvd., Dallas, Tex. GEIB, DONALD G. (S'49-A'52-M'57), Sect. Mgr., Ground Support, System Div., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif. GEIB, ROBERT L. (M'56), Mgr., Hearing Aid Engro., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago, III., GEICK, GEORGE H. (S'46-A'50-SM'55), Engro. Dept., Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn.

 GEIER, LEONARD W. (SM'55). Mgr., Microwava Tuba Lab

- Minn.

 GEIER, LEONARD W. (SM'55), Mgr., Microwave Tube Lab., Raytheen Mfg. Co., Birdington, Mass.

 GEIGEL, ALFRED A. (S'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 GEIGER, AL A. (S'56-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 GEIGER, ALLEN E. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.

- GEIGER, DARRELL L. (A'51-M'58), Instruction Supvr., Cleveland Institute Radio Electronics, 4900 Euclid Ave., Cleveland 3, Ohio.
 GEIGER, DOUGLAS G. (A'31-M'45-SM'45), Area Engrg.
 Supvr., Toronto Area, Bell Tel. Co. of Canada, 393
 University Ave., Toronto 1, Ont., Canada.
 GEIGER, JOHN M. (A'48-M'55), Sales Mgr., Surface Armament Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 GEIGER, LOUIS C. (S'45-A'47-M'55), Engr., Wisconsin
 Telephone Co., 740 N. Broadway, Milwaukee 2, Wis.
 GEIGER, RICHARD G. (S'55-M'58), 4840 N. E. Holman
 St., Portland 18, Ore.
 GEIGER, RICHARD H. (A'55), Project Engr., Litton Industries,
 Inc., 960 Industrial Rd., San Carlos, Calif.
 GEIGER, ROBERT F. (A'49-M'55), Chief, Market Planning,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.
 GEIGES, KARL S. (A'41-SM'53), V.P., Underwriters' Labs.,
 Inc., 1655 Scott Lane, Santa Clara, Calif.
 GEILING, HERBERT F. (S'49-A'50-M'55)), Sales Engr.,
 Soraque Electric Co., 50 E. 41 St., New York 17, N.Y.
 GEILS, JOHN W. (S'40-A'42-M'47), Asst. to V.P., Bell
 Tel. Labs., Murray Hill, N. J.
 GEIPEL, DAVID H. (S'51-A'54), Engrg. Specialist, Research,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.
 GEIS, EVERETT R. (S'58-M'59), Elec. Engr., Electronic
 Engrg. Co. of Calif., 1601 E. Chestmut, Santa Ana, Calif.
 GEIS, SOSEPH H. (M'57), Asst. Supvr., Mound Lab., Monsanto Chemical Co., Miamisburg, Ohio.
 GEISEL, FRANCIS J. (A'47-SM'55), Components Engr.,
 GEISERT, FRED W. (S'49-A'50-M'56), Sr. Engr., Northrop
 Aircraft, Inc., Hawthome, Calif.
 GEISERT, WILLIAMO. (M'57), Engr., Hughes Aircraft Co.,
 Culver City, Calif.
 GEISERT, H. JOHN (A'48-M'55), Sr. Engrg. Consultant,
 IBM, Poughkeepsie, N.Y.
 GEISERT, FRED W. (S'49-A'50-M'56), Sr. Engr., Northrop
 Aircraft, Inc., Hawthome, Calif.
 GEISERT, WILLIAM N. (A'48-M'55), Fr. Engr., Consultant,
 IBM, Poughkeepsie, N.Y.
 GEISERT, H. JOHN (A'48-M'55), Grander City, L.I., N.Y.
 GEISERT, WILLIAM N. (A'45-M'55), Grander City, L.I., N.Y.
 GEISERT, HERRER T. (A'52-M'56), Pres., Geist-Hotz, Inc.,
 200 5 St., Stamford, Com.
 GEIST, JOHN C. (SM'

- Manhattan Beach, Calif.

 GELCHIS, MICHAEL V., JR. (S'50-A'51-M'58), Test Process Engr., RCA, Camden 2, N.J.

 GELDART, WALTER J. (S'57-M'58), Engr., Canadian Westinghouse Co., Ltd., Hamilton, Ont., Canada.

 GELDSTON, SAMUEL (M'57), Engr., The W. L. Maxson Corp., 460 W. 34 St., New York, N.Y.

 GELERNTER, BOAZ (S'49-A'50-M'55), Electronics Engr., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N. J.

 GELERNTER, ARTHUR (M'58), Sr. Design Engr., Convair-Astronautics, San Diego, Calif.

 GELFAND, ROBERT (S'50-A'54), Asst. Instr., Dept. of Pharmacology, Medical School, Univ. of Pennsylvania, Philadelphia 4, Pa.

 GELFOND, NORMAN A. (S'56-A'59), Fleld Service Tech-

- GELFOND, NORMAN A. (S'56-A'59), Field Service Technician, Remington Rand Univac, Philadelphia, Pa. GELHAR, WILLY O. (M'5B), Designer, Canadian Marconi Co., 2442 Trenton Ave., Town of Mount Royal, P.Q., Canada.
- GELLATLY, JOHN S. (SM'57), Sr. Staff Engr., Western Electric Co., Hawthome Sta., Chicago 23, III. GELLER, HOWARD (S'53-M'55), Dev. Engr., IBM, Kingston, N.Y.
- CELLER, MICHAEL (A'59), Electronics Engr., White Sands Missile Range, N.M. GELLER, MILTON (S'50-A'52-M'56), Project Engr., Power Designs, Inc., B9-25 130 St., Richmond Hill, L.I., N.Y.
- GELLER, WARREN (S'4B-A'50-M'55), Chief Plant Production Engr., Eitel-McCullough, Inc., 167B S. Pioneer Rd., Salt Lake City, Utah.
 GELLERMAN, ROBERT F. (S'53-M'57), Branch Mgr., Lenkurt Internati. Corp., 1105 County Rd., San Carlos, Calif.
- Calif.

 GELLERT, JESSE (S'46-A'49-M'55), Railway Postal
 Clerk, Pennsylvania Terminal R.P.O., New York, N.Y.
 GELLERT, MAX E. (4'49-M'55), Project Engr., Electro
 Development Corp., 3939 University Way, Seattle 5, Wash.
 GELLES, ABRAHAM J. (S'43-A'46), 5335 N. 16 St.,
 Philadelphia 41, Pa.

- Philadelphia 41, Pa.

 GELLHAUS, KENNETH M. (M'57), Publications Engr.,
 Remington Rand Univac, 19 St. & Allegheny Ave.,
 Philadelphia, Pa.

 GELMAN, DAVID S. (A'5B), Jr. Engr., No. Amer. Aviation,
 Internati. Airport, Los Angeles, Calif.

 GELT, PHILIP A. (S'57-M'5B), Engr., Staff Mem., Sandia
 Corp., Sandia Base, Albuquerque, N.M.

 GELZER, JOHN R. (M'44), Dir., Engrg., Littelfuse, Inc.,
 B625 Miner St., Des Plaines, Ill.

 GEMMILL, FREDERICK Q. (S'36-A'41-M'55), Mgr.,
 Standards & Service Labs., Sperry Gyroscope Co., Great
 Neck, L.I., N.Y.
- Neck, L.I., N.Y.
 GENAILLE, RICHARD A. (A'5B-M'59), Equipment Engr.,
 Western Electric Co., Chatham Rd., Winston-Salem, N.C.
 GENCO, FRANK (A'50-M'55), Sr. Sales Engr., Garrett
 Corp., 9851 Sepulveda, Los Angeles 45, Calif.
 GENERA, VINCENT A. (A'41), Pres., The J. V. Electronic
 Co., 690 Main St., East Haven, Conn.
 GENERAL, JOSEPH (A'36-M'45-SM'46), Tech. Program
 Dir., Deputy Commander for Research, Hars., Air Research
 & Dev. Command, Andrews AFB, Washington 25, D.C.

- GENETT, WILLIAM F. (\$'57-A'58), Engr., National Co., Inc., 61 Sheman St., Malden, Mass.
 GENETTA, TONY L. (\$'51-A'53-M'58), Design Engr., Computing Systems, RCA, Camden, N.J.
 GENGARELLY, THEODORE (A'54), Sales Engr., Madigan Corp., Stonehinge Lane, Carle Place, L. I., N. Y.
 GENGE, ROBERT E. (\$'57-M'59), 902 Aircraft Control & Warning Sqdn., Miles City, Mont.
 GENLOT, ALBERT G. (\$'55-M'58), 27 Webster Pl., Brooklyn 15, N.Y.
 GENNETT, DANIEL F., JR. (A'49), 1908 E. 38 St.
- GENNETT, DANIEL F., JR. (A'49), 1908 E. 38 St., Oakland 2, Calif.
- GENNETT, KENNETH A. (M'58), 311 Lake Sue Ave., Winter Park, Fla. GENOVESE, ANTHONY N. (A'45), Pres. & Chief Engr., Chicago Condenser Corp., 3255 Amitage Ave., Chicago 47, 111.

- GENS, HENRY J. (S'46-A'48-M'55), Patent Lawyer, 2452 N. California Ave., Chicago 47, Ili. GENSEL, WILLIAM L. (A'53-M'58), Design & Dev. Engr., RCA, Camden, N. J. GENSER, ALVIN (A'44), N. J. GENSER, ALVIN (A'44), Chief Design Engr., Radio Receptor Co., 240 Wythe Ave., Brooklyn 11, N.Y. GENSER, MILTON (A'56), Tech. Mgr., Merck & Co., Rahway, N. J.

- Railway, N.J.

 Railway, N.J.

 Railway, N.J.

 Railway, N.J.

 GENTGES, FRANK H. (A'57), 1217 N. Robberson, Springfield 2, Mo.

 GENTNER, ROGER F. (A'59), Canadian Marconi Co., 970 McEachran Ave., Outremont, P.Q., Canada.

 GENTRY, EDWIN B. (S'55-M'58), Signal Projects Officer, (Capt. U. S. Army), Army Ordnance Missile Command, Redstone Arsenal, Ala.

 GENTRY, FINIS E. (S'49-A'52-M'57-SM'59), Suppyr., Advance Rectifier Engrg., GE Co., Syracuse, N.Y.

 GENTRY, KENNETH M. (SM'57), Capt., USN, SACLANT Deputy, SACLANT ASW Research Center, APO 19, New York, N.Y.

- GENTRY, RENNEL IT M. (3m 2/7), CdB., USIN, SENELTH Denuty, SACLANT ASW Research Center, APO 19, New York, N. Y.
 GENTRY, RALPH O. (S'57-A'58), Studio Engr., WLAC-TV, 159 4 Ave., North Nashville, Tenn.
 GENUNG, NELSON W. (A'55-M'57), Mgr., Projects & Liaison Engrg., Branch, Crosley Div., Avco Mfg. Corp., Vultee Blvd., Nashville, Tenn.
 GENZ, WILLIAM F. (A'44-M'55), Pres., Tele-Ray Tube Co., Inc., 984 Saw Mill River Rd., Yonkers, N. Y.
 GENZEL, STEPHEN (S'58-M'59), Electronics Technician, Bendix Aviation Corp., Teterboro, N. J.
 GENZEL, STEPHEN (S'58-M'59), Electronics Technician, Bendix Aviation Corp., Teterboro, N. J.
 GEORGA LLIS, GEORGE C. (S'55-M'55), Assoc. Engr., Dept. of Physics, Univ. of California, Berkeley 4, Calif.
 GEORGE, ALEXANDER J. (M'56), Sales Engr., Coil Winding Equipment Co., Oyster Bay, L. I., N. Y.
 GEORGE, DANIEL E. (S'42-A'43-M'49), Sect. Head, Microwave Tubes, Sylvania Elec. Prods., Inc., 208-20 Cross Island Pkwy., Bayside, L. I., N. Y.
 GEORGE, EDWARD M. (M'45-SM'58), Box 502, Daytona Beach, Fla.
 GEORGE, EDWARD M. (A'55), District Mgr., Reinhold Publishing Corp., 815 Superior, Cleveland 14, Ohio.
 GEORGE, EDWARD W. (A'55), V.P., Wayne-George Corp., 1117 Commonwealth Ave., Boston 15, Mass.
 GEORGE, GEORGE F. (M'53), V.P., Wayne-George Corp., 1117 Commonwealth Ave., Boston 15, Mass.

- GEORGE, HOWARD A. (A'50), Owner, Coll Winding Equipment Co., 19 Maxwell Ave., Oyster Bay, L.I., N.Y.
 GEORGE, JAMES A. (A'5B), Engrg. Asst., Simplex Wire & Cable, Newington, N.H.
 GEORGE, JAMES N. S. (A'51), Customer Engr., IBM, Don Mills Rd., Toronto 6, Ont., Canada,
 GEORGE, JOHN E. (A'49), Supvr., Electronics Specialist, White Sands Missile Range, N.M.
 GEORGE, LEO C. (M'58), 2132 N. Ardmore Ave., Manhattan Beach, Calif,
 GEORGE, MICHAEL E. D. (A'54), Lab. Technician, Missile & Surface Radar Engrg., RCA, Moorestown, N.J.
 GEORGE, MICHAEL E. D. (A'54), Sr. Staff Physicist, Research Labs., Hughes Aircraft Co., Culver City, Calif.
 GEORGE, PROCTOR H. (A'52-M'59), Sr. Engr., Crosley
- & Bendix Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- GEORGE, RALPH E. (M'55), Sr. Engr., Tung-Sol Electric Corp., 200 Bloomfield Ave., Bloomfield N.J. GEORGE, RALPH W. (A'31-SM'44), Research Engr., RCA Labs., Princeton, N.J.
- GEORGE, RHETT T., JR. (S'55-M'56), Instr., Duke Univ., Durham, N.C.
- GEORGE, RICHARD D. (S'57-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. GEORGE, RICHARD E. (A'53-M'58), Tech. Dir., Datran Electronics, 1836 Rosecrans Ave., Manhattan Beach, Calif.
- GEORGE, ROBERT A. (S'56-M'5B), Research & Dev. Engr., Collins Radio Co., 1930 HiLline Dr., Dallas 7, Tex. GEORGE, ROSCOE H. (SM'50), Research Prof., Purdue Univ., Engrg. Experiment Sta., Elec. Engrg. Div., LaTayette, Ind.

- Larayette, Ind.
 GEORGE, SAMUEL F. (A'45-SM'51), Consultant, Naval
 Research Lab., Washington 25, D. C.
 GEORGE, THEUDURE S. (A'47-SM'51), Prot., Elec.
 Engra., Univ. of Florida, Gainesville, Fla.
 GEORGE, VERNON L. (S'55-M'56), Assoc, Engr., Douglas
 Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica,
 Calif.
- Calif.

 GEORGE, WILLIAM C. (SM'53), Project Mgr., Designers for Industry, 4241 Fulton Pkwy., Cleveland 9, Ohio.
 GEORGE, WILLIAM D. (A'33-VA'39-M'55), Chief, Acting, Radio Standards Div., Natl. Bureau of Standards, Boulder Labs., Boulder, Colo.
 GEORGE, WILLIAM P. (M'56), Project Engr., Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N.J.
 GEORGEK, STANLEY, JR. (S'55-M'57), Prod. Engr., Sylvania Eiec. Prods., Inc., Brookville, Pa.
 GEORGER, LESTER J. (S'4B-A'50-M'58), Asst., Project Supvr., Crosley Div., Avco Corp., 1329 Arlington, Cincinnati 25, Ohio.

- GEORGES, LUCIEN (S'53-A'53), Lab. Asst., GE Co., 11840 W. Olympic Blvd., Los Angeles 64, Calif. GEORGES, MICHAEL J. (A'57), Research & Dev. Tech-nician, Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.
- City, L.I., N.Y.

 GEORGI, EDWIN A., JR. (A'54), Research Assoc., DataControl Systems, Inc., 39 Rose St., Danbury, Conn.

 GEORGI, J. PAUL (A'51-SM'54), Staff Engr., Hors., Air
 Research & Dev. Command, Detachment #1, Directorate of
 Systems Management, Wright-Patterson AFB, Ohio.

 GEORGIA, ANDREW (S'47-M'53), Morr., Dayton Operations,
 Genl. Precision Equipment Corp., 333 W. 1st St., Dayton
 2. Ohio.
- Genl . Pre 2 , Ohio .
- EPHART, CLEO L. (S'55-M'56), 2430 Pennsylvania Ave., N.W., Washington 7, D.C. GEPPERT, DONOVAN V. (S'47-SM'54), Engrg. Specialist, Sylvania Components Labs., Box 997, Mountain View, Calif.
- Calif.
 GERANIS, ARRIS J. (M'57), Electronics Engr., Dept. of Defense, 3801 Nebraska Ave., Washington, D.C.
 GERARD, DANIEL R. (S'50-A'53-M'58), Sr. Research Engr., Republic Avaition Corp., Famingdale, J.I., N.Y.
 GERARD, WILLIAM A. (S'50-A'53-M'57), Engr., Westinghouse Elec. Corp., Horseheads, N.Y.
 GERARDI, HRANCIS R. (A'55), Engr., Douglas Aircraft Co., Santa Monica, Calif.
 GERARDI, VITO A. (S'54-M'56), Engr., ITT Labs., Nutley 10, N.J.
 GERB, BERNARD (S'49-A'51-M'56), Patent Atty., Ostro-GER.

- GERB, BERNARD (S'49-A'51-M'56), Patent Atty., Ostro-lenk, Faber, Gerb & Soffen, 10 E. 40 St., New York 16, N Y
- lenk, Faber, Gerb & Soffen, 10 E, 40 St., New York 16, N. Y.

 GERBER, ALBERT (S'50-A'53-M'58), Mgr., Gerber Radio Supply Co., Inc., 1900 Columbus Ave., Boston 19, Mass. GERBER, EDUARD A. (A'50-SM'56-F'58), Physicist, Dir., Frequency Control Div., U. S. Army Signal Research & Oevelopment Lab., Ft. Monmouth, N. J.

 GERBER, EDWIN L. (S'56-M'58), Instr., Drexel Institute of Technology, 32 & Chestnut, Philadelphia, Pa.

 GERBER, GEORGE V. (M'57), Engr., Methods & Processes, Tube Div., RCA, Harrison, N.J.

 GERBER, HENRY (A'52-M'57), Electronics Engr., Naval Ordnance Lab., White Oak, Silver Spring, Md.

 GERBER, HOWARD L. (M'57), Elect. Engr., Barnes & Reinecke, Inc., 230 E. Ohio St., Chicago 11, Ill.

 GERBER, MILTON M. (S'47-A'53-SM'57), Sr. Project Engr. & Program Mgr., Belock Instrument Corp., 111-01 14 Ave., College Point, L.I., N.Y.

 GERBER, PAUL D. (A'31-VA'39-M'55), Engr., RCA, Camden, N.J.

 GERBER, WALTER E. (A'50-M'58), TV Coordinator,

- Camden, N.J.
 GERBER, WALTER E. (A'50-M'58), TV Coordinator,
 Direction Generale des PTT, Beme, Switzerland.
 GERBER, WILLIAM J. (S'56-M'58), Electronic Design
 Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr.,
 Buffalo 21, N.Y.
- Buffalo 21, N.Y.

 GERBI, HUGO S. (M'54), Radio TV Electronics Tech.
 Engr., Television Lab., Torrington, Conn.

 GERBITZ, CLARENCE G. (4'57), Component Applications
 Engr., IBM, Kingston, N.Y.

 GERCHBERG, RALPH W. (A'56), Engr., RCA, Camden,
 N. I.

- N.J.
 GERDES, CARL V. (A'50), Engir., RCA, Cammen, N.J.
 GERDES, CARL V. (A'50), Research, Monsanto Chemical Co., Dayton 7, Ohio.
 GERDES, JOHN W. (A'52-M'57), Asst. Mgr., Projects Coordination, Melpar, Inc., 43 Leon St., Boston 15, Mass. GERDES, RICHARD C. (A'58), Transistor Application Engr., Lumen, Inc., Moen Ave., Joliet, III.
 GERE, ANSEL J. (S'48-A'50-5M'54), Consulting Engr., 126 Edgewood Rd., Westwood, Mass.
 GEREN, KEITH E. (A'33-M'55), Electronic Scientist, USN Electronics Lab., San Diego 52, Calif.
 GERCEN, JOHN L. (S'51-A'53-M'58), Asst. Scientist, Univ. of Minnesota, Minneapolis 14, Minn.
 GERHAN, CHARLES F. (A'52-M'57), Asst. Mgr., Sales Engro., Willard Storage Battery Co., 246 E. 131 St., Cleveland, Ohio.
 GERHARD, FRANCIS H. (M'57), Sr. Research Engr., No.

- GERHARD, FRANCIS H. (M'57), Sr. Research Engr., No. American Aviation, Downey, Calif.
 GERHARD, WILLIAM J. (S'49-A'51-M'56), Sect. Head, Systems Engrg., The Natl. Cash Register Co., Main & K Sts., Dayton, Ohio.

- Sts., Dayton, Ohio.

 GERHARDT, BURTON J. (S'56-M'57), Engr., Delco Radio Div., Kokomo, Ind.

 GERHARDT, GERARD E. (A'53), Instrument Engr., American Cyanamid Co., Bound Brook, N. J.

 GERHARDT, ROBERT H. (S'49-A'52-M'57), Tech. Staff, Mitre Com., ROBERT H. (S'49-A'52-M'57), Tech. Staff, Mitre Com., ROD E. (S'54-M'57), Computer Engr., Lockheed Missile & Space Div., Sunnyvale, Calif.

 GERHARZ, REINHOLD (A'52-M'57-SM'57), Research Physicist, U.S. Weather Bureau, Washington 25, D.C.

 GERHOLD, ROBERT A. (M'49), Chief, Modular Circuit Systems Sect., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 GERIG, JOHN S. (A'55), Research Asst., Elec. Engrq.

- Lab., Ft. Monmouth, N.J.

 GERIG, JOHN S. (A'55), Research Asst., Elec. Engrg.
 Dept., Stanford Univ., Stanford, Calif.

 GERKEN, GLEN H. (A'40-M'45), Pres., Teletronic Enterprises, Inc., 5050 Cerrilos Dr., Woodland Hills, Calif.

 GERKS, IRVIN H. (A'32-M'41-SM'43-F'58), Research
 Engr., Collins Radio Co., Cedar Rapids, Iowa.

 GERLACH, ALAN B. (A'55), Electronics Engr., Allstate
 Insurance Co., 7447 Skokie Blvd., Skokie, Ill.

 GERLACH, ALAN M. (M'57), Chief, Program DIv., Geophysics Research Directorate, Air Force Cambridge Research
 Center, Hanscom Field, Bedford, Mass.

 GERIACH, ALBERT A. (A'46-SM'50), Tech. Dir., Instru-
- GERLACH, ALBERT A. (A'46-SM'50), Tech. Dir., Instru-mentation, Cook Research Labs., 6401 Oakton St., Mor-ton Grove, III.
- ton Grove, III.

 GERLACH, GERALD G. (A'36-VA'39-SM'51), Administrator, Prod. Planning, RCA Internatl. Div., Clark, N.J.

 GERLACH, HORST W. A. (SM'56), Project Engr., (Supvy.),
 Diamond Ordnance Fuze Labs., Washington 25, D.C.

 GERLACH, PAUL D. (S'56-M'57), Electronics Engr.,
 Emerson Electronic M'96-M'57), Electronics Engr.,
 Emerson Electronic M'96-M'57), Electronics Engr.,
 Emerson Electronic M'96-M'57), Elegr., GE Co.,
 Syracuse, N.Y.

 GERLING, RICHARD Z. (M'58), Engr., GE Co.,
 Syracuse, N.Y.

 GERLING, HENRY B. (SM'55), Lead Prod. Designer,
 GE Co., Syracuse, N.Y.

GFR-GIB - 185 -

- GERLING, JOHN E. (S'50-A'51-M'56), Head, Applications Engrg., Electron Tube Div., Litton Industries, 96D Industrial Rd., San Carlos, Calif.
 GERLOUGH, DANIEL L. (S'47-M'49), Assoc. Prof., Dept. of Engrg., Univ. of California, Los Angeles 24, Calif. GERMAIN, CLAUDE (M'59), Apparatus Engr., Northerm Electric Co., 1261 Shearer St., Montreal, P. Q., Canada. GERMAIN, EVERETT G., JR. (S'52-A'53), Patent Examiner, U. S. Patent Office, Washington, D. C. GERMAIN, JACK (S'49-A'51-SM'56), Engrg. Sect. Mgr., Motorola, Inc., 4501 W. Augusta Bird., Chicago 51, Ill. GERMAIN, JOHN M. (M'57), Elec. Engr., Federal Pacific
- M30001a, Inc., 4301 W. Augusta Biva, Chicago 37, III.
 GERMAIN, JOHN M. (M'57), Elec. Engr., Federal Pacific
 Electric Co., 901 Regal Row, Dallas 35, Tex.
 GERMAIN, ROY C. (S'47-A'48-M'55), Engr., Westinghouse Elec. Copp., 1405 Parker Rd., Baltimore 27, Md.
 GERMAN, JOHN P. (A'51-SM'55), Prof., Elec. Engra.,
 Agricultural & Mechanical College of Texas, College
 Station, Tex.
- Station, Lex.
 GERMANN, FREDERICK G., SR. (A'58), Electronics Technician, U.S. Navy Dept., Naval Base, Charleston, S.C.
 GERMANN, JOSEPH D. (S'51-A'52), Assoc. Engr.,
 Westinghouse Atomic Power Div., Bettis Field,
 Pittsburgh 30, Pa.
- Pittsburgh 30, Pa.

 GERMAND, CARMEN P. (S'49-A'53-M'56-SM'56), Sect.

 Head, Electro Acoustics, Clevite Electronic Components,

 3311 Perkins Ave., Cleveland 14, Dhio.

 GERMAND, GEORGE V. (S'53-A'55), Engr., Western Union

 Telegraph Co., 60 Hudson St., New York, N.Y.

 GERMANY, LESLIE W. (M'45), TV Dev. Engr., Pye, Ltd.,

 Cambridge, England.
- GERMEROTH, JOEL H. (M'58), Dev. Engr., McDonnell Aircraft Corp., Lambert-St. Louis Municipal Airport, St. Louis, Mo.
- GERMESHAUSEN, KENNETH J. (SM'57), Pres., Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.
- GERNAND, M. E. (S'57-M'58), Field Engr., GE Co., Syracuse, N.Y.
- Syracuse, N.Y.
 GENNER, ROBERT J. (M'57), Field Engr., Gulton Industries, Inc., 212 Durham Ave., Metuchen, N.J.
 GERNT, RICHARD L. (S'57-M'59), Assoc. Engr., Martin Co., Orlando, Fia.
- Co., Orlando, Fla.
 GERONIME, ROBERT L. (A'55), Project Leader, Rosemount Engra, Co., 4900 W. 78 St., Minneapolis 24, Minn.
 GERONIMO, MICHAEL B. (S'53-A'54), Sr. Engr., Haller, Raymond & Brown, Inc., Science Park, State College, Pa.
 GEROSA, GIORGIO (A'58), Ingegnere Elettrotecnico, Istitute Elettrotecnico-universita di Roma, Iva Gudossiana
 1B, Rome, Italy.
- GEROULD, LAWRENCE D. (S'50-A'52-M'57), Engr., GE
- GC., Tembe, Ariz.
 GERRARD, JOHN A. F. (SM'57), Dir., Data Systems &
 Earth Science Research Dept., Texas Instruments, Inc.,
 6DDO Lemmon Ave., Dallas 9, Tex.
 GERRIE, ALFRED L., JR. (S'52-A'55), Asst. Prod. Engr.,
 Consolidated Electrodynamics Corp., 300 N. Sierra Madre
 Villa, Pasadena, Calif.

- Consolidated Electrodynamics Corp., 300 N. Sierra Madre Villa, Pasadena, Calif.

 GERRIG, EDWARD (5'52-A'54), Systems Engr., Raytheon Mfg. Co., Andover, Mass.

 GERRITY, ROBERT J. (M'5B), Electronics Engr., Brookhaven Natl. Lab., A. D. D. 911, Uxton, L. I., N. Y.

 GERNY, MARTIN E. (S'49-A'52-M'57), 320 Bayard Rd., Upper Darby, Pa.

 GERSCH, WILBERT M. (S'49-A'52-M'57), Staff Engr., Columbia Univ., Electronics Research Lab., 632 W. 125 St., New York 27, N. Y.

 GERSCH, WILBERT M. (S'49-A'54-M'59), Transistor Applications Engr., Delco Radio Div., 11BO Raymond Bird., Newark 2, N.J.

 GERSHDN, JOSEPH J. (S'46-M'48-SM'54), Dir., Residert Instruction, DeVry Tech. Institute, 4141 Belmont Ave., Chicago 41, III.

 GERSHUNY, MOSES M. (A'54), Maint. Engr., American Broadcasting Co., 7 W. 66 ST., New York, N.Y.

 GERSON, GORDON (S'57-M'5B), 5629 Clemson St., Los Angeles 16, Calif.

 GERSON, HAROLD (S'50-A'51-M'58), 7. Engr., Norair Div., Northrop Aircraft, Inc., Hawthorne, Calif.

 GERSON, HAROLD (S'50-A'51-M'58), Research Engr., Sclaky Bros., Inc., 4915 W. 67 St., Chicago 3B, III.

 GERSON, MAURICE (S'50-A'59), 1974 Grand Ave., Bronx 53, N.Y.

 GERSTEIN, MICHAEL G. (A'46), Chief, Tech. Operations, Municipal Blog., New York
- GERSTEIN, MICHAEL G. (A'46), Chief, Tech, Operations, Municipal Broadcasting System, Municipal Bldg., New York 7, N. Y.

- /, N. Y.
 GERSTENBERG, HENRY M. (S'54-M'5B), Physicist, Natl.
 Bureau of Standards, Washington 25, D.C.
 GERSTON, CHARLES (S'56-M'57), Electronics Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 GERTEN, NICHOLAS (A'45-M'55), Pres. & Dir., Genl.,
 Compagnie Francaise Blaw-Knox, 44 rue Francois 1, Paris
 B, France.

- B., France.

 GERTH, JOHN H. (S'44-A'4B-SM'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 GERTLER, EUGENE I. (\$56-M'5B), Engr., Airborne Instrument Lab., Inc., \$56-M'5B), Engr., Airborne Instrument Lab., Inc., \$40-M'53), Pres., Gertsch Prods., Inc., \$211 S. La Clenega Blvd., Los Angeles 16, Calif. GERTZ, JACK S. (A'57), Computer Engr., Nortronics Div., Northron Aircraft, Inc., Hawthome, Calif.

 GERTZ, NEAL M. (A'5B), Asst. Sales Mgr., Delta Precision Prod., 4411 W. Monturose Ave., Chicago 41, III. GERTZELL, SVEN G. (A'53), Lab. Chief for Measuring Lab., A. B. Bofors, Sweden.

 GERTZIS, SELIG (A'53-M'59), Chief Applications Engr., Amperex Electronic Corp., 230 Duffy Ave., Hicksville, L.I., A.Y.
- CERULAT, THOMAS G. (S'54-A'55), 36 New Lawn Ave., Kearney, N.J.
- GERWIG, CHARLES H., JR. (S'53-A'54), Engr., GE Co.,
- GERWIN, CHARLES H., JR. (S'53-A'54), Engr., GE Co., Syracuse, N.Y.
 GERWIN, HARRY L. (SM'53), Assoc. Dir., Diamond Ordnance Fuze Labs., Washington 25, D. C.
 GERWIN, HOWARD J. (S'56-M'5B), Staff Mem., Sandla Corp., Sandia Base, Albuquerque, N.M.
 GERY, STANLEY W. (S'51-A'52-M'55), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 GERYCH, WALTER E., (S'48-A'49-M'55), Engr., Airborne Instruments Lab., 160 Old Country Rd., Mineola, L.I., N.Y.

- GESELOWITZ, DAVID B. (S'51-A'54), Instr., Univ. of Pennsylvania (Moore School of Elec. Engrg.), 33 & Walnut Sts., Philadelphia 4, Pa.
 GESKE, RICHARD N. (S'5B-A'58), Trouble Shooter, Electronics Guild, Valley Stream, L.I., M.Y.
 GESSERT, EDWARD C., JR. (S'40-A'41-M'55), Prod. Mgr., Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos, Calif.
- Carlos, Calif.

 GESSFORD, ROSS K., SR. (A'3B-SM'44), Chief Engr.,
 TV Picture Tube Div., Sylvania Elec. Prods., Inc., Johnson St., Seneca Falls, N.Y.

 GESSLEY, DONALD (S'54-M'56), Asst. Engr., AT&T Co.,
 811 Main St., Kansas City, Mo.

 GESSNER, RICHARD J. (A'53), Electronics Tech., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 GESSNER, URS (A'56), Project Engr., The John Hopkins Univ., School of Medicine, Baltimore 5, Md.

 GETHIN, STANLEY A. (A'57), Sr. Antenna Engr., G.B.
 Electronics Corp., Hook Creek Blvd., Valley Stream,
 L.I., N.Y.

- L.I., N.Y.

 GETHMANN, RICHARD B. (M'52), Research Engr., GE
 Co., Syracuse, N.Y.

 GETSINGER, WILLIAM J. (S'48-A'50-M'55), Research
 Engr., Stanford Research Institute, Menlo Park, Calif.

 GETTER, CARL M. (A'56-M'58), Field Engr., Raytheon
 Mfg. Co., Waltham 54, Mass.

 GETTMAN, WILLIAM C. (M'5B), Chief Engr., WJAG, Inc.,
 309 Braasch, Norfolk, Neb.
- GETTNER, DAVID A. (S'50-M'57), Tech. Writer, Branson Ultrasonic Corp., 37 Brown House Rd., Stamford, Conn. GETTY, JAMES N. (A'53-M'5B), Electronics Engr., Wright Patterson AFB, Ohio.

- Patterson AFB, Ohio.

 GETZ, HAROLD (A'57), Electronic Systems Technician, Arma Div. American Bosch Arma Corp., Garden City, L.I., N.Y.

 GETZ, WILLIAM W. (A'57), TV Master Control Supvr., Hearst Corp., WBAL-TV Div., 2610 N. Charles St., Baltimore 1B, Md.

 GEWANT, STANLEY (SM'57), Leader, Design & Dev. Engr., RCA, Moorestown, N.J.

 GEWARTOWSKI, JAMES W. (S'53-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 GEWILLIG, MICHEL R. (M'57), Ingenieur Principal, Chef de Service, Belgian Matl. Broadcasting Institute, Brussels, Belgium.
- GEWIRTZ, ARNOLD (S'49-A'52-M'57), Project Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.
- 72, N.Y.

 GEYER, ANDREW J. (A'53), Electronics Research, New York
 Life Insurance Co., 51 Madison Ave., New York 10, N.Y.

 GEYER, BERNARD H., JR. (S'49-A'50-M'55-SM'56),
 Engr., GE Co., Syracuse, N.Y.

 GEYER, GEORGE E. (M'57), Pres., All-Tronics, Inc., 45
 Bond St., Wesbury, L.I., N.Y.

 GEYER, MANVEL A. (S'57-M'59), Instr., Ohio Northern
 Univ., Ada, Ohio.

 GEYER, RICHARD E. (S'56-M'5B), Assoc. Engr.,
 Countermeasures Div., Sperry Gyroscope Co., Great Neck,
 L.I., N.Y.

- L.I., N.Y.
 GHANDHI, SORAB K. (S'49-A'52-SM'56), Research Engr.,
 GE Co., Syracuse, N.Y.
 GHARIS, WILLIAM J. (M'59), Sr. Field Data Specialist,
 Defense Electronics Prods., RCA, 2720 Broadway,
 Tuscon, Ariz.
- Tuscon, Ariz.
 GHEBLES, GEORGE C. (A'55), Electronics Instr., Dobbins Vocational Tech., 22 & Lehigh, Philadelphia 32, Pa.
 GHEN, WILLIAM R. (S'51-A'53-M'57), Electronics Engr.,
 Bomac Labs., Inc., Salem Rd., Beverly, Mass.
 GHEORGHIU, PAUL (M'57), Research & Dev., Mason Labs., Inc., 375 Fairfield Ave., Stamford, Conn.
 GHERMANDI, MARIO (A'5B), Prod. Mgr., Societa Elettroteonia, Elininca Italiana, 1, Plazza Gen. Cañaga, Milano, Italy.

- Italy.

 GHERSEL, FABIO (S'53-A'55), Mgr., Advanced Dev., FIMI, S.D.a., Via Montenapoleone 10, Milan, Italy.

 GHERTMAN, JEAN (A'54), Dir., Engrg., Compagnie IBM France, 2D Ave. Michel-Bizot, Paris 12, France.

 GHIGLIOTTI, REINALDO (M'577), Sr. Lab. Technician, Sperry-Rand Corp., Great Neck, L.I., N.Y.

 GHIRARDI, ALFRED A. (M'34-SM'43), Electronics Engrg.

 Consultant, Tech. Writer & Editor, 50 E. 42 St., New York 17, N.Y.

- York 17, N.Y.
 GHRON, HUGO (A'55), Electronics Engr., Bell Tel. Labs.,
 Whippany, N.J.
 GHOL SON, ALEXANDER H. (M'56), Engrq. Specialist, Project Engr., Bomac Labs., Inc., Beverly, Mass.
 GHOSE, AMALKUMAR (M'54), Reader in Telecommunication
 Engrq., Govt. Engrq. College, Jabalpur (M.P.), India.
 GHOSE, AMIYA K. (M'56), Mgr., Forbes, Forbes, Campbell
 & Co., Private, Ltd., Inderani Bldg., 5-B Ajmeri Gate
 Extr., New Delhi, India.
- GHOSE, RABINDRA N. (M'53-SM'54), Sr. Mem. Tech. Staff, Space Electronics Corp., 1200 Air Way, Glendale, Calif.

- Calif.
 GHOSH, SWADES R. (A'54), Electronics Workshop Supt.,
 Bose Research Institute, 93/1, Upper Circular Rd., Calcutta 19, India.
 GIACCHETTI, ANACLETO D. (A'51-M'57), Chief Engr.,
 Natt. Video Corp., 430D W. 47 St., Chicago 32, III.
 GIACO, VINCENT J. (A'54), Service Mgr., TV, Brown Roberts
 Hardware & Supply Co., 1B10 3rd St., Alexandria, La.
 GIACOLETTO, J. P. (A'45-SM'55), Genl. Mgr., Collins
 Radio Co., of Canada, Ltd., 11 Bermondsey Rd., Toronto,
 Ont., Canada.
- Ont., Canada.

 GIACOLETTO, L. J. (S'37-A'42-M'44-SM'4B-F'5B), Dept.

 Mgr., Scientific Lab., Ford Motor Co., Dearborn, Mich.

 GIAIMO, EDWARD C. (A'53), Research Engr., RCA, Princeton,
- N.J.,
 GIALLONGO, SEBASTIAN J. (A'57), Sr. Electronics Engr.,
 Sylvania Elec. Prods., Inc., 189 B St., Needham, Mass.
 GIAMPICCOLO, PATRICK M. (A'55), Chief Publications
 Engr., Renner, Inc., 103-42 Lefferts Blvd., Richmond Hill,
 L.I., N.Y.
- L.I.,N.Y.
 GIANNATTASIO, AMERIGO R. (S'49-A'51-M'56), Sr. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 GIANNINI, GABRIEL M. (A'30-M'39-SM'43), Dir.,
 Giannini Research Lab., 3B39 S. Main St., Santa Ana,
 Calif.

- GIANOPLUS, ANASTASIOS S. (S'54-M'56), Sr. Electronics Engr., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.
 GIANOUKOS, WILLIAM A. (S'52-A'53-M'58), Dev. & Research Staff, MIT, Instrumentation Lab., Cambridge 39, Mass.
- Mass. GIARA, EMIL J., JR. (S'5B-M'59), TechRep., Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia, Pa. GIARDINA, JOSEPH F. (A:54-M'59), Co-Owner, Genl. Electronic Service Co., 2115 Plainfield, N.E., Grand Rapids 5, Mich.
- Rapids 5, Mich.

 (IAROLA, ATTILIO J. (M'58), Instr., Elec. Engrg. Dept.,
 Seattle Univ., 900 Broadway, Seattle 22, Wash.

 GIBA, JOHN J. (SM'58), Asst. to Pres., American Bosch
 Arma Coro., 320 Fulton Ave., Hempstead, L.I., N.Y.

 GIBAS, HUBERT A. S. (A'54-SM'5B), Dev. Engr.,
 Tamenzaunstr. 5, Uster, Switzerland.

- Tannénzaunstr. 5, Uster, Switzerland.
 GIBB, ROBERT F. (M'59), Electronics Engr., Convair,
 San Diego, Calif.
 GIBBINGS, JAMES F. (M'57), Group Leader, RCA, 2720 E.
 Broadway, Tucson, Ariz.
 GIBBON, CHARLES P. H. (M'58), Glyn, Mills & Co.,
 Kirkland House, Whitchall, London, S.W. 1, England.
 GIBBON, HAROLD T. (M'57), Engr., 3, Flight Simulator
 Tech. Rep., Canadian Aviation Electronics, Cote-De-Liesse,
 Montreal, P. Q., Canada.
 GIBBON, JOHN (M'5B), Sr. Engr., Stavid Engrg., U. S.
 Rte. 22, Plainfield, N.J.
 GIBBONS, DONALD R. (A'36-VA'39-M'55), Deputy Chief,
 Techniques Branch, U. S. Army Signal Research & Dev.
 Lab., Belmar, N.J.
 GIBBONS, EDGAR H., JR. (S'50-A'51-M'57), Engr.,

- Lab., Belmar, N.J., Changard State Control of Control o

- GIBBS, DAVID E. (S'57-A'5B), B170 Bywater, Orchard Lake 1, Mich.
 GIBBS, DDNALD R. (A'47-M'55), Sect. Head, Melbar, Inc., 300D Arlington Blvd., Falls Church, Va.
 GIBSS, EVERETT D. (A'45-M'55), V. P. & Genl. Mgr., Communication Associates, Inc., 1208 3rd Ave., New Hyde Park, L.I., N.Y.
 GIBBS, FRANK R. (A'51-M'56), Project Engr., Hughes Prods., 5261 Imperial Blvd., Los Angeles 45, Calif.
 GIBBS, LED L. (A'48-M'55), Radio Engr., Electronic Components Lab., WCLKGC, Wright-Patterson AFB, Ohio.
 GIBBS, LESTER C. (A'56), Electronics Engr., Radar Dept., Hughes Aircraft Co., Culver City, Calif.
 GIBBS, NORMAN E. (A'44-M'55), Sr. Engr., Raytheon Mg. Co., Wayland, Mass.
 GIBS, TED M. (M'59), Flight Test Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.
 GIBSS, THOMAS E. (SM'59), Sr. Engr., Texas Instruments, 6000 Lemmon Ave., Oallas, Tex.
 GIBO, ELZO (A'57), Box 153, Moorestown, N.J.
 GIBO, ELZO (A'57), Box 153, Moorestown, N.J.
 France.
 GIBSON, CARL W. (A'58), Field Service Engr., Martin

- Naval Construction Corps., B Blvd. Victor, Paris 15,
 France.

 GIBSON, CARL W. (A'58), Field Service Engr., Martin
 Co., Orlando, Fla.

 GIBSON, CHARLES B., JR. (A'54), Dev. Engr., Tektronix,
 Inc., Box 831, Portland 7, Ore.

 GIBSON, CLARENCE O. (A'57), Sr. Engrg. Aide, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Dhio.

 GIBSON, ERNEST M. (A'56), Radio Supply & Service Co.,
 1965 McIntyre St., Regina, Sask., Canada.

 GIBSON, FRANK C. (A'48-M'55), Supry. Physicist, U. S.
 Bureau of Mines, 4800 Forbes St., Pittsburgh 13, Pa.

 GIBSON, GARY A. (S'53-M'55), Electronics Engr.,
 Boeing Airplane Co., Renton, Wash.

 GIBSON, GEORGE B. (A'42-M'45-SM'51), Electronics
 Engr., U. S. Army Element. Communications & Research &
 Dev. Group, P.O. Box 6423, T. St. Sta., Washington, D.C.

 GIBSON, HARRY T. (S'57-M'59), Elec. Engr., USI
 Robodyne Div., U. S. Industries, 8411 2nd Ave., Silver
 Spring, Md.

 GIBSON, HENRY C., JR. (M'56), Pres., Franklin Systems.
- Spring, Md.

 GIBSON, HERRY C., JR. (M'56), Pres., Franklin Systems, Inc., 2734 Hillsboro Rd., West Palm Beach, Fla.

 GIBSON, J. LEE (M'54), Exec. V.P., Keithley Instruments, Inc., 12415 Euclid Ave., Cleveland 6, Ohio.

 GIBSON, JAMES A. (SM'58), Supvr., Airborne Subsystems Engrg., GE Co., Utica, N. N.Y.

 CIBSON, JAMES G. (S'56-M'57), Research & Design Engr., Collins Radio Co., Cedar Rapids, Iowa.

 GIBSON, JAMES J. (M'57), RCA Labs., Princeton, N.J.

- N.J.
 GIBSON, JOHN D.S. (M'56), Electronics Engr., USAF, Wright-Patterson AFB, Ohio.
 GIBSON, JOHN E. (S'50-A'53-M'57), Assoc. Prof., Elec. Engre., Pudue Luriv., Lafavette, Ind.
 GIBSON, JOHN G. (A'48), Sr. Engr., Philoc Corp., Western Dev. Labs., 3875 Fabian Way, Palo Alto, Calif.
 GIBSON, MARION (S'54-M'56), Instrumentation Engr., Thiokol Chemical Corp., Huntsville, Ala.
 GIBSON, OWEN B. (S'38-SM'54), Supt., Transmission Engre., Western Electric Co., Defense Projects Div., 220 Church St., New York 13, N.Y.
 GIBSON, RANDALL D. (S'57-M'59), 5014 E. Princess Anne Rd., Norfolk 2, Va.
 GIBSON, ROBERT E. (S'52-A'55), Engr., Raytheon Mfg. C

- Anne Rd., Norfolk 2, Va.
 GIBSON, ROBERT E. (S'52-A'55), Engr., Raytheon Mfg. Co.,
 Andover, Mass.
 GIBSON, ROBERT E. (S'54-M'56), Sr. Electronics Engr.,
 Sylvania Elec. Prods., Inc., Woburn, Mass.
 GIBSON, ROBERT L. (A'57), Mgr., J. A. Maguire & Co.,
 116 N. 7 St., Camden, N.J.
 GIBSON, STEWART K. (M'54), Pres., Instruments of New
 England, 108 Greenwood Lane, Waitham 54, Mass.
 GIBSON, THOMAS J. (S'56-M'57), c/o MSTSO, Whittier,
 Alaska.
- GIBSON, VAN R., JR. (SM'54), TV Prod. Design Engr., GE Co., Syracuse, N.Y.

- GIBSON, WALTER G. (S'4B-A'49-M'55), Research Engr., RCA, Princeton, N.J. GIBSON, WILLIAM R. (A'57), Sr. Field Engr., AC Spark Plug Div., GMC, 1925 E. Kenilworth, Milwaukee, Wis. Plug Div., GMC, 1925 E. Kenilworth, Milwaukee, Wis. GICCA, FRANCIS A. (5'49-A'54-M'55), Electronics Dev. Engr., Raytheon Mig. Co., Bedrod, Mass. GICHTIN, ABRAHAM L. (A'54), Reliability Engr., Hughes Aircraft Co., Culver City, Calif. GIDDINGS, KENNETH L. (M'58), 5445 Soledad Rd., San Diego 9, Calif.

- San Diego 9 , Calif. (M'36), 5445 Soledad Rd., GIDDINGS, ORVILLE M. (S'55-M'59), Elec. Engr., Gabriel Electronics Div., Gabriel Co., 135 Crescent Rd., Needham Heights, Mass.

- Electronics Living Mass.

 Electronics Living Mass.

 GIDDIS, ALBERT R. (A'54), Sr. Engr., Philo Corp., 3875

 Fabian Way, Palo Alto, Calif.

 GIEDD, GARY R. (S'55-M'57), Staff Physicist, IBM,
 Kingston, N. Y.

 GIELOW, DAVID E. (S'56-M'57), Engr. "C", Varian
 Associates, 611 Hansen Way, Palo Alto, Calif.

 GIERHART, GARY D. (S'56-M'59), Electronics Scientist,
 Natl. Bureau of Standards, Boulder, Colo.

 GIERINGER, CARL K. (S'34-A'36-SM'47), Pres., Cincinnati Time Recorder Co., 1733 Central Ave., Cincinnati
 14, Ohio.

- cinnati Time Recorder Co., 1733 Central Ave., Cincinnati 14, Ohio.

 (IESE, CLARENCE (S'54-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 (GESE, JOSEPH E. (A'58), Administrative Asst., Airborne Instrument Lab., Mineola, L.I., M.Y.
 (GESE, ARAMONDO, C. (A'22-M'31-SM'43)(L), Retired, 17 Colonial Way, Short Hills, N.J.
 (GESE, CKE, HANS (A'53), Electronics Scientist, Wright Air Development Center, Wright-Patterson AFB, Ohio.
 (GESECKE, GNKAR W. (SM'57), V.P., Engrog., Air Marine Motors, Inc., 369 Bayview Ave., Amityville, L.I., N.Y.
 (GESE, C. OSKAR W. (SM'57), V.P., Engrog., Air Marine Motors, Inc., 369 Bayview Ave., Amityville, L.I., N.Y.
 (GESEKE, GEORGE R. (S'48-A'50-M'58), Engr., Hazeltine Research Inc. of California, 320 W. Burbank Blvd., Burbank, Calif.
 (GESELER, L. PAUL (A'53), Physicist, Corp. for Economic & Industrial Research, 1200 Jeff Davis Hwy., Arington, Va.
 (GESELER, WALTER L. (A'53-M'59), Design Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.
 (GESSNER, FREDERICK W. (S'57-M'59), Design Engr., Motorola, Inc., 1450 N. Cicero, Chicago 51, III.
 (GET, G. ROBERT (A'25-M'29-A)-33-SM'36), Prof., Electronics Engr., Chmn., Electronics Dept., USN Postgraduate School, Monterey, Calif.
 (GIFFIN, DANIEL A. (M'5B), Engrg. Rep., Ampex Corp., 423 Bloomfield Ave., Montclair, N.J.

 GIFFIN, EARL L., JR. (A'55), Mfrs. Rep., 2600 Far Hills Ave., Dayton 19, Ohio.

 GIFFIN, EGRGES, (A'53-M'58), Electronics Engr., Farnsworth Electronics Co., 3702 E. Pontlac St., Ft. Wayne 1, Ind.

 GIFFIN, KENNETH A. (M'55-SM'54), Div. Mgr., Field Service, Lear, Inc., 3171 S. Bundy Dr., Santa Monica.

- GIFFIN, KENNETH A. (M'52-SM'54), Div. Mgr., Field Service, Lear, Inc., 3171 S. Bundy Dr., Santa Monica, Calif.
- Calif.

 GIFFIN, PATRICK A. (S'57-A'5B), Flight Cadet, RCAF, RCAF Sta., M.P.O. 400, Winnipeg, Man., Canada.

 GIFFORD, GEORGE D. (S'53-A'55), Research Engr., The Celotex Corp., 1100 Northwest Hwy., Des Plaines, III.

 GIFFORD, JACK S. (S'49-M'55), Engr., Receiving Tube Design, RCA, Harrison, N.J.

- Design, RCA, Harrison, N.J.
 GIFFORD, JAMES T., JR. (S'56-M'59), Engr., Sylvania Elec. Prods., Inc., Box 188, Mountain View, Calif.
 GIFFORD, RICHARD P. (M'52), Mgr., Engrgcommunication Prods. Dept., GE Co., Mountain View Rd., Lynchburg, Va.
 GIGANTE, GEORGE A. (S'51-A'53-M'58), Systems Engrg., Lockheed Aircraft Corp., Burbank, Calif.
 GIGANTE, VICTOR (S'58-M'59), Elec. Engr., Electronic Design & Dev., RCA, 11819 W. Olympic Blvd., Los Angeles, Calif.
 GIGER, ADOLF J. (4'51-SM'56), Mem. Tech. Staff.
- Angeles, Calif.
 GIGER, ADOLF J. (A'51-SM'56), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 GIGNAC, NORMAN J. (A'58), Radio & TV Operator, CKLW,
 825 Riverside Dr., W., Tecumseh, Ont., Canada.
 GIGNOUX, OOMINIQUE (A'55-M'57), Consultant, 50
 Broadway, New York 4, N.Y.
 GIGNOUX, FREDERICK E., JR. (A'53), V.P. & Dir.,
 Internatl. Instruments, Inc., 486 Oerby Ave., New Haven,
 Conn.
- GIGUERE, ROBERT (\$'55-M'56), Genl. Mgr., Giguere Automobiles, Ltee, 896 Dorchester, Quebec, P.Q. Canada.

- Canaga.

 GIGUERE, WINFIELD J. (M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.

 GIHRING, HERMAN E. (A'29-VA'39-SM'49), Engrg.
 Mgr., RCA, Camden, N.J.

 GIKAS, GUS N. (M'57), MaJ., USAF, System 4B0 L

 Project Officer, Iqrs. Airways & Air Communications Service,
 Scott AFB, III.
- GIKOW, EMANUEL. (A'48-SM'57), Chief, Inductive & Frequency Selective Devices Sect., U.S. Signal Corps Engra, Labs., Ft. Monmouth, N.J.
 GILBERT, CHALMERS W. (A'43-M'47), Supvy. Engr., Union Switch & Signal Div., Westinghouse Air Brake Co., Pittsburgh 18, Pac.
- GILBERT, OONALD F. (M'55-SM'59), Project Engr., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.
- AFB, UNIO.
 GILBERT, DONALD M. (S'57-A'58), Jr. Engr., Boeing
 Airplane Co. Home: 4951 12 Ave., S., Seattle 8, Wash.
 GILBERT, E. MAJOR (S'44-A'49-M'54-SM'58), Sr.
 Electronics Engr., 17 & 7, Industrial Prods. Div.,
 15191 Bledsoe, San Fernando, Calif.
- GILBERT, EDWARD O. (S'51-A'52-M'5B), Asst. Prof. of Aeronautical Engra., Univ. of Michigan, Ann Arbor, Mich. GILBERT, ELLIOTT M. (A'56), Asst. Project Engr., Bendix Radio, Towson 4, Md. GILBERT, ELMER G. (S'51-A'52-M'57), Asst. Prof., Dept. of Aeronautical Engrg., Univ. of Michigan, Ann Arbor, Mich.

- Arbor, Mich.

 GILBERT, EVERETT A. (M'46), V.P., Engrg., Radio Frequency Labs., Boonton, N.J.

 GILBERT, GERALD Y. (5'56-M'59), Project Engr., Underwriter's Labs., Inc., 161 6 Ave., New York 13, N.Y.

 GILBERT, GERARD B., JR. (S'52-M'56), Research Staff Asst., Elec. Engrg., The John Hopkins Univ., Baltimore 18, Md.

- GILBERT, HIRAM G. (A'52-SM'57), Sr. Staff Engr., Link Aviation, Inc., Hillcrest, Binghamton, N.Y. GILBERT, HOWARD L. (S'54-A'54), Mgr., Technicians, Engro. Lab., RCA Victor, 11B19 W. Olympic Blvd., Los Angeles 64, Calif.
- GILBERT, JACK (A'43-M'51), Sr. Project Engr., Norden Div., United Aircraft Co., 55 Commerce Rd., Stamford, Conn.
- GILBERT, JAMES N. (A'46-SM'55), Mgr., Test Dept., Nems-Clarke, Inc., 919 Jessup-Blair Dr., Silver Spring, Md.
- MO.
 GILBERT, JOHN D. (M'57), Chief Project Engr.,
 Communications, Holmes & Narver, Inc., 849 S. Broadway,
 Los Angeles 14, Calif.
 GILBERT, LEONARD J. (M'56), Design & Research Engr.,
 Thompson-Ramo-Wooldridge, Inc., 7209 Platt Ave.,
 Cleveland 4, Ohio.

- Cleveland 4, Ohio.
 GILBERT, LESTER H. (A'31-VA'39), Electronics Engr., USIA, Voice of America Engrg. Dept., 4 St. & Independen Ave., Washington 16, D.C.
 GILBERT, MAXTED (M'57), Area Engr., Canadian Broadcasting Corp., Chateau Laurier, Ottowa, Ont., Canada.
 GILBERT, RICHARD C. (S'47-A'50-M'55-SM'5B), Systems Engr., Republic Aviation Corp., 233 Jericho Toke., Mineola, L.I., M, Y.
- mineola, L.I., M.Y.
 GILBERT, RICHARD E. (S'57-M'59), Field Service Rep.,
 Boeing Airplane Co., Box 3707, Seattle 1, Wash.
 GILBERT, ROSWELL W. (M'46), V.P., Research &
 Dev., Daystrom-Weston Divs., 614 Frelinghuysen Ave.,
 Newark 12, N.J.
- wewark 12, N.J.
 GILBERT, WALTER E. (A'36-SM'45), Chief Engr.,
 Accessory Div., Philoc Corp., Philadelphia 34, Pa.
 GILBERT, WENDELL N. (S'56-M'57), Mem. Tech. Staff,
 Research & Dev. Lab., Hughes Aircraft Co., Culver City,
 Calif.
- GILBERTSON, BERNARD I. (A'4B-M'55), Mfg. Engr. & V.P., Transformer Engrs., 2B5 N. Halstead St., Pasadena, Calif.
- GILBERTSON S. ROBERT (S'47-A'49-M'55), Asst. Mgr., Minneapolis-Honeywell Regulator Co., Ordnance Div., Seattle Development Lab., 433 N. 34 St., Seattle 3,

- Wash.
 GILBO, ARNOLD W. (M'59), Project Engr., RCA Service
 Co., Camden, N. J.
 GILBREATH, BENJAMIN F. (M'58), Asst. Engr., Texas
 Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 GILBREATH, JIM A. (S'57-M'59), Electronics Scientist,
 U.S. Navy Electronics Lab, San Diego, Calif.
 GILBREATH, ROY E., JR. (S'51-A'53), Sect. Head,
 Radiation, Inc., Melbourne, Fla.
 GILCHER, VINCENT J. (A'47), Rockefeller Center, Inc.,
 50 Rockfeller Plaza, New York, N.Y.
 GILCHRIEST, CARL E. (S'48-A'51-M'58), Research
- 50 Rockfeller Plaza, New York, N.Y.
 GILCHRIEST, CARL E. (S'48-4'51-M'58), Research
 Engr., Jet Propulsion Labs., California Institute of
 Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.
 GILCHRIST, BRUCE (4755), Mgr., Computing Center, IBM
 Research Center, Yorktown Heights, N.Y.
- GILCHRIST, EDGAR S. (A'51-M'57), Chief Engr., Manning, Maxwell & Moore, Inc., Microsen Controls, E. Main St., Stratford, Conn.

- Strafford, Conn.
 GILDEA, HARRY (S'55-M'59), Elec. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
 GILDEN, MEYER (S'47-A'48-M'55), Mem. Tech. Staff, Microwave Lab., GE Co., 601 California, Palo Alto, Calif. GILDENBERG, DANIELI, (S'55-M'56), Dev. Engr. "A," McDonnell Aircraft Corp., St. Louis, Mo.
 GILDER, ELBERT E. (A'45), Applications Engr., Wilkinson Bros., 2406 Ross, Dallas 16, Tex.
 GILDER, GABRIEL (S'48-A'50-M'55), Sr. Engr., RCA, 11B19 W. Olympic Blvd., Los Angeles 64, Calif.
 GILDERSLEEVE, RICHARD E. (S'46-A'49-SM'54), Asst. Prof., Syracuse Univ., Elec. Engrg. Dept., Syracuse 10, N.Y.
- N.Y.
 GILES, CHARLES S. (A'51), Salesman, Oil Capitol
 Electronics Corp., 7D8 S. Sheridan, Tulsa, Okla.
 GILES, GEORGE H. (A'58), Owner, George H. Giles Sales,
 Box 7D, Thornhill, Ort., Canada.
 GILES, GEORGE R. (S'52-A'55), 2nd Lt., USAF, Elec.
 Engr., Rome Air Development Center, Griffiss AFB, N.Y.
 GILES, JACK W. (S'47-A'49-SM'54), Dir., Countermeasure, Litton Industries, Inc., 5DD9 Calvert Rd., College
 Park, Md.

- Park, Md.

 GILES, JAMES N. (S'57-M'59), 2nd Lt., USAF, 1950th
 AACS Sadn., APO 231, New York, N.Y.

 GILES, R. CLARK (M'50), Electronics Engr., Research
 & Dev. Div., Office of the Chief Signal Officer,
 Washington 25, D.C.

 GILFILEN, LOUIS J. (A'43-M'46-SM'59), Sr. Electronics
 Engr., Ground Electronics Installation Agency, Robins AFB,
 Ga.
- GILFORD, SAUL R. (A'43-M'55), Pres. & Dir., Research, Gilford Instrument Labs., Inc., Oberlin, Ohio. GIL GIRON, DARDO (A'55), Pres. & Genl. Mgr., AviaCom., Paseo Colon 995, Buenos Aires, Argentina. GILKISON, CHARLES A. (M'56), Mem. Tech. Staff, Ground Systems Div., Hughes Aircraft Co., Fullerton, Calif.
- Calif.

 GILL, ALAN L. (A'56), Service Engr., Picker X-Ray Engrg. Ltd., 727 10 Ave., W., Calpary, Alta., Canada.

 GILL, ANDREW B. (A'54), Partner, Fidelity Electronics, 2603 Cheverly Ave., Cheverly, Md.

 GILL, ARCHIBALO J. (M'30-F'40/L), Chmn., British Telecommunications Research, Ltd., Taplow Ct., Taplow, Maidenhead, Berks., England.

 GILL, C. CLARK (S'51-A'53-M'58), Elec. Engr., Minneapolis-Honeywell Regulator Co., 433 N. 34 St., Seattle 3, Wash.

 GILL, HARRYA. (SM'48), Engr. Eigher Scientific Co.

- Seature 3, versus
 GILL HARRY A. (SM'48), Engr., Fisher Scientific Co.,
 711 Forbes St., Pittsburgh 19, Pa.
 GILL, JOSEPH P., JR. (M'55), Chief Engr., WRDW-TV &
 Radio, Southeastern Newspapers, Inc., News Bidg.,
 August 26, 2 Radio, South Augusta, Ga.
- Augusta, Ga. GlLL, LAWRENCE R. (S'55-A'56), Technician, Govt. Project, Burroughs Corp. Home: 107 E. Utica St., Oswego, N.Y.
 GILL, MARCEL S. (A'55), Instrument Sales Engr., Broger Instruments Sales Co., Inc., 48 Pearl St., Brookline 47, Mass.
- GILL, PERRY (A'58), Partner, Alphia Television, 2090 Amsterdam Ave., New York 32, N.Y.

- GILL, RICHARD M. (S'45-A'46-M'56), Components Reliability Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex. GILL, WALTER J. (S'56-M'5B), 1st Lt., USAF, Elec-tronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.
- GILLAM, JAMES R. (S'54-A'54), Applications Engr., Texas instruments, Inc., 13500 N. Central Expway., Dallas, Tex.
- Dallas, Tex.

 GILLAND, JERRY R. (M'5B), Staff Mem., Scientific Lab., Univ. of California, Box 1663, Los Alamos, N. M. GILLARD, CALVIN W. (M'56), Engr., Sylvania Elec. Prods., Inc., Mountain View, Calif.

 GILLARD, WILLIAM H. (M'54), Asst. Sales Mgr., The McKinnon Industries, Ltd., Ontario St., St. Catharines, Ont., Canada.
- GILLE, WILLIS H. (SM'56), Chief Staff Engr., Minneapolis-Honeywell Regulator Co., 2753 4 Ave., S., Minneapolis 8, Minn.
- GILLEAN, MARFRED E. (A'52-M'58), Supvry. Electronics Engr., U.S. Naval Ordnance Lab., White Oak, Silver Spring, Md.
- Spring , Md .

 GILLEN , DANIEL A . (A'52-M'5B) , Flight Controls Engr., Lockheed Missile & Space Div. , Sunnyvale, Calif.

 GILLEN , ROBERT M . (A'56), Engr., Electronics , Sylvania Elec. Prods . , Inc. , Waltham , Mass .

 GILLEN , THOMAS W . (M'56) , Circuit Engr., Hughes Aircraft Co., Buena Park , Calif .

 GILLENWATER , THURSTON M . (M'57) , Project Engr., RCA Service Co., B2B N . Henry St., Alexandria , Vo. GILLEO, M . ALTEN (S'423-4'45-M'55), Research Scientist , Lockheed Aircraft Corp., 3251 Hanover St., Palo Alto , Calif .

 GILLEN MORRIS (M'57) Eloc .

- Palo Alto, Calif.

 GILLER, MORRIS (M'57), Elec. Engr., Bendix Radio Div., Towson 4, Md.

 GILLERAM, FRANK M. (S'55-M'57), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 GILLERMAN, LIONEL (S'56-M'56), Supvr., Applied Math., McDonnell Aircraft Corp., Box 516, St. Louis 66, Mo.

 GILLESPIE, CARLTON M., JR. (M'58), Field Service Supvr., Collins Radio Co., 2616 E. Broadway, Tucson, Ariz.
- GILLESPIE, CHARLES H., JR. (S'52-A'53-M'59), Tech. Writer, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- GILLESPIE, CHARLES H., JR. (S¹52-A¹53-M¹59), Tech. Writer, Sperry Gynoscope Co., Great Neck, L.I., N.Y. GILLESPIE, CHARLES N. (J¹41-A¹42-M¹55), Engr., Raytheon Mig. Co., Waltham 54, Mass. GILLESPIE, DANIEL P. (A¹57), Dir., Industrial Relations, Natl. Cash Register Co., Electronics Div., 1401 E. El Segundo Blvd., Hawthome, Calif. GILLESPIE, EDMOND S. (S¹50-A¹51-M¹56), Antenna Research Engr., Lockheed Aircraft Corp., 1705 Victory Pl., Burbant, Calif. GILLESPIE, H.C. (A'40-M¹55), Mgr., Scientific Engrg., Instruments, RCA, Camden, N.J. GILLESPIE, HARRY R., JR. (M¹55), Genl. Mgr., Edcliff Instruments Co., 1711 S. Mountain, Monrovia, Calif. GILLESPIE, NORMAN R. (A¹54), Sr. Electronics Engr., Radar & Communications Sect., Research Labs., Cook Technological Center, 6401 Oakton St., Morton Grove, III. GILLESPIE, THOMAS F. (A¹57), Electronics Shop Supvr., Tennessee Gas Transmission Co., 9001 Randolph, Houston, Tex.
- HOUSTON, 1EX.
 GILLETTE, EDWARD H. (A'53), Pres., Allied Control
 Co., Inc., 2 East End Ave., New York 21, N.Y.
 GILLETT, GLENN D. (A'22-M'27-F'34), Design Specialist
 & Staff Engr., Lockheed Missiles Systems Div., Sunnyvale,
- GILLETT, ROY L., JR. (S'51-A'52-M'57), Supvr., Test Equipment Engrg. Operations, HMED, GE Co., Syracuse,
- GILLETTE, ALPHEUS J., JR. (A'54), Asst. Supvr. Engrg. Planning & Estimating, Convair-Astronautics, San Diego, Calif.
- Sin Drey, Charlet Alty., 100 E. 42 St., New York, N.Y. GILLETTE, DONALD (A'47), Patent Alty., 100 E. 42 St., New York, N.Y. GILLETTE, EDWARD C., JR. (A'31-M'55), Col., U.S. Army, Dept. Head, Physics & Chemistry, U.S. Military Academy, West Point, N.Y.
- Academy, West Point, N.Y.

 GILLETTE, EDWARD H. (A.'53), Pres., Allied Control.
 Co., Inc., 2 East End Ave., New York 21, N.Y.

 GILLETTE, JACK S. (5'49-A'53-M'59), Engr., Hughes
 Aircraft Co., Woburn, Mass.

 GILLETTE, KENNETH G. (A'29-VA'39-M'55), Electronics
 Engr., FCC, Washington 1D, D.C.

 GILLETTE, P. ROGER (M'50-SM'52), Sr. Physicist,
 Stanford Research Institute, Menlo Park, Calif.

 GILLIAM, CHARLES E. (A'46), Owner, Park Radio &
 Television, B138 State St., South Gate, Calif.

 GILLIAM, DARRELL (M'57), Design Engr., Aerojet-Genl.
 Corp., 410 N. Citrus, Covina, Calif.

 GILLIAM, OONALD W. (S'55-A'57), Box 34, Orestes 2,
 Ind.

- Ind.
 GILLIAM, TEMPLE J. (M'58), Electronics Engr., Collins Radio Co., 2700 W. Olive, Burbank, Calif.
 GILLIAND, HENRY W. (A'53), Electronic Specialist, Diamond Ordnance Fuze Labs., Washington 25, D.C.
 GILLIE, ANGELO C. (M'59), Coordinator, Fundamental Electronics Dept., Ward School of Electronics, 44 Niles St., Hartford, Conn.
- GILLIES, GILBERT A. (A'54), Design Supvr., Canadian Arsenals, Ltd., Box 256, Sta. H., Toronto 13, Ont., Canada.
- GILLIES, JOSEPH H. (M'37-SM'43), Corporate V.P., Operations, Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.

- 34, Pa.

 GILLIES, MALCOLM A. (S'54-M'56), Electronics Engr.,
 Natl. Cash Register Co., 1401 El Segundo Blvd.,
 Hawthorne, Calif.

 GILLIES, WALLACE (S'51-A'52-M'57), Dev. Engr.,
 Westinghouse Elec. Corp., Box 284, Elmira, N. Y.

 GILLIGAN, LAWRENCE H. (M'55), Engr., Sanders
 Associates, Inc., 95 Canal St., Nashua, N. H.

 GILLIGAN, THOMAS E. (M'57), Engr. Specialist, Philoo
 Corp., 4700 Wissahickon Ave., Philadelphia, Pa.

 GILLILAND, WILLIAM D. (M'48), Electronics Engr.,
 Gilliland Instrument Co., 3124 E. 14 St., Oakland 1,
 Calif.

- GILLIN, GEORGE F. (A'54), Lt. jg., USNR, Aeronautical Engrg. Officer, Overhaul & Repair Dept., Naval Air Sta., Ouonset Point, R.I. GILLINGS, JOHN W. (M'55), Oir., Fluid Controls Unit, Robertshaw-Fulton Controls Co., Santa Ana Freeway &
- Fuclid Anaheim Calif
- CILLIS, DANIEL J. (A'56), Electronics Repairman, Youngstown Sheet & Tube Co., Indiana Harbour, Ind.
 GILLIS, DAVIO E. (S'55-M'59), 1145 W. 142 Pl.,
 Hawthome, Calif.

- Hawthome, Calif.

 GILLIS, JAMES W. (A'58), Bendix Radio Tokyo Depot, APO 925, San Francisco, Calif.

 GILLIS, JOHN E. (S'55-M'57), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 GILLMANN, HAROLD E. (M'59), Field Engr., Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 GILLMEISTER, FREDERICK W. (A'31-VA'39), Dev. Engr., Varian Associates, Palo Alto, Calif.

 GILLMEISTER, FREDERICK W. (B'31-VA'39), Dev. Engr., Varian Associates, Palo Alto, Calif.

 GILLMEISTER, FREDERICK W. (B'31-VA'39), Dev. Engr., Varian Associates, Palo Alto, Calif.

 GILLME, ARNOLD H. (S'43-A'46-SM'55), Research Physicist Group Head, Systems Dept., Hughes Aircraft Co., Culver City, Calif.

 GILLON, KENNETH E. C. (A'56), Mai., Indian Army (Comes
- GILLON, KENNETH E.C. (A'56), Maj., Indian Army (Corps of Signals), c/o Mgr., Lloyds Bank, Ltd., Hornby Rd., Bombay 1, India.

- of Signals), c/o Mgr., Lloyds Bank, Ltd., Hornby Rd., Bombay 1, India.
 GILLOTT, OONALD H. (S'55-M'57), Instr., Elec. Engr., Univ. of Pittsburgh, Pittsburgh, Pa.
 GILLS, LOUIS C. (S'49-A'52-M'58), Project Engr., Aeronautical Radio, Inc., 1700 K St., Washington, D.C.
 GILMAN, BERNARD S. (S'42-A'44-M'55), Genl. Mgr., Hillburn Electronic Prods. Co., 55 Nassau Ave., Brooklyn 22, N.Y.
 GILMAN, GEORGE W. (A'29-Sw-4/-F'50), Dir., Teregraph, Signaling & Special Systems Dev., Bell Tel. Labs., 463
 West St., New York 14, N.Y.
 GILMAN, HAROLO O. (M'56), Mathematical Analyst, Missiles & Space Vehicles Dect., GE Co., 319B
 Chestnut St., Philadelphia 4, Pa.
 GILMAN, HARBERT (M'56), Field Engr., The I.E. Robinson Co., 7404 W. Chester Pite, Upper Oarby, Pa.
 GILMAN, MARTIN A. (S'37-A'39-VA'39-M'55), Asst. Publicity Mgr., Genl. Radio Co., West Concord. Mass.
 GILMAN, VIRGIL V. (S'57-M'59), Assoc. Scientist, Lockheed Missile Systems, Palo Alto, Calif.
 GILMAN, WALTER L. (S'51-M'56), Lt. ig., USNR, USN, Philadelphia Naval Shipyard, Philadelphia 12, Pa.
 GILMARTIN, JAMES J., JR. (A'47-M'47), Hazeltine Electronics Corp., 48 Alpine Way, Dogwood Knolls, Huntington Sta., L.I., N.Y.
 GILMARTIN, THOMAS (M'45-SM'54), Staff Geologist, Pan-American Petrolem Corp., Box 1410, Ft. Worth,
- GILMARTIN, THOMAS (M'45-SM'54), Staff Geologist, Pan-American Petroleum Corp., Box 1410, Ft. Worth,
- GILMER, DONALD R. (S'56-M'57), Jr. Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q., Canada.
- Canada.

 GILMER, ROBERT L. (A'59), Instrument Engr., Goodyear Atomic Corp., Box 628, Portsmouth, Ohio.

 GILMORE, ALFREO C. (A'47-M'55), Assoc, Prof., Stevens Institute of Technology, 5 & River Sts., Hoboken, N. J.

 GILMORE, ARNOLO R. (M'59), Field Engr., Pickard & Burns, Inc., Needham 94, Mass.

 GILMORE, DONALD A. (S'55-M'57), Elec. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 CHANGE CONALD B. (M'57), Deep Magin Co. Balting Co.
- GILMORE, OONALD B. (M'57), Engr., Martin Co., Balti-more 3, Md.
- GILMORE, ERIC H. (A'54-M'58), Field Engr., RCA, Camden, N.J.
- Camden, N. J.
 GILMORE, JAMES P. (A'46-SM'54), Supvg. Engr., Surface
 Communications Dept., RCA, Camden, N. J.
 GILMORE, JOHN F. (S'57-M'59), Mem. Tech. Staff, Bell
 Tel. Labs., 463 West St., New York, N. Y.
 GILMORE, Q. EUGENE (S'56-M'56), Flight Test Engr.,
 Convair, Patrick AFB, Fla.
 GILMORE, WALTER C. (A'54), Engr., RCA, Camden
 2. N. J.

- Z, N.J.,
 GILMOUR, GEORGE A. (S'55-M'57), Lt. jg, USNR,
 N.P.T.U., N.R.F., Idaho Falls, Idaho.
 GILMOUR, RONALD R. (A'40-M'48-SM'58), Asst. Test &
 Metering Engr., Capetown Corp., Strand St., Capetown,
 South Africa.
- GILOTAUX, PIERRE (M'54), Chief Engr., Pathe-Marconi, Chatou, Seine et Oise, France.

- Chatou, Seine et Olse, France.

 GILOTH, PAUL K. (S'47-A'4B), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 GILPIN, DONALD J. (S'55-M'56), Electronics Component Engr., Motorola, Inc., McDowell Rd., Phoenix, Ariz.

 GILROY, JOHN W. (M'56), Mgr., Administration, Research Labs., Hughes Aircraft Co., Culver City, Calif.

 GILROY, ROBERT B. (S'4B-A'49-M'55), Chief, Navigational Aides Sect., FAA, Box 4009, Honolulu 12, Hawali.

 GILSON, ROBERT J. (SM'55), Tech. Dir., AN/ULD-1 Program, Hoffman Labs. Div., 3740 S. Grand, Los Angeles 7, Calif.

 GILSON, WARREN E. (A'52-SM'52). Progrietor, Gilson
- GILSON, WARRENE. (A'52-SM'52), Proprietor, Gilson Medical Electronics, Middleton, Wis.
- Medical Electronics, Middleton, Wis.

 GILTINAN, THOMAS L. (S'52-A'54), Engr., ARO, Inc.,
 Tullahoma, Tenn.

 GIMBEL, JOHN O. (S'55-M'58), 2851 S. Coconino Vista,
- GIMON, EDWARD E. (M'47), Group Engr., The Martin Co., Orlando, Fla.
- GIMPEL, DONALD J. (S'49-A'53-M'58), Oir., Engrg. Amoux Corp., 11924 W. Washington Blvd., Los Angeles, Calif.
- GINDER, MARK E. (S'50-A'52-M'56), Oev. Engr., GE Co., HMED, Syracuse, N. Y.
- GINDI, ABE M. (A'5B), Design Engr., IBM, Poughkeepsie,
- N.Y.
 GINODFF, MARTIN (S'56-M'59), Instr., Polytechnic Insti-tute of Brooklyn, 333 Jay St., Brooklyn 1, N. Y.
 GINDSBERG, JOSEPH (SM'54), Sr. Engr., Raytheon Mfg.
 Co., Bedford, Mass.
- CO., Bedioro, Mass. (INGRICH, CARL C., JR. (M'57), Fingr., Western Flectric Co., 555 Union Blvd., Allentown, Pa. GINGRICH, WILLIAM G. (M'59), Component Engr., IBM, Owego, N.Y.
- Owego, N. Y.
 GINN, ARCHIE (M'57), Supvy. Aeronautical Research Engr.,
 Naval Missile Center, Point Mugu, Calif.
 GINN, ROBERT (S'55-M'57), Telemetry Engr., RCA Service
 Co., Patrick AFB, Fla.

- GINNINGS, ROBERT M. (S'56-M'59), Instr., Elec. Engrg., Univ. of Maryland, College Park, Md.
- Univ. of Maryland, College Park, Md.

 GINNS, HASKELL (M'58), 76 Coolidge Hill Rd., Watertown
 72, Mass.

 GINSBERG, ALVIN (S'54-M'58), Jr., Dev., Engr., TeleDynamics, Inc., 5000 Parkside Ave., Philadelphia 31,
 Pa.
- GINSBERG, ELIHU M. (M'55), Assoc. Dev. Engr., Burroughs Corp., Paoli, Pa.
 GINSBERG, GEORGE (A'52), Mgr., SOS Radio-Television Service, 927 Decarie Blvd., Ville St. Laurent, P.Q., Canada.
- Canada,
 GINSBERG, IRVING (S'43-A'45), Electronics Engr., Sylvania Electronic Systems, 189 B St., Neeham 94, Mass.
 GINSBERG, LAWRENCE H. (A'51-SM'56), Staff Scientist, USI Tech. Center Div., U. S. Industries, 3901 N.E. 12
 Ave., Pompano Beach, Fla.
 GINSBERG, MELVIN (S'56-M'57), Asst. Project Engr.,
 Eclipse Pioneer Div., Bendix Aviation Co., Teterboro,
- N. J.
 GINSBERG, MURRAY P. (S'49-A'50-M'52-SM'57), Project Mgr., Weapon Systems, Republic Aviation Corp., Missile Systems Div., 223 Jericho Toke, Mineola, L. I., N. Y.
 GINSBURG, CHARLES P. (A'48-M'55), Mgr., Video Engra, Oept., Ampex Corp., 934 Charter St., Redwood City, Calif.

- City, Calif.

 GINSBURG, GEORGE S. (A'54-M'58), Engr., Raytheon
 Mfg. Co., Waltham 54, Mass.

 GINSBURG, ISAAC (A'55), Electronics Engr., Telecommunications Branch, Dept. of Transport, Ottawa, Ont., Canada.

 GINSBURG, LEON (S'56-M'57), Elec. Engr., Roto Bag
 Machine Curu., 130 E. 13 St., New York, M.Y.

 GINSBURG, SEYMOUR (M'57), Sr., Research Engr., Electronics Div., Natl. Cash Register, 1401 El Segundo Blvd.,
 Hawthorner, Calif.

 GINSTLING, AJZYK (S'54-A'55). Dev Engr. Varian Asson
- Hawthome, Calif.

 GINSTLING, AJZYK (S'54-A'55), Oev. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
 GINTERS, FRICIS A. (S'53-A'55), Elec. Engr., RCA, Moorestown, N.J.
 GINZBURG, SOL (A'59), Sr. Electronics Lab. Technician, Genl. Transistor Copp., 91-27 138 Pl., Jamaica 35, L.I., N.Y.
- GINZTON, EDWARD L. (S'39-A'40-SM'46-F'51), Prof., Elec. Engrg. & Applied Physics; Dir., Microwave Lab., Stanford Univ., Stanford; Mem. Bd. of Dirs., Varian Asso-

- Elec . Engrg . & Applied Physics; Uir. , Microwave Lab., Stanford Univ. , Stanford off, Mem. Bd. of Dirs. , Varian Associates, Inc. , Palo Alto, Calif. GIOGGIA , ADOLF E . (4.755), Tech. Writer, Signal Corps, Publications Agency, Ft. Monmouth, N. J. GIOIA, STEVE C . (5.756-M*5B), Electronics Engr., Picatinny Arsenal, Dover, N. J. GIOIA, STEVE C . (5.756-M*5B), Electronics Engr., Picatinny Arsenal, Dover, N. J. GIOIELLI, ROBERT R. (4.75B), Industrial Specialist, American Bosch Arma Corp., Garden City, L. I. , N. Y. GION, JOSEPHA. (4.49), Tech. Maint., CBS, 7800 Beverly Blvd., Los Angeles, Calif. GIORDANO, ALFRED M. (5.71-4.74), Jr. Contracts Administrator, Loral Electronics Corp., 825 Bronx River Ave., New York 72, N. Y. GIORDANO, AMESF. (5.47-A.49-M*55-SM*57), Sr. Project Engr., 1TT Labs., Nutley 10, N. J. GIORDANO, ANTHONY B. (SM*46-F*5B), Asst. Dean, Graduate School, Prof., Elec. Engr., Polytechnic Institute of Brooklyn, 85-79 Livingston St., Brooklyn 1, N. Y. GIORDANO, JOHN R. (S*53-M*55), Electronics Engr.,
- DITOKIYM, OD-YY LIVINGSton St., Brooklyn 1, N.Y.
 GIORDANO, JOHN R. (S'53-M'55), Electronics Engr.,
 Westinghouse Elec. Corp., Friendship Internati. Airport,
 Baltimore, Md.
 GIORDANO, MICHAEL J. (A'52-M'57), Elec. Engr., Naval
 Air Materiel Center, Philadelphia Naval Base, Philadelphia,
 Pa.

- Pa.

 GIOROANO, PAUL J. (S'52-A'53), Electronics Engr., Naval Materiel Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

 GIORDANO, RAYMOND L. (S'55-M'57), Engr., Design & Dev., RCA, Camden 1, N.J.

 GIORDANO, SALVATORE (S'50-A'54), Elec. Engr., Brookhaven Natl. Labs., Upton, L.I., N.Y.

 GIORGI, OOMINICK A. (S'52-A'54), Tech. Publication Engr. Western Electric Co., White Sands Missile Range, N.M.

 GIORI, FRANCIS A. (M'53), Principal Engr., Comeli Aeronautical Lab., Inc., 4455 Genesee St., Buffalo 21, N.Y.

 GIOVACCHINI, OTELLO (A'52), Pres. & Genl. Mor., Mercury S.p.A-Via Passione, 1-Milano, Italy; Mercury S.r.I. Calle R. de Sabana Grande, Edificio Galeria Bolvar, Or., 3, Cara-cas, Venezuela: Mercury Trading Corp., 521 5 Ave., New
- cas, Venezuela; Mercury Trading Corp., 521 5 Ave., New York 17, N.Y.; Mercury Compagnic Commerciale Internationale, 17 Rue Montbrun, Paris XIV, me, France.
 GIOVANNI, GEORGE (S'53-A'54), Methods Specialist, Western Electric Co., 401 Hudson St., New York 14, N.Y.
- N.T.

 GIPE, ROBERT C. (A'42), Assoc. Electronics Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md. GIPPLE, CRAIG A. (S'56-M'57), Engr.-in-Training, AT&T Co., Kansas City, Mo. GIPSLIS, PAUL W. (S'54-A'55), Engr., RCA, Harrison,
- N.J.
 GIRALA, ANTHONY S. (M'57), V.P., Research, F.H.
 Maloney Co., 2301 Texas Ave., Houston 1, Tex.
 GIRARD, EDWARD J. (M'42-SM'43), Asst. V.P., Internati.
 Standard Electric Corp., 1000 16 St., N.W., Washington,
 D.C.
- GIRARD, LARRY J. (S'54-M'57), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa. GIRARD, PAUL A. (M'47), Mng. Dir., Cla Radio Interna-cional Do Brasil, Caixa Postal 709, Rio de Janeiro, Brazil.
- GIRARDELLI, LAURO R. L. (A'53), Asst. Prof., Escola Politecnica da Universidade de Sao Paulo, Pr. Cel. Fer-nando Prestes, 152 Sao Paulo, Sao Paulo, Brazil.
- GIRDWOOD, JAMES (A*50-M*55), Publisher, Electronics & Nucleonics Magazines, McGraw-Hill Publishing Co., 330 W. 42 St., New York 36, N.Y.
- 42 St., New York 36, N.Y.

 GIRFRO, JEAN I M. (M'55), Chef du Centre de Calcul Analogique Laboratoires R. Derveaux, 6 Rue J. Simon, Boulogne S/Seine, France.

 GIRGUS, SAMUEL O. (S'56-M'58), Engr., ITT Labs., Nutley 10, N.J.

 GIRISMEN, M. FAHIR (S'52-A'53-M'58), ECM Staff Engr., Martin Co., Baltimore 2, Md.

 GIRIUNAS, JOHN J. (S'55-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

- GIRODIAS, RENE M. (S'48-A'49-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. GIROUARD, LOUIS O., JR. (S'42-A'46-M'55), Cutover Coordinator, Pacífic Telephone & Telegraph Co., 8075 Melrose Ave., Los Angeles, Calif. GIROUARD, M. RICHARD (S'58-M'59), 1 Snow Ter., Littleton, Mass.
- GIROUX, PAUL H. (S'56-M'57), Assoc. Engr., IBM,
- Owego, N.Y. GIRVIN, RICHARD A. (M'56), Supt., Communications, Los Angeles Airways, Inc., 5901 W. Imperial Hwy., Los Angeles 45, Calif.
- GISE, FRANK G., JR. (A'42), Control Engr., Fluidyne Engrg. Corp., 5740 Wayzata Blvd., Minneapolis 16, Minn.
- GISER, HAROLD W. (S'52-A'53), Chief Engrg., Pacific Mututal Life Insurance Co., 523 W. 6 St., Los Angeles,
- GISONDO, GEORGE L. (M'57), Project Engr., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J. GISPEN, STEVEN J. (M'55), Mem. Tech. Staff, Space Technology Labs., Inc., 5730 Arbor Vitae, Los Angeles 45, Calif

- 45, Calif.

 (ISRIEL, JOHN W., JR. (A'57), Pres., Wilcox & Ziegler, Inc., 50 W. Oliver St., Baltimore 1, Md.

 GISSER, DAVIO (S'43-A'45-M'55), Asst. Prof., Renselaer Polytechnic Institute, Troy, N.Y.

 GISSING, HAROLO R. (A'44-SM'53), Systems Dev. Engr., Northern Electric Co., Ltd., 420 Lagauchetiere St., W., Montreal, P.Q., Canada.
- monitreal, F. A., Jourdana, GIST, WILLIAM W. (M'56), Specification Engr., Remington Rand Univac, St. Paul 16, Minn.
 GISTER, STANLEY (S:55-M'57), Oesign Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City,
- GITELMAN, EPHRAIM (S'51-A'51-M'57), Project Engr., Minneapolis-Honeywell Regulator Co., 40 Life St., Boston 35, Mass.
- GITHENS, OANIEL P., JR. (S'55-M'58), Project Engr., U. S. Naval Air Missile Test Center, Point Mugu, Calif. GITHENS, JOHN A. (S'50-A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J. (STHENS, THEODORE A. (A'42-SM'55), Group Leader, Transistor Radio Receiver Dev., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.

- W. Dickens Ave., Chicago 39, III.

 GITLIN, SAMUEL A. (5'0-A-153-M'56), Sr. Engr., Genl. Applied Science Labs., 59 Hempstead Garden Dr., West Hempstead, L.I., N.Y.

 GITMAN, KAISER (M'57), Electronics Dev. Engr., American Eastern Electronic Co., Ltd., Rishon L'zion, Israel.

 GITTELMAN, ARTHURI. (S'55-M'57), Engr., Ford Instrument Co., 30-10 Thomson Ave., Long Island City 1, N.Y.
- N.Y.
 GITTEMAN, JOSEPH N. (S'57-M'59), Elec. Engr., Hazeltine Research Corp., Little Neck 62, L.I., il.Y.
 GITTENS, E. DONALD (SM'56), V.P. & Div. Mgr., American Bosch Arma Corp., Garden City, L.I., M.Y.
 GITTENS, VICTOR S. (A'51), Engrg. Specialist, Philoc Corp., C & Tioga St., Philadelphia 34, Pa.
 GITTER, ROY E. (S'55-M'57), Electronics Design Engr., ITT Labs., Nutley 10, N.J.
 GITTINGER, NORMAN C. (M'59), Engr., GE Co., Schenectady, N.Y.
 GITTLEMAN, RALPH (S'52-A'53). Research Fnor. W. L.

- nectady, N.Y.

 GITTLEMAN, RALPH (S'52-A'53), Research Engr., W.L.

 Maxson Co., 460 W.34 St., New York 1, N.Y.

 GIUDA, HARRY W. (A'52-M'58), Training Dir., Field

 Service Dept., Datamatic, Minneapolis-Honeywell, Newton

 Highlands, Mass.
- Highlands, Mass.
 GIUFFRIDA, JOSEPH (M'55), Mgr., Electronic Equipment, CBS-Hytron, 100 Endicott St., Danvers, Mass.
 GIULIANELLI, RAOUL M. (S'47-A'49-M'55), Engrg.
 Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., M.Y.
 GIULIANO, MICHAEL N. (M'57), Engr., RCA Semiconductor Div., Rte. 202, Somerville, N.J.
 GIULIE, JOE D. (S'47-A'48-M'55), Co-owner, Illumitronic Engrg. Co., 680 E. Taylor Ave., Sunnyvale, Calif.
 GIVAN, DONALDE. (S'57-M'58), Research Engr., P. R.
 Mallory & Co., Inc., 3029 E. Washington St., Indianapolis, Ind.
 GIVEN, IRVING K. (Alica) Co.

- apolis, Ind.
 GIVEN, IRVING K. (M'52), District Engr., RCA, Communications, Inc., 135 Market St., San Francisco, Calif.
 GIVEN, WILLIAM H., III. (S'51-A'54), Mgr., Component
 Engrg. Dept., Technitrol Engrg. Co., 1952 E. Allegheny
 Ave., Philadelphia 33, Pa.
- GIVENS, RICHARD C. (M'54), Elec. Engr., RCA, Camden,
- N.J., GIVENS, VERNON Y. (S'56-M'57), Elec. Engr., Maint. Engrg., Brookley AFB, Mobile, Ala. GJERMUNDSON, GERALD J. (S'57-M'57), Jr. Engr., AC Spark Plug Div., GMC, Milwaukee, Wis.

- Spark Plug DIV., GMC, Milwaukee, Wis.
 GJERNES, ERVINE M. (A/56), District Mgr., Picker X-Ray
 Engro., Ltd., Regina, Sask., Canada.
 GJERTSEN, ERIK J. (A/54), Customer Engr., IBM, 618
 S. Michigan, Chicago, III.
 GJERTSON, RONALD O. (M/58), Component Applications
 Engr., Collins Radio Co., Cedar Rapids, lowa.
 GLACE, KENNETH (M/45), 5213 N. Hope St., Philadelphia
 20, Pa.
- 20, Pa.
 GLADDEN, CLARENCE J. (A'50), Test & Equipment Engr.,
 Electronics Enterprises, Inc., 67, 7 Ave., Newark, N.J.
 GLADDEN, MAURICE (M'56), Communications & Control
 Supt., Newfoundland Light & Power Co., Ltd., Water St.,
 St. Johns, Nfld., Canada.
- GLAOOING EVERETT B. (M'53-M'58), Cmdr., USN, Staff, Saclant, Saclant Hors., Norfolk 11, Va. GLADKOWSKI, EDWARD R. (M'59), 1312 New York Ave., Alamogordo, N.M. GLADSON, GOROON G. (A'51-M'57), Supt., Communications, Public Service Co. of Oklahoma, 600 S. Main St., Tulsa 2, Okla.
- GLADSTON, HARVEY (M'55), Production Mgr., Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.
- GLADSTONE, BRUCE E. (M'57), Elec. Engr., Electrosolids Com., 13745 Saticoy Ave., Panorama City, Calif. GLADWIN, ARTHUR S. (M'57), Assoc. Prof., McMaster Univ., Hamilton, Ont., Canada.

- GLADYS, STANLEY J. (S'49-A'51-M'57), Research & Dev. Engr., Ferranti Packard Electric, Ltd., Mt. Dennis, Toronto 15, Ont., Canada.
- GLAESER, DONALD H. (M'58), 6927 Chippewa, St. Louis 9, Mo.
- GLAESSER, EWALD (S'55-M'58), 630 N. 4 Ave., Tucson, Ariz.
- Tucson, Ariz.

 GLAN, GEORGE (A'42-M'45-SM'52), Asst. to Chief,
 Weapons Defense Div., Weapons Guidance Lab., Wrigh
 Air Development Center, Wright-Patterson AF8, Ohio.
- GLANCY, CHARLES H. (M'56), Electronics Engr., Wright Air Development Center, USAF, Wright-Patterson AFB, Ohio.
- Onio.

 GLANCY, DONALD R. (M'50-SM'59), Sect. Chief, Electronics, Curtiss-Wright Corp., Goleta, Calif.

 GLANCY, ROBERT C., JR. (SM'53), Service Engr., AT&T Co., 400 Hamilton Ave., White Plains, N.Y.

 GLANDER, HAROLD H. (S'49-A'51-M'56), Project Engr., Gibbs Mfg. & Research Corp., 450 N. Main St., Janesville, Wis.
- GLANDON, ADRIAN E. (S'49-A'51-M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa. GLANTZ, LESTER M. (S'47-A'49-M'53-SM'56), Sect. Head, Bulova Research & Development Labs., Inc., 62-10 Woodside Ave., Woodside 77, L.I., N.Y.
- LANTZ, RAYMOND H. (A'51), Salesman, S. R. Ross, Inc., 1212 S. State St., Salt Lake City, Utah. GLASBERG, MARTIN (M'59), Engr., United Shoe Machinery Corp., Beverly, Mass. GLASBY, WILLIAM E. (M'52), District Mgr., Railway Age, Simmons Boardman Publishing Corp., 30 Church St., New York, 7, N. Y.
- CLASCOCK, RAY D. (S'50-A'51-M'56), Lead Engr., Norair Div., Northrop Aircraft, Inc., Hawthorne, Calif. GLASCOCK, ROBERT B. (S'55-M'58), 2377-C 45 St., Los Alamos, N. M.
- Los Alamos, N. M.
 GLASEL, WARREN B. (A'52-M'58), Engr., Illinois Bell Tel. Co., 212 W. Washington St., Chicago 25, III.
 GLASER, EDMUND M. (S'49-A'50-M'55), Research Assoc., Radiation Lab., The Johns Hopkins Univ., Baltimore 2, Md.
- GLASER, EDWARD L. (M'57), Sr. Systems Analyst, Electro Data Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.
 GLASER, EDWARD M. (A'27-SM'46), Chief Elec. Engr., Kollsman Instrument Corp., 80-08 45 Ave., Elmhurst 73, L.1., N. Y.
- GLASER, GERALD J. (S'55-M'56), Engr., GE Co.,
- GLASER, GERALD J. (5'DD-M'DD), Engr., GL. CO., Utica, N. Y.

 GLASER, HELLMUT I. (S'55-M'57), Project Engr., Owens-Coming Fiberglas, Anderson, S.C.

 GLASER, JOHN L. (S'46-A'51-SM'52), Transmission Studies Engr., Bell Tel. Labs., Murray Hill, N. J.

 GLASER, MARCUS (4'45-SM'49), Chief Engr. & V. P., United Scientific Labs., De Wald Radio, 35-13 37 Ave., Long Island City 1, N. Y.

 CLASER, PAILL F. (S'48-A'49-M'56), Mem. Tech. Staff,
- Long Island City 1, N. Y.

 GLASER, PAUL F. (S'48-A'49-M'56), Mem. Tech. Staff,
 Space Technology Labs., 5500 W. El Segundo Blvd.,
 Los Angeles, Calif.
 GLASER, PETER S. (M'57), Project Engr., Nalt. Cash
 Register, 1401 El Segundo, Hawthorne, Calif.
 GLASER, RAYMOND A. (A'42-M'55), Mgr., Electronics
 Branch, Systems Mngt. Office, Boeing Airplane Co., Seattle 24, Wash.
- attle 24, Wash.
 CLASFORD, GLENN M. (S'41-A'42-SM'48), Prof.,
 Elec. Engrg. Dept., Syracuse Univ., Syracuse 10, N.Y.
 GLASGOW, ROY S. (M'26-SM'43-F'55), Dean, USN
 Postgraduate School, Monterey, Calif.
 GLASHEEN, RICHARD W. (M'54), Asst. Prof., Staten
 Island Community College, 50 Bay St., Staten Island, N.Y.
 GLASS, ALAN H. (M'48), Chief, Program Engrg. Branch,
 FAA, 4825 Troost St., Kansas City 10, Mo.
 GLASS. BENJAMIN W. IR. (S'56-MIS8), Elec. Engr.
- FAA, 4825 Iroost St., Kansas City 10, Mo.
 GLASS, BENJAMIN W. JR. (S'56-M'58), Elec. Engr.,
 Meloar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 GLASS, CLYDE E. (S'54-A'55), Instrumentation Technician, GE Co., Richland, Wash.
 GLASS, DONALD H. (S'54-M'56), Assoc. Engr., IBM,
 Vineston N. V.

- Kingston, N. Y.

 GLASS, FRANK W. (S'53-M'56), Assoc. Engr., IBM,
 GLASS, FRANK W. (S'53-M'56), Test Mgr., Advisory
 Staff, IBM, Monterey & Cottle Rds., San Jose, Calif.
 GLASS, HARVEY W. (S'55-M'57), Zingr., Airborne Instrument Lab., Garden City, L.I., N. Y.
 GLASS, JACOB F. (A'57), Sr. Parts Analyst, Design
 Service Co. of New York, Inc., 76 9 Ave., New York
 11, N. Y.

- 11, N. Y.

 CLASS, LEON H. (M'57), Electronics Design Engr., Picatinny Arsenal, Dover, N. J.

 GLASS, MYRON S. (A'36-VA'39-M'55-SM'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 GLASS, RAYMOND E. (SM'54), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 CLASS, ROMALD (A'58), Engr., Aero Geo Astro, 1914

 Duke St., Alexandria, Va.

 GLASS, SAM N. (M'58), Flight Test Engr., Lockheed Aircraft Co., Marietta, Ga.

 GLASS, TOMAS J. (S'52-M'59), Asst. Prof., Elec. Engrg. Dept., Marquette Univ., 1515 W. Wisconsin Ave., Milwaukee, Wis.

 GLASS, WILLIAM (A'54), Sales Engr.
- Dept., Marquette Univ., 1515 W. Wisconsin Ave., Milwatikee, Wis.
 GLASS, WILLIAM (A'54), Sales Engr., Ampex Corp.,
 423 Bloomfield Ave., Montclair, N. J.
 GLASS, WILLIAM F. (S'55-M'56), Electronics Engr., RCA
 Service Co., Missile Test Project, Patrick AFB, Fla.
 GLASS, WILLIAM G. (S'48-A'51-M'56), 704 N.W. 39,
 0klahoma City 18, Okla.
 GLASSCO, PAUL B. (SM'51), Chief Airways Aids Sect.,
 FAA, Bureau of Facilities, Washington 25, D. C.
 GLASSER, HAROLD (A'55), Partner, Mil-E Supply Co.,
 Box 23, Ft. Goorge Sta., New York 40, N. Y.
 CLASSER, HERMAN (A'49), Pres. Radiological Service
 Co., Inc., 244-02 Jamaica Ave., Bellerose, L. I., N. Y.
 GLASSER, LAWRENCE J. (S'54-M'57), Asst. Project
 Engr., Bendix Aviation Corp., Teterboro, N. J.
 GLASSFORD, HUGH A. (A'47), Pres., Tech. Associates,
 140 W. Providencia Ave., Burbank, Calif.
 GLASSMAN, IRVING (M'48), Mgr., Projects Engr., RCA,
 Moorestown, N. J.
 GLASSMAN, SAMUEL (M'50), Sales Engr., & Engro, Consultant, S. Glassman Co., 28 Prestwick Ter., Glen Cove,
 L. I., N. Y.

- GLASSMAN, SANFORD H. (S'50-A'52-M'57), Chief Engr., NJE Corp., 345 Carnegie Ave., Kenilworth, N.J. GLASSMEYER, JAMES M. (S'57-M'59), Capt., USAF, MIT, Graduate House, Cambridge 39, Mass. GLASSPOOL, WILLIAM T. G. (M'55), Project Engr., Stoddart Aircraft Radio Co., 6644 Santa Monica Blvd., Los Angeles. Calif.
- Los Angeles, Calif.
- GLATT, BENJAMIN (A'54), Electronics Engr., U. S. Naval Ordnance Test Sta., China Lake, Calif. GLATT, GERALD M. (S'51-A'52-M'57), Professional Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.
- GLAUBACH, NAUM (S'54-A'55), Encargado Tecnico Pro-fesional, Ministerio de Communicaciones, Direccion Genl. de Tecnica, Sarmiento 151-F piso, Buenos Aires, Argentina.
- GLAUBER, JOHN J. (4'27-5M'45), Chief Project Engr., United Electronics Co., 42 Spring St., Newark 4, N. J. GLAUBER MAN, LIONEL (5'52-4'54-M'58), Div. Mgr., Assembly Prods., Inc., Wilson Mills Rd., Chesterland, Ohio.
- Unio.

 CLAUBERMAN, M. H. (A'53-M'58), Mgr., Systems
 Engry. Lab., Computer Prods. Div., Lab. for Electronics,
 Inc., 75 Pitts St., Boston, Mass.

 GLAVIANO, CHARLES R. (M'57), Chief, Programs Office,
 Directorate of Communications, Rome Air Development Center,
 Giffiss AFB, N. V.
- GLAZE, EUGENE W. (M'56), Components Engr., Sandia Corp., Sandia Base, Albuquerque, N.M. GLAZE, GRADY O. (M'48), Electronics Project Engr., Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles 7, Calif.
- GLAZE, RALPH H. (A'52), Mgr., Elec. Production, Hughey & Phillips, Inc., 3200 San Fernando Rd., Burbank, Calif. GLAZER, BURTON G. (S'50-A'53-M'5B), Leader, RCA,

- CLAZER, BURTUN G. G. SOFA SOFM SD, LEASER, N.SA, CAMDEN, N.J.

 CLAZER, CARL R. (M'53), Chief Engr., Solid State Specialties, Box 25701, West Los Angeles 25, Calif.

 GLAZER, ELI (S'56-M'58), Elec. Engr., ITT Labs., Nutley 10, N.J.

 GLEASON, C. HERBERT (SM'56), Sect. Mgr., Westinghouse Elec. Corp., Elmira, N.Y.

 GLEASON, CURTIS A. (S'53-A'55), Elec. Engr., Lenkurt Electric Co., 1105 Old County Rd., San Carlos, Calif.

 GLEASON, DONALD H. (A'54), Chief, Magnetics Div. Airtronics, Inc., 5522 Dorsey Lane, Washington 16, D.C.

 GLEASON, HAROLD H. (A'25-M'32-SM'43), Mgr., Theatre & Industrial Div. Prod., Administration, RCA, Camden, N.J.

 GLEASON, JAY L. (S'47-A'48-M'55), 1101 Ocean Dr.,

- & Industrial Div. Prod. Administration, RCA, Camden, N.J. CLEASON, JAY L. (S'47-A'48-M'55), 1101 Ocean Dr., Oxnard, Calif. (S'47-A'48-M'55), Quality Control Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y. GLEASON, MICHAEL J. (4'47-M'56), Electronics Engr., Pacific Missile Range, Point Mugu, Calif. CLEASON, RAYMOND F. (A'48-M'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C. GLEASON, ROBERT J. (A'36-M'39-SN-433), V.P. & Dir., Aerona-tical Radio, Inc., 1700 K St., N.W., Washington 6, D.C.
- GLEDHILL, ARNOLD P. (A'49-M'54), Sr. Electronics Designer, Sperry Gyroscope Co., Marine Div., Syosset, L.I., N.Y.
- N.Y.

 GLEERUP, RICHARD E. (S'56-M'57), Design Engr., Airborn Systems Dept., RCA, Camden, N.J.

 GLEESON, EDWARD J. (M'59), Elec. Engr., Bendix Aviation Corp., York, Pa.

 GLEGHORN, GEORGE J., JR. (S'48-A'49-M'55), Mem.
 Tech. Staff, Space Technology Labs., Box 95001, Los
 Angeles 45, Calif.
- GLEICHAUF, PAUL H. (SM'59), Physicist, GE Co., Syracuse, N.Y.

- side Ave., Woodside //, L.I., N.Y.
 GLEIMER, LEON (S'47-A'49-M'55), Sr. Engr., W. L.
 Maxson Corp., 460 W. 34 St., New York 1, N.Y.
 GLEISSNER, BERNARD F. (A'57), Broadcast Engr., KCMO
 Broadcasting Co., 125 E. 31 St., Kansas City, Mo.
 GLEITER, WERNER C. (M'49), Sect. Head, USW Div.,
 AEEL, Naval Air Development Center, Johnsville, Pa.
- CLEITMAN, JOSEPH D. (M'58), Design Engr., RCA, Camden 2, N.J.

 GLEN, RICHARD C. (A'5B), 1307 Park Circle, Tampa 4,
- Fla.

 GLENDINNING , BRUCE W. (A'55) , Inspector of Govt.

 Contracts , Dept. Natl. Defence , E., E. & E. Branch
 Inspection Services , Belleville , Ont. , Canada.

 GLENDINNING , WILLIAM B. (S'50-A'52-M'57) , Electronics

 Engr. , Evans Signal Lab. , Belmar , N J.

 GLENDON , ROBERT E . (M'55) , Administrative Engr. ,

 Missiles Electronics & Controls Dept. , RCA , Burlington ,

 Mass.

- Mass. GLENN, ALVIN B. (A'43-SM'46), Advanced Dev. Aviation Electronics, RCA, Camden, N.J. GLENN, ARTHUR J. (S'49-A'50-M'55), Capt., USAF, Electronics Engr. & Piot, HQUSAFE, DC S/Intelligence (EPC), APO 633, New York, N.Y.

- Electronics Engr. & Pilot, HQUSAFE, DCS/Intelligence (EPC), APO 633, New York, N.Y.

 GLENN, HORACE L. (A'56), Engr., Western Electric Co., Winston-Salem, N.C.

 GLENN, LEO, JR. (A'54), Capt., USAF, Chief-F-102
 Branch, Holloman AFB, N.M.

 GLENN, LOCKE E. (M'56), Pres., Baker Audio Associates, Inc., 1140 Peachtree St., N.E. Atlanta 9, Ga.; Pres., WGKA AM & FM, Atlanta; V.P., Long Engrg. Co., 961

 Burke St., Winston-Salem, N.C.

 CLENN, RANDOLPH D. (S'55-M'57), Systems Design Engr., Chance-Vought Aircraft, Box 5907, Dallas, Tex.

 GLENN, RICHARD (A'58), 1307 Park Circle, Tampa 4, Fla.

 GLENN, RICHARD (A'58), 1307 Park Circle, Tampa 4, Fla.

 GLENN, WILLIAM L., JR. (S'56-M'58), Operations Mgr., Pan American World Airways, Patrick AFB, Fla.

 GLENNAN, THOMAS K., JR. (S'57-M'58), 519 Pleasant St., Belmont, Mass., S.

 GLENNON, RICHARD E. (S'54-M'59), Electronics Engr., Naval Ordnance Test Sta., China Lake, Callf.

- GLENTZER, KENNETH V. (SM'48), Radio & Special Service Engr., Illinois Bell Tel. Co., 208 W. Washing-ton St., Chicago 6, III.
- ton 51., Chicago 6, III.
 CLESNES, RONALD W. (S'54-A'55), Planning Engr.,
 Western Electric Co., 220 Church St., New York 13, N.Y.
 GLESSNER, JACK M. (A'30-M'46), Instr. in Electronics,
 Oakland Public Schools & Consulting Engr., Home: 3921
 Enos Ave., Oakland 19, Calif.
- CLEWWE, CARL W. (S'48-4'52-M'57), Staff Engr., Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul , Minne. GLICK, A. DEAN (M'56), Research Supvr., Aeronautical Div., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn.

- Div., Minneapolis-Honeywell Regulator Co., 2600
 Ridgway Rd., Minneapolis 13, Minn.
 GLICK, ALVIN L. (M'57), Engr., Raytheon Mfg. Co.,
 Waltham 54, Mass.
 GLICK, CARL L. (S'48-A'50-M'54), Mgr., Market
 Hardware Co., 245 Market St., Newark 5, N. J.
 GLICK, HAROLD (S'49-A'52-M'57), Project Engr., Westem Union Telegraph Co., 60 Hudson St., New York 13, N. Y.
 GLICK, HERMAN (M'59), Elec. Engr., Airbome Instrument
 Lab., Mineola, L.I., N. Y.
 GLICKMAN, HERBERT (S'57-M'59), Avionics Engr.,
 Grumman Aircraft Engrg. Corp., Bethpage, L.I., Ji, Y.
 GLICKMAN, MANNES N. (SM'55), Pres., Hermetic Seal
 Corp., 29 S. 6 St., Newark 7, N. J.
 GLICKMAN, MELVIN (S'53-A'55), Sr. Dev. Engr., Control
 Instrument Co., Inc., 67 35 St., Brooklyn 32, N. Y.
 GLICKMAN, VICTOR (S'52-A'54-M'54), Electronics
 Engr., 11 Marie Rd., Fords, N. J.
 GLICKSTEIN, JOSEPH (S'51-A'52), Assoc. Prof., Chemistry Deot., Adelphi College, Garden City, L.I., N. Y.
 GLIDEWELL, JOHN J. NR. (S'48-A'50-M'55), Electronics
 Engr., Wright Air Development Center, Wright-Patterson
 AFB, Ohio.
- GLIEVER, JOHN H. (S'58-M'59), Elec. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. GLIMN, ARNO F. (M'59), Mgr., Systems Evaluation & Specifications, Computer Dept., GE Co., 1103 N. Central Ave., Phoenix, Ariz.
- CLINSKI, GEORGE (4'42-M'45-SM'53), Prof., Elec. Engra., Univ. of Ottawa, Ottawa 2, Ont., Canada. GLIST, SEYMOUR (S'51-A'54-M'59), Sr. Dev. Engr., Norden Labs., 123 Westmoreland Ave., White Plains,
- GLIXON, HARRY R. (A'55), Pres., Consolidated Avionics Corp., 800 Shames Dr., Westbury, L.I., N.Y. GLOATES, ELI (A'56), Electronics Engr., RCA, Camden 2,

- N.J.

 GLOBE, SAMUEL (S'46-A'47-SM'55), Assoc. Chief, Physics Sect., Research & Advanced Dev. Div., AVCO Mfg. Corp., Wilmington, Mass.

 GLOBLS, LAWRENCE A. (S'55-M'56), Elec. Engr., Raytheon Mfg. Co., Bedford, Mass.

 GLOPELTER, WILLARD K. (M'58), Supvr., Maint. & Instrumentation, Avco Mfg. Corp., Lawrence, Mass.

 CLOMB, WALTER L. (S'46-A'49-M'55), Sr. Project Engr., ITT Labs., Nutley 10, N.J.

 GLOOR, BRUNO R. (A'47-M'58), Chief, Test Deat., Mercury Arc Pool Rectifiers, Asst. Chief Engr., 1TS Deat., Oerlikon Engrg. Co., Affolternst., 50, Zurich, Switzerland. GLOOR, BYRON T. (A'57), Engr., Polytechnic Research & Dev. Corp., 202 Tillary St., Brooklyn, N.Y.

 GLOOR, RICHARD D. (S'50-A'52-M'57), Mem. Tech. Staff, Space Technology Labs., Inc., 79, Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.

- Angeles 45, Calif.

 GLORE, JAMES P. (A'51-M'58), Electronics Engr., Univ. of California, Box 1663, Los Alamos, N.M.

 GLORIOSO, ANTHONY R. (S'50-A'51-M'57), Electronic Scientist, Naval Research Lab., Washington 25, D. C.

 GLOVER, A. J. G. (A'32-M'55), Box 2147 T, GPO, Melbourne, Australia.

 GLOVER, ALAN M. (A'39-SM'46-F'56), V.P. & Genl. N.J.

 Mgr., RCA Semiconductor & Materials Div., Somerville, N.J.
- GLOVER, CLARENCE C. (M'57), Engr., Westinghouse Elec. Corp., Baltimore 3, Md. GLOVER, DAVID (M'59), Tech. Engr., GE Co., Cincinnati
- 15, Onio.
 GLOVER, EDWARD B. (M'58), Asst. Project Engr., Radiation, Inc., Melbourne, Fla.
 GLOVER, FRANCIS N. (S'53-M'56), Asst. Dir., Manila
 Observatory, Baguio City, Philipoines.
 GLOVER, KARL H. (S'57-M'59), Electronics Engr.,
 Ogden Air Material Area, Hill AF B, Utah.

- Uggen Air Material Area, Hill AFB, Utah.
 GLOVER, LAVERNE L. (S'56-M'58), Jr. Engr., Bendix
 Aviation Corp., Kansas City 9, Mo.
 GLOVER, MERVIN H. (S'56-M'58), Field Engr., Hughes
 Aircraft Co., Culver City, Calif.
 GLOVER, WILLIAM E. (A'59), 3310 Center Dr., Cleveland
 15, Ohio.
- GLOWA, DANIELS. (M'57), 1st Lt., USAF, Project Engr., Navigation Computer, Weapon Guidance Lab., Wright-Patterson Development Center, Wright-Patterson AFB, Ohio.
- GLOWACKI, WALTER V., JR. (S'52-A'53-M'55-SM'59), Engrg. Group Supvr., Hallamore Electronics Co., 714 N. Brookhurst St., Anaheim, Calif.
- Brookhurst St., Anahieim, Calif.

 GLOWALLA, JOHN (S'4B-A'5D-M'55), Sr. Research Engr.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.

 GLOZER, ADOLPH, JR. (A'40), Engr., Rauland-Borg Corp.,
 3515 W. Addison, Chicago, Ill.

 GLUCK, FREDERICK (SM'55), Dir., Engrg., The Astatic
 Corp., Harbor & Jackson Sts., Conneaut, Ohio.

 GLUCK, JEROME E. (M'58), Head, Research Electronic
 Fabrication, Lockheed Missile & Space Div., Box 504,
 Sunnyvale, Calif.

- Sunnyvale, Cailf.

 GLUCK, JULIUS (S'52-A'53-M'58), Sr. Engr., Teleregister Co.. 445 Fairfield Ave., Stamford, Conn.

 GLUCK, LELAND D. (A'54-M'58), Sales Engr., Wallace-Gluck Co., 2679 Freewood, Dallas 20, Tex.

 GLUCK, SIMON E. (A'49-M'55), Dev. Engr., Burroughs Corp., Research Center, Paoli, pa.

 GLUCKSMAN, ROBERT M. (SM'56), Sect. Head, Aircraft Armaments, Inc., Cockeysville, Md.

 GLUCKSMANN, ADOLFO (A'38), Tech. Dir., Emerson Radio, Samiento 2149, Buenos Aires, Argentina.

 GLUCKLER, EDWARD J. (S'47-A'48-M'55), Staff Mem., Geni. Precision Lab., Inc., Pleasantville, N.Y.

 GLUM, DONALD E. (A'53), Sr. Engr., Aerojet-Geni. Corp., Sacramento, Calif.

- GLUSHKO, WASIL (A'55), Capt., USAF, Electronics Engr., Air Technical Intelligence Center, Wright-Patterson AF8, Ohio.
- Ohio.

 GLUTH, NORMAN P. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 GLUYAS, THOMAS M., JR. (M'41-SM'43), Engrg. Mgr., Airborne Systems Dept., RCA, Camden, N.J.

 GLYNN, JAMES J. (A'51-M'57), Chief, Antenna Sect., Communications Div., Pickard & Burns, Inc., 240 Highland Ave., Needham 94, Mass.
- GLYNN, LEON A. (M'58), Project Engr., Collins Radio Co., Cedar Rapids, Jowa.
- Co., Cedar Rapids, lowa.
 GLYPTIS, NICHOLAS (A'42), Pres., Research Dir., MultiTron Lab., 9861 Derby Lane, Westchester, III.
 GMEINER, GERALD T. (S'58-M'59), Design Engr., CutlerHammer, Inc., 315 N. 12 St., Milwaukee 3, Wis.
 GMEINER, PAUL (M'56), Staff Engr., I8M, Rochester,
 Minn.

- Minn.
 GNACEK, WALTER J. (S'50-A'51-M'56), Engr., System
 Design & Evaluation, GE Co., Pittsfield, Mass.
 GNANALINGAM, SUNTHARALINGAM (M'54), Lecturer, Elec.
 Engrs., Univ. of Ceylon, Colombo, Ceylon.
 GNAU, DONALD V. (A'51-M'58), Principal Physicist,
 Cornell Aeronautical Lab., 1124 N. Highland St.,
 Clarendon 1, Va.
- Claremoon 1, va. GNESES, MORRIS I. (S'51-A'53-M'58), Sr. Engr., Fair-child Engine & Airplane Corp., Wyandanch, L.I., N.Y. GOAD, ROBERT J. (S'54-M'57), Control Dept., Space Technology Labs., Box 95001, Airport Sta., Los Angeles 45, Calif.

- 45, Calif.
 GOARD, RONALD W. (A'56), Field Engr., Tektronix,
 Inc., 8ωx 831, Portland, Ore.
 GOATCHER, HOMER Z. (A'54), Owner, Sand Springs Radio
 Clinic, 15 W. 2nd, Sand Springs, Okla.
 GOATLEY, COLEMAN (A'55), Asst. to Chief Engr., Melpar,
 Inc., 3000 Arlington Blvd., Falls Church, Va.
 GO8AT, ANDRER. (SM'58), Assoc. Lab. Dir., ITT Labs.,
 Nutley 10, N.J.
- Nutley 10, N.J.

 GOBEIL, CHARLES E. (A'55-M'58), Methods Engr., ITT
 Electronics Service Co. of Canada, Ltd., 5798 Ferrier St.,
 Town of Mount Royal, P.Q., Canada.

 GOBEL, LED J. (A'57), Communications Systems Engr.,
 Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
- Philoc Copp., 22 St. & Lenign Ave., Philadelphia 32, Pa.

 GOBLE, ADDISON S., III (S'50-A'51-M'56), Prod. Pfanning
 Engr., 18M, Poughkeepsie, N. Y.

 GOBLE, RALPH W. (A'44), V. P. & Chief Engr., Elm
 Research Labs., Inc., 1627 Broadway, Boulder, Colo.

 GOCLOWSKI, CHARLES F. (S'53-M'57), Experimental
 Test Engr., Pratt & Whitney Aircraft, Maiff St., East
 Hartford, Conn.

- Hartford, Conn.

 GODA, OSAMU S. (A'54), Electronics Engr., Collins Radlo
 Co., 2700 W. Olive Ave., Burbank, Calif.

 GODAWSKI, THEODORE J. (A'54), Engr., Zenith Radio
 Corp., 6001 W. Dickens Ave., Chicago 39, Ill.

 GODBEY, JOE J. (S'40-A'44-M'55), Elec. Engr., Atlantic
 Refining Co., Geophysical Labs., 80x 2819, Dallas, Tex.

 GODBEY, JOHN K. (S'43-A'48-M'49-SM'53), Sr. Research Technologist, Magnolia Petroleum Co., 80x 900,
 Dallas 21, Tex.
- Dallas 21, 1ex.

 GODBEY, WILLIAM C. (A'56), Electronics Engr., Eclipse
 Ploneer Div., Bendix Aviation Corp., Teterboro, N.J.

 GODBOLD, BRIAN C. (M'46), Nuclear Health & Safety Dept.,
 Central Electricity Generating Board, Bankside House.,
 Sumner St., London S.E. 1, England.
- Summer St., London S.E. 1, England.
 GODDARD, ALFRED A., JR. (S'51-A'55), Partner, HiAltitude instrument Co., 2355 Ames St. Denver 14, Colo.
 GODDARD, CHARLES T. (SM'46), Sub-Dept. Head, Bell
 Tel. Labs., 1600 Osgood St., North Andover, Mass.
 GODDARD, DEWITT R. (A'31-SM'46), Sr. Research &
 Dev. Engr., RCA, Riverhead, L.I., N.Y.
- GODDARD, EARL G. (S'40-A'41-M'47-SM'53), Sr. Research Engr., Stanford Research Institute, Menlo Park, Calif.
- rark , Calif .

 GODDARD, WILLIAM A . (A'52-M'57), Dev. Engr., IBM Research Lab., Monterey & Cottle Rds., San Jose, Calif .

 GODDARD, WINFRED R., JR. (M'47), Head, Engrg. Dept., U.S. Naval Training Devices Center Regional Office, San Diego 52, Calif .
- Diego 52, Cair.

 GODEFROY, ANDRE F. (M'59), Elec. Engr., Remington Rand
 Univac, Wilson Ave., South Norwalk, Conn.

 GODFREY, BRUCE L., JR. (A'56), Fleld Service Engr.,
 Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd.,
 Minneapolis 13, Minn.
- Minneapolis 1.3, Minn.
 GODFREY, EDWARD R. (SM'55), Staff Subcontract Coordinator, Raytheon Mig. Co., Wayland, Mass.
 GODFREY, GERALD F. (A'53), Mgr., Electronic Component & Equipment Dept., The Hoover Co., Ltd., Gage Ave. & Barton St., Hamilton, Ont., Canada.
- GODFREY, PHILIP (M'56), Engr., ITT Labs., Nutley 10,
- N.J.

 GODFREY, RALPH M. (S'48-A'49-M'55), Elec. Design
 Engr., Howe-Baker Engrs., Inc., 8ox 956, Tyler, Tex.

 GODFREY, SYDNEY S. (A'56), Deputy Contract Mgr., The
 Enfield Cable Co., Victoria House, Southampton Row,
 London, England.

- London, England.

 GODFREY, WILLIAM C. (M'56), Contracts Coordinator, Convair, San Diego 12, Calif.

 GODFREY, XELIS W. (M'56), Engr., Sacramento Signal Depot, Sacramento, Calif.

 GODLEWSKI, VICTOR J. (A'53), Instrumentation Engr., The Martin Co., Orlando, Fla.

 GODLEY, PAUL F. (A'14-VA'39KL), Consulting Engr., Paul Godley Co., Sr. Partner, 8ox "J. "Upper Montclair, N.J., Offices & Labs., Great Notch, N.J., Offices & Labs., Great Notch, N.J., GODLEY, PAUL F., JR. (A'43-M'55), Consulting Radio Engr., Paul Godley Co., Box "J." Upper Montclair, N.J., GODLEY, WILLIAM P. (S'48-A'51), Sr. Design Engr., Minneapolis-Honeywell Regulator Co., Wayne & Windrim Aves., Philadelphia 44, Pa.
- Aves., Philadelphia 44, Pa.

 GODDFSKY, MARTIN (5'48-A'50-M'55), Design & Dev.
 Electronics Engr., Emerson Radio & Phonograph Corp.,
 14 & Coles Sts., Jersey City, N. J.

 GODSEY, WILLIAM J. (M'53), Principal Engr., Emerson
 Research Labs., 1140 East-West Hwy., Silver Spring, Md.
 GODWIN, CHARLES J., JR. (S'49-A'50-M'57), Program
 Mgr., GE Co., Utica, N.Y.

- GODWIN, CURTIS 8. (M'58), Maj., USAF, Chief, Missile Countermeasures Div., AFMDC, Holloman AF8, N.M. GODWIN, PATRICK F., JR. (S'56-M'59), 1853 Bellevue Ave., Syracuse 4, N.Y.
- Ave., Syracuse 4, N.Y.
 GODWIN, ROBERT G. (M '59), Publications Engr., Sperry
 Gyroscope Co., Garden City, L.I., N.Y.
 GOEBEL, EUGENE S. (M '44), V.P., Motorola Communications & Electronics, Inc., 4501 Augusta Blvd., Chicago
 51, III.
- GOEBEL, ROBERT J. (S'48-A'51-M'56), Project Engr., Central Research Lab., Daystrom,-Weston Divs., 614 Frelinghuysen Ave., Newark 12, N.J.

- Central Research Lab., Daystrom,-Weston Divs., 614
 Frelinghuysen Ave., Newark 12, N.J.

 GOEBELER, WILLIAM H., JR. (M'57), Sr. Elec. Engr.,
 Arma Div., Garden City, L.I., N.Y.

 GOEDEKE, RICHARD C. (S'54-M'56), Asst. Engr., Armour
 Research Foundation, 10 W. 35 St., Chicago 16, III.

 GOELLER, LEO F., JR. (A'47-M'55), Mem. Tech. Staff,
 8ell Tel. Labs., Whippany, N.J.

 GOEN, QUENTINE, F. (A'54-SM'55), CWO, 953524E,
 Tuslog, Det. 3, APO 324, New York, N.Y.

 GOERKE, VERNON H. (M'49), Project Leader, HF, VHF
 Systems Research, Natl. Bureau of Standards, Boulder, Coto.

 GOERTZ, RAYMOND C. (A'43-M'55), Dir., Remote Control
 Engra, Div., Argonne Natl. Lab., Box 299, Lemont, III.

 GOERTZEN, JONN (S'57-A'58), R.R. 4, St. Catharines,
 Ont., Canada.

 GOESER, JOSEPH N. (A'46-SM'58), Sr. Engr., Melpar,
 Inc., 3000 Arlington Blvd., Falls Church, Va.

 GOETTER, WILLIAM F. (A'41-M'55), Consulting Engr.,
 GE Co., Syracuse, N.Y.

 GOETZ, HEINZ E. J. (M'59), 88 Brunswick Ave., Kitchener,

- GOETZ, HEINZ E.J. (M'59), 88 Brunswick Ave., Kitchener, Ont., Canada
- Ont., Canada. GOETZ, HERBERT (S'52-A'53-M'57), Engr., Olympic Radio & Television, 34-01 38 Ave., Long Island City, 1, N.Y.
- GOETZ, JOHN A., JR. (A'49-M'55), Head, Tech. Planning Staff; Adv. Systems Research, Military Prod. Dlv., I8M, Oswego, N.Y.
- IOM., USwego, N.Y.
 GOETZ, JOHN L. (A'49-M'55-SM'56), Group Head, Research & Dev., Collins Radio Co., Cedar Rapids, Iowa.
 GOETZ, LOUIS P. (M'46-SM'52), Sr. Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, 8
- GOETZ, OTTO E. (A'51), Control Room Engr., 8iscayne Television Corp., 8ox M, Little River Sta., Miami 38,
- COETZE, ALFRED J. (A'52-M'57), Asst. Prof., North Carolina State College, Elec. Engrg. Dept., Raleigh, N.C. GOETZL, MANLIO (A'47-M'47), Pres. & Chief Engr., Columbus Electronics Corp., 1010 Saw Mill River Rd., Yonkers, N.Y.
- GOFF, HOMER 8. (S'57-M'58), U. S. Army Ordnance Guided Missile School, Redstone Arsenal, Huntsville, Ala.
- Ala.

 GOFF, HUGH C. (M'5B), Guidance Engr., GE Co., Defense Systems Dept., Box 4247, Patrick AFB, Fla.

 GOFF, JIMMIE D. (S'53-M'5B), Dev. & Production Engr., Western Electric Co., 2500 Broening Hwy., Baltimore 24, GOFF, KENNETH W. (S'50-A'55), Group Chief, Research Div., Leeds & Northrup Co., 4901 Stenton Ave., Philiadelphia 44, Pa.

 GOFF, RICHARD J. (M'59), Sales Engr., Rothschild Boiler & Tank Works, Inc., Shreveport, La.

 GOFF, RICHARD J. (G'44-SM'52), Sr. Engr., Convair, Pomona, Calif.

 GOFF, DERRT I. (SM'59), Electronics Engr., JISAE.

- Pomona, Calif. GOFF, ROBERT L. (SM'59), Electronics Engr., USAF, Wright-Patterson AF8, Ohio. GOFF, RUSSELL H. (A'47-M'55), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5730 Arbor Vitae, Los Angeles 45, Calif.
- Angeles 45, Lail'.

 GOFF, WAYNE H. (M'59), Supvr., Electronics Engr., FAA,
 80x 9007, Shreveport, La.

 GOFFI, GIUSEPPE (SM'55), Ing., Specialista Radio e
 Telecomunicazioni, Apparecchiature Elettroniche Industriali Consulente Apparecchi Scientifici Sez. oustrial i Consulente Apparecchi Scientifici Sez.
 Radiologia Clinica, Ostetrica Ginecologica UniversitaTorino, 18 8is Via Veres, Torino 811, Italy.
 GOFORTH, JOHN L. (S'43-A'51-M'56), Chief Engr.,
 Key Resistor Corp., 321 W. Redondo Beach Blvd., Gardena,
 Calif.
- GOGGIN, JOHN C. (S'57-M'59), Design Engr., Ground Support & Electronic Test Equipment, Convair, Ft. Worth, Tex.
- GOGGIO, ERNEST C. (SM'55), Mor., Project Dev., The Louis Allis Co., Milwaukee 1, Wis. GOGIA, JUGAL K. (S'50-A'55), 2026 E. 107 St., Cleveland 6, Ohio.
- Cleveland 6, Ohio.

 GOGNIAT, THEODORE (M'56), Electronics Engr., Westinghouse Elec. Corp., Box 355, Pittsburgh 30, Pa.

 GOGOLINSKI, JOHN A. (A'57), Supvg. Service Engr.,

 Wastinghouse Elec. Corp., Friendship Plant, 8ox 746,

 Baltimore, Md.
- GOGOS, ALEXANDER C. (M'54), 9A Frynichou St.,
- GOKARN, GANGADHAR D. (SM'52), Engr.-in-Chg., Over-seas Communication Service, Govt. of India, Radio House, Apollo Bunder, Bombay 1, India.
- Apollo Bunder , Bombay 1 , India.
 GOLA , ARISTIDE S. (A'52), Mem. Tech. Staff, The RamoWooldridge Corp. , 5640 Arbor Vitae St. , Inglewood , Calif.
 GOLAHNY, YEHUDA (S'52-A'55), Project Engr., ITEK
 Corp. , 233 Crescent , Waltham 54 , Mass.
 GOLAY, MARCEL J. E. (SM'51), Consultant, The PerkinElmer Corp. & the Philico Corp. , 116 Ridge Rd. , Rumson,
- GOLBERT, SIMON A. (A'45-SM'58), Chief Engr., Vanguard Electronics Co., 3384 Motor Ave., Los Angeles 34, Calif. GOLD, ARCHIE (SM'58), 110 Buttonwood Lane, Riverton,
- N.J.
 GOLD, ARTHUR R. (A'52-M'58), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.
 GOLD, CHARLES H. (S'50-A'52-M'58), Electronics Research Engr., Lockheed Aircraft Corp., Burbank, Calif.
 GOLD, DANIEL (A'48-M'55), TV Instr., Natl. Schools, 4000 S. Figeuroa St., Los Angeles 37, Calif.

- GOLD, IRVING (S'51-M'57), Supvy. Engr., Hazeltine Corp., Little Neck 62, L.I., N.Y. GOLD, JEROME I. (S'48-A'50-M'55), Project Engr., Reeves Instrument Corp., Roosevelt Field, Garden City, I I M V
- L.I., N.Y.

 GOLD, MILTON (A'58), Sr. Engr., C&E, Federal Electric Corp., Paramus, N.J.

 GOLD, NATHAN (S'55-M'56), 1st Lt., USAF, 6972 Support Sodn., USAFSS, Ft. Mrade, Md.

 GOLD, PHILIP J. (S'52-A'55), Research Asst., Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y.

 GOLD, ROBERT D. (A'54-M'58), Research Engr., RCA Labs., Princeton, N.J.

 GOLD, THEODORE (M'52), Engrg. Sect. Head, Flight Test & Analysis, Sperry Gryoscope Co., Great Neck, L.I., N.Y.

 GOLDAN, T. J. (A'45), Assoc. Lab. Dir., ITT Labs., Nutley 10, N.J.

- Nutley 10, N.J.
 GOLDBERG, ABRAHAM A. (M'53-SM'57), Engr., CBS, 485 Madison Ave., New York 22, N.Y
 GOLDBERG, ADOLPH S. (A'51-M'56), Electronics Design Engr., RCA Service Co., 838 N. Henry St., Alexandria, Va.
- GOLDBERG, BERNARD (M'48-SM'52), Supvy. Electronics Engr., U. S. Army Signal Research & Develo;ment Lab., Ft. Monmouth, N.J.

- Monmouth, N.J.

 GOLDBERG, DANIEL L. (S'49-A'50), 224 Osborne Ter., Newark 8, N.J.

 GOLDBERG, DAVID (A'53), Sr. Mem. Tech. Staff, RCA, 225 Crescent St., Wakham, Mass.

 GOLDBERG, EDWARD (S'46-A'51-M'56), Patent Atty., Allen 8. DuMont Labs., 760 Bloomfield Ave., Clifton, N.J.

 GOLDBERG, ERNEST (S'49-A'50-M'58), Research Engr., James Forrestal Research Center, Princeton Univ., Princeton, N.J.

 GOLDBERG, GODDON A. (SEZ. MEG).

- Convair-Astronautics, San Diego, Calif.

 GOLDBERG, GORDON A. (S1'57-M'58), Flight Test Engr.,
 Convair-Astronautics, San Diego, Calif.

 GOLDBERG, HAROLD (A'38-M'44-SM'44-F'55), V.P.,
 Emerson Radio & Phono. Corp., Emerson Research Labs.,
 1140 East-West Hwy., Silver Spring, Md.

 GOLDBERG, HAROLD 8. (A'53-M'58), Microwave Engr.,
 Lab. for Electronics, 75 Pitts St., Boston 14, Mass.
 GOLDBERG, HAROLD 8. (S'55-M'59), Electronics Engr.,
 RCA Astro Electronic Prods. Div., Princeton, N.J.
 GOLDBERG, HAROLD D. (A'47), Research Scientist,
 Columbia Univ., 538 W. 120 St., New York 27, N.Y.
 GOLDBERG, HAROLD L. (A'56), Quality Control Engr.,
 Electronic Communications, Inc., Box 359, St. Petersburg,
 Fia.
 GOLDBERG, HAROLD S. (A'45-M'53), Chief Am.
- COLDBERG, HAROLD S. (A'45-M'53), Chief Dev. Engr., Consolidated Avionics Corp., 800 Shames Dr., Westbury, L.I., N.Y.
- GOLDBERG, HERBERT S. (S'49-A'51-M'56), Electronics Engr., Charleston Naval Shipyard, Naval Base, S.C. GOLDBERG, JACOB (S'50-A'50-M'56), Sr. Research Engr., Stanford Research Institute, Menio Park, Calif.
- Engr., Stanford Research Institute, Menio Park, Calif.
 GOLDBERG, JERROLD G. (S'55-M'58), Computer Engr.,
 McDonnell Aircraft Co., Lambert Field, St. Louis, Mo.
 GOLDBERG, JOE J. (M'58), Electronics Engr., Collins
 Radio Co., Burbank, Calif.
 GOLDBERG, JULIUS (S'56-M'57), Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.
 GOLDBERG, MARTIN L. (A'56), Tech. Writer & Editor,
 RCA, Camden 2, N.J.

- GOLDBERG, MAX 8. (A'54), Assoc. Engr., IBM, Kingston,
- N.Y.
 GOLDBERG, MILTON I. (A'47), Research Scientist,
 Columbia Univ., 538 W. 120 St., New York 27, N.Y.
 GOLDBERG, OSCAR D. (A'53-SM'57), V.P., 8ay State
 Electronics Corp., 25 Prospect Pl., West Newton 65,
 Mass.
- Mass.
 GOLDBERG, PAUL 8. (M'59), Assoc. Engr., American
 Bosch Arma Corp., Garden City, L.I., N.Y.
 GOLDBERG, PHILIP A. (A'51-M'57), Head, Geo-Astrophysics Lab., Boeing Scientific Research Labs., 8ox
 3707, Seattle, Wash.
- 3/U/, Seattle, Wash.
 GOLDBERG, RALPH (S'53-A'55), 35 rue Prevost-Martin,
 Geneva, Switzerland.
 GOLDBERG, RICHARD J. (S'48-A'49-M'55), Elec. Engr.,
 Washington Electric Co., Inc., 14 Astor Pl., New York 3,
 N.Y.
- N.Y.
 GOLDBERG, ROBERT M. (S'58-M'58), Airborne Instrument
 Labs., Mineola, L.I., N.Y.
 GOLDBERG, SEYMOUR (M'52), In Chg., Tube Research &
 Dev., Edgerton, Germeshausen & Grier, 160 Brookline Ave.,
 Boston, Mass.

- Boston, Mass.

 GOLDBERG, SOL R. (A'53-M'56), Sr. Systems Engr.,
 Federal Electric Corp., Paramus, N.J.

 GOLDBERG, SOLOMON H. (S'54-M'57), Research Asst.,
 MIT, Cambridge, 39, Mass.

 GOLDBERG, WILLIAM L. (S'57-A'59), Computer Tester,
 Lab, for Electronics, 1079 Commonwealth Ave., Boston, Mass.

 GOLDBERG, WILLIAM P. (M'46), Tech. Dir., Avco Mfg.

 Corp., Radar Div., Electronic Research Lab., 750 Commonwealth Ave., Boston 73, Mass.
- GOLDBERGER, NICOLAS (A'49), Genl. Mgr., F Tecnica Aurora, S. A., Rua Timbiras 257, Sac Paulo, Brazil.

- Paulo, Brazil.

 GOLDBERGER, RENE (A'53-M'58), Field Engr., Raytheon
 Mfg. Co., Waltham 54, Mass.

 GOLDEN, DANIEL (M'57), Chief Engr., Magnetica Research
 Co., 255 Grove St., White Plains, N.Y.

 GOLDEN, DONALD (S'53-M'56), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 GOLDEN, HARVEY (S'56-M'57), Electronics Design Engr.,
 Chrysler Corp., Box 857, RedStone Arsenal, Ala.

 GOLDEN, HENRY (A'50), Chief Engr., Federated Radio &
 Television Co., 513 Roopers Ave., Teacher, Brooklyn Ave.,
 Technical High School, DeDalb & Ft. Greene Aves.,
- Brooklyn, N.Y.

 GOLDEN, PHILIP M. (M¹58), TV Broadcast Technician,
 London Free Press Printing Co., Richmond St., London,
 Ont., Canada.
- GOLDEN, ROBERT J. (S'56-M'58), Elec. Engr., ITT Labs., Nutley 10, N.J.

GOLDEN, ROBERT K. (M¹52), Data Processing Systems, Special Engrg. Prods. Div., IBM, Poughkeepsie, N.Y. GOLDEN, THOMAS S., JR. (A¹54-5M¹56), Project Engr., Melpar, inc., 3000 Arlington Blvd., Falls Church, Va. GOLDEN, WILLIAM H. (S¹56-M¹5B), Assoc. Engr., Westinghouse Elec. Corp., Baltimore, Md. GOLDENBERG, HENRY E. (J¹23-A¹26-M¹47), Engr., KMBC Broadcasting Co., 11 & Central St., Kansas City 5, Mo.

COLDENBERG, HERMAN B. (SM'56), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.
GOLDENSTERN, GERALD (A'52-M'55-SM'57), Engrg., Mgr., Radar Sect., Hoffman Electronic Corp., Lab. Div., 3761 S. Hill St. Los Angeles 7, Calif.

3761 S. Hill St. Los Angeles 7, Calif.
GOLDENTHAL, SUMNER (S'42-4'46-M'55), Physician,
Radiologist, 357 Wiltiney Ave., New Haven, Conn.
GOLDER, ROBERT L. (A'5B), c/o James Cobain, 1110
Joliet St., West Chicago, III.
GOLDEY, JAMES M. (M'55), Mem. Tech. Staff, Bell Tel.
Labs., Murray Hill, N. J.
GOLDFARB, ARNIE T. (S'33-M'57), Project Engr., Eclipse
Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
GOLDFARB, BENJAMIN J. (A'47-SM'52), Fellow Engr.,
Air Arm Div., Westinghouse Elec. Corp., Friendship
Internati. Airport, Baltimore, Md.
GOLDFARB, ELI M. (S'50-A'53-SM'5R), S., Project Engr.

GOLDFARB, ELI M. (S'50-A'53-SM'5B), Sr. Project Engr., Levinthal Electronic Prods., Inc., 31BO Hanover St., Palo Alto, Calif.

GOLDFARB, JACK (A'53-M'57), V.P., Radio & Electronic Parts Corp., 3235 Prospect Ave., Cleveland 15, Ohio.

GOLDFARB, SAMUEL (S'47-A'51-M'55), Sr. Project Engr., Lehigh Engrg. Associates, 579 Scotland Rd., Orange, N.J.

GOLDFEIN, STANLEY F. (A'51-M'55), 19 W. 44 St., New York 36, N.Y.

York 36, N.Y.

GOLDFISCHER, LESTER I. (SM'56), Sr. Scientist, Genl. Precision Lab., Inc., 63 Bedford Rd., Pleasantville, N.Y.

GOLDFUS, SAM M. (A'40-SM'54), Engr.-in-Chg., Export Group, Motorola, Inc., 4545 Augusta Blvd., Chicago 49, III.

GOLDHABER, JEROME C. (M'53), Engro. Designer, Boeing Airplane Co., Box 97, Melbourne, Fla.
GOLDICH, NORMAN H. (A'57), Sr. Engr., American Electronics Labs., 121 N. 7, Philadelphia 6, Pa.
GOLDIE, HUGH J. (S'53-A'53-M'56), Asst. Communications & Testing Supvr., British Columbia Electric Co., Vancouver, B.C., Canada.

GOLDIE, STEWART P. (M'57), Dev. Engr., Electronic Communication, Inc., 1501 72 St., N., St. Petersburg, Fla.

GOLDIR, STEWART P. (M. 157), Dev. Engr., Electronic Communication, Inc. (M. 157), Dev. Engr., Electronic Communication, Inc. (M. 150), T. 28. S. (M. 18. Electronic Communication, Inc. (M. 150), Sect. Chief, Special Projects Sect., U. S. Army Signal Missile Support Agency, White Sands Missile Range, N. M.
GOLDIN, SIDNEY M. (S. 155-M-156), Design Elec. Engr., Bell Tel. Labs., Whippany, N. J.
GOLDING, EDWIN I. (M'5B), Capt., USAF, Home: 4402
Ellsworth Pl., Riverridge Estates, Washington 21, D.C.
GOLDING, JACK (A'55), Pres., Golding Mfg. Co., 52 Elm St., Newark S, N. J.
GOLDING, LAWRENCE N. (M'56), Principal Engr., Martin Co., Box 179, Denver, Colo.
GOLDING, LEONARD S. (S'56-M'5B), 161-29 Jewel Ave., Flushing 65, L. I., N. Y.
GOLDING, ROBERT M. (A'2B), Communication Technician, 3925 Montrose Ave., Richmond 22, Va.
GOLDMAN, ALAN L. (M'59), Design Engr., Genl. Precision Lab., Pleasardville, N. Y.
GOLDMAN, ALAN L. (M'59), Design Engr., Genl. Precision Lab., Pleasardville, N. Y.
GOLDMAN, ALAN L. (M'59), Press., Mobar Engrg., 5152 Bingham St., Philadelphia 20, Pa.
GOLDMAN, RENNARD (S'56-A'58), Audio Engr., ABC, 7 W. 66 St., New York, N. Y.
GOLDMAN, EERNARD M. (A'53-M'59), Patent Atty., Collins Radio Co., Cedar Rapids, Iowa.
GOLDMAN, ERNARD M. (A'55-M'59), Elec. Engr., Di-An Controls, Inc., 40 Leon St., Boston, Mass.
GOLDMAN, ELMER M. (A'55-M'59), Elec. Engr., Parkers
GOLDMAN, ELMER M. (A'55-M'59), Elec. Engr., Parkers
GOLDMAN, ELMER M. (A'55-M'59), Engr., Raytheon Mfg. Co., Wayland, Mass.
GOLDMAN, ELMER M. (A'55-M'57), Mgr., Systems
Technology, IBM Research Lab., Box 21B, Yorktown

GOLDMAN, ERNEST H. (A'52-SM'57), Mgr., Systems Technology. IBM Research Lab., Box 21B, Yorktown Heights, N.Y.

GOLDMAN, GLIBERT (M'5B), 1204 Fenwood Dr., Valley Stream, L.I., N.Y. GOLDMAN, HAROLD (S'53-A'54-SM'57), Sr. Scientist, Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.

GOLDMAN, HERBERT B. (\$'56-A'57), Electronics Engr.,

RCA, Camden, N.J.

GOLDMAN, HERBERT N. (A'56), Device Engr., Transitron Electronics Corp., 16B Albion St., Wakefield, Mass.

GOLDMAN, HOWARD J. (A'55), Sr. Electronics Scientist, Univ. of Chicago, 6220 S. Drexel, Chicago 37, III.

GOLDMAN, HYMAN (A'46), Dev. Engr., ITT Labs., Nutley 10, N.J.

GOLDMAN, IRWIN (M'59), Assoc. Dir., Administration, Research Labs., Sylvania Elec. Prods., Inc., Bayside 60, L.I., N.Y.

L.I., N.Y.
GOLDMAN, IRWIN I. (M'57), Project Engr., Kearfott Co.,
137B Main Ave., Clifton, N.J.
GOLDMAN, JACOB M. (M'59), Engr., American Bosch
Arma Corp., Garden City, L.I., N.Y.
GOLDMAN, LEMAN, JR. (M'52), Mgr., Systems Engrg.,
Missile & Surface Radar, RCA, Moorestown, N.J.
GOLDMAN, RICHARD G. (SM'57), Engr., GE Co., Schenetady 9, N.Y.

nectady 9, N.Y.

GOLDMAN, RICHARD L. (S'54-M'56), Engr., Philoc Corp.,
"C" & Tioga St., Philadelphia 34, Pa.

GOLDMAN, ROBERT F. (M'5B), Electronics Systems Engr.,
Lockheed Aircraft Corp., Burbank, Calif.

GOLDMAN, SAUL J. (A'57), Genl. Mgr., Reale & Goldman, Ltd., 2045 Dufferin St., Toronto 10, Ont., Canada.

GOLDMAN, SIMON (A'4B-M'55), Research Engr., RCA
Labs., 140 Lake Ave., Riverhead, L.I., N.Y.

GOLDMAN, STANFORD (A'36-M'43-SM'43-F'56), Prof., Elec. Engrg., Syracuse Univ., Syracuse 10, N.Y.
GOLDMAN, STANLEY (S'56-M'57), Mem. Tech. Staff, Hughes Research & Development Labs., Culver City, Calif.
GOLDMAN, SUMNER J. (S'50-A'54), Project Engr., Arnoux Corp., 11924 W. Washington Blvd., Culver City, Calif.

- 190 -

noux (

COLDMAN, WENSTON W. (S'57-M'5B), Elec. Engr., GOODWAN, WENSTON W. (S'57-M'5B), Elec. Engr., GOODWAN, AICE, GOODWAN, ADOLFO S. (A'58), Examining Officer, Internati. Patent Institute, Nieuwe Parklaan 97, The Hague, Holland. GOLDMANN, RUDOLF D. (A'53), Head, Television Sect., Central Lab., Phillips Co., Rua doos Amores 506, Sao Paulo, Caixa Postal 701B, Brazil.

Paulo, Caixa Postal 701B, Brazil.

GOLDMARK, PETER C. (A'36-M'3B-F'43), Pres. & Dir.,
Research, CBS Labs., High Ridge Rd., Stamford, Conn.,
Research, CBS Labs., High Ridge Rd., Stamford, Conn.,
GOLDMUNTZ, LAWRENCE A. (S'47-A'50-M'5B), Pres.,
Tech. Research Group, 2 Aerial Way, Syosset, L.I.N.Y.
GOLDSBERRY, PAUL E. (A'55), Electronics Design Engr.,
Natl. Cash Register, Main & K Sts., Dayton, Ohio.
GOLDSBOROUGH, PAUL (SM'5B), Rte. 2, Box 3304, Ft.
Pierce, Fla.
GOLDSBOROUGH, ROBERT R., JR. (M'53-SM'55), Program Mgr., Sylvania Elec. Prods., Inc., Mountain View,
Calif.

Calif.

GOLDSCHMIDT, KARL (S. '47-A'-49-M'-55), Engr., Bell Tel. Labs., '463 West St., New York 14, N.Y.

GOLDSHINE, ALAN D. (S'50-A'-51-M'-55), Sr. Elec. Engr., Hustey 10, N.J.

GOLDSHINE, KENNETH B. (S'58-M'-59), Elec. Engr., Hoffman Labs., Los Angeles 7, Calif.

GOLDSMAN, JACK L. (M'-57), Chief Engr., Filmohm Resistor Coro., 4B W. 25 St., New York 10, N.Y.

GOLDSMITH, ALAN S. (S'49-A'-50-M'-55), Engrg. Supvr., Westinghouse Elec. Coro., Metuchen, N.J.

GOLDSMITH, ALFRED N. (MECharter Mem.) (M'12-F'-15)

(L), Consulting Engr., 597 5 Ave., New York 17, N.Y.

GOLDSMITH, ARTHUR (M'-40), 205-3 Stanford Village, Stanford, Calif.

GOLDSMITH, ARTHUR (M'-40), 205-3 Stanford Village, Stanford, Calif.

Stanford, Calif.

GOLDSMITH, BERNARD M. (A'44-SM'49), Pres., Essex Electronics, Springfield Ave., Berkeley Heights, N.J.

GOLDSMITH, JOSEPH (M'45-SM'51), Design Engr., Advanced Systems, Martin Co., Orlando, Fla.

GOLDSMITH, KENNETH G. (S'54-M'56), Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

GOLDSMITH, LLOYD T. (M'5B), 4416 Arcola Ave., North Hollywood, Calif.

GULDSMITH, PAUL (S'48-A'49-M'55), Engrg. Group Supvr., Jet Propulsion Lab., California Institute of Tech-nology, 4800 Oak Grove Dr., Pasadena, Calif.

nology, 4800 Dak Grove Dr., Pasadena, Calif,
GOLDSMITH, THOMAS T., JR. (4/38-SM/46-F'49), V.P.,
Engra. & Research, Allen B. DuMont Labs., Inc., 750
Bloomfield Aver, Ciliton, N.J.,
GOLDSTEIN, A. LEONARD (S'4B-A'51-M'56), Project
Engr., Melpar, Inc., 11 Galen St., Watertown, Mass.
GOLDSTEIN, ABE (S'54-A'55), Sr. Elec. Engr., ITT
Labs., Nutley 10, N.J.
GOLDSTEIN, ALBERT D. (A'49-M'55), Project Engr.,
Bendix Aviation Co., 11600 Sherman Way, North Hollywood, Calif.

wood, Calif.

GOLDSTEIN, ALVIN (M'56), Engr., American Bosch Arma
Cop., Garden City, L.I., N.Y.

GOLDSTEIN, ARNOLD G. (A'54-M'59), Tech. Specialist,
IBM, Kingston, N.Y.

GOLDSTEIN, BENJAMIN L. (A'5B), Service Technician,
Bendix Radio Div., Baltimore, Md.

GOLDSTEIN, BENJAMIN S. (S'56-M'57), Sr. Engr.,
Sylvania Eice. Prods., Inc., Waltham, Mass.

GOLDSTEIN, DAVID S. (S'53-A'54), Elec. Engr., Edgerton Germeshausen & Grier, 160 Brookline Ave., Boston
15, Mass.

15, Mass.

GOLDSTEIN, GORDON D. (A'42-M'55), Electronics Engr., Editor, Digital Computer Newsletter, Office of Naval Research, Information Systems Branch, Washington 25, D.C.

GOLDSTEIN, HAROLD (M'59), Principal Engr., Lewyt Mfs. Comp., 43-22 Queens St., Long Island City 1, N.Y.

GOLDSTEIN, HARVEY (A'51-M'55-M'56), Sr. Engr., Allen B. DuMont Labs., 35 Market St., East Paterson, N.J.

GOLDSTEIN, IRVING (A'4B-M'55), Branch Mgr., Advanced Dev. Group, Missile Systems Div., Raytheon Mfg. Co., Waltham 54, Mass.

Waltham 54, Mass.

Waltham 54, Mass.

GOLDSTEIN, IRWN (A'53), Engr., Devenco, Inc., 150
Broadway, New York, N.Y.

GOLDSTEIN, IRWN E. (A'47-SM'52), Systems Engr.,
RCA, Camden, N.J.

GOLDSTEIN, JOSEPH D. (S'53-A'55), Engrg. Dev., Alrbome Instrument Lab., Mineola, L.I., N.Y.

GOLDSTEIN, JULIUS L. (S'56-M'5B), Elec. Engr., Polytechnic Research & Development Co., Inc., 202 Tillary
St., Brooklyn I., N.Y.

GOLDSTEIN, LADISLAS (SM'55-F'56), Prof., Elec.
Engr., Univ. of Illinois, Jrbana, III.

GOLDSTEIN, MARTIN I. (A'5B), Microwave Engr., Airtron, Inc., 200 E. Hanover Ave., Morris Plains, N.J.

GOLDSTEIN, MAXWELL K. (S'30-SM'46), Pres. & Tech.
Dir., Baloc Research Labs., 49-53 Edison Pl., Newark
2, N.J.

GOLDSTEIN, MELVIN (M'57), Design Engr., Texas Instru-

COLDSTEIN, MELVIN (M'57), Design Engr., Texas Instru-ments, Inc., 6000 Lemmon Ave., Dallas, Tex. GOLDSTEIN, MILTON (S'41-A'43-M'47), Dean, American Institute of Engrg., & Technology & Chief Engr., Engrg. Associates, 2914 Sheridan Rd., Chicago 14, III. GOLDSTEIN, MOISE H., JR. (S'49-A'52-M'56), Asst. Prof., MIT, Cambridge 39, Mass.

GOLDSTEIN, MURRAY (A'49-M'55), Chief Engr., Govt. Projects, Genl. Instrument Corp., 65 Gouveneur St., Newark, N.J.

Newark, N.J.

GOLDSTEIN, PHILIP (A'56), Sales Engr., Eastern Associates, 820 Homestead Rd., Jenkintown, Pa.

GOLDSTEIN, RAYMOND (M'57), Principal Engr., Sperry
Gyroscope Co., Phoenix, Ariz.

GOLDSTEIN, RICHARD (S'45-A'48-M'55), Secy., Treas.,
Perma Power Co., 3100 N, Elston, Chicago, III.

GOLDSTEIN, ROBERT L. (S'55-A'56), Dev. Engr., Astronautics Dept., Kearfott Co., 142 Getty Ave., Clifton, N.J.

GOLDSTEIN, ROBERT P. (A'56), Instrumentation Engr., Westinghouse Elec. Corp., Box 355, Pittsburgh 30, Pa.

GOLDSTEIN, SAMUEL (M'55), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Hawthome, Calif.

Calif.

GOLDSTEIN, SAMUEL H. (A'57), 47-16 261 St.,
Great Neck, L.I., N.Y.

GOLDSTEIN, SAMUEL J., JR. (S'47-A'49-M'55), Research Engr., Harvard College Observatory, Harvard, Mass.

GOLDSTEIN, SAMDERS (M'5B), Physicist U.S. Army
Signal Research & Development Lab., Ft. Mommouth, N.J.

GOLDSTEIN, SIEGFRIED (A'55), Sr. Electronics Engr.,
Lieco, Inc., 3610 Oceanside Rd., Oceanside, L.I., N.Y.

GOLDSTEIN, SOLE. (S'55-A'56), Electronics Technician,
Servo Corp. of America, 20-20 Jericho Tpke, Hyde Park,
L.I., N.Y.

GOLDSTICK, GERSON H. (M'57), Design Dev. Engr., Vatl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthorne, Calif.

GOLDSTINE, HALLAN E. (A'29-SM'47), Radio Research Engr., RCA, Rocky Point, L.I., N.Y.

GOLDSTONE, BERTRAM J. (5'47-A'4B-M'55), Systems Engr., RCA, Camden, N. J. GOLDSTONE, GEORGE H. (A'55), Atty.-at-Law, 1180 Natl. Bank Bldg., Detroit 26, Mich.

Nati. Bank Biog., Detroit Zo., Mich.

OLDSTONE, LENROD L. (A'53), Microwave Sect. Head,

G B Electronics, Genl. Bronze Corp., Hook Creek Blvd.,

Valley Stream, L.I., N.Y.

GOLDSTONE, LEONARD O. (M'51-5M'55), Asst. Prof.,

Elec. Engry., Polytechnic Institute of Brooklyn, 99 Livingston St., Brooklyn Z, N.Y.

GOLDSWORTHY, WALTER T. (A'53), Field Rep., Link Aviation, Inc., Hillcrest, Binghamton, N.Y. GOLDUP, THOMAS E. (SM'52-F'55), Dir., Mullard, Ltd., Mullard House, Torrington Pl., London, W.C. 1, England.

GOLDWAG, HERBERT (S'56-M'5B), 402 Capeway Ct., Fairfax, Va.

GOLDWAG, SIDNEY (S'56-M'5B), Staff Engr., Electronics Research Labs., Columbia Univ., 632 W. 125 St., New York, N.Y.

GOLEC, EDWARD J. (M'5B), Electronics Engr., Norden Div., United Aircraft Co., 5B Commerce Rd., Stamford,

Conn.

GOLEMBE, STANLEY N. (M'46), Pres., Power Sources, Inc., South Ave., Burlington, Mass.

GOLEMPAUL, CHARLES (A'49), V.P.. Aerovox Corp., Belleville Ave., New Bedford, Mass.

GOLICK, GEORGE (M'57), Project Engr., Kearfott Co., Inc., 1500 Main Ave., Clifton, N. J.

GOLICK, SIDNEY (A'54), Elec. Engr., Belock Instrument Corp., College Point, L.I., N.Y.

Corp., College Point, L.I., N.Y.

GOLIGHTLY, RICHARD T. (A'51), Statt Engr., Norair
Div., Northrop Corp., Hawthorne, Calif.

GOLL, WILBUR E. (5'51-A'52-M'57), Engrg. Sales Rep.,
Wilbur E. Goll, 10511 W. 56 Ter., Shawnee, Kan.

GOLLA, EUGENE F. (S'49-A'51-M'54-SM'57), Professional Engr., Haller, Raymond & Brown, Inc., State College, Pa.

GOLLHARDT, RONALD W. (S'5B-M'5B), Engrg. Asst.,
Wisconsin Telephone Co., 740 N. Broadway, Milwaukee
15, Wis.

GOLLHOFER, PAUL J. (A'44-M'47), Elec. Engr., Sherron Metallic Corp., 1201 Flushing Ave., Brooklyn 37, N.Y. Metallic Corp., 1201 Flushing Ave., 1, Brook, 1973, N. N. OLLUB, RAPHAEL (S'155-M'56), Project Engr., Philico Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. GOLLWITZER, LEE H. (A'50), Sr. Engr., Schlumberger Well Surveying Corp., 80x 2175, Houston, 1cx. GOLSEN, CHARLES H. (A'5B), TV Engr., WSB-TV, 1601 W. Peachtres St., N. E., Allanta, Ca. GOLTZ, ARTHUR D. (M'56), Test Equipment Design Engr., RCA, 11B19 W. Olympic Blvd., Los Angeles, Calif. GOLUBJATNIKOV, OLEG (S'52-A'53-M'55), Electronics Engr., GE Co., Syracuse, N. Y. GOLZ, HERBERT C. (A'56), Cenl., Mgr., Elgin Metalformers Corp., 630 Congdon Ave., Elgin, 1911. GOMARD, PREBEN (A'51-M'57), Genl. Mgr., Gomard Electronics, Ltd., 180 Chatham St., Hamilton, Ont., Canada.

Electronics, Ltd., IBO Chatham St., Hamilton, Ont., Canada.
GOMBERG, LOUIS (M'56), Supvr., Production Engrg., Sonotone Corp., Elmsford, N.Y.,
GOMEL, C. LEE (SM'57), Div. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.
GOMES, CHARLES N. (S'55-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
GOMEZ, ALLAN M. (M'57), Chief Engr., CKX-TV, Western Manitoba Broadcasters, Brandon, Man., Canada.
GOMEZ, PETER D. (A'54), Electronics Mechanic, U.S.
Naval Air Missile Test Center, Point Mugu, Calif.
GOMMO, FRED J. (M'50), Operations Engr., NBC, 30
Rockefeller Plaza, New York 20, N.Y.
GONCHAROFF, NIKOLAI (M'5B), Sr. Dev. Engr., Motorola, Inc., 4501 W. Augusta Bivd., Chicago 51, Ill.
GONDA, TIBOR (A'5B), Engr., IBM, Watson Lab., 612
W. 115 St., New York, N.Y.
CONEN, BENJAMIN (A'54), 600 West End Ave., New York, N.Y.
GONG, HOWARD (S'56-M'57), Electronics Engr., Electro-

New York, N. Y.

GNNC, HOWARD (S'56-M'57), Electronics Engr., ElectroObtical System, Inc., 170 N. Daisy, Pasadena, Calif.
GONRING, DONALD L. (S'57-A'5B), Engr., "B," McDonnell
Aircraft Co., St. Louis, Mo.
GONRING, JAMES F. (S'56-A'5B), 1126 Chestnut St.,
West Bend, Wis.

west Bend, Wis.

GONSETT, FAUST R. (SM'57), Genl. Mgr., Gonset Div.,
La Young Spring & Wire Co., Burbank, Calif.

GONTERMANN, ADOLF (M'56), Diplom-Physiker, Siemag,
Feinmechanische Werke, Eiserfeld, Sieg, Germany.
GONZALEZ, ABRAHAM M. (S'56-M'5B), Avenida Arenales
1870, Lima, Peru.

SONZALEZ, CAMBELL (M'57), Apolication & Dev. Engr., RCA, 415 S. 5, Harrison, N. J.

GONZALEZ, CAMBELL (M'57), Apolication & Dev. Engr., RCA, 415 S. 5, Harrison, N. J.

GONZALIZ, CARLOS M. (S'57-A'5B), Technician, Hazeltine Electronics Corp., Little Neck 62, L.1., N. Y.

GONZALEZ, ROBERT E. (M'57), Sr. Engr., Sperry Microwave Electronic Co., Box 1826, Clearwater, Fla.

GONZALEZ, VICTOR M. (S'4B-A'9-M'55), Field Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

GONZALEZ, WILLIAM (A'54), Mgr., Ordnance Contracts, RCA Service Co., B3B N. Henry St., Alexandria, Va.

GONZALEZ-CORREA, EDMUNDO (M'55), Mgr., Research Planning, Solid State Electronics, Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

- GDD, JDSEPH F. S. (S'52-A'53-M'58), Electronics Engr., U.S. Naval Shipyard, Pearl Harbor, Hawaii. GDOCH, JAY D. (S'44-A'46-S'48-A'50-M'55), Research Assoc., Control Systems Lab., Univ. of Illinols, Urbana, III.
- GOCH, MORRIS W. (S'50-A'50-M'56), Engr., Motorola, Inc., 4545 W. Augusta, Chicago 51, III.
 GODD, CHARLES A., JR. (S'49-A'51-M'55), Project Engr., Navy Dept., Bureau of Aeronautics, Washington 25, b. C.
- GDOD, DONALD C. (SM'56), Sect. Engr., Philos Corp., Western Development Labs., 3875 Fabian Way, Palo Alto, Calif.

- Calif.
 GOOD, FRANCIS R. (S'56-M'57), 305 S. Elizabeth,
 Wichita 12, Kan.
 GOOD, LEWIS F. (M'55), Owner, Good Electronic Corp.,
 Box 2406, West Palm Beach, Fla.
 GOOD, LOWELL H. (A'44-M'45), Dir., Engrg. Utilization,
 RCA, Canden, N. J.
 GOOD, CANLEY, (S'57-A/57) Sr. Lab. Technician
- GOOD, STANLEY (S'57-A'57), Sr. Lab. Technician, Loral Electronics Corp., 825 8ronx River Ave., New York 72, N.Y.
- GODD, WILLIAM E. (M'45-SM'5D), Engr., GE Co., Syracuse, N. Y.
- GOODALE, DONALD M. (S'52-A'54-M'58), Elec. Engr., Aerophysics Development Corp., Box 689, Santa Barbara,

- Calif.
 GODALE, ELMER D. (A'34-SM'46), Sr. Mem. Tech.
 Staff, RCA Labs., Princeton, N. J.
 GDDDALE, WALTER D., JR. (A'51-M'58), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N. J.
 GODDALL, WILLIAM M. (A'29-M'37-SM'43-F'51), Mem.
 Tech. Staff, Bell Tel. Labs., Red Bank, N. J.
 GODDAY, ROBERT A. (M'53-SM'56), Asst. Chief Engr.,
 Rank-Cintel, Ltd., Worsley Bridge Rd., London, S.E. 26, Fnoland.

- GOODBERLET, EDWARD F. (M'57), Chief Engr., Sta. KCFM, Boatmen's Bank Bidg., St. Louis, Mo. GDDE, HARRY H. (SM'52), Prof., Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.
- or Michigan, Ann Arbor, Mich.
 GOODE, J. PARK (S'49-A'50), Project Engr., Cincinnati
 Time Recorder Co., 1733 Central Ave., Cincinnati 14,
- GOODELL, CHARLES E. (A'54-M'55-SM'58), Head, Electronic Components Sect., Hughes Aircraft Co., Culver City, Calif.
- Calif.
 Calif.
 Calif.
 CDDDELL, EVERETT M. (S'39-A'43-M'44), Mem. Tech. Staff, Thompson-Ramo-Wooldridge, Box 90534, Airport Sta., Los Angeles 45, Calif.
 CODDELL, WESLEY A. (A'43-M'51), Chief Engr., The Lorain County Radio Crop., 203 9 St., Lorain, Ohio.
 CODDERHAM, DOUGLAS (M'58), Dir., Communications, RCAF, Natl. Defence Hors., Ottawa, Ont., Canada.
 COODFRIEND, LEWIS S. (S'47-A'48-M'55-SM'55), Partner, Lewis S. Goodfriend & Associates, 1 The Crescent, Montclair, N. J.
 COODHUE, WALTER W. (A'35-VA'39-M'55), Supvry.
 Electronics Engr., Army Signal Air Defense Engrg. Agency, Ft. Meade, Md.

- GDDDIER, GEORGE N. (A'54), Chief, ECM Branch D/813, U. S. Naval Avionics Facility, 21 & Arlington Sts., In-dianapolis 18, Ind.
- dianapolis 18, Inc.
 GODDING, DENNIS J. (S'53-M'56), Graduate Asst.,
 Missouri School of Mines, Rolla, Mo.
 GODDKIN, SIDNEY S. (S'48-A'51-M'56), Engr., Sylvania
 Elec. Prods., Inc., Ottawa, Ohio.
 GODDLING, GEORGE G. JR. (A'35-VA'39-M'55), Mgr.,

- LOUDKIN, SIDNEY S. IS-48-A-51-M-56), Engr., Sylvania Elec. Prods., Inc., Oltawa, Ohio.

 GODDLING, GEORGE G., JR. (A'35-VA'39-M'55), Mgr., York Pattern Works, Rear 352 Smyser St., York, Pa. GOODLDE, R. REAMS (A'44), Preplanner, Martin Co., Middle River, Md.

 GODMAN, ABRAHAM (SM'56), Principal Engr., Bulova Research & Dev. Labs., Inc., 62-10 Woodside Ave., Woodside 77, L. I., N. Y.

 GODDMAN, ALVIN M. (S'51-M'57), Asst. Prof., Elec. Engrg., Case Institute of Technology, 1D9DD Euclid Ave., Cleveland 6, Ohio.

 GODDMAN, AMIEL I. (M'57), Physicist, Diamond Ordnance Fuze Labs., Washington 25, D. C.

 GODDMAN, ARTHUR B. (A'58), Engr. Writer, Technical Service Corp., 900 Crain Hwy., Glen Burnle, Md.

 GODDMAN, CHRISTOPHER J. (S'54-M-956), Elec. Engr., Calgary Power Co., Ltd., 9912A 109 St., Edmonton, Alta., Canada.

- Catgary Power Co., Ltd., 9912A 109 St., Edmonton, Alta., Canada.

 GODDMAN, DANIEL H. (A'45-SM'53), Engrg. Mgr., Microwave Tube Lab., Sylvania Elec. Prods., Inc., 50D Evelyn Ave., Mountain View, Callif.

 GODDMAN, DAVID M. (A'49-SM'53), Sr. Engrg. Scientist, New York Univ., College of Engrg., Research Div., University Hgts., New York 53, N. Y.

 GODDMAN, FRANKLIN R. (S'51-A'52-M'57), Administrative Engr., Partner, SPECTRALAB Instruments, 6D8 Fig Ave., Monrovia, Calif.

 GODDMAN, GEDRGE H. (SM'54), Mgr., Modular Components Engrg., RCA, Camden, N. J.

 GODDMAN, GILBERT (S'52-A'53-M'59), Design Engrg., Kuhlman Electric Co., Box 288, Birmingham, Mich.

 GODDMAN, HAR (A'53-M'58), Pres., Cosmos Industries, Inc., 31-28 Queens Blvd., Long Island City 1, N. Y.

 GODDMAN, HAROLD A. (A'55), Owner, Circle Television Lab., 1451 Pitkin Ave., 8rooklyn, N. Y.

 GODDMAN, HAROLD C. (S'47-A'50-M'55), Equipment Sect. Head, Aeronutronic Systems, Inc., Newport Beach, Calif.

- Galif.

 GODMAN, HAROLD L. (M'54), Tube Application Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 GODMAN, HARRY (A'5D-SM'55), Systems Mgr., RCA, Camden, N.J.

 GODMAN, IRA (A'52-M'56), Sr. Staff Engr., Instruments for Industry, 1D1 New South Rd., Hicksville, L.I., N.Y.

 GODMAN, IRVING (S'52-M'58), Sr. Dev. Engr., GE

 CO., Utica, N.Y.

 GODMAN, JACK D. (M'50), Mar., Campenents Div., JFD Electronics Corp., 61D1 16 Ave., Brooklyn 4, N.Y.

 GODMAN, JAMES A. (S'57-M'59), Mem. Tech. Staff, RCA, Rocky Poing, L.I., N.Y.

 GODMAN, JAMES H. (S'52-M'57), Group Leader, Burroughs Corp., Research Center, Paoli, Pa.

 GODMAN, JESSE (S'43-A'48-M'55), Elec. Engr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.

- GDODMAN, JOSEPH J. (A'52-M'56), Project Engr., Industrial Transformer Corp., Gouldsboro, Pa.
 GDDDMAN, KENNETH (A'54-M'59), Chief Customer Engr., Helipot Div., Beckman Instruments, Inc., 25D0 Fullerton, Rd., Fullerton, Calif.
- KG., FUITERON, CAIIT.
 GOODMAN, KENNETH G. (M'58), Engr., American Bosch
 Arma Corp., Garden City, L.I., N.Y.
 GOODMAN, KYLE E. (A'52-M'57), Chief Engr., Savannah
 Broadcasting Co., WTOC-AM-FM-TV, 516 Avercom St.,
 Savannah, Ga.

- Broadcasting Co., WTOC-AM-FM-TV, 516 Avercom St., Savannah, Ga.

 GDOMAN, LEONARD D. (S'57-M'59), Jr. Elec. Engr., Emerson Radio & Phonograph Corp., 14 & Coles Sts., Jersey City 2, N.J.

 GOODMAN, LOUIS (M'51), Medical Prods. Engr., Raytheon Mfg. Co., Waltham, Mass.

 GOODMAN, PAUL H. (A'55), Contract Engr., Commercial Casting, Santa Monica Blvd., Los Angeles, Calif.

 GOODMAN, ROBERT L. (M'56), Electronics Engr., Summer's Gyroscope Co., 25 DD Broadway, Santa Monica, Calif.

 GOODMAN, ROBERT M. (S'42-A'45-SM'53), Principal Engr., Franklin Institute Research Labs., Benjamin Franklin Pkwy. at 20 St., Philadelphia 3, Pa.

 GOODMAN, ROY G. (M'55), Communications Engr., Arizona Highway Dept., 2D6 S. 17 Ave., Phoenix, Ariz.

 GOODMAN, STANLEY (S'57-M'58), Engr., Polarad Electronics Corp., 43-2D 34 St., Long Island City, N.Y.

 GODDMAN, STANLEY J. (S'45-M'55), Staff Engr., Columbia Univ. Electronic Research Labs., 632 W. 125 St., New York 27, N.Y.

 GODDMAN, STANLEY J. (S'45-M'55), Staff Engr., Columbia Univ. Electronic Research Labs., 632 W. 125 St., New York 27, N.Y.

 GODDMAN, STANLEY J. (S'55-A'54-M'55), Staff Engr., RCA Service Co., B38 N. Henry St., Alexandria, Va.

 GODDMAN, STANLEY J. S'51-A'54-M'58), Systems Engr., RCA Service Co., B38 N. Henry St., Alexandria, Va.

 GODDMAN, STANLEY W. Staff Sh., Electro Mech. Engrg., Cambell Taggaar Research Corp., 6211 Lemmon Ave., Dallas, Tex.

 GODDMOW, ARTHUR C. (A'36-VA'39), Dir., Transmitter Engrg., Westinshouse Broadcastina Co., Inc., 122 E
- Dailas, Tex.

 GODDNOW, ARTHUR C. (A'36-VA'39), Dir., Transmitter
 Engre, Westinghouse Broadcasting Co., Inc., 122 E.
 42 St., New York 17, N.Y.

 GODDRICH, HUNTER C. (A'43-SM'52), Advanced Dev.
 Engr., RCA, Camden 8, N.J.

 GDDDRICH, PHILLIP D. (M'55), Project Group Leader,
 Motorola, Inc., 271D N. Clybourn, Chicago 14, Ill.

 GDDDRICH, PHILIP E. (A'53-M'58), Staff Engr., Neely
 Enterprises, 3939 Lankershim Blvd., North Hollywood,
 Call.

 GODDRICH, RAYMOND H. (SISA-M'58)
- GOODRICH, RAYMOND H. (S'54-M'55), Col., U. S. Army, Signal Corps, U. S. Army War College, Carlisle Barracks, Pa.

- Pa.

 GDDDRICH, ROGER F. (S'56-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Tucson, Ariz.

 GDDDSON, 80B M. (A'58), Sales Engr., GE Co., Box 158, Irmo, S.C.

 GODDSTEIN, JULIAN (S'41-A'45-M'55), V.P. & Genl. Mgr., Kuman Electric Co., 191 Newel St., Brooklyn 22, GODSTEIN, LEDNARD P. (S'42-A'45-5M'54), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y. GDDDWAY, JOHN T. (A'45-M'55), Sr. Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 GODDWIN, CHARLES E. (A'47), Supvy. Elec. Inspector,

- Co., Waltham 54, Mass.

 GODWIN, CHARLES E. (A'47), Supvy. Elec. Inspector, Officer in Cho. of Construction, 8ox 35, Agana, Guam.

 GODWIN, DAVID P. (S'49-A'50-M'58), Engr., Sperry-Rand Corp., 19 & Allegheny Ave., Philadelphia 29, Pa.

 GOODWIN, FRANCIS E. (S'57-M'58), Research Physicist, Hughes Aircraft Co., Culver City, Calif.

 GODWIN, HERRY C. (A'59), Factory Rep., Raytheon Mfg. Co., Waltham 54, Mass.

 GOODWIN, JACK W. (A'53-M'59), Systems Unit Supvr., Navigation Sect., Hoffman Labs. Div., 3761 S. Hill St., Los Angeles, Calif.

 GOODWIN, JAMES P. JR. (M'55). Head Flec David.
- Los Angeles, Calif.

 GOODWIN, JAMES P., JR. (M'55), Head, Elec, Dept.,
 Southern Technical Institute, Chamblee, Ga.

 GOODWIN, PAUL S. (S'42-A'44-M'45-SM'52), Staff
 Asst., V.P., Engra, Ling Electronics, Inc., 9937

 Jefferson, Culver City, Calif.

 GOODWIN, PERRY H., JR. (M'56), Dev. Engr., Robertshaw-Fulton Controls Co., 401 N. Manchester, Anaheim,
 Calif.
- Calif.

 GODWIN, RALPH C. (M'56), Design Engr., Genl., Communication Co., 681 Beacon St., 8oston 15, Mass.

 GODWIN, RALPH O. (S'51-A'55), Group Leader, Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

 GOODWIN, ROBERT L. (S'55-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 GOODWIN, RONALD N. (M'59), Project Engr., Stewart Warner Corp. of Canada, Ltd., 349 MacDonald Ave., Bellville, Ont., Canada.

 GOODWIN, VERNON D. (A'34-Mai20 Miss.)

- GOODWIN, VERNON D. (A'34-VA'39-M'55), Head, Standards & Specifications Branch, Microwave Components Lab., Sylvania Elec. Prods., Inc., 5DD Evelyn Ave., Mountain
- View, Calif.

 GODDWIN, W. NELSON, JR. (A'15-M'29-SM'43-F'57)(L), Retired, RFD 2, Box 126, New Hope, Pa.

 GOODWIN, WILLIAM V. (SM'57), Mgr., Advanced Projects, RCA Missile & Surface Radar Div., Moorestown, N.J.
- GDODYEAR, W. FREDERICK (M'57), Supvr., Electronic Components, The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.
- Stamford, Conn.

 GODDYKOONTZ, JAMES R. (M'55-SM'57), Mem. Tech.
 Staff, Hughes Aircraft Co., Los Angeles 45, Calif.

 GDDN, RUSSELL (S'55-M'56), Dev. Engr., Consolidated
 Avionics Corp., 8DO Shames Dr., Westbury, L.I., N.Y.

 GDR, DAN (M'59), Dev. Engr., HMED, GE Co., DeWitt
 Village, N.Y.
- Village, N.Y.

 Village, N.Y.

 GODSSENS, HERMAN R. (M'58), Engrø. Writer, AC Spark
 Plug, 1925 E. Kenilworth, Milwaukee, Wis.
 GDDSTREE, FLOYD T., JR. (S'56-M'58), Assoc. Engr.,
 Lockheed Aircraft Corp., Burbank, Calif.
 GORBUNOFF, ALEX (A'35-VA'39-SM'55), Radio Engr.,
 Zenith Radio Corp., 6DD1 W. Dickens Ave., Chicago 39,
 III.

- III.
 GORCTYCKI, EDMUND (S'44-A'46-M'55), Sr. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 GORDER, LESLIE O. (A'41), Engr., 67 Royal Palm Dr.,
 Fl. Lauderdale, Fla.,
 GORDON, AARON (A'58), Chief Engr., Recording, Westminster Recording Co., 275 7 Ave., New York 1, N.Y.
 GORDON, ALBERT I. (S'56-M'58), Mem. Tech. Staff,
 Hughes Aircraft Co., Fullenton, Calif.

- GDRDDN, BERNARD M. (S'43-A'5D-M'55), Pres., Epsco, Inc., 275 Massachusetts Ave., Cambridge, Mass. GORDDN, BRUCE E. (S'56-M'57), Elec. Engr., Raytheon Mfg. Co., 608D Hollister Ave., Goleta, Calif. GORDON, CARLYLE R. (S'53-A'54), Staff Engr., IBM, Kingston, N.Y. GORDON, CHARLES W. (M'58-SM'59), Mgr., Rome Office, RCA, 104 N. George St., Rome, N.Y. GORDON, DANIEL I. (S'41-A'44-SM'54), Supvy. Elec. Engr., U.S. Naval Ordnance Lab., White Oak, Silver Spring, Md. (A'86), TV. Products A. S. CORDON, DAVID A. (A'86), TV. Products A. S. Cordon A. S. Cordon DAVID A. (A'86), TV. Products A. S. Cordon A. S. Cordon DAVID A. (A'86), TV. Products A. S. Cordon A. S. Cordon DAVID A. (A'86), TV. Products A. S. Cordon A. S. Cordon DAVID A. (A'86), TV. Products A. S. Cordon DAVID A. (A'86), TV. Products A. S. Cordon A. S.
- Spring, Md.

 GORDON, DAVID A. (A¹56), TV Broadcast Technician, A.A.

 Murphy & Sons, Ltd., CFQC-TV, 216 1st Ave., N.,

 Saskatoon, Sask., Canada.

 GORDON, DONALD D. (A¹59), Instr., Portland TV-Electronics College, 1017 S.W. Washington St., Portland

 5, Ore.

 GORDON, DOUGLAS (A¹57), Dev. Engr., Dhmite Mfg.,

 3601 Howard, Skokie, III.

 GDRDON, E. S. (A¹54-SM¹59), Research Elec., Eng.,

 Armour Research Foundation of Illinois Institute of Technology, Technology Center, Chicago 16, III.

 GORDON, EDWARD (M¹56), Computer Analyst, United Gas

 COPD., BOX 1407, Shreveport, La.

 GORDON, FRED D. (M¹59), Engr., GE Co., Syracuse,

 N.Y.

- N.Y.

 CORDON, FREDRIC (M'59), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 CORDON, FREDRICK, JR. (M'57), Physicist, Solid State Devices Branch, U.S. Army Signal Engrg. Labs., Evans Signal Lab., Belmar, N.J.

 CORDON, GEORGE (S'52-A'53-M'58), Assoc. Engr., The Rand Corp., 1700 Main St., Santa Monica, Calif.

 CORDON, HIGH L. (S'51-A'53-M'58), Elec. Engr., (Patent Adviser), Navy Dept., David Taylor Model Basin, Washington 7, D.C.

 CORDON, JAMFS F. (A'42-M'47-SM'52), Engr., Marchington CORDON, Ma
- GORDON, JAMES F. (A'44-M'47-SM'52), Engrg. Mgr., Pacific Scientific Aeroprods., 10242 Placentia Ave., Anaheim, Calif.

- Anaheim, Calif.

 GORDON, JAMES J. (M'56), Chief Engr., LEL, Inc., 380
 Oak St., Copiague, L.I., N.Y.

 GORDON, JAMES M. (S'49-A'50-M'56), Electronics Engr.,
 FAA, 4707 Troost St., Kansas City, Mo.
 GORDON, JAMES M. (A'54), Elec. Engr., Southern Indiana
 Gas & Electric Co., Hulman Bidg., Evansville, Ind.
 GORDON, JOHN B. (A'58), Electronics Technician, FAA
 Training Center, Oklahoma City, Okla.
 GDROON, JOSEPH P. (A'51-SM'57), Genl. Mgr., Electronic
 Tube Div., Allen B. DuMont Labs., Inc., 76D Bloomfield
 Ave., Clifton, N.J.
 GORDON, KENNETH I. (M'57). Research Engr. Capadala

- Ave., Clifton, N. J.

 GORDON, KENNETH I. (M'57), Research Engr., Canadair, Ltd., Box 60B7, Montreal, P. Q., Canada.

 GORDON, LARRY (A'51), Pres., Television City, Inc., 480 Lexington Ave., New York 17, N.Y.

 GORDON, LLOYD L. (M'53-SM'54), V.P., Milgo Electronic Corp., 7601 N.W. 37 Ave., Miami 47, Fla.

 GORDON, LOUIS 'A'58), Aircraft Radio Technician, Canadian Pacific Airlines (Repairs), Ltd., Calgary, Alta., Canada.

 GORDON, MELVIN J. (M'56), Sr. Design Engr., Convalr, Ft. Worth, Tex.

 GORDON, MILLARD F. (M'48), Head, Penetrations Systems Dept., Thompson-Ramo-Wooldridge, Inc., 550D W. El Segundo Blvd., Los Angeles 45, Calif.

 GORDON, MORRIS J. (S'51-A'52-M'57), Sr. Project Engr., Rollipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

 GORDON, PAUL F. (M'450), Penetration Corp., Teterboro, N. J.

 GORDON, PAUL F. (M'450), Penetration Corp., Teterboro, N. J.

- GORDON, PAUL E. (M'58), Physicist, Corning Glass Works, Corning, N.Y.
 GORDON, RAYMOND A. (A'52-M'55-SM'58), Design
 Specialist, Convair, San Diego 12, Calif.
 GORDON, ROBERT E. (A'57-M'58), Industrial Electronics
 Sales, Smalley's Radio, Ltd., 1105 7 Ave., W., Calgary,
 Alta., Canada.

- Sales, Smalley's Radio, Ltd., 11.10 7 Aw., W., Calgary, Alta., Canada.

 GORDON, ROBERT F. (S'50-A'51), Project Engr., ITT Labs., Nutley 10, N.J.

 GORDON, ROBERT F. (S'51-A'52), Sr. Engr., Sperry Gyroscope Co., Great Neck. L.l., N.Y.

 GORDON, ROBERT S. (M'56), Dir., Research & Dev., Gorham Mrg. Co., 233 Adelaide Ave., Providence, R.I.

 GORDON, ROBERT S. (M'58), Electronics Engr., New York Naval Shipyard, Brooklyn 1, N.Y.

 GORDON, ROBERT T. (S'49-A'50-M'57), Engr., GE Co., Syracuse, N.Y.

 GORDON, ROBERT T. (S'49-A'50-M'57), Engr., GE Co., Syracuse, N.Y.

 GORDON, ROLAND R. (M'55), Sr. Engr., Project Co-ordinator, Genl. Communication Co., 677 Beacon St., Boston 15, Mass.

 GDRDON, SIDNEY (A'51), Dev. Engr., Tel-Instrument Co., 728 Garden St., Carlstadt, N.J.

 GORDON, STANLEY H. (A'48-M'54), Electronics Scientist, Diamond Ordnance Fuze Lab., Washington 25, D.C.

 GORDON, STANLEY M. (A'52), Chief Radio Officer, USN, M.S.T.S., Brooklyn, N.Y.

 GORDON, THURLOW M., JR. (S'49-A'41-M'55), Dir., Inductograph Lab., Brookfield, Conn.

 GORDON, WILLIAM E. (A'46-M'49-SM'58), Prof., Comell Univ., Ithaca, N.Y.

 GORDY, EDWIN (A'58), Head, Instrument Design & Dev. Dept., Roswell Park Memorial Institute, 666 Elm St., Suffalo, N.Y.

 GORDY, HAROLD M. (S'53-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

- Dept., Roswell Park Memorial Institute, 666 Elm St., 8uffalo, N.Y.
 GORDY, HAROLD M. (S'53-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 GDRE, ERNEST M. (A'44-S'47-4'50-M'56), Sr. Engr., American Electronic Labs., Inc., 121 N. 7 St., Philadelphia, Pa.
 GORE, JOHN H. (M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 GORE, LURIE D. (M'55), Sr. Design Engr., Minneapolis-Honeywell Regulator Co., 13350 U. S. Hwy. 19, St. Petersburg, Fla.
 GORE, MARVIN R. (S'51-A'52-M'58), Principal Engr., Aerojet Genl. Corp., Azusa, Calif.
 GORE, THOMAS S., JR. (M'57), Electronics Engr., U. S. Army Signal Engrg., Lab., Ft. Mouseouth, N.J.
 GDRE, WILLIS C. (S'47-M'52-SM'56), Assoc, Prof., Elec. Engr., The Johns Hopkins Univ., Baltimore 18, Md.
 GORELICK, ALBERT P. (M'55), Electronic Data Processing Co-ord., U.S. Army Signal Corps, APO 58, New York, N.Y.
 GORELICK, GEORGE (S'50-A'51-M'58), Specialist, Electronics Engr., Missile Systems Div., Republic Aviation Corp., 223 Jericho Tpke, Mineola, L.I., N.Y.

- GORETSKY, LAWRENCE M. (S'52-A'53), Field Instrumentation Technician, RCA Missile Test Project, Patrick AF8, Fla.
- CORFINKEL, GARRY G. (A'53), Engr., Canadian Marconi Co., 2442 Trenton St., Montreal, P.Q., Canadian. GORHAM, DONALD H. (S'56-M'56), 2606 Dwight Way, Berkeley 4, Calif.
- OCRIS, EDWARD N. (M'55), Aircraft Equipment Specialist, GE Co., 3325 Wilshire Blvd., Los Angeles, Calif. GURKER, GEORGE E. (S'50-A'51), Yech. Engr., GE Co., Evendale, Ohio.
- Evendale, Ohio.
 GORMAN, DON P. (A'41-M'44), Chief Engr., KOA534-KOA271, Also with Pacific Telephone & Telegraph Co., E521 Sharp, Spokane, Wash.
- GORMAN, DONALD F. (\$'55-M'58), Design Engr., IBM, Poughkeepsie N V
- POUGNREEDSIE, N.Y.
 GRMAN, JEDMOND B. (A'59), Design Engr., Federal
 Pacific Electric Co., 333 Brokaw Rd., Santa Clara, Calif.
 GORMAN, HUGH (A'59), 68 Stony Point, St. Eustache
 Sur-Le-Lac, P.Q., Canada.
- GORMAN, JOHN (M'57), Elec. Engr., RCA, Moorestown, M.
- GORMAN, RAYMOND K. (M'58), Sr. Mem. Tech. Staff,
- GORMAN, RAYMOND K. (M'5B), Sr. Mem. Tech. Staff, RCA, Burlington, Mass.

 GORMAN, ROBERT T. (A'57), Engrg. Asst., Kearfott Co., Inc., Little Falls, N.J.

 GORMAN, THOMAS A., JR. (M'59), Applied Science Rep., IBM, 1111 Connecticut Ave., N.W., Washington, D.C., GORMAN, VINCENT R. (A'54), Jr. Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.
- Prods., Inc., Emporium, Pa.
 GORMLEY, ROBERT S. (SM'49), Sr. Engr., Bendix Aviation Corp., Eatontown, N.J.
 GORN, MARTIN (SM'56), Pres. & Treas., Gom Electric Co., inc., 837-845 Main St., Stamford, Conn.
 GORNY, DONALD S. (M'57), Applications Engr., Philoc Corp., Philadelphia 32, Pa.
 GORONIN, ABRAHAM (S'43-A'45-M'55), Supvy. Genl. Engr., Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

- 1, N.Y.

 GOROWITZ, MORTON (S'50-A'52-M'57), Sr. Engr., The
 W. L. Maxson Corp., 460 W. 34 St., New York, N.Y.

 GOROZDOS, RICHARD E. (S'49-A'52-M'58), Electronics
 Engr., The Johns Hopkins Univ., Silver Spring, Md.

 GORRILL, WILLIAM S. (SM'51), V.P., Hanson-GorrillBrian, Inc., 35 Hazel St., Glen Cove, L.I., N.Y.

 GORSS, CHARLES G., JR. (S'48-A'51-M'58), Dev. Engr.,

 Boonton Radio Corp., Boonton, N.J.

 GORTON, EMERSON D. (A'44-M'55), Elec. Engr., Electronles Unit, Lear, Inc., 110 Ionia St., N.W., Grand

 Rapids 2, Mich.

 GORTON, LANE W. (M'59), Sales Engr., Cenl. Radio Co.
- GORTON, LANE W. (M'59), Sales Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass. GORTON, RICHARD M. (M'55), Fleid Supvr., Philico Tech-Rep. Div., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
- GOR TON , ROBERT E. (A'56), Dev. Engr., Pratt & Whitney Aircraft , East Hartford 8 , Conn.
- Arrorars, East Harroro 8, Conn.
 GOSCH, VERNON E. (4'55), Elec. Technician, TV Service Co., 31.2 West Ave., San Antonio, Tex.
 GOSNELL, DAVID G. (5'57-A'59), Supvr., Baldwin Piano Co., Fayetteville, Ark.
 GOSS, CLINTON G. (S'47-A'49-M'55), Staff Engr., Milltay Electronics, Motorola, Inc., 1450 N. Cleero, Chicago,

- III.

 GOSS, FRANK A., JR. (SM'54), Div. Supwr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 GOSS, JACK (A'55), Supvr., Prod. Service, GE Co., Syracuse, N.Y.

 GOSS, JERRY E. (S'55-M'58), Jr. Engr., Atomic Energy Commission, Ames Lab., Ames, Iowa.

 GOSS, WILLIAM (S'48-A'51-M'53), Design Specialist, Boeing Airolane Co., Believue, Wash.

 GOSS, WILLIAM (S'48-A'51-M'53), Mgr., Communications Service Div., Gilley Aviation, Lafayette, La.

 GOSSARD, WILLIAM H. (S'47-A'50-M'55), Elec. Engr., Natl. Security Agency, Ft. Meade, Md.

 GOSSELIN, BERNARD G. (S'57-A'58), Dev. Technician, McDonnell Aircraft Corp., Lambert Field, St. Louis, Mo.

 GOSSELIN, LEONARD (S'54-A'54), Scientist, CARDE, Box 1427, Quebec, P.Q., Canada.

 GOSSLAND, JOHN K. (A'43-SM'54), Chief Engr., West-
- Box 1427, Quebec, P.Q., Canada,
 GOSSLAND, JOHN K. (A'43-SM'54), Chief Engr., Westronics of California, 318 E. Calaveras St., Altadena, Calif.
 GOSSLAND, SAMUEL (A'54), Lab. Instr., Hughes Aircraft Co., Hawthorne, Calif.
 GOSSWILLER, ROBERT O. (S'50-A'51-M'56), Territory
 Supvr. Computer, I8M, 3424 N. Central Ave., Phoenix,
 Arrz.

- GOSTENHOFER, GEORGE (M'56), Pres. George Gostenhofer & Associates, Inc., 7 Wellington St., Waltham 54, Mass. & Associates, Inc., 7 Wellington St., Waltham 54, Ma GOSTYN, ERNEST (A'39-M'46), Chief Engr., F. W. Sickles Div., Genl. Instrument Corp., Box 330, Chico-
- GOTCH, JOHN X. (A'44), Mgr., Electronics Equipment Engr., Gotch Radio Specialties, 123 S. Monroe St... Engr., Gotch Streator, III.
- GOTCHER, ALBERT W. (A'53), Project Engr., Electro-Measurements, Inc., 7524 S.W. Macadam, Portland 1, Ore.
- GOTCHER, ROBERT W. (S'57-M'58), Field Engr., RCA,
- GOTE, JOSEPH T. (M'57), Assoc. Engr., RCA, Harrison,
- GOTSCHALL, GEORGE D. (S'42-A'47-M'55), V.P., Míg., Steel Improvement & Forge Co., 970 E. 64 St., Cleveland 3, Ohio.
- GOTSCHALL, WILLIAM O. (S'55-M'57), 2004 N. Anthony Blyd., Ft. Wayne 3. Ind.
- GOTT, ALLAN H. (M'59), 457 St. Augustine Ave., Claremont. Calif
- GOTT, AMOS M. (A'59), Sales Engr., Crescent Radio Supply, Bowling Green, Ky.
- Supply, Bowling Green, Ky.

 GOTT, EUYEN (S'50-A-'52-SM'5B), Research Assoc.,
 Radiation Lab., Institute for Cooperative Research, The
 Johns Hopkins Univ., Baltimore 2, Md.

 GOTTEHRER E. ROBERT (M'59), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 GOTTEHRED, NOAH J. (M'4B), V.P., Electronic Research
 Associates, Inc., 67 Factory Pl., Cedar Grove, N.J.

GOTTFRIED, PAUL (SM'58), Project Dir., Infand Testing Labs., 6401 Oakton St., Morton Grove, Ill. GOTTFRIED, ROBERT E. (A'53-M'59), Research Engr., Space Technology Labs., 8ox 95001, Los Angeles 45, Calif.

- 192 -

- Calif.

 GOTTHEIM, ERNEST (M'56), Field Engr., GE Co., c/o
 Republic Aviation Corp., Farmingdale, L.I., N.Y.
 GOTTIER, ROBERT L. (S'48-A'51-M'57), Sr. Electronics
 Engr., Couyair, Pomona, Calif.
 GOTTIER, THOMAS L. (A'30-SM'46), Mem. Sr. Staff,
 Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd.,
 Hawthome, Calif.

- Hawthome, Calif.
 GOTTLIEB, DONALD C. (S'50-A'51-M'5B), Chief Engr.,
 Ray-0-Vac Co., Green St., Clinton, Mass.
 GOTTLIEB, ERICH (M'55), Semiconductor Applications
 Engr., GC Co., 1224 W. Genese St., Syracuse, N.Y.
 GOTTLIEB, GERALD J. (A'52-M'56), Project Engr.,
 Norden Labs. Corp., 121 Westmoreland Ave., White
 Plains, N.Y.
- riains, N.Y.
 GOTTLIEB, HAROLD B. (S'48-A'50-M'58), Chief Engr.,
 Coll Winders, Inc., 40 New York Ave., Westbury, L.I., N.Y.
 GOTTLIEB, MARVIN (S'49-A'50), Electronics Engr.,
 Eckert-Mauchly Div., Sperry Rand, 2300 Allegheny Ave.,
 Philadelphia 29, Pa.
- OTTLIEB, RICHARD M. (S'58-M'59), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- GOTTMER, GEORGE W. (A'55-M'57), Research Engr., Calif. Calif.
- COTTSCHALK, JUAN M. (S'48-A'51-M'56), Assoc. Dev. Engr., Burnoughs Corp., Paoli, Pa. GOTTSCHALK, WINSTON M. (M'52), Prof., Elec. Engrg., Univ. of Delaware, Newark, Del.
- univ. or Detaware, Newark, Del.

 GOTTWALD, CARE, H. (S'48-A'49-M'55), Chief Engr.,
 Ryan Aeronautical Co., Electronics Div., 5650 Kearney
 Mesa Rd., San Diego 5, Calif.

 GUBBAU, GEORG J. E. (A'49-SM'56-F'57), Physicist,
 U.S. Army Signal Research & Development Lab., Ft.
 Monmouth, N.J.

- Sqdn., USAF, I umer AFB, Albany, Ga.
 GUIDET, GECRGES (SM'50), Dir., Lab. Cent. des Telec.,
 46 Av. de Breteuil, Parls 7, France.
 GUIGE, JAMES R., JR. (5'54-M'57), Electronics Design
 Engr., Minneapolis-Honeywell Regulator Co., 10721
 Hanna St., Beltsville, Md.
- GOUGH, GEORGE L. (M'59), Engr. "A", Teletype Corp., 555 Touhy Ave., Skokie, III.
- GOUGH, LEDNARD E. (S'46-A'49-SM'54), Lab. Dir., ITT Labs., 3702 E. Pontiac, Ft. Wayne, Ind. GOUGOULIS, GEORGE H. (M'58), Electronics Engr., Frequency Control Div., U.S. Army Signal Engrg. Labs., Ft. Monmouth, N.J.
- GOUIN, PIERRE L. (A'50-M'56), Dir., The Geophysical Observatory, Univ. College of Addis Ababa, Box 399, Addis Ababa, Ethiopia

- Addis Ababa, Ethiopia
 GOUIN, W. PETER (M'5B), Chief, Organization & Mngt.,
 RCAF, Hgrs., Ottawa, Ont., Canada.
 GOULART, SEBASTIAN J. (S'56-A'5B), Electronic Dev.
 Technician, Convair-Astronautics, San Diego, Calif.
 GOULD, DAVID F., II (A'52-M'57), Electronics Engr.,
 Navai Air Development Center., Johnsville, Pa.
 GOULD, EDWARD W. (A'49-M'55), Mem. Tech. Staff,
 Ramo-Woodfridge Corp., 550D W. El Segundo Blvd.,
 Los Angeles 45, Calif.
- GOULD, EDWIN E. (S'56-M'59), 1101 Campus Pkwy., Seattle 5, Wash.
- GOULD, EUGENE (A'55), Chief Engr., Mfg., Hoffman Electronics Corp., Semiconductor Div., 930 Pitner Ave., Evanston, III.
- Ave., Evanston, /II.
 GOULD, GEORGE A. (A'54), Project Engr., Arma Div.,
 Garden City, L.I., N.Y.
 GOULD, GEORGE B. (A'45-M'55), Engr., Mackay Radio
 & Telegraph Co., Brentwood, L.I., N.Y.
 GOULD, GEDRGE P. (S'49-A'51-M'56), Lt. Col., USAF,
 Air Force Ballistic Missiles Div., Air Force Unit P. O.,
 Inglewood, Calif.
- Inglewood, Calif.
 GOULD, GORDON T., JR. (S'48-A'50-SM'53), Asst.
 Deputy Commander for Electronic Systems, Hgrs., Air
 Research & Development Command, Andrews AFB,

- Research & Development Command, Andrews AFB,
 Washington 25, D.C.
 GOULD, LAWRENCE (SM'58), 37 McLean St., Wellesley
 Hills 82, Mass.
 GOULD, LAURENCE J., JR. (S'55-M'58), 187 Division
 Ave., Hicksville, L.I., N.Y.
 GOULD, LEON M. (S'48-A'52-SM'56), Staff Engr.,
 Hughes Research & Development Labs., Inc., Culver
 City, Calif.
- GOULD, LEONARD A. (M'58), Asst. Prof., MIT, Cambridge 39, Mass.
- 39, Mass.
 GOULD, MARTIN J. (SM'57), Mem. Tech. Staff, Space
 Technology Labs., Inc., Box 4277, Patrick AFB, Fla.
 GOULD, NORMAN S. (S'53-M'56), Tech. Consultant,
 Sperry Gyroscope Corp., Great Neck, L.I., N.Y.
 GUILD, RALPH E. (M'56), Research Engr., Dept., Engrg.,
 Univ. of California, Los Angeles, Calif.
- Univ. of California, Los Angeles, Calif.

 GOULD, RICHARD G. (S'46-A'49-M'55-SM'58), Research Engr., Stanford Research Institute, Menio Park, Calif.

 GOULD, ROSERT V. (S'40-A'42-SM'48), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 GOULD, ROY.W. (S'48-A'51-M'56), Assoc. Prof., Elec. Engrs., California Institute of Technology, Pasadena, Calif.

 GOULD, SHELDON (A'48-M'53), Instr., RCA Institutes, 350 W. 4 St., New York 14, N.Y.

 GOULD, SIDNEY (A'56), Sr. Engr., Canadian Marconi Co., Trenton Ave., Montreal, P.Q., Canada

 GOULD, TERENCE C. (A'58), Electronics, Canadian Marconi Co., Box 994, St., John's, Nfld., Canada

 GOULD, WALTER B. (M'57), Deputy Dir., Equipment & Services, Air Material Command, Aeronautical Systems Center, Wright-Patterson AF8, Ohio.

 GOULD, WILLIAM S., III (A'26), Deputy Chief, Detection &

- GOULD, WILLIAM B., III (A'26), Deputy Chief, Detection & Location Branch, U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

- GOULD, WILLIAM I., JR. (S'52-A'55-M'58), Electronics Engr., Diamond Ordnance Fuze Lab., Washington 25, D.C
- Engr., Diamond Ordnance Fuze Lab., Washington 25, D.C.
 GOULDEN, DAVID E. (\$'53-A'55-M'59). Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 GOULDER, MORTON E. (A'47-M'55), Project Engr. & Oir.,
 Sanders Associates, 95 Canal St., Nashua, N. H.
 GOULDING, FRED S. (SM'58), Head, Electronics Branch,
 Atomic Energy of Canada, Ltd., Chalk River, Ont.,
 Canada.
- GULLET, PAUL E. (S'57-M'58), Jr. Engr., Canadian Marconi Co., 2441 Trenton St., Mount Royal, Montreal, P.Q., Canada.
- P.Q., Canada.

 GOULET, THOMAS A. (A'53-M'58), Elec. Engr., RCA, 11819 W. Olympic Blvd., Los Angeles, Calif.

 GOUMAS, NICHOLAS P. (S'48-A'50-M'58), Electronics Scientist, Natl. Bureau of Standards, Washington 25, D.C.

 GOURGEY, ARCHIE A. (A'56), Engr., American Bosch Arma Corp., Hicksville, L.1., N.Y.

 GOURLEY, RICHARD T. (S'53-A'56), Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 GOURRICH, GEORGE E. (S'46-A'51-M'52), Pres., Westwood Electronics Corp., 219 W. 7 St., Los Angeles 14, Calif.

- GOUTOS, ANGELO (M'56), Tech. Rep., Philos Corp., Philadelphia, Pa. GOUYET, JEAN-PIERRE J. (S'57-M'5B), Elec. Engr., Schlumberger Well Surveying Corp., Box 550, Ridgefield, Conn.
- Conn.

 COVE, EDWARD L. (A'28-M'32-SM'43), Supt., Experimental Facility, Summers Gyroscope, 2328 Broadway, Santa Monica, Calif.

 GOVEIA, JOSEPH F. (A'53), Electronics Engr., RCA, Box 588, Burlington, Mass.

 GOVER, WILBERT M. (M'59), Assoc. Engr., Sperry Farragut, Bristol, Tenn.

 GOVINSKY, WALTER (S'49-A'51), Electronics Engr., Evans Signal Corps Labs., Belmar, N. J.

 GOW, KENNETH P. (A'40-SM'55), Specialist, No. Amer. Aviation, Downey, Calif.

 GOWANS, WILLIAM K. (A'46-M'55). Instrument Dev.

- GOWANS, WILLIAM K. (A'46-M'55), Instrument Dev. Engr., Consolidated Mining & Smelting Co., Trail, B.C., Canada.
- GOWEN, RICHARD J. (M'57), Ground Electronics Officer, USAF, 680th AC&W, Bonners Ferry, Idaho. GOWER, STANLEY G. (A'54), Interchangeability Engr., SAAMA, Kelly AFB, San Antonio, Tex.
- GOYDER, CECIL W. (A'30-5M'46), Telecommunications Sect., United Nations, New York 17, N.Y. GOYENA, STEVEN R. (S'58-A'58), Field Technician, RCA Internati. Service Co., Canden 8, N.J.
- GOYER, RONALD 8. (\$'56-M'58), Design Engr. RCA, Moorestown, N. J.

- Moorestown, N. J.

 GOYETTE, PAUL E. (S'56-M'58), Asst. Staff Engr.,
 Raytheon Mfg. Co., Andover, Mass.

 GOZINSKY, JOHN R. (A'52-M'58), Research Engr., Boeing
 Airplane Co., 3801 S. Oliver, Wichita, Kan.

 GOZZI, E. JOSEPH (S'53-A'54-M'58), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.

 GRAAFF, BART (M'59), Scientific Asst. SHAPE, A.D.T.C.,
 Box 174, The Hague, Netherlands.

 GRAB, FRED W. (M'56), Sr. Engr., Martin Co., Orlando,
 Fla.
- GRABBE, DIMITRY G. (A'57), Mech. Process Engl Photoc.rcuits Corp., 31 Sea Cliff Ave., Glen Cove L.I., N.Y.

- L.I., N. Y.

 GRABBE, EUGENE M. (A'54), Sr. Staff Consultant on Automation Thompson-Ramo-Wooldridge, Inc., Box 90215, Airport Sta., Los Angeles, Calif.

 GRABEL, ARVIN (S'53-M'58), Instr., Elec, Engrg., New York Univ., Bronx 53, N. Y.

 GRABER, LEWIS J. (A'48-SM'54), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N. Y.

 GRABER, RAYMOND E. (M'46-SM'55), Project Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 GRABIEC, JOSEPH J. (M'47), Mktg., Mgr., Raykhops Mfg.
- wood, Calif.
 GRABIEC, JOSEPH J. (M'47), Mktg. Mgr., Raytheon Mfg.
 Co., Newton, Mass.
 GRABOIS, BERNARD (S'50-A'51-M'56), Dev. Engr., ITT
 Labs., Nutley 10, N. J.
 GRABOWSKI, JOHN H. (A'55), Sr. Dev. Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.

- polis 13, Minn.

 GRABOWSKI, JOSEPH L. (S'52-A'54), Assoc. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 GRABOWSKI, KENNETH P. (M'57), Research Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 GRABOWSKI, STANLEY J. (M'54), Electronics Dev. Engr.,
 GE.Co., Syracuse, N. Y.
 GRACE, BILLY J. (M'59), Dev. Engr., Kelloog Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, III.

 GRACE, CHARLES H. (S'48-A'52-M'57-M'59), Mgr.,
 Research & Dev., Smith Electronics, Inc., 8 200 Snowville Rd., 8recksville, Ohio.

 GRACE, CLINTON H. (S'48-A'52-M'57), Mgr., System
- ORACE, CLINTON H. (S'48-A'52-M'57), Mgr., System Oev. Engrg., IBM, Owego, N. Y.
 GRACE, DONALD J. (S'47-A'50-M'55-SM'58), Group Supvr., Systems Techniques Lab., Stanford Electronics Labs., Stanford, Calif.
 GRACE, EDWARD H., JR. (A'54), Field Engr., ACF Industries, Inc., Hyattsville, Md.

- tries, Inc., Hyattsville, Md.

 GRACE, F. CECIL (M'50), Chief Engr., Visual Electronics Corn., 342 W. 40 St., New York, N. Y.

 GRACE, FRANK (SM'56), Oev. Engr., Research Center, IBM, Yorktown Heights, N. Y.

 GRACE, GEORGE M. (M'48), Dir., New Hampshire Survival Project, Concord, N. H.

 GRACE, JOHN N. (S'51-A'52-M'54), Mgr., NCR Physics & Kinetics, Westinghouse Atomic Power, Settis Plant, Box 1466, Pittsburgh 30, Pa.

 GRACEY, THOMAS G. (A'52-M'58), Engrg. Asst., The Bell Tel. Co. of Canada, 393 University Ave., Toronto, Ort., Canada.
- ORACIE, JOHN A. (A'52-SM'53), Mem. Internati. Frequen-cy Registration Board (I.F.R.B.), Internati. Telecommuni-cations Union, Palais Wilson, Geneva, Switzerland. GRAD, PETER P. (A'57), Tech. Dir., Aerovox Corp., 742 Belleville Ave., New Bedford, Mass.
- GRADIJAN, JACK R. (5'51-M'56), Sr. Engr., Sylvania Electronic Systems, 189 8 St., Needham 94, Mass.

- GRADJELICK, THEODORE J., SR. (A'56-M'59), Elec-tronics Engr., Electronics Div., Globe Industries, 525 Main St., Belleville, N. J. GRADNER, HERBERT (S'55-A'56), Field Service Rep., GE Co., X-Ray Dept., 4855 Electric Ave., Milwaukee, Wis.
- GRADUS, HENRI H. J. M. (M'58), Research Engr., N. V. Philips, Research Lab., Burg. v. Hoofflaan 54, Meervel-dhoven, Netherlands.
- dhoven, Netherlands.
 GRADY, CHARLES B., JR. (A'51-M'56), Staff Engr., W. L. Maxson Corp., 460 W. 34 St., New York 1, N. Y.
 GRADY, GEORGE E. (A'57), Electronic Environmental Test Div., Frea. Coord, Branch, Monitor Sta., U. S.
 Army Electronic Proving Ground, Ft. Huachuca, Ariz.

Army Electronic Proving Ground, Ft. Huachuca, Ariz. GRADY, JOHN H. (M'57), Project Officer, U. S. Army, Ft. Huachuca, Ariz. GRADY, ROBERT J. (A'57-M'59), Research Engr., Mangavox Co. Research Lab., 2255 S. Carmelina, Los Angeles 66, Calif.

66, Calif.
GRADY, THOMAS J. (S'50-A'51-M'58), Supvr., Mech. Dev. Group, B. J. Electronics, Borg-Warner Corp., 3300 Newport Blvd., Santa Ana, Calif.
GRAEBE, ROBERT H. (S'56-M'58), Electronics Engr., All American Engrg., DuPont Airport, Wilmington 5, Del.
GRAEBER, ROSS S., JR. (S'56-M'59), Elec. Engr., Motorola, Inc., 1450 N. Cicero, Chicago, III.
GRAEBNER, JOHN C. (S'58-M'59), Engr., ITT Labs., Nutley 10, N. J.
GRAEBNER, MAPTIN S. 1. (S'47-A'49-M'55), Poping.

Nutley 10, N. J.

GRAEBNER, MARTIN S. J. (S'47-A'49-M'55), Project
Staff Engr., USAF, DCS-1, Air Technical Intelligence
Centor, Wright-Patterson AFB, Dhio.

GRAEF, ROBERT L. (S'37-VA'39-M'55), Sr. Engr.,
Sperry Gyroscope Co., Great Neck, L. L., N. Y.

GRAETER, ROY J. (M'55), Consulting Engr., GE Co.,
Syracuse 6, N. Y.

GRAETINGER WILLIADD E. (A'64)

Syracuse 6, N. Y.
GRAETTINGER, WILLARD F. (A'54), Field Engr., RCA,
Gloucester, N. J.
GRAF, CALVIN R. (A'51-M'57), Electronics Engr., USAF,
Home: 207 Addax Dr., San Antonio 1, Tex.
GRAF, EDWARD A. (A'51-M'56), Asst. Sta. Mgr., Radio
Liberation Network, American Comm. for Liberation, Lamipertheim Hessen Wildbahn, Germany.

pertheim Hessen Wildbahn, Germany.
GRAF, EDWARD R. (S'55-M'59), Asst. Prof., Elec.
Engrq., Alabama Polytechnic Institute, Auburn, Ala.
GRAF, GEORGE R. (M'57), In Chg., Electronic Workshop &
Lab., Research School of Physical Sciences, Australian
Natl Univ., Box 4, GPO, Canberra, A. C. T., Australia.
GRAF, HERMAN, JR. (A'19-VA'39)(L), Asst. for Special
Projects, Bureau of Ships, Navy Dept., Washington 25,
D.C.

GRAFE, ROBERT W. (A'54), Radio Communication Supvr., State Road Dept. of Florida, Holland Bldg., Tallahassee, Fla.

GRAFF, EDWARD S. (S'53-A'55), Engr., Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J.
GRAFF, WILLIAM S. (M'57), Project Engr., IBM, Pough-keepsie, N.Y.

GRAFF, WILLIAM S. (M'57), Project Engr., IBM, Pough-keepsie, N.Y.

GRAFFIS, LEISTER F. (S'43-A'45-SM'52), Chief Field Engr., Bendix Radio Div., Painters Mill & Resisterstown Rds., Owings Mills, Md.

GRAFINGER, ALAN B. (SM'56), Dev. Engr., GE Co., 3198 Chestnut St., Philadelphia, Pa.

GRAGERT, WILFRED J. (A'54-M'57), Engr., The Geotechnical Corp., Box 28277, Dallas 2B, Tex.

GRAGEN, WILFRED J. (A'54-M'57), Engr., Project Supvr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

GRAHAM, OTTO J. (S'49-A'49-M'58), Engr., Project Supvr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

GRAHAM, BERTS S. (A'53), Electronics Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala.

GRAHAM, BERROSLE Y (S'39-A'41-SM'47), XA Planning Mgr., Lockheed Missiles & Space Div., Palo Alto, Calif. GRAHAM, BURWELL (A'44-SM'44), V.P., Chg.-of-Engr., Sparton of Canada, Ltd., Elm St., London, Ont., Canada. GRAHAM, DONALD R. (S'56-A'57), Asst. Engr., Northroo Aircraft, Inc., Edwards AFB, Calif.

GRAHAM, DORANCE, A. (M'52), Sr. Field Engr., Northroo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

GRAHAM, DORANCE, A. (M'55), Sr. Field Engr., Northroo Corp., 22 St. & Lehigh Ave., Philadelphia, Pa.

GRAHAM, FRANK E. (M'58), Elec. Engr., Admiral Corp., 3800 W. Cortland, (MCT), Univ. of Georgia, Athens, Ga.

GRAHAM, FREDERICK A. (S'57-M'57), Staff Engr., Automatic Electric de Venezuela, C.A., Apartada 9361, Caracas, Venezuela.

GRAHAM, G. LLOYD (A'52), Owner, Partner, Graham TV & Aopliances, South Mountain, Ont., Canada.

GRAHAM, H. D. (A'55), Osign Engr., FCC, Bureau of Engrg., Washington Co. (A'57), Design Engr., Interstate Electronics Corp., 707 E. (A'57), Design Engr., Interstate Electronics Corp., 707 E. (A'54), Cleictronics Engrg., 1006 Buffalo St., Clebume, Tex. (A'57), Design Engr., 1006 Buffalo St., Clebume, Tex. (GRAHAM, JAMES D. (A'55), Asst. Prof., Elec. Engrg., Dept. Marquette Univ., 1515 W. Wisconsin Ave., Milwaukee 3, Wis. GRAHAM, JAMES W. (S'49-A'51-M'57). Asst. Prof.

waukee 3, Wis.

GRAHAM, JAMES W. (S'49-A'51-M'57), Asst. Prof., Elec. Engrg., MIT, Cambridge 39, Mass.

GRAHAM, JERRY P. (A'58), Electronics Writer, Stromberg-Carlson Co., 1895 Hancock St., San Diego, Calif.
GRAHAM, JESSE D. (S'55-M'57), Mem. Tech. Staff, The Ramo-Wooldridge Corp., Los Angeles 45, Calif.
GRAHAM, JOHN M. (A'48-M'55), Consultant, 607 Howard St., Evanston, III.

GRAHAM, JOHN M., JR. (S'50-A'52-M'57), Designer "A", Douglas Aircraft Co., Inc., 3D00 Ocean Park Blvd., Santa Monica, Calif.

Monica, Calif.

(RAHAM, JOHN S. (S'52-A'53), Engr., Raytheon Mfg. Co.,
Waltham 54, Mass.

(RAHAM, LE ROY C. (M'57), Engro. Specialist, Goodyear

Aircraft Corporation, Litchfield Park, Ariz.

(RAHAM, MARTIN H. (S'43-A'49-M'54-SM'54), Assoc.

Prof., Rice Institute, Houston, Tex.

Prof., Rice Institute, Houston, Tex.
GRAHAM, MAX L. (SM/S4), Mgr., Input-Output Equipment Engro., RCA, Camden, N.J.
GRAHAM, NORMAN L. (4/49-M/55), Div. Mgr., Collins Radio Co., Cedar Rapid, Iowa.
GRAHAM, R. E. (M/45-SM/S7-F/59), Engr.-in-Chg.,
Visual Research, Bell Tel. Labs., Murray Hill, N.J.

VIsual Research, Bell Tel. Labs., Murray Hill, N.J.
GRAHAM, R. SHIELS (SM'53), Mem. Tech. Staff, Bell
Tel. Labs., Murray Hill, N.J.
GRAHAM, RICHARD H. (M'58), Electronics Engr., Univ. of
California, Radiation Lab., Livermore, Calif.
GRAHAM, ROBERT, JR. (S'49-A'51-M'55-SM'58), Design
Engr., RCA, Moorestown, N.J.
GRAHAM, ROBERT C. (A'42-M'55), Chief Engr., Rome
Cable Corp., Rome, N.Y.
GRAHAM, ROBERT C. (S'56-M'59), Elec. Engr., '8', RCA
Radio & "Victrola" Div.. Canden 8, N.J.
GRAHAM, ROBERT E. (S'43-A'43-M'50), Application
Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave.,
Mountain View, Calif.
GRAHAM, ROBERT F. (S'55-M'56), Sales Engr., Raytheon

Mountain View, Calif.
GRAHAM, ROBERT F. (\$'55-M'56), Sales Engr., Raytheon Mfg. Co., 5236 Santa Monica Blvd., Los Angeles, Calif. GRAHAM, ROBERT R. (M'58), Project Engr., Strand Engrg., Co., 1354 N. Main St., Ann Arbor. Mich. GRAHAM, ROBERT W. (M'54-SM'55), Dept. Head, Systems Engrg., Midwestern Instruments, 41 at Sheridan Rd., Tulsa, Okla.

Okla.

GRAHAM, VIRGIL M. (A'24-M'27-F'35), Assoc. Dir., Engrg. Dept., Electronic Industries Assn., 11 W. 42 St., New York 36, N.Y.

GRAHAM, WALTER (S'48-A'51-M'57), Principal Engr., Bendix Aviation Corp., 11600 Sherman Way, North

Hollywood, Calif.

Behlix Myatint Corb., 1900 Sheman Way, Mother Hollywood, Calif.
GRAHAM, WALTON (A'47-M'55), Sr. Systems Engr., Tech. Research Group, 17 Union Sq. W., New York, N.Y.
GRAHAM, WILLIAM L. (S'52-A'52-M'58), Field Engr., Schlumberger Well Surveying Corp., Perry, Okla.
GRAHAM, WILLIAM T. (S'48-M'58), Video Engr., New York Telephone Co., 140 West St., New York, N.Y.
GRAILME, FREDERICK W. (A'47-M'55), Elec. Êngr., GE Co., Hudson Falls, N.Y.
GRAIM, RICHARD J. (A'43), Electronics Engr., U. S.
Govt., Washington 25, D.C.
GRAINGER, GARNET E. (A'46-M'56), Capt., Ease of Maint. Sect., Army Development Est., Army Hors., Ottawa, Ont., Canada.

GRAM, HERBERT R. (M'58), Electronics Engr., Baird Atomic, Inc., 33 University Rd., Cambridge 38, Mass. GRAMBSCH, RUSSEL J. (M'57), Rte. 2, Box 317, Mosinee, Wis.

Mosinee, Wis.
GRAMER, EVERETT E., JR. (S'53-M'57), Engr., ITT
Federal Div., 3700 E. Pontiac, Ft. Wayne, Ind.
GRAMLEY, WENDELL D. (S'56-M'57), Engr., Illinois
Bell Tel. Co., 311 W. Washington, Chicago, Ill.
GRAMLICH, HUBERT F. (A'49), Pres., Genl. Mgr., Industrial-Electronics Labs., 606 Lagrange St., Toledo 4, Ohio.

Unio.

GRAMMAN, E. G. (A'49-M'55), Pres., Dynair Electronics, Inc., Box 1103, El Cajon, Calif.
GRAMMER, GEORGE (A'49), Tech. Dir., American Radio Relay League, 38 La Salle Rd., West Hartford 7, Conn.
GRAMMER, REYNOLD A., JR. (S'45-A'48-M'55), Project Engr., Eastman Kodak Co., 400 Plymouth Ave., N., Rochester 4, N.Y.

GRAMBER, BLIONG., JR. (A'47), Communications Engr., Yellow & Diamond Cab Co., 704 California St., Long Beach, Calif.
GRANAT, WILLIAM G. (M'59), Specialist, Beam Tube Prod. Sales, GE Co., Schenectady, N. Y.
GRANBERG, MAURITZ L. (M'56), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.
GRANBERRY, DOYLE S. (A'40-M'46-SM'51), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

GRANBERRY, HUGH W. (M'54), District Sales Mgr., Broad-cast Equipment, GE Co., 1100 E. Holcombe, Houston 25, Tex.

Tex.

GRAND, BERNARD (M'56), Project Engr., Genl. Applied Science Labs., 59 Hempstead Gardens Dr., West Hempstead, L.I., N.Y.

GRANDE, DOMINIC I. (S'53-M'57), Specifications Engr., Raytheon Mfg. Co., Andover, Mass.

GRANDE, FILBERT M. (S'50-A'51-M'56), Electronics Engr., Signal Corps Supply Agency, 225 S. 18 St., Philadelphia 3, Pa.

CPANDE, GASTANOC (MISQ), Tash Mistre Control of the Company of the Company

Philadelphia 3, Pa.

GRANDE, GAETANO C. (M'59), Tech, Writer, Raytheon Mfg. Co., Waltham 54, Mass.

GRANDE, VINCENT J. (S'51-A'52-M'57), Engr., Varian Associates, 6.11 Hansen Way, Palo Alto, Calif.

GRANDINETTI, ANTHONY F. (M'57), Engr., Support Equipment, The Martin Co., Baltimore, Md.

GRANDIZIO, LOUIS A. (A'46-M'55), Project Engr., American Bosch Arma Copp., Garden City, L.I., N.Y.

GRANDMONT, PAUL E. (A'42-M'45), Sr. Project Engr., Curtiss-Wright Corp., 631 Certral Ave., Carlstadt, N.J.

GRANET, ARNOLD J. (M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

CRANEY, JOHN F., JR. (A'56), Sr. Engr., Curtiss-Wright Corp., Carlstadt, N.J.

GRANCER, BOYD W. (A'55), Dir., Mkt. Planning,

Corp., Carlstadt, N.J.

GRANGER, BOYD W. (A'55), Dir., Mkt. Planning,
Lansdale Tube Div., Philoc Corp., Lansdale, Pa.

GRANGER, CLIFFORD E. (S'50-A'51-M'57), Sr. Mem.
Tech. Staff, RCA, 225 Crescent St., Waltham, Mass.

GRANGER, ERNEST A. (S'57-M'58), Filec. Ergr.,
Sylvania Elec. Prods., Inc., 1DO 1st Ave., Waltham,
Mass.

GRANGER, FRED P., JR. (M'55), V.P., Dir., Microcircuitry, Varo Mfg. Co., Inc., 2201 Walnut St., Garland, Tex.

GRANGER, HAROLD (SM¹54), Lt. Col., U. S. Marine Corps, Asst. Base Inspector, Marine Corps Base, Camp Pendleton, Calif.

GRANGER, JOHN V. N. (S'42-A'45-M'46-SM'51-F'56), Pres., Granger Associates, 966 Commercial St., Palo Alto, Calif.

GRANGER, LDUIS V. (M'51), Patent Atty., Woodling & Krost, 1386 Union Commerce Bldg., Cleveland 14, Ohio.

Ohio.

GRANITO, GERRY D. (S'57-M'59), Jr. Engr., IBM, Poughkeepsie, N.Y.

GRANLER, SVANTE G. (A'47-SM'51), Pres., A. B. Svenska Elektronror, Stockholm 20, Sweden.

GRANLUND, DDYNE L. (S'56-A'58), Elec. Engr., Missile Div., Chrysler Corp., Box 2628, Detroit 31, Mich.

GRANLUND, JOHN (S'47-A'51-M'55), Asst. Prof., Elec. Engrg., MIT, Cambridge 39, Mass.

GRANNEMANN, WAYNE W. (S'49-A'49-M'55), Assoc. Prof., Elec. Engrg., Univ. of New Mexico, Albuquerque, N.M.

GRANO, NEIL J. (M'58), 5323 Keene Dr., San Jose 24, Calif.

GRAND, NEIL J. (M*5B), 5523 Keene Dr., San Jose 24, Calif.

GRANDFF, HENRY N. (A'53), Exec. Dir. of Sales, Henry Prods. Co., B42 Rockaway Ave., Brooklyn 12, N.Y.

GRANDFF, HOWARD W. (S'54-M'55), Project Engr., U.S.

Naval Training Device Center, Port Washinoton, L.I.. N.Y.

GRANQVIST, CARL E. (A'46-F'55), Dir., Svenska AB

Gasaccumulator, Stockholm-Lidingo, Sweden.

GRANT, ARTHUR S. G. (A'43-M'52), Scientist, Naval

Research Establishment, c/o Fleet Mail Office, Halifax,
N.S., Canada.

GRANT, CHARLES R. (A'49-M'55-SM'57), Electronics

Engr., Naval Research Lab., Washington 25, D.C.

GRANT, DONALD A. (S'49-A'51-M'56), Capt., Canadian Army,

RCEME, Kingston, Oint., Canada.

GRANT, DUGLAS (A'51-M'58), Sr. Dev. Engr., Goodyear

Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

GRANT, DUNCAN J. (M'59), Asst. Radio Engr., Dept. of

Transport, Box 42, Moncton, N.B., Canada.

GRANT, EARL W. (M'46), Electronics Div., Statham Instruments, 12401 W. Olympic Bivd., Los Angeles 64, Calif.

GRANT, ENREST C. (S'49-A'54), Grad. Research Asst.,

Univ. of Michigan Research Institute, North Campus,

Ann Arbor, Mich.

GRANT, EUGENE F. (A'44-SM'51), V.P., Engrg., The

National Co. (1) Sherman St., Malfen, Mass.

Ann Arbor, Mich,
GRANT, EUGENE F. (A'44-SM'51), V.P., Engrg., The
National Co., 61 Sherman St., Malden, Mass.
GRANT, FORBES W. (A'39-SM'58), Engr., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.
GRANT, FRANCIS D. (A'56), Radio Inspector, Dept. of
Transport, Telecommunications, Winnipeg, Man., Canada.
GRANT, H. SPENCER (A'54), Inspector, Electronics
Equipment, Dept. of Natl. Defense, 66 Temperance St.,
Trornto 1, Ont., Canada.
GRANT, IAN C. (A'40-SM'46), Mar. Marilima Crant 2

Toronto 1, Ont., Canada.

GRANT, IAN C. (A'40-5M'46), Mgr., Maritima Grant & Co., S. R. L., Gaboto 1405, Buenos Aires, Argentina.

GRANT, JAMES M. (SM'5B), Mgr., Regional Office, ITT Corp., 333 W. 1st St., Dayton 2, Ohio.

GRANT, JDHN, JR. (A'56), Engr.-in-chg., Sylvania Elec. Prods., Inc., Woburn, Mass.

GRANT, JONES H. (A'45-M'55), Engr., Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind.

GRANT, LEO P. (M'54), Site Elec. Engr., Los Alamos Scientific Lab., Univ. of California, Box 1663, Los Alamos, N. M.

GRANT, MARK S. (A'49-M'54). Dent. Head Mar. Emerson.

Alamos, N. M.

GRANT, MARK S. (A'49-M'54), Dept., Head Mgr., Emerson Radio & Phonograph Co., 111 B Ave., New York, N. Y.

GRANT, MICHAEL P. (S'55-M'59), Instr., Elec. Engrg., Purdue Univ., West Lafayette, Ind.

GRANT, MURRAY L. (S'51-A'54), Quality Control Engr., New Prod. Design, Sorensen & Co., Inc., Richards Ave., South Norwalk, Conn.

Engr., New Prod. Design, Sorensen & Co., Inc., Richards Ave., South Norwalk, Conn.

GRANT, PETER M. (M'56), Project Group Leader, Benson-Lehner Corp., 11930 W. Olympic, Los Angeles 64, Calif.

GRANT, ROBERT L. (A'48-SM'55), Chief TV Engr., Magnavox Co., Ft. Wayne, Ind.

GRANT, WILLIAM B. (S'57-M'59), Electronics Engr., Natl. Bureau of Standards, Boulder, Colo.

GRANTGES, RICHARD F. (S'49-A'54-M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

GRANTHAM, GEORGE W. (S'50-A'51-M'56), Design Engr., Giffillan Bros., Inc., 1815 Venice Bivd., Los Angeles 19, Calif.

GRANTHAM, RAY B. (S'46-A'49-M'55), Telephone Engr., System, Sante Fe Railway Communication Dept., 920 Jackson St., Topeka, Kan.

GRANTHAM, ROBERT W. (A'41), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

GRANTHAM, ROBNEY E. (S'42-A'44-M'45-SM'51), Electronic Scientist, U. S. Naval Ordnance Lab., White Oak, Silver Spring 19, Md.

GRANLOCI, F. PAUL. (A'53d, Owner, & Mgr., Paul's TV

ORANUCCI, F. PAUL (A'54), Owner & Mgr., Paul's TV "on-the-spot" Service, 1308 N. Andrews Ave., Ft. Lauderdale, Fla.

"on-the-spot" Service, 1308 N. Andrews Ave., Ft.
Lauderdale, Fla.
GRANVILLE, RICHARD W., JR. (S'55-M'56), Engrg.
Program Mem., GE Co., Schenectady 5, N.Y.
GRANZOW, DANIEL B., (A'5B), Research Engr., Nati.
Cash Register Co., Maine & K. Sts., Dayton 9, Ohio.
GRASBERG, ALEXANDER G. (M'57), Administrator, Physical & Chemical Research Lab., RCA Labs., Princeton, N. J
GRASHORN, GENE N. (S'56-M'58), Elec. Engr., Remington Rand Univac, 1902 W. Minnehaha, St. Paul, Minn.
GRASS, ALBERT M. (A'38-VA'39-M'55), Pres., Grass Instrument Co., 101 Oid Colony Ave., Quincy 70, Mass.
GRASS, JOHN W. (S'44-A'50-M'55), Engr., Varlan Associates, 611 llansen Way, Palo Alto 2, Calif.
GRASSELI, ANTONIO (A'59), Visiting Research Fellow, Univ. of California, Div., Elec. Engr., Berkelev 4, Calif.
GRASSELI, KARL-HEINZ (A'58), Asst. Engr. to Chief Engr., Dev., Telefunken GmbH, Berelch Anlagen, Ulm-Donau, Elisabethenstr. 3, Germany.
GRASSIA, CARMELO C. (A'47-M'58), Sect. Chief, Field Engr., Force, Western Electric Co., Box 249, Littleton, Colo.
GRASSON. WALTER, JR. (S'50-A'51-M'58), Control

GRASSON . WALTER , JR. (\$'50-A'51-M'58), Control Engr. , Reliance Electric & Engrg. Co., 24701 Euclid St., Euclid, Ohlo.

St., Euclid, Ohlo. GRATTON, ROBERT E. (A'48-M'55), Sr. Electronics Engr., U.S.N.O.T.S., Bu Ord. Dept. of Navy, 3202 E. E. Foothill, Pasadena, Calif.

GRAU, WILLIAM C. (A'57), Field Engr., IBM, Kingston, N.Y.

- GRAUBERGER, WALTER E. (A'50-M'57), Electronics Engr., GE Co. Syracuse, N.Y. GRAUL, GEORGE D. (M'58), Commanding, Radio Div., Jersey City Police, 103 Webster Ave., Jersey City, N.J. GRAUL, THEODORE A. (A'46-M'51), Transmission Engr., Bell Tel. Co. of Pennsylvania, 416 7 Ave., Pittsburgh 19, Pa.
- GRAULING, C. HERBERT, JR. (S'49-A'51-M'51), Fellow Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3,
- Md.

 GRAUSDIN, PAUL (A'53), Radio Technician, Canadian Aviation Electronics, Ltd., 3B7 Sutherland Ave., Winnipeg, Man., Canada.

 GRAVEL, ARTHUR J. (S'52-A'54), Sr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 GRAVEL, CHARLES L. (M'56), Sr. Engr., Raytheon Mfg. Co., Newton 5B, Mass.

 GRAVEL, JEAN J. O. (S'53-A'53), 342 Redfern Ave., Montreal 6, P.Q., Canada.

 GRAVEL, JEAN-PAUL J. (S'49-A'51-M'56), Computer Engr., GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.

- GRAVELL, ARTHUR J. (M'57), 409 S. Harvard Or.,
- Iucson, Ariz.
 GRAVEN, CHESTER J. (M'59), Mgr., Commercial Sales, Federal Electric Corp., Paramus, N.J.
 GRAVES, CLYRE J. (M'55), Supvy. Electronics Engr., U. S. Information Agency, 1776 Pennsylvania Ave., Washington 25, D.C.
 GRAVES, DAVID C. (A'59), Field Engr., GE Co., Lynchburg, Va.

- burg, Va.
 GRAVES, FRANCIS V. (A'58), Resident Field Service
 Engr., Martin Co., Orlando, Fla.
 GRAVES, GERALD L. (S'56-M'58), Evaluation Engr.,
 Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd.,
 Chaves.
- GRAVES, HAROLD F. (SM'57), Engrg. Mgr., Sylvania Elec. Prods., Inc., 123 Whisman Rd., Mountain View, Calif.

- Caiif.

 GRAVES, HENRY 8. (A'5B), Electronics Dev. Lab.,
 Box 1033, Coral Gables 34, Fla.

 GRAVES JAMES A. (M'56), Engr., Crosley Div., Avco
 Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 GRAVES, M. BERNELL (S'53-M'55), Engr., GE Co.,
 316 East 9 St., Owensboro, Ky.

 GRAVES, ROSS E. (SM'56), Assoc. Mgr., Techniques &
 Components Dept., Space Technology Labs., Inc., Box
 95001, Los Angeles 45, Calif.
- 95001, Los Angeles 45, Calif.
 GRAVES, WAYNE H. (S'49-A'51-M'56), Engr., Collins Radio Co., Cedar Rapids, Jowa.
 GRAVES, WILLIAM W. (M'57), Sr. Systems Engr., Chance Vought Aircraft, Inc., 80x 5907, Dallas, Tex.
 GRAVES ON, ROBERT T. (S'48-A'49-M'55), Chief, Electronics Engrg. Sect., U. S. Atomic Energy Commission, 70 Columbus Ave., New York 23, N.Y.
 GRAVLEE, GAINES P. (A'50-M'55), Aeronautical Research Engr., Redstone Arsenal, Huntsville, Ala.
 GRAY, ALFRED R. (A'27-VA'39-SM'56), Mfg. Research Engr., The Martin Co., Orlando, Fla.
 GRAY, CECIL R. (M'59), Prop., The Electron Shop, Duncan, Okla.
 GRAY, CHARLES L. (M'59), Antenna Design Engr., Good-

- can, Okla.

 GRAY, CHARLES L. (M'58), Antenna Design Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 GRAY, CHARLES M. (A'55), Tech. Dir., Midnight Sun

 Broadcasting Co., Box 1160, Anchorage, Alaska.

 GRAY, CHARLES R. (S'49-A'54-M'59), Project Engr.,

 Engr., Lansdale Tube Co., Church Rd., Lansdale, Pa.

 GRAY, CHARLES T. (S'54-M'58), Assoc. Engr., Boeing

 Airplane Co., Pilotless Aircraft Div., Box 3925, Seattle,

 Wash.
- GRAY, CLAUDE M. (A'42-M'55), Consulting Radio Engr., Claude M. Gray Co., Box 602, Sirmingham 1, Ala. GRAY, CORWIN S. (SM'54), Engrg. Dept. Head, Services, Sperry Utah Engrg. Lab., 322 N. 21 St., W. Salt Lake
- , DAVID A. (A'52-M'57), Box 96, Cambridge 38,
- Mass.
 GRAY, DONALD J. (S'49-A'53-M'5B), Mem. Tech. Staff, Hycon Eastern, Inc., Cambridge, Mass.
 GRAY, DONALD W. (4'47-M'52), Electronics Engr., Goodyar Aircraft Cop., Akron 15, Ohio.
 GRAY, DUDLEY (A'36-VA'39), Elec. Engr., Stewart-Warner Electronics, 1300 N. Kostner, Chicago, III.
- Calif. Creating, 1500 N. Roscar, American III.

 GRAY, EDWARD E. (S'54-M'56), Sr. Electronics Engr.,
 Link Aviation, Inc., 530 University Ave., Palo Alto,
 Calif.

- Link Aviation, Inc., 530 University Ave., Palo Alto, Calif.
 GRAY, ELBERT L. (S'52-A'54), Jr. Engr., Datamatic Div., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton Highlands 61, Mass.
 GRAY, FRANK D. (M'51), Philadelphia Area District Mgr., Oak Mfg. Co., 1260 Clybourn Ave., Chicago 10, III.
 GRAY, G. ELLIS (S'42-A'43-M'55), Project Engr., Motoroia, Inc., 6201 E. McDowell Rd., Phoenix, Ariz.
 GRAY, G. PAUL (A'37-VA'39), Engr.-in-Chg., 80 linas Transmiting Sta., RCA Communications, Inc., 66 Broad St., New York 4, N. Y.
 GRAY, GEORGE A. (A'50), TV Staff Engr., C8S, 485
 Madison Ave., New York, N. Y. Staff Engr., C8S, 485
 Madison Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., C8S, 485
 MAGISON Ave., New York, N. Y. Staff Engr., P. Y. Staff
- GRAY, HOLLIS L. (A'49), Control & Field Supvr., Matheson Radio Co., Inc., WHDH, 6 St. James Ave., Boston 16,
- Mass.

 GRAY, HOLLIS L., JR. (M'52), V.P. Technology Instrument Corporation, 531 Main St., Acton, Mass.

 GRAY, JAMES W. (5'56-M'58), Electronics Engr., Natl. Security Apency, 9800 Savage Rd., Ft. Meade, Md.

 GRAY, JOHN C. (M'54), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 GRAY, JOHN C., JR. (M'5B), Supvr. Test Engrg., Nuclear Prods., Erco Oiv., ACF Industries, Inc., Riverdale, Md.

- GRAY, JOHN E. (A'43), Pres., Gray & Kuhn, Inc., 20
 Railroad Ave., Roslym Heights, L.I., N.Y.
 GRAY, JOHN O. (M'54), Mem. Tech. Staff, Space Technology Lab., Patrick AFB, Fla.
 GRAY, JOHN S. (A'50-M'55), Design & Dev. Engr., Trans-Mountain Oil Pipe Line Co., 400 E. Broadway, Vancouver 10, B.C., Canada.
 GRAY, KENNETH B. (A'45), Electronics Instrument Maker, Ames Research Center, Moffett Field, Calif.
 GRAY, LAURENCE F. (A'40-M'45), Sr. Project Engr., ITT Labs., Nutley 10, N., US'48-A'50-M'58), Project Engr., New England Telephone & Telegraph Co., Box 1317, Porland, Me.
 GRAY, MARION C. (A'40-M'55), Mem. Tech. Staff, Bell
- land, Me.

 GRAY, MARION C. (A'40-M'55), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N. J.

 GRAY, MARTIN B. (S'56-M'56), Elec. Engr., StrombergCarlson Co., 1400 N. Goodman St., Rochester 3, N. Y.

 GRAY, MELVIN G. (M'55), Engr., Westinghouse Elec.
 Corp., Box 746, Baltimore 3, Md.

 GRAY, NORMAN L. (S'52-A'53-M'5B), Electronics Engr.,
 United Aircraft Corp., Missiles & Space Systems Div.,
 Main St., East Hartford, Conn.

 GRAY, PAULE. (M'58), Instr., Elec. Engrg., MIT, Cambridge 39, Mass.
- bridge 39, Mass.
 CRAY, RAYMOND W. (SM'58), Staff Mem. Los Alamos
 Scientific Lab.. 8ox 1663. Los Alamos. N M
 GRAY, RICHARD E. (A'26-VA'39-M'55), Sr. Scientist,
 ITT Labs., Nutley 10, N.J.
 GRAY, RICHARD G. (M'58), Assoc. Engr., IBM, Kingston,
- GRAY, RICHARD O. (S'39-A'41-M'44-SM'55), TV Engr. Group Leader, Zenith Radio Corp., 6001 W. Dickens St., Chicago 39, III.
- Chicago 39, III.

 GRAY, ROBERT B. (SM'57), Physicist, Eric Resistor
 Corp., 644 W., 12 St., Eric 6, Pa.

 GRAY, ROBERT D. (A'53-SM'55), Sect. Head, Prods
 Engry, Sylvania Elec. Prods., Inc., Mountain View,
 Calif.
- Engrg., Sylvania Elec. Pross., Inc., Mountain View,
 Calif.
 GRAY, ROBERT K. (A/54), Elec. Engr., RCA, Camden, N.J.
 GRAY, ROBERT L., JR. (A/54-M/59), Assoc. Dev. Engr.,
 Burroughs Corp., Paoli, Pa
 GRAY, ROBERT W. (SM'58), Chief Group Engr., Nortronics
 Div., Northrop Corp., 500 E. Orangethorpe, Anaheim, Calif.
 GRAY, STEPHEN B. (A/5B), Tech. Writer, Coastal Publications, 130 W. 42 St., New York 36, N.Y.
 GRAY, THOMAS, JR. (A/56), Equipment Maint. Long Lines
 Oept., AT&T Co., Box 279, Lamesa, Tex.
 GRAY, TRUMAN S. (A/40-SM/45), Assoc. Prof., Elec.
 Engrg., MIT, Cambridge 39, Mass.
 GRAY, W. MALCOLM (M/55), Sr. Engr., Asst. Group Supvr.
 Applied Physics Lab., The Johns Hopkins Univ., Silver
 Spring, Md.
 GRAY, WILLIAM A. (SM'54), Electronics Consultant, Box 93,
 Vienna, Va.

- Vienna, Va.
 GRAY, WILLIAM H. (M'56), Sales Mgr., Hughes Prods.,
 500 Superior Ave., Newport Beach. Calif.
 GRAY, WILLIAM W. (5'54-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 GRAYBEAL, JAKE (A'57), Executive Engr., United Control
 Corp., 4540 Union Bay Pl., Seattle, Wash.
 GRAYBEAL, WARREN E. (A'56), Mech. Engr., Stewart
 Warner Electronics, 1300 N. Kostner Ave., Chicago 51,
 III.
- GRAYDON, ALFRED (M'56), District Sales Mgr., Hughes Aircraft Co., Calif.; 224 Harrison St., Syracuse, N.Y. GRAYSON, EDWARD L. (A'45-M'47), Sales Mgr., Daven Co., Rte. 10, Livingston, N.J.
- Co., Rte. 10, Livingston, N.J.
 GRAYSON, GEORGE (M'56), ProJect Engr., Teleregister,
 Corp., 445 Fairfield Ave., Stamford, Conn.
 GRAYSON, KENNETH B. (S'48-A'52-M'57), Project
 Engr., Olympic Radio & TV., 34-01 38 Ave., Long
 Island City 1, N.Y.
- GRAYSON, ROY R. (S'54-M'57), Lt., USN, Airborne Early Warning Electronics AEWRON-TWELVE, Navy #14, FPO, San Francisco, Calif.

- Warning Electronics AEWRON-IWELVE, Navy #14, PPO, San Francisco, Calif.
 GRAYTOCK, ROBERT A. (S'57-M'58), Jr. Engr., I8M, Poughkeepsie, N. Y.
 GRAYTON, ROBERT F. (S'57-M'58), Lt., U. S. Army, U. S. Army Signal Engrg. Lab., Ft. Monmouth, N. J.
 GRAYZEL, ALFRED I. (S'55-M'56), Elec. Engr., MIT, Lincoln Labs., Lexington, Mass.
 GRAZDA, EDWARD E. (S'42-A'43-M'55), Editor, Hayden Publishing Co., Inc., B30 3rd. Ave., New York 22, N. Y.
 GRAZIAOIO, STANLEY J. (M'56), Leader, Interference Control, RCA Service Co., Patrick AFB, Fla.
 GRAZIANO, VICTOR (S'43-A'47-M'55-SM'56), Consultant, Microwaye & Industrial Prods., Motorola, Inc., 1400 N.
 GRAZIAOLI, RINALDO (A'57), Capt., Italian Air Force, Ministero Difesa Aeronautica, Rome, Italy.
 GRDSELOFF, LEONARD (A'48-M'49), Design & Test Engr.

- MINISTED DIFESA AEFONAUX (CA., KOME, ILAI).

 GROSELOFF, LEONARO (A'48-M'49), Design & Test Engr.

 & Consultant Engr., Home: No. 45 Bis. Rue Champolion,
 Flas 32, Cairo, Eqypt.

 GREANEY, EDWARD J. (M'58), Chief Field Engr., Hoffman
 Electronics Corp., 6200 S. Avalon Blvd., Los Angeles,
 Calif.
- GREATBATCH, WILSON (S'49-A'51-M'56), Head, Dept. EA, Taber Instrument Corp., 107 Goundry St., North Tona-wanda, N. Y.
- wanua, N. Y.
 GREATHOUSE, DUARD E. (A'49), Assoc. Engr., Johns
 Hopkins Univ., Applied Physics Lab., B621 Georgia Ave.,
 Silver Spring, Md.
 GREAVES, HAR OLD L. (S'56-A'56), Electronics Technician, Firestone Tire & Rubber Co., 2525 Firestone Blvd.,
 Los Angeles, Calif.
- Los Angeles, Calif.

 GREAVES, HYALENE A. (M'49), Asst. Elcc. Supt., Demerara Bauxite Co., Mackenzie, British Guiana.

 GREBE, ALFRED H. (S'50-A'51-M'56), Prod. Dev. Engr., Allied Control Co., Inc., Plantsville, Com.

 GREBENKEMPER, CLIFFORD J. (A'44-SM'53), Physicist, Naval Research Lab., Washington 25, D. C.

 GREBLER, MARCUS (S'49-A'50), Equipment Specialist, Electronics Engro. Branch, FAA, Federal Bldg., Jamaica, L. I., N. Y.

- GRECCO, JOSEPH A. (A'53-M'5B), Staff Engr., IBM, Poughkeepsie, N. Y.
- GRECO, EMILIO (A'58), Control Engr., Societe Italian Meri-dionale Energia Atomica Via S. Teresa, Rome, Italy.

- GRECO, NORMAN A. (A'55), Tech. Staff Mem., GE Co., 601 California St., Palo Alto, Calif. GREEAR, DONALD W. (M'57), Electronics Engr., Avion Div., ACF Industries, BOO N. Pitt St., Alexandria, Va. GREFKES, JOHANNES A. (M'57), Research Engr., N. V Philips Gloeilampenfabrieken, Eindhoven, Netherlands.
- Philips Cloeilampenfabrieken, Eindhoven, Netherlands, GREELEY, A. CURTIS (S'34-M'56), Electronics Engr., Convair-Astronautics, 8ox 112B, San Diego, Calif.
 GREELEY, JOSEPH J. (S'51-M'56), Sr. Engr., Sperry-Rand Corp., Great Neck, L. I., N. Y.
 GREELY, DONALD K. (A'5B), Industrial Sales Engr., George D. Barbey Co., Inc., 2nd & Penn Sts., Reading, Pa.
 GREEN, ALAN I. (S'55-M'59), Defense Research Engr., MIT Instrumentation Lab., Cambridge, Mass.
 GREEN, ALBERT P. (S'39-A'42-M'55), Chief Engr., Sound Dept., Warner Brothers Pictures, Inc., Burbank, Calif.

- GREEN, ALBERT W. (M'56), Quality Control Mgr., Fa child Controls Corp., 6111 E. Washington Blvd., Los Angeles 22, Calif.
- Angeles 22, Calif.

 GREEN, BENJAMIN W. (S'5B-M'59), Engr. Bulova Research
 & Oevelopment Lab., 62-40 Woodside Ave., Woodside 77,
 L.I., N.Y.

 GREEN, BERYL B. (S'50-A'51-M'56), Project Engr., FAA,
 Box 10B2, Oklahoma City, Okla

 GREEN, 8IGELOW (M'59), 12 Gloucester St., Boston 15,
 Mass.

- Mass.
 GREEN, CEDRIC S. (A'48), Research Engr., Electronics, Douglas Aircraft Co., Long Beach, Calif.
 GREEN, CHARLES A. (A'49), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 GREEN, CLAUDE E. (M'59), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 GREEN, DALE J. (S'55-M'5B), Project Engr., Sperry Utah Engrg. Lab., 322 N. 21 St., W., Salt Lake City 16, Utah
- GREEN, DAVID I. (M'56), Chief Engr., Northern Pacific Television Corp., (KXLY-TV), 315 W. Sprague, Spokane,
- GREEN, DAVID J. (A'44-SM'56), Head, Advanced Planning, System Development Corp., 2400 Colorado Ave., Santa Monica, Calif.

- GREEN, DAVID J. (A'44-SM'56), Head, Advanced Planning, System Development Corp., 2400 Colorado Ave., Santa Monica, Calif.

 GREEN, DONALD H. (A'55), Publications Group Head, Collins Radio Co., Cedar Rapids, lowa.

 GREEN, EDGAR E. (A'53), Design Engr., Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore 27, Md.

 GREEN, EDWARD H. (S'49-A'50-M'55), Prof., Physics, Brooklyn College, Bedford Ave., Brooklyn 10, N.Y.

 GREEN, EDWARD W. (M'59), Systems Engr., Dept. of Natl. Defence, Air Force Hors., Ottawa, Ont., Canada.

 GREEN, ELMER H. (A'54), Capx., USAF, Instr., Elec. Engrg., USAF Academy, Colo.

 GREEN, ESTILL I. (A'54), Capx., USAF, Instr., Elec. Engrg., USAF Academy, Colo.

 GREEN, ESTILL I. (A'54-M'59), Assoc. Experimental (Elec.) Engr., Union Carbide Nuclear Co., Oak Ridge Natl. Lab., Oak Ridge, Tenn.

 GREEN, FRANCIS W. (M'52), Sr., Electronigs Engr., Convair-A stronautics, Edwards Rocket Base, Edwards, Calif.

 GREEN, FREDERICK D. (M'58), Defence Service Scientific Officer, Defence Research Board, Ottawa, Ont., Canada.

 GREEN, FREDERICK D. (M'58), Pode. Engr., Semiconductor-Components Div., Texas Instruments, 13500 Central Expressway, Dallas, Tex.

 GREEN, GERGER M. (A'54-M'57), Aerophysics Engr., Convair, Ft. Worth, Tex.

 GREEN, GERGER M. (A'54-M'57), Pres., Oil Capitol Electronics Corp., 708 S. Sheridan, Tulsa 16, Okla.

 GREEN, HAROLD V. (S'52-A'54), Sr., Engr., Chrysler Corp., Detroit 31, Mich.

 GREEN, HERBERT L. (A'58), Owner, Green Radio Communications, 1227 W. 17 St., Muncie, Ind.

 GREEN, HERBERT L. (A'58), Owner, Green Radio Communications, 1227 W. 17 St., Muncie, Ind.

 GREEN, HERBERT L. (A'58), Owner, Green Radio Communications, 1227 W. 17 St., Muncie, Ind.

 GREEN, HERMAN H. (M'53), Engr., GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.

 GREEN, JAMES E. (M'58), Cax., USAF, Engr., Wright-Patterson AFB, Ohio.

 GREEN, JOHN D. (M'58), Cax., USAF, Engr., Wright-Patterson AFB, Ohio.

 GREEN, JOHN S. (S'59-A'54), Sr., Engr., Chrysler Corp., John A. (S'39-A'42-M'45-SM'49), Prof., Elec.

 Engra., Univ. of Arkansas

- Oriole Or., Oallas 9, Tex.

 GREEN, JOHN D. (M'58), USCG, U.S. Custom House, New York 4, N.Y.
- York 4, N.Y.
 GREEN, JOHN L. (M'59), Scientist-in-Chg., Longbranch
 Field Sta., Natl. 8ureau of Standards, Box 416, Kilbourne, Ill.
 GREEN, JOHN W. (S'47-A'49-M'55), Chief Geophysicist,
 M. L. Randall, Explorations, 1528 Esperson 8idg., Houston 2, Tex.
- ton 2, 1 ex.

 GREEN, JOSEPH R. (M'4B), Patent Atty., 74 Trinlty PI.,

 New York 6, N.Y.

 GREEN, JULIUS (M'52), Project Engr., Chanel Master

 Corp., Ellenville, N.Y.

 GREEN, LAWRENCE S. (M'59), Engr., RCA, Camden,

 M.Y.
- GREEN, LEONARD N. (S'49-A'51-M'57), Electronics Project Engr., Blonder-Tongue Labs., Inc., 9 Alling St., Newark 2, N.J.

- Newark 2, N.J.

 GREEN, LESTER V. (A'57), Mai., USAF, 8ox 25, Hq.
 A.D.C., Ent. AF8, Colorado Springs, Colo.

 GREEN, LOREN F. (A'50), Owner, Loren F. Green & Associates, 5218 Diversey Ave., Chicago 39, III.

 GREEN, LOUIS H. (A'52), Tech. Writer, DeVry Tech.

 Institute, 4141 W. Belmont Ave., Chicago 41, III.

 GREEN, MARVIN C. (A'48-M'53-SM'58), Chlef, Simulation & Computation Div., Air Force Missiel Development Center,

 Holloman AF8, Alamogordo, N.M.
- Holloman AFB, Alamogordo, N. M.
 GREEN, MELVIN (A'53-M'58), Sr. Elec. Engr., Hazeltine
 Electronics Corp., Little Neck 62, L. I., N. Y.
 GREEN, MELVIN W. (A'4B-M'53-SM'59), Project Engr.,
 ITT Labs., Nutley 10, N.J.
 GREEN, MILES (M'4B-SM'56), Radio Engr., British
 Columbia Telephone Co., 2226 W. 10 Ave., Vancouver 9, B.C., Canada.
 GREEN, NORMAN (A'56-M'56), Electronics Research Engr.,
 Aladdin Electronics, 703 Murfreesboro Rd., Nashville,
 Tenn.

- GREEN, NORMAN R. (S'56-A'57), IBM, Kingston, N.Y.
 GREEN, NORVAL H. (A'44-M'55), Mgr., Semlconductor,
 RCA, Harrison, N.J.
 GREEN, ONIS C. (M'59), AeronautIcal Research Engr.,
 Automatic Stability & Control, Army Ballistic Missile
 Agency, Redstone Arsenal, Ala.
 GREEN, PAUL E., JR. (S'46-SM'55), Staff Mem.,
 Lincoln Lab., MIT, Lexington 73, Mass.
 GREEN, PAUL E., JR. (S'46-SM'55), Project Engr., Arma
 Oiv., American Bosch Arma Corp., Garden City, L.I., N.Y.
 GREEN, PHILL C. (M'57-SM'58), Sr. Nuclear Engr., Convair, Box B5, Zone 6, Ft. Worth, Tex.
 GREEN, PHILIP J. (A'55-M'58), Field Service Engr., GE
 Co., Utica, N.Y.
 GREEN, PHILIP S. (S'56-M'59), Assoc. Engr., Applied
 Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
 GREEN, RALPH E., JR. (S'53-A'54-M'59), Systems
 Analysis Engr., Martin Co., Orlando, Fla.
 GREEN, RALPH E., JR. (S'50-A'51-M'56), Electronics
 Engr., WCAU, Inc., City Line & Monument Ave., Philadelphia, Pa.
 GREEN, RAYMOND C. (A'55), Design Engr., Bendix Aviation

- Engr., WCAU, Inc., City Line & Monument Ave., Philadelphia, Pa.

 GREEN, RAYMOND C. (A'55), Design Engr., Bendix Aviation
 Co., Teterboro, N. J.

 GREEN, RAYMOND H. (A'57), Dir., Research & Service
 Terry Phone, Inc., 3805 Paxton St., Harrisburg, Pa.
 GREEN, RICHARD D. (A'51-M'56), Operations Mgr.,
 Lambda-Pacific Engrg., Inc., 14725 Arminta St., Van
 Nuys, Calif.

 GREEN, ROBERT (M'57), Research & Dev. Engr., Arma
 Div., Garden City, L.I., N.Y.

 GREEN, ROBERT E. (M'55-SM'59), Project Engr.,
 Andrew Corp., 363 E., 75 St., Chicago, III.
 GREEN, ROBERT J. (S'53-M'56), Mem. Tech. Staff,
 Ground Systems, Hughes Aircraft Co., Box 2097,
 Fullerton, Calif.

 GREEN, ROBERT R. (A'39-M'46-SM'50), Prof., Elec.
 Engrg., Debt., Kansas State Univ., Manhattan, Kan.

 GREEN, SANFORD N. (A'58), 491 Riverdale Ave., Yonkers, N.Y.

 GREEN, SIDNEY S. (S'46-A'48-M'55), Supvg. Engr.,

- Rers, N. V. Ner S. (S'46-A'48-M'55), Supv9, Engr., Remington Rand Univac, St. Paul 16, Minn.

 GREEN, STANLEY (M'5B), Test Engr., American Bosch
 Arma Corp., Garden City, L.I., N.Y.

 GREEN, VICTOR H. (A'54-M'58), Assoc. Electronics
 Engr., Comell Aeronautical Lab., Buffalo 21, N.Y.

 GREEN, WARREN L. (A'42-M'46), Chief Tech, Man, The
 Pacific Telephone & Telegraph Co., 5D1 2nd Ave., Spokane,
 Wash.

- Wash.
 GREEN, WILLIAM C. (A'38-VA'39), Dir., Engrg., Natl.
 Scientific Labs., 201D Massachusetts Ave., N.W.,
 Washington 6, D.C.
 GREEN, WILLIAM F. (M'57), Measurement Facilities Engr.,
 Sperry Gyroscope, Great Neck, L.I., N.Y.
 GREEN, WILLIAM M. (S'53-A'55). Maj, USAF, Instr.
 Elec. Engrg. Dept., Air Fonce Institute of Technology,
 AFIT, Box 3533, Wright-Patterson AFB, Ohio.
- GREEN, WILLIAM M., JR. (S'48-A'49-M'55), Asst. Plant Engr., Internati. Paper Co., Bastrop Mill, Bastrop, La.

- La.

 GREENBAUM, JOHN R. (A'46-M'52), Design Engr., GE Co., Syracuse, N.Y.
 GREENBAUM, LDUIS A. (S'57-M'59), Fleld Engr., Hughes Aircraft Co., Culver City, Calif.
 GREENBAUM, MARVIN (S'45-A'50-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 GREENBAUM, MYRON (M'58), Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City, N.Y.
 GREENBAUM, WILLIAM H. (S'45-M'49), V. P., Dir. of Engrg., Otarion Listener Corp., Scarborough Park, Ossining, N.Y.

- N.Y.

 GREENBERG, ARTHUR H. (S'57-M'59), Elec. Engr.

 Ploatinny Arsenal, Dover, N.J.

 GREENBERG, CARL J. (M'55), Elec. Engr., Amour Research

 Foundation, JD W. 35 St., Chicago 16, III.

 GREEN BERG, DAVID L. (M'59), Electronics Scientist,

 Code 535, David Taylor Model Basin, Washington 7, D.C.

 GREENBERG, DAVID R. (M'55), Chief Dev. Engr., Control

 Instrument Co., 67 35 St., Brooklyn 32, N.Y.

 GREENBERG, EARL (M'55), Tech. Specialist, Electronics

 Engr., Missile & Space Div., Republic Aviation, Mineola.,

 L.I., N.Y.
- Engr., Missite & Space DIV., Republic Aviation, Mineola., L.I., N.Y.

 GREENBERG, EDMOND L. (S'56-M'57), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 GREENBERG, EUGENE P. (M'56), Sr. Engr., Federal Div., Prod. Dev., ITT, Clifton, N.J.

 GREENBERG, HARNY (S'47-A'49-M'55), Chief Dev. Engr., Channel Master Corp., Ellenville, N.Y.

 GREENBERG, HOWARD (A'53-M'58), Dev. Engr., ITT Labs., Nutley 10, N.J.

 GREENBERG, IRA G. (SM'56), Asst. Project Engr., Fairchild Astrionics Div., Wyandanch, L.I., N.Y.

 GREENBERG, IRVING D. (S'49-A'51-M'57), Sr. Engr., Sylvania Elec. Prods., Inc., Wohum, Mass.

 GREENBERG, LEON H. (M'54), Design Engr., Continental Electronics Mig. Co., 4212 S. Buckner Blvd., Dallas 27, Tex.

 GREENBERG, LEONARD (A'58), Cont. May Engages.

- Tex. BERG, LEONARD (A'58), Geni. Mgr., Encapsor Prods. Sales Corp., 26 Edison St., Amityville, L.I., N.Y. GREEN8ERG, SOL (A'44-M'55), Chief Engr., Lambda Electronics Corp., 11-11 131 St., College Point, L.I., N.Y.

- N.Y.
 GREENBLATT, EMANUEL (S'53-M'55), Assoc. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 GREENBLATT, MANUEL H. (SM'56), Research Engr.,
 RCA, Princeton, N.J.
 GREENBLATT, RICHARD C. (A'57), Component Engr.,
 Burrouphs Corp., Paoli, Pa.
 GREENBLATT, STANLEY (S'47-A'52-M'56), Staff Mem.,
 Genl. Precision Lab., Pleasantville, N.Y.
 GREENBLUM, CARL (A'45-M'55), Sr. Electronics Engr.,
 The Telerigister Corp., 445 Fairfield Ave., Stanford,
 Conn.
- GREENBURG, ALBERT R. (M'56), Dev. Engr., Motorola, Inc., Semiconductors, 5D05 E. McDowell, Phoenix, Arlz. GREENE, ALAN H. (S'48-A'50-M'56), Engr., RCA, Burlington, Mass.

- GREENE, ALFRED A. (A'55), Project Engr., Burroughs

- GREENE, ALFRED A. (A'55), Project Engr., Burroughs Corp., Paoli, Pa.
 GREENE, ARTHUR N. (S'49-A'50-M'55), Fleid Engr., Reeves Instrument Corp., Garden City, L.I., N.Y.
 GREENE, CARLK. (A'54-SM'58), Project Officer, Wight Air Development Center, Wright-Patterston AFB, Ohio.
 GREENE, CHARLES R., JR. (S'54-M'58), Electronics Engr., U.S. Naval Ordnance Lab., Silver Spring, Md.
 GREENE, CLIFFORD E. (M'55), Chief Applications Engr., Panhandie Electric Sales, 604 Johnson St., Amarillo, Tex.
 GREENE, DAN (J'20-A'43), Pres., The Dan Greene Organization, Inc., Box 124, Cambridge 38, Mass.
 GREENE, ELLIS (A'57), V.P., Dialight Corp., 60 Stewart Ave., Brooklyn 37, N.Y.
 GREENE, ERNESTE. (M'53), Radio Engr., Johns Hopkins Univ., Lab. of Applied Physics, Silver Spring, Md.
 GREENE, FLOYD L. (M'56), System Communications Supt., Ohio Power Co., 301 Cleveland Ave., Canton 2, Ohio.
 GREENE, FANK M. (A'35-M'44), Radio Engr., Natl. Bureau of Standards, Boulder, Colo.
 GREENE, GARDINER G. (M'47-SM'51), Pres. Treas., Browning Labs., Inc., 10D Union Ave., Laconia, N.H.
 GREENE, GORGEM. (A'48-SM'48), Asst. to Engrg. V.P., Hughes Aircraft Co., Culver City, Calif.
 GREENE, GORGEN M. (A'48-SM'59), Staff Mem., Sandia Corp., Sandia Basse, Albuqueraue, N.M.
 GREENE, HARDLD R. (M'56-SM'59), Staff Mem., Sandia Corp., Sandia Basse, Albuqueraue, N.M.
 GREENE, HARRUD R. (M'35-SM'59), Staff Mem., Sandia Corp., Sandia Basse, Albuqueraue, N.M.
 GREENE, HARRYA, J.R. (M'45-SM'59), St. Dev. Engr., God-year Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 GREENE, RVING (A'47), Pres., Greene Posner, Inc., 12D E., 56 St., New York 22, N.Y.
 GREENE, JACKE. (S'48-A'50-M'55), Dev. Engr., IBM, Prod. Dev. Lab., Endicotk, N.Y.
 GREENE, JACKE. (S'48-A'50-M'55), Chief Elec. Engr., G. B.
 Electronics Corp., Hook Creek Bivd., Valley Stream, L. I., N.Y.
 GREENE, JACKE. (S'48-A'50-M'55), Radio TV Engr., Westem Electric Co., Bell Tel. Labs., Whippany, N.J.
 GREENE, JACKE. (S'48-A'50-M'55), Chief Elec. Engr., G. B.
 Electronics Corp., Hook Creek Bivd., Valley Stream, L. I., N.Y.
 GREENE

- N.Y.
 GREENE, KENNETH D. (S'56-A'56), Radio TV Engr.,
 Winnebago Television Corp., Meridian Rd.. Rockford. III.
 GREENE, KENNETH F. (M'59), Mgr., Printed Circuit Lab.,
 IBM, Poughkeepsie, N.Y.
 GREENE, KURT (M'57-SM'59), Head, Passlve Components
 Sect., U.S. Testing Co., Inc., 1415 Park Ave., Hoboken,
 N.J.

- N.J.

 GREENE, M. BEY (A'43), Electronics Maint., Univ. of California Radiation Lab., Livermore, Calif.

 GREENE, MARTIN A. (A'56-M'59), Designer, Medical Electronic Equipment, 4D66 Clearpool Circle, Memphis 18, Tenn.

 GREENE, NORMAN E. (S'51-A'53-M'58), Electronics Engr., IBM, Poughkeepsie, N.Y.

 GREENE, PATRICK J. (S'58-M'59), 79 Main St., Somersworth, N.H.

- CREENE, PATRICK J. (S'58-M'59), 79 Main St., Somersworth, N.H.

 GREENE, RICHARD D. (M'56), Applications Engr., Raytheon M'19. Co., Newton, Mass.

 GREENE, ROBERT M. (S'51-A'52-M'56), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 GREENE, RONALD L. (A'53-M'58), Design Engr., Westinghouse Elec. Corp., Box 221, Greenville, Pa.

 GREENE, STANLEY J. (M'54), Supvr., Video Tape Operations, CBS, 485 Madison Ave., New York, N.Y.

 GREENE, THURLOW A. (M'46), Transmitter Supvr., WINR-AM-TV, 70 Henry St., Binghamton, N.Y.

 GREENE, VICTOR A. (S'57-M'58), 64 Mt. Prospect Ave., Belleville 9, N.J.

 GREENE, WALTER E. (A'47-M'47), Bureau of Ships, Contract Officer, Naval Air Missile Test Center, Point Mugu, Calif. GREENE, WILLIAM J. (SM'57), Assoc. Dir., Metallurgical Research Air Reduction Co., Mountain Ave., Murray Hill, N.J.

 GREENE BAUM, EDGAR N., JR. (A'56), Owner, Greenebaum & Associates, 125 S. Las Salle St., Chicago 3, Ill.

 GREENE, ALAN E. (M'57), Sr., Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif.

 GREENFIELD, ALAN R. (S'56-M'58), Engr., Hughes Aircraft Co., 5440 Century Blvd., Los Angeles, Calif.

 GREENFIELD, ALENAN R. (S'56-M'58), Engr., Hughes Aircraft Co., 5440 Century Blvd., Los Angeles, Calif.

 GREENFIELD, ALENAN R. (S'56-M'58), Engr., Hughes Aircraft Co., 5440 Century Blvd., Los Angeles, Calif.

 GREENFIELD, ALENAN R. (S'56-M'58), Engr., Hughes Aircraft Co., 5440 Century Blvd., Los Angeles, Calif.

 GREENFIELD, ALENAN R. (S'56-M'58), Engr., Hughes Aircraft Co., 5440 Century Blvd., Los Angeles, Calif.

 GREENFIELD, GEORGE (S'51-A'52-M'57), Sr. Engr., ITT Labs. Niviley 10 N. I

- Conn.
 GREENFIELD, GEORGE (S'51-A'52-M'57), Sr. Engr., ITT
 Labs., Nutley 10, N.J.
 GREENFIELD, JAMES C. (M'59), Electronics Scientist,
 Picatinny Arsenal, Dover, N.J.
 GREENFIELD, JOSEPH D. (M'56), Instr., Electronic Engrg.,
 Pennsylvania State Univ., Ogontz Center, Pa.
 GREENFIELD, SEYMOUR E. (S'56-M'58), Elec. Engr.,
 Sylvania Electronic Systems, Data Processing Lab., Needham,
 Mass.
- Mass.

 GREENFIELD, WILLIAM D. (M'55), Maj., USAF, Electronics Engr., Hgrs., USAFE, Wiesbaden, Germany.

 GREENHALGH, KENNETH D. (M'56), Supvr., Sonar Engrs., GE Co., Syracuse, N.Y.

 GREENHOUSE, HAROLD M. (M'56), Dir., Semiconductor Research, Aladdin Electronics, 705 Murfreesboro Rd., Nashville, Tenn.

- Nashville, Tenn.

 GREENHOUSE, LEON (S'56-M'59), 3232 Chillum Rd., Mt. Rainer, Md.

 GREENHOUSE, STEPHEN C. (S'57-M'59), Electronics Engr., Diamond Drdnance Fuze Lab., Washington 25, D.C.

 GREENIDGE, GERALD F. (S'45-A'50-M'58), Elec. Engr., Supvr., Shipbuilding, USN; Naval Inspector of Ordnance, 139 Center St., New York 13, N.Y.

 GREENING, JOHN P. (A'54), Electronics Engr., Phillips Petroleum Co., Bartlesville, Okla.

 GREENLEAF, FRANCIS D. (S'40-A'44-SM'51), Project Mgr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 GREENLEAF, JAMES L. (S'56-M'57), Elec. Engr., ITT Labs., Nutley 10, N.J.

 GREENLEAF, DARRELL R. (M'56), Sr. Design Engr.,

- Labs., Nut(ey 10, N.J.
 GREENLEE, DARRELL R. (M'56), Sr. Design Engr.,
 Convair, Ft. Worth, Tex.
 GREENMAN, LYLE R. (S'54-M'57), Systems Coordinator,
 Martin Cn., Orlando, Fia.
 GREENMAN, ROBERT R. (S'55-M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 GREENOUGH, H. VOSE, JR. (M'53), Recording Consultant, 48 Banks St., Cambridge 38, Mass.

- GREENQUIST, ROBERT E. (S'48-A'49-M'55), Sr. Project Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- YOR LD, N.Y.

 GREENSLIT, CHARLES L. (SM'58), Mor., Research & Dev., Bendix Radio Oiv., Towson 4, Md.

 GREENSPAN, JOSEPH (M'51), Dir., Process & Instruments, 15 Stone Ave., Brooklyn 33, N.Y.

 GREENSPAN, LAWRENCE E. (S'46-M'56), Digital Engr., Group Leader, Cubic Corp., 5575 Kearny Villa Rd., San Diego 11, Calif.
- Diego 11, Calif.

 GREENSPAN, PHILIP (M'56), Instrument Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago, Ill.

 GREENSPAN, SEYMOUR (A'50-M'55), Electronics Engr., RCA, Moorestown, N.J.

 GREENSTEIN, JEROME L. (A'55), Sr. Research Engr., Convair-Astronautics, San Diego, Calif.

 GREENSTEIN, PHILIP (A'28-Va'39-M'55), Prof., Elec. Engr., New York Univ., New York 53, N.Y.

 GREENWALD, CHARLES (A'47), Sr. Project Engr., ITT Labs., Nutley 10, N.J.

 GREENWALD, MARTIN H. (A'46-M'55), Sect. Head, The Norden Labs., 121 Westmoreland Ave., White Plains, N.Y.

- The Norden Labs., 121 Westmoreland Ave., White Plains, N.Y.

 GREENWALD, MILTON S. (S'49-A'51-M'57), Asst. Supvr., Master Control, CBS Television, 485 Madison Ave., New York 22, N.Y.

 GREENWALD, SIDNEY (A'50-M'55), Electronic Scientist, Natl. Bureau of Standards, Washington, D. C.

 GREENWALD, SIDNEY (A'50-M'55), Staff Engr., Motorola, Inc., 1450 Cicero Ave., Chicago 51, Ill.

 GREENWAY, THOMAS H. (S'55-M'58), Microwave Engr., Sanders Associates, inc., 95 Canal St., Nashua, N.H.,

 GREENWOD, ARTHUR H. (A'56), S. Design Technician, Univ. of California, Box 1663, Los Alamos, N. M.

 GREENWOOD, ARTHUR H. (A'56), S. Design Technician, Univ. of Michigan, Ann Arbor, Mich.

 GREENWOOD, H. THORN, Ill. (M'52-SM'54), Project Engr., RCA, Moorestown, N. J.

 GREENWOOD, H. THORN, Ill. (M'52-SM'54), Project Engr., RCA, Moorestown, N. J.

 GREENWOOD, H. THORN, Ill. (A'47-M'47), Asst. Dir., Research, Genl. Precision Lab., Inc., Pleasantville, N.Y.

 GREENWOOD, JAMES H. (A'47-M'47), Asst. Dir., Research, Genl. Precision Lab., Inc., Pleasantville, N.Y.

 GREENWOOD, JAMES H. (A'49-SM'53), Dir., Fnorm

- N.Y.

 GREENWOOD, JAMES H. (A'49-SM'53), Dir., Engrg.,
 WTAE-TV, Pittsburgh 3D, Pa.

 GREENWOOD, ORVILLE D. (S'58-M'59), Electronics
 Engr., Convair-Astronautics, San Diego, Calif.

 GREENWOOD, PAUL E., JR. (S'48-A'49-M'55-SM'56),
 Sr. Engr., Bendix-Pacific, 11600 Sherman Way, North
 Hollywood, Calif.
- Hollywood, Calif.

 GREENWOOD, RALF W. (S'44-A'49-M'55), Mgr.,
 Operations Control, Surface Communications, Defense
 Electronics Prods., RCA, Camden, N. J.

 GREENWOOD, ROBERT E. (S'52-M'57), Dev. Engr.,
 Canadian Arsenals, Ltd., 651 Warden Ave., Toronto
 13, Ohr., Canada.
- L3, vm., Canada.
 GREENWOOD, ROBERT R. (S'56-M'58), Elec. Engr.,
 GE Co., Syracuse, N.Y.
 GREENWOOD, RONALD E. (M'56), Sr. Staff Engr.,
 Sperry Microwave Electronics Co., Box 1828,
 Clearwater, Fla.

- Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.
 GREENWOOD, SAMUEL B. (S'57-M'59), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
 GREENWOOD, STANLEL W. (M'58), Designer, Craven Electronics Ltd., 212 Manningham Lane, Bradford, Yorks, England.
 GREENWOOD, T. SPENCER (S'48-A'52), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 GREENWOOD, THOMAS L. (A'53-SM'55), Supvr., Instrument & Dev. Sect., Army Ballistic Missile Agency, Huntsville, Ala.
 GREER, OAVID L. (S'51-A'55), Engr., Transistor Application Group, GE Co., Ithaca, N. Y.
 GREER, FREDERICK G. (M'56), Staff Engr., IBM, Poughkeepsle, N.Y.
 GREER, J. GORDON (S'56-M'59), Research Engr., Autonetics Div., No. Amer, Avlation, Downey, Calif.
 GREER, J. WALTER (A'41-SM'46), Head, Tubes & Semiconductor Sect., Electronics Div., Bureau of Ships, Navy Dert., Washington 25, D.C.
 GREER, LESTER H. (A'49), Pres. & Treas., Lester H. Greer, Inc., 145 E. 52 st., New York 22, N.Y.
 GREER, PALMER A. (M'56), Radio Broadcast Consultant, Rte. 1, White Horse Rd., Greenville, S.C.
 GREER, PALMER A. (M'56), Radio Broadcast Consultant, Rte. 1, White Horse Rd., Greenville, S.C.
 GREER, PALMER A. (M'56), Radio Broadcast Consultant, Rte. 1, White Horse Rd., Greenville, S.C.
 GREER, PALMER A. (M'56), Radio Broadcast Consultant, Rte. 1, White Horse Rd., Greenville, S.C.
 GREER, PALMER A. (M'56), Radio Broadcast Consultant, Rte. 1, White Horse Rd., Greenville, S.C.
 GREER, DALL H. (A'52-M'58), Project Engr., Motorola Western Military Electronics Center, 8201 E. McDowell Rd., Phoenix, Ariz.
 GREER, WALTON J. (SM'51), V.P., Research & Engrg., Welex. Inc., Box 1658, Houston 5, Tex.

- Western Military Electronics Center, 8:01 E., McDowell Rd., Phoenix, Ariz.

 GREER, WALTON J. (SM'51), V.P., Research & Engrg., Welex, Inc., Box 1658, Houston 5, Tex.

 GREER, WENDELL M. (S'56-A'58), Field Engr., Systems, IBM, Kingston, N.Y.

 GREER, WILLIAM R., JR. (M'48-SM'54), Engr., Raytheon Mfg. Co., 589 5 Ave., New York 17, N.Y.

 GREESON, JAMES H. (A'56), Owner-Operator, Tower Service, 200D Harmony Way, Evansville 12, Ind.

 GREGAL, JOHN (A'52-M'53), M/Sgt., U.S. Army, Communications Operations Specialist, Signal Office, Hors., USARPAC, APO 958, San Francisco, Calif.

 GREGG, BOYCE (S'57-M'58), Tube & Transistor Application Engr., Raytheon Mfg. Co., Bedford, Mass.

 GREGG, PAUL E. (M'58), Sales Engr., Gates Radio Co., Quincy, III.

 GREGG, RALPH C. (M'56), Electronics Engr., Army Electronic Proving Ground, Ft. Huachuca, Ariz.

 GREGOR, THOMAS P. (A'58), Quality Control Supvr., Sylvania Elec. Prods., Inc., 1891 E., 3rd St., Williamsport, Pallace Control Report Control R
- Pa.

 GREGORIAN, RAPHAEL P. (M'56), Sr. Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif. GREGORY, ARTHUR H. (S'41-A'44-M'46), Communication Prods. Mgr., Northem Electric Co., Ltd., 1600 Dorchester St., W., Montreal, P.Q., Canada.

 GREGORY, CHARLES A. (M'45-SM'54), Deputy Chief, FA & RP Branch, U.S. Army Radio Frequency Engrg. Office, Washington 25, D.C.

- GREGORY, CHARLES A., JR. (M'55), Tech. Dir., Flight Research, Inc., Box 1-F. Richmond, Va. GREGORY, CHARLES N., JR. (A'48-M'55), Engr., Pacific Telephone & T

Angeles 55, Calif.

GREGORY, CLYDE M. (A'58), Field Engr., Foreign Broadcast Information Service, U.S., Govt., 817D Riverview Rd., S.E., Washington 25, D.C.
GREGORY, EDWARD M. (S'57-M'57), Research Engr., Hughes Aircraft Co., Culver City, Calif.
GREGORY, EDWIN C. (A'50-SM'54), Sr. Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, III.
GREGORY, GEORGE D. (S'54-M'55), Elec. Engr., RCA, 11819 W. Dlympic Blvd., Los Angeles, Calif.
GREGORY, GORDON S. (A'44-SM'51), Engr., Aircraft Radio Corp., Boonton, N.J.
GREGORY, HAROLD D. (M'56), 308 Highland Ave., Manhattan Beach, Calif.
GREGORY, J. GEORGE (A'51-M'52-SM'59)

GREGORY, HAROLD D. (M'56), 308 Highland Ave., Manhattan Beach, Calif.

GREGORY, J. GEORGE (A'51-M'52-SM'58), Owner, Mrs. Rep., George Gregory Associates, 99 Elm St., West Newton 65, Mass.

GREGORY, JACK W. (A'56), Capt., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.

GREGORY, JOHN H. (M'46-SM'51), Head, Div. 4, Aviation Ordnance Dept., U.S. Navall Ordnance Test Sta., China Lake, Calif.

GREGORY, LAWRENCE A. (S'52-A'55), Project Engr., Columbia Univ., Hudson Labs., Dobbs Ferry, N.Y.

GREGORY, LERDY C. (S'56-M'57), Engr., Western Electric Co., 3 S. Latham Rd., Greensboro, N.C.

GREGORY, LUTHER W. (A'46-SM'49), Patent Atty., Westinghouse Elec. Corn., Box 746, Baltimore 3, Md.

GREGORY, NICHOLAS (S'57-M'59), Electronics Engr., National Co., 16 I Sheman St., Malden, Mass.

GREGORY, RAPHAEL M. (S'49-A'50-M'55), Tech. Rep., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 31, Pa.

GREGORY, TERENCE R. (M'55), Group Supvr., Engro., Tele-Dynamics, Inc., 5000 Parkside Ave., Philadelphia 31, Pa.

GREGORY, WILLIAM W., JR. (S'53-A'54), Supvr., Test.

GREGORY, WILLIAM W., JR. (S'53-A'54), Supvr., Test Tape Programs, Librascope, Inc., 808 Western, Glendale, Calif.

GREGSON, ALVERO C. (M'57), Design Supvr., Instruments for Industry, 101 New South Rd., Hicksville, L.I., N.Y. GREGSON, DONALD E. (M'56), Sect. Supvr., Sandia Corp., Box 969, Livermore, Calif.

Box 969, Livermore, Calif GREGSON, JDSEPH H. (S'49-A'52-M'56), Group Leader, Honeywell Controls, Ltd., Vanderhoof Ave., Toronto 17, Drt., Canada. GREIBACH, EMIL H. (A'31-SM'48), Pres., Greibach Instruments Corp., 315 North Ave., New Rochelle, N.Y. & Pres., Beechmont Electric Corp., 80 Pryer Ter., New

Pres., Beechmont Electric Corp., BU Pryer Let., New Rochelle, N.Y.
Rochelle, N.Y.
Rochelle, N.Y.
REICHEN, JOHN J. (A'58), Asst. Head, Instrumental lon Branch, U.S. Naval Underwater Ordnance Sta., Newport, R.I.
GREIF, HENRY D. (M'56), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.
GREIF, LOUIS (S'56-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
GREIG, ARTHUR W. (A'40-M'55), Engr., Mar Broadcasting Co., Tobin St., Halifax, N.S., Canada.
GREIG, CHARLES (M'51), Signals Officer, Colonial Police Force Tanganyika Police, Box 168, Dar Es Salaam, Tanganyika, East Africa.

yika, East Africa,
GREIG, JAMES (A'30-SM'46), Prof., Elec. Engrg., King's
College, London Univ., Strand, London, W.C. 2, England.
GREIG, JOHN H. (A'43-M'55), Pres., Physics Development
& Mfg. Corp., 29 W. 26 St., New York 10, N.Y.
GREIG, WILLIAM J., JR. (A'55), Engr., RCA Semiconductor
DIV., Rte. 202, Somerville, N.J.
GREIM, ROBERT E. (A'56), Staff Mem., MIT, Lincoln
Lab., Lexington 73, Mass.

GREIN, ALVIN E. (S'57-A'58), Technician, Canadian Armanent Research & Development Est., Box 1427, Valcartier, P. Q., Canada

P. Q., Canada.

GREINER, RICHARD A. (S'55-M'58), Asst. Prof., Univ. of Wisconsin, Madison, Wis.

GREIS, WILLIAM F. (A'50), Mgr., Prod. Planning, Electronics & Domestic Appliance Dept., GE S. A., Ave. Industrial 700, Sao Paulo, Brazil.

GRELCK, HARRY L. (A'42-M'46), Field Supvr. in Chg. Field Operations, Radio Tech. Operations, NBC, Radio City, New York 20, N.Y.

GREMER, CHARLES C. (S'53-M'56), Papir Officer, USS.

City, New York 20, N.Y.

GREMER, CHARLES E. (S.3-M'56), Repair Officer, USS Hooper Island (ARG-17), FPO, San Francisco, Calif.

GRENIER, GEORGE H. (M'53), Advanced Prod. Engr., GE Co., W. Genesee St., Auburn, N. Y.

GRENIER, THEODORE B. (A'43-M'55), Chief Engr., Western Oiv., American Broadcasting Co., 4151 Prospect Ave., Hollywood 27, Calif.

GRENIER, THOMAS J. (S'49-A'50-M'57), Assoc. Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

GRENIER, THOMAS J. (S'49-A'50-M'57), Assoc. Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

GRENLY, MARK (A'55), Chief Engr., Neosid, Ltd., Welwyn Garden City, Herts., England.

GRESCHEL, RICHARD A. (A'58), 540 Purcell Ave., Cincinnati S, Ohio.

GRESHAM, STOKES, JR. (SM'56), V.P. & Chief Engr., Universal Broadcasting Co., Inc., 1440 N. Meridan St., Indianapolis, Ind. GRESKO, JOHN J. (M'51), Mgr., Genl. Mfg., Sonotone Corp., Elmsford, N. Y.

GRESKO, JOHN J. (M'51), Mgr., Genl. Mfg., Sonotone Corp., Elmsford, N. Y.
GRETSCH, WILLIAM R. (M'57), Elec. Engr., Aircraft Radio Corp., Boomton, N. J.
GRETZ, RICHARO W. (S'51-A'52-M'57), Sr. Engr., Sperry Gyrscope Co., Great Neck, L.I., N.Y.
GREULICH, HARRY J. (A'48), TechRep., Philo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
GREUNKE, ORVILLE V. (SM'58), Elec. Engr., Norden Labs., 121 Westmoreland, White Plains, N.Y.
GREVEN, PHILIP J. (M'50), Aeronautical Systems (Telecom) Specialist, RCA, Internat. 10iv., Terminal & Central Ave., Clark, N.J.
GREVER, JEROME L. (S'50-A'51-M'5A)

Clark, N.J.
GREVER, JEROME L. (S'50-A'51-M'56), Engr. Supvr.,
RCA, Camden, N.J.
GREVIOUS, JOSEPH S. (M'58), Assoc. Engr., Sperry
Gyroscope Co., Great Neck, L.I., N.Y.

- GREW, LAWRENCE B. (A'41-SM'49), Transmission & Outside Plant Engr., Southern New England Telephone Co., 227 Church St., New Haven 6, Conn.
- GREY, ARTHUR J. (M'56), Dev. Engr., ITT Labs., Nutley GREY, ROMER (M'56), Mem. Tech. Staff, RCA, Waltham, Mass.
- GREY, THDMAS G. (A'54), Asst. Chief Engr., Test Equip ment, Bendix Aviation Corp., Box 1159, Kansas City 41, Mo.

memt, Bendix Aviation Corp., Box 1159, Kansas City 41, Mo.

GRIB, BORIS F. (A'45-M'55), Pres., Philamon Labs., Inc., 90 Hopper St., Westbury, L.I., N.Y.

GRIBBEN, JAMES C., JR. (A'52), Process Engr., Sarkes Tarzian, Inc., E. Hillsde Dr., Bloominston, Ind.

GRIBBLE, ROBERT F. (S'54-M'57), Instr., Elec. Engrg., Univ. of Texas, Austin, Tex.

GRICE, CHARLES F. (M'54), Location Mgr., Schlumberger Well Surveying Corp., 1319 N. Dixie Hwy., Tyler, Tex.

GRIDER, JOHN M. (M'56), Capt., USN, Home: 3801

Nebraska Ave., N.W., Washington, D.C.

GRIDER, KELLY V. (S'57-M'59), Aerophysics Engr., Convair, Ft. Worth, Tex.

GRIDLEY, CECIL J. (M'57), Electronics Engr., Minneapolis-Honeywell Regulator Co., 10721 Hamma St., Beltsville, Md.

GRIDLEY, DARRIN H. (A'49-M'55), Chief Engr., Digital Systems Dept., Maico Electronics, Inc., 23 N. 3rd St., Minneapolis 1, Minn.

GRIECO, LOUIS (M'58), Elec. Engr., I.T.E. Circuit Breaker

Minneapolis J, Minn.

GRIECO, LOUIS (M'58), Elec. Engr., I.T. E. Circuit Breaker
Co., 601 E. Erie Ave., Philadelphia, Pa.

GRIEDER, EMIL A. (A'58), Liaison Technician, Electronic
Communications, Inc., 51. Petersburg, Fla.

GRIEG, DONALD D. (A'41-5M'44), Pres., Electronics
Research Associates, Inc., 67 Factory Pl., Cedar Grove, N.J.
GRIEMSMANN, JOHN W.E. (A'45-M'55-5M'57), Assoc.
Dir., Microwave Research Institute, Polytechic Institute of
Brooklyn, 55 Johnson St., Brooklyn 1, N.Y.

GRIER, ETMADD W. (MISO). Electronics Factory Pl., Company Philadelphia (MISO).

Brooklyn, 55 Johnson St., Brooklyn 1, N.Y.

GRIER, EDWARD W. (M'59), Electronics Engr., Philoco Com., C & Tioga Sts., Philadelphia 34, Pa.

GRIER, MILBURN B. (SM'57), Sr. Engr., Nortronics Div., Northron Comp., Hawthome, Calif.

GRIERSON, C.A.W. (SM'45), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

GRIESE, RAYMOND H. (A'41), Sr. Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif.

GRIESER, T.J. (M'46), Resident Tech. Dir., Bell Tel. Labs., Box 609, Cape Canaveral, Fla.

GRIESER, THDMAS F. (A'53-SM'58), V.P., Mfg., Electronic Communications, Inc., Box 359, St. Petersburg, Fla.

GRIESIR, GROCO N. (A'59), Mgr., Experimental Model Shop, Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.

GRIEST, FLOWARD M. (M'56), Research Assoc., Coming

St. Petersburg, Fla.
GRIEST, EDWARD M. (M'56), Research Assoc., Corning
Glass Works, Corning, N.Y.
GRIEST, R. HOWARD (M'56-SM'56), Chief Scientist,
Systems Dev. Labs., Hughes Aircraft Co., Culver City, Calif.
GRIEVE, WILLIAM R. (S'52-M'53-M'58), Sr. Project
Staff Engr., Autonetics Div., No. Amer. Aviation,
Downey, Calif.

Staff Engr., Autonetics DIV., No. Amer. Aviation, Downey, Calif.

GRIFFEE, FRED M. (S'54-M'57), Electronics Engr., ITT Labs., Nutley 10, N.J..

GRIFFEN, KENNETH A. (A'50), Sr. Elec. Engr., Johnson Electrical Corp., 214 E., 26 St., New York 10, N. Y.

GRIFFIN, ARTHUR T. (A'44), Transmitter Engr., WABC-TV, 350 5 Ave., New York 1, N.Y.

GRIFFIN, CARLTON E. (S'57-M'59), 55 Vesta Circle, Melbourne. Fla.

Melbourne, Fla.

GRIFFIN, COLLIS H., JR. (S'56-M'57), Mathematical Engr., Lockheed Aircraft Corp., Marietta, Ga.

GRIFFIN, DANIEL J., JR. (S'55-M'56), Sr. Electronics Engr., Marquard Aircraft Co., 2709 Garey, Pomona, Calif.

GRIFFIN, DON C. (A'45), Partner & Mgr., Swan's Furniture, 108 E. 5 St., North Platte, Neb.

GRIFFIN, EARL F. (S'55-A'57), Electronics Research Engr., Hughes Aircraft Co., Culver City, Calif.

GRIFFIN, EARL H. (S'56-M'58), Airborne Fire Control Engr., 131 N. 50 St., Philadelphia, Pa.

GRIFFIN, EUGENE H. (S'55-M'57), Electronics Engr., Texas Instruments, Inc., 600D Lemmon Ave., Oallas 9, Tex.

GRIFFIN, GERALO G. (A'58), 1616 Walnut St., Philadelphia 3, Pa.

GRIFFIN, GERALD J., JR. (A'51-M'56), Design Engr., GE Co., Schenectady, N.Y.

GRIFFIN, J. TYLER (M.59), Pres., Tyler Griffin Co., 32 S. Fairfield Rd., Devon, Pa. GRIFFIN, JAMES E. (S'51-A'53-M'57), Research Assoc., Oept. of Physics, Iowa State College, Ames, Iowa. GRIFFIN, JAMES F. (M'57), Assoc. Engr., IBM, Pough-

keepsie, N.Y.

GRIFFIN, JAYW. (A'53), Electronics Field Engr., Hoffman
Electronics Corp., 3761 S. Hill St., Los Angeles 7, Calif
GRIFFIN, JOHN P. (M'58), Components Engr., W. L., Maxson Corp., 460 W. 34 St., New York 1, N. Y.
GRIFFIN, LINDON L. (S'50-A'51-M'56), Head, Systems
Equipment Branch, Oata Processing Systems Giv., Navy
Management Office, Navy Dept., Washington 25, O.
CPLEFIN MOFI 1 (SER_MISQ) Fingr. Collins Radio Co-

GRIFFIN, NOEL J. (5'58-M'59), Engr., Collins Radio Co., Cedar Ranids, Iowa. GRIFFIN, PERVY W. (M'53), Branch Chief, Olamond Ordnance Fuze Labs., Washington 25, D.C.

Fuze Labs., Washington 25, D.C.

GRIFFIN, REGINALO E. (M'59), Lecturer, Elec. Engr.
Opt., Bristol College of Technology, Ashley Down Rd.,
Bristol 7, England.

GRIFFIN, ROBERT C. (M'57), Decco, Inc., 4308 Maple
Ave., Dallas 20, Tex.
GRIFFIN, RUSSELL E. (S'48-A'51-M'56), Test Engr.
(Instrumentation), New York Airbrake Co., Kalamazoo, Mich.
GRIFFIN, SAM J. (S'43-A'45-M'55), Special Engra. Mgr.,
Hi Q Oiv., Aerovox Corp., Seneca St., Olean, N.Y.
GRIFFIN, WADE H. (A'58), 5235 Willowood Dr.,
Cincinnati 38, Ohio.

GRIFFIN, WALTER I. (S'50-A'53-M'59), Deccal Engra.

Cincinnati 38, Ohio.

CRIFFIN, WALTER J. (S'50-A'53-M'58), Dev. Engr.,
Raytheon Mfg. Co., Waltham 54, Mass.

GRIFFIN, WILBORN G., JR. (S'53-A'54), Computer Technician, Burroughs Corn., 511 N. Broad St., Philadelphia, Pa.

GRIFFIN, WILLIAM O. (S'57-M'58), Sr. Engr., Analyst,
Haller, Raymond & Brown, Inc., State College, Pa.

GRIFFIN, WILLIAM F. (M'51-SM'55), Engrg. Supvr.,
RCA, Harrison, N.J.

GRIFFING, BURGDYNE L. (M'44-SM'47), Physicist, USAF, Wright-Patterson AFB, Ohio.
GRIFFING, WILLIAM R. (A'54), Color TV Engr., CBS, Television City, Hollywood, Calif.
GRIFFING, WILLIAM W. (A'46-M'55), Project Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.
GRIFFITH, ARTHUR T. (S'56-A'58), Electronics & Instrumentation Engr., Continental Aviation & Engrg. Corp., 12700 Kercheval Ave., Detroit 14, Mich.
GRIFFITH, B. WHITFIELD, JR. (S'36-A'42-SM'51), Mgr., Electronic Equipment Div., General Electrodynamics Corp., 4430 Forest Lane, Garland, Tox.
GRIFFITH, BEN H., JR. (A'45-M'52-SM'56), Sr. Design Engr., Westinghouse Elec. Corp., Electronics Plant, Friendship Airport, Linthicum Md.
GRIFFITH, BENJAMIN G. (A'38-VA'39-SM'54), Asst.
Supt., Prod. Research Teletype Corp., 1400 Wrightwood Ave., Chicago 14, III.
GRIFFITH, BROOKS D. (A'43-M'54), Elec. Engr., RCA,

Ave., Chicago 14, III.

GRIFFITH, BROOKS D. (A'43-M'54), Elec. Engr., RCA, Camden 2, N.J.

GRIFFITH, CHARLES D. (S'50-A'52-M'57), Project Engr., Kearfott Co., Inc., 14844 Oxnard St., Van Nuys, Calif.

GRIFFITH, CHARLES G. (M'57), Elec. Engr., Lenkurt Electric Co., 1105 Old County Rd., San Carlos, Calif.

GRIFFITH, CHARLES H. (A'55), V.P. Internatl. Resistance Co., 401 N. Broad St., Philadelphia, Pa.

GRIFFITH, ERNEST S. (S'57-M'59), Electronics Systems Test Engr., Remington Rand Univac, St. Paul 16, Minn.

GRIFFITH, F. WILLARD, II (S'53-A'54-M'56), Program Mgr., Motorola, Inc., 145D N. Cicero, Chicago, III.

GRIFFITH, JOHN E. (S'48-A'51-SM'58), Research Engr., IBM Research Center, Poughkeepsie, N.Y.

GRIFFITH, JOSEPHW, (A'54), Owner, Electro-Glass Lab.,

IBM Research Center, Poughkeepsie, N.Y.
GRIFFITH, JOSEPH W. (A'54), Owner, Electro-Glass Lab.,
4000 S.W. 114 St., Beaverton, Ore.
GRIFFITH, KELLEY E. (M'56), Atty-at-law, Kirkland &
Fleming World Center Bldg., 16 & K Sts., N.W., Washington 5, D.C.
GRIFFITH, MERRILL H. (A'31-VA'39), Supvy. Elec. Electronics Specialist, Dept. of Commerce, FAA, 4th Regional
Office, Air Carrier Div., 5651 W. Manchester Ave., Los

Anoeles 45, Calif.
GRIFFITH, MILLARD E. (SM'55), Chief, Test Control Branch, WS-315A, Project Div., Ballistic Missile Div., ARDC, Cape Canaveral, Fla.

Canaveral, Fia.

GRIFFITH, PAUL E. (A'45-M'46-5M'52), Chief, Special
Engro. Branch, U.S. Army Signal Research & Development
Lab., Ft. Monmouth, N.J.

GRIFFITH, RICHARD D. (S'55-M'56), Staff Mem., Sandia
Corp., Sandia Base, Albuquerque, N.M.
GRIFFITH, SAMUEL D. (M'59), Designer 'A', Douglas Aircraft Co., El Seuundo, Calif.

GRIFFITH, WILBUR A. (A'55), V.P., Hydronic Co., 12685 Amold, Detroit 39, Mich. GRIFFITH, WILLIAM A. (S'49-A'5D-M'55), Sr. Engr., Guidance & Control Design Dept., Chrysler Corp., Missile Operations, Box 2628, Detroit, Mich.

Operations, Box 2628, Detroit, Mich.

GRIFFITHS, FREDERICK J. (S'52-A'53-M'58), Field Supvr., Hughes Aircraft Co., Culver City, Calif.

GRIFFITHS, HERBERT D. (S'49-A'51-M'56), Mem. Tech. Staff, Bell Tel. Labs., North Andover, Mass.

GRIFFITHS, JOHN D. (A'58), 1st Lt., USAF Project Officer, Rome Air Development Center, Rome, N.Y.

GRIFFITHS, OWEN H. (M'54), Pres., yan Sickle Radio Co., 1113 Pine St., St. Louis 1, Mo.

GRIFFITHS, RICHARD J. (SM'56), V.P., Raritan Industries Corp., 20 1st St., Keyport, N.J.

GRIFFITHS, RICHARD W. (M'46), Dir., Sales, Litton Industries Component Div., 5873 Rodeo Rd., Los Angeles 16, Calif.

GRIFFITHS, WILLIAM H. F. (M'272-SM'43), Chief Foor.

Calif.

GRIFFITHS, WILLIAM H. F. (M'27-SM'43), Chief Engr.,
H. W. Sullivan, Ltd., Leo St., London, S.E. 15, England.
GRIFFITHS, WILLIAM W., JR. (S'52-A'53-M'58), Engr.,
Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
GRIGG, JAMES W. (A'31), Electronics Research Physicist,
Engr., Consultant, 9889 Ramona Ave., Montclair, Calif.
GRIGG ROBERT W. (A'43-M'55), Plant Extension Engr.,
The Pacific Telephone & Telegraph Co., 620 "C" St.,
San Diego 1, Calif.
GRIGGS, JOHN O. 18, (S'56-M'59), Elec. Engr., Bre.

GRIGGS, JOHN O., JR. (S'56-M'58), Elec. Engr., Burroughs Corp., 41100 Plymouth Rd., Plymouth, Mich. GRIGGS, JOHN R. (SM'55), Pres. & Chief Engr., Griggs Electric Co., 3661 Buckingham Rd., Los Angeles 16, Calif. GRIGGS, ROBERT W. (M'57), Sr. Electronics Engr., Packard-Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.

64, Calli.

GRIGGS, WARREN M. (S'57-M'58), Assoc. Engr., Boeing
Airplane Co., Box 107, Seattle 14, Wash.

GRIGNON, L. O. (SM'45), Dev. Engr., Twentieth Century
Fox Films, Inc., Box 900, Beverly Hills, Calli.

GRIGORAKI, NICHOLAS M. (S'51-A'53-M'57), Electronics
Engr., Marine Oiv., Sperry Gyroscope Co., Carle Place,
L.I., N.Y.

Engr., Mari L.I., N.Y.

L.I., N.Y.

CRICSBY, JOHN L. (SM'56), Research Assoc., Stanford Univ., Applied Electronic Lab., Stanford, Calif.

CRICSBY, LEONARO L. (M'58), Instr., Elec. Engrg., Texas Technological College, Lubbock, Tex.

GRIGSBY, THOMAS N. (S'52-A'54-M'59), Research Engr., Denver Research Institute, Univ. of Denver, Oenver 10, Colo.

GRILL, CHARLES (A'48), Tech. Writer, Ordnance Corps.

U.S. Govt. Home: 22 Concord Ave., Metuchen, N.J.

GRILL, FRANCIS J. (A'53), TV Transmitter Engr., KHJ-TV, Don Lee Broadcasting System, 1313 N. Vine St., Hollywood 28, Calif.

CRILL, JOSEPH J. (M'58), Chym. Eloc. Deck. Academy of CRILL, JOSEPH J. (M'58), Chym. Eloc. Deck.

CRILLI, JOSEPH J. (M'58), Chmm., Elec. Dept., Academy of Aeronautics, La Guardia Airport, Flushing 71, L.I., N.Y.
CRILLMEIER, EARL J., JR. (A'52), Sr. Elec. Design Engr., Natl. Cash Register Co., Main & K. Sts., Dayton 9, Ohio.
GRIM, EARL O. (M'58), Prod. Design Engr., RCA, Camden, N.J.

GRIM, WILLIAM M., JR. (S'46-A'49-M'55), Engr., Genl. Electronic Labs., Inc., 18 Ames St., Cambridge 42, Mass. GRIMAILA, ALGERT G. (S'48-A'51-M'56), Asst. Chief Engr., Defense Systems Lab., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

GRIMOITCH, WILLIAM H. (A'36-SM'43), R.O. 1, Lake Ariel, Pa. GRIME, RICHARD (S'56-M'57), Jr. Engr., Lansdale Tube Co. Phileo, Spring City, Pa.

GRI-GRO - 197 -

- GRIMES, DALE M. (M¹58), Asst. Prof., Univ. of Michigan, Ann Arbor, Mich.
- Ann Arbor, Mich.

 GRIMES, EDGAR S., JR. (S'53-A'55-M'58), Sr. Engr.,
 Sperry Microwave Electronics Co., Box 1828, Clearwater,
 Fla.

- Fla.
 GRIMES, JAMES S. (M'56), Engr., Westinghouse Elec.
 Corp., Box 1897, Baltimore 3, Md.
 GRIMES, JOHN W., JR. (M'57), Group Engr., Systems Analysis, The Martin Co., Orlando, Fla.
 GRIMES, WILLARD M., JR. (A'51–M'57), Sr. Engr., Lamp
 Div., Equipment Engr., Westinghouse Elec. Corp., Bloomfield, N.J.

- Div., Guipment Engr., Westinghouse Elec. Corp., Bloom-field, N.J.

 GRIMES, WILLIAM H. (M'58), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 GRIMES, WILLIAM J. (A'55), Sr. Engr., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills. Calif.

 GRIMES, WILLIAM P. (M'59), Instr., Oregon Technical Institute, Klamath Falls, Ore.

 GRIMM, ALBERT C. (M'48-SM'51), Mgr., Power Tube Advanced Dev., RCA, Lancaster, Pa.

 GRIMM, DONALD S. (S'58-M'59), Engr., GE Co., Syracuse, N.Y.

 GRIMM, EUGENE M. (A'45-M'51), Tech. Staff Assoc., Bell Tel. Labs., Box 609, Cocoa, Fla.

 GRIMM, FREDERICK W. (A'57), Head, Reconnalssance Systems Group, Systems Development Corp., 7500 Xenia Pike, Dayton 32, Ohio.

 GRIMM, HENRY H. (A'44-M'52-SM'58), Consulting Engr., Microwaves, GE Co., Syracuse, N.Y.

 GRIMM, RALPH E. (J'41-A'43-M'49), Dir., Engrg., Nems-Clarke, Inc., 919 Jessup Blair Dr., 3ilvet Spring, Md.

 GRIMM, ROBERT A. (S'49-A'51-SM'56), Production Mgr., Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif.

 GRIMM, ROBERT A. (S'53-A'54), Project Engr., AC Spark Plug Div., 1300 Dort Hwy., Flint 2, Mich.

 GRIMM, ROBERT S. (A'51-M'57), Elec. Engr., GE Co., Ulcia, N.Y.

 GRIMM, TUsloo Det. 8. APO 294. New York N.Y.
- Utica, N.Y.
 GRIMME, JENRY J. (S'54-M'55), 2nd. Lt., USAF,
 Engr., Tuslog Det. 8, APO 294, New York, N.Y.
 GRIMMER, ROBERT C. (S'57-M'58), 274D Watson
 Blvd., Endicott, N.Y.
 GRIMMETT, CHARLES A. (S'48-A'5D-M'54-SM'56),
 Component Engr., Hughes Aircraft Co., Culver City, Calif.
 GRIMMETT, LEONARD J. (S'50-A'51-M'56), Electronics
 Engr., FAA, Atlantic City, N.J.
 GRIMSLEY, JDE E. (A'58), 8201 Cherry, Kansas City,
 Mo.

- Mo.

 GRIMSTAD, EDWIN J. (A'43), Project Engr., Stelma,
 Inc., 190 Henry St., Stamford, Conn.

 GRIMZA, EDGAR (S'58-A'59), Technician, Microwave
 Research Institute, 55 Johnson St., Brooklyn 1, N.Y.

 GRINDHEIM, EARL A. (S'48-A'49-M'58), Elec. Engr.,
 Rosemount Engrg. Co., 9424 Lyndale Ave., S.,
 Minneapolis 2D, Minn.
- GRINDLE, CARL E. (M'52-SM'55), Project Staff, Convair-Astronautics, San Diego, Calif. GRINER, LONNIE A., III (S'56-M'59), Electronics Installation Engr., FAA, 5651 W. Manchester, Los Angeles, Calif.
- Angeles, Calif.

 GRINICH, VICTOR H. (S'5D-A'52-M'57), Head, Application Engra., Fairchild Semiconductor Corp., 844 Charleston Rd., Palo Alto, Calif.

 GRINIUS, LEO L. (M'57), Electronics Project Engr., Motorola, Inc., Research Lab., B330 Indiana Ave., Riverside, Calif.

 GRINNELI APTHUR

- Riverside, Calif.

 GRINNELL, ARTHUR L. (A'46-M'53), V.P., Grinnell-Harris Electronics, Inc., 4130 Temple City Bivd., Rose-mead, Calif.

 GRINNELL, CLIFFORD W. (S'55-M'56), Electronics Engr., Minneapolis-Honeywell Regulator Co., Seattle Development Lab., 1121 Westlake N., Seattle, Wash.

 GRINOCH, ABRAHAM (A'54), Chief, Engrg. Analysis Group, Picatinny Arsenal, Dover, N.J.

 GRISAMORE, NELSON T. (A'53-M'58), Assoc. Prof., Dept. of Elec. Engrg., The George Washington Univ., Washington 6, D.C.

 GRISANTI, JOSEPH L. (A'48), Engr. WARRANTI, WARRAN

- GRISANTI, JOSEPH L. (A'48), Engr., WBBM-TV, 630 N. McClorg St., Chicago, III.
 GRISETTI, ROBERT S. (S'49-A'50-M'55), Mgr., Advanced System Engrg., Defense Systems Dept., GE Co., Syracuse, N.Y.
- m.Y.
 GRISS, CHARLES H. (M'49), Physicist, Libbey Owens
 Ford Glass Co., 17D1 E. Broadway, East Toledo, Ohio.
 GRISSLER, HERMANW. (M'46), Sr. Engr., Public Service
 Electric & Gas Co., 8D Park Pl., Newark, N.J.
 GRISWOLD, AUBREY L. (A'56), Asst. Purchasing Agent,
 Smalley's Radio, Ltd., 11D5 7 Ave., W., Calgary,
 Alta., Canada.
- Alta., Canada.

 GRISWOLD, DAVID M. (M'56), Engrg. Mgr., RCA
 Semiconductor & Materials Div., Somerville, N.J.
 GRISWOLD, FRED B. (M'56), Electronics Engr., RCA,
 11819 Olympic Blvd., West Los Angeles, Calif.
 GRISWOLD, JOHN H. (M'56), Engr., GE Co., Utica, N.Y.
 GRISWOLD, THOMAS W. (M'55), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 GRISWOLD, WALLACE R. (M'56), Mech. Croup Head,
 Collins Radio Co., Cedar Rapids, Iowa.
 GRITTON, DAVIS M. (S'50-A'52-M'57), Engr., GE Co.,
 Cincinnati 15, Ohio.
 GRITTON, RICHARD D. (A'57), 1242 S. 56 Ct., Cicero
 50, III.

- 5D, III.

 GRITZMACHER, DONALD E. (S'53-M'56), Instr., Elec. Engru., Univ. of Wisconsin, Madison 6, Wis.

 GRIVET, PAUL E. (M'52), Missile Engr., Army Rocket & Gulded Missile Agency, Redstone Arsenal, Ala.

 GRIVET, PIERRE A. (A'49), Prof. of Radio Electronics, Sorbonne Univ., Boite Postale 9, Fontenay aux Roses, Seine, France.
- Seine, France.
 GRIZZEL, RAY W., JR. (S'55-M'57), Genl. Del., Great
 Neck, L.I., N.Y.
 GROB, BERNARD (M'46), Instr., Tech. Writer, RCA
 Institutes, Inc., 35D W. 4 St., New York 14, N.Y.
 GROBECKER, ALAN J. (S'43-A'45-M'48), Project Engr.,
 Autonetics Div., No. Amer. Avlation, Downey, Calif.
 GROBERG, LYLE R. (M'57), Prod. Planning Engr.,
 Lenkurt Electric Co., Inc., 1105 County Rd., San
 Carlos, Calif.

- GROBOWSKI, ZIGMUND V. (S'46-A'50-M'55-SM'57), Head, Engrg. Sect., Jansky & Bailey, Inc., 1339 Wisconsin, N.W., Washington, D.C. GROCE, DOUGLAS C. (S'49-A'51-M'56), Assoc. Engr., IBM, Poughkeepsie, N.Y. GROCE, JACK L. (M'56), Dev. Engr., IBM, Kingston,

- GROCE, JONGLAS C. (S. 47-A. 51-M. 95), Association, IBM, Poughkeepsie, N.Y.

 GROCE, JACK L. (M'56), Dev. Engr., IBM, Kingston, N.Y.

 GROCE, JOHN C. (S. 47-A. 51-M'55-SM'55), Exec. Engr., ITT Labs., Nutley 10, N.J.

 GRODER, MORRIS L. (A. 48-SM'53), Project Engr., Control Instrument Co., 67 35 st., Brooklyn 32, N.Y.

 GRODINSKY, SAMUEL (A. 45-M'54-SM'57), Electronics Engr., Supy., U.S. Naval Training Device Center, Sands Point, Port Washington, L.I., N.Y.

 GROEGER, EUGENE R. (S'56-M'58), Elec. Engr., Iron Fireman Mfg. Co., 2838 S.E. 9 Ave., Portland 2, Ore.

 GROENDYKE, ROBERT W. (S'57-M'59), Design Engr., Admiral Corp., 1925 Springfield, Chicago, III.

 GROFF, ELWOOD M. (A'54), Sr. Elec. Engr., Melpar, Inc., 3DDD Arington Blvd., Falls Church, Va.

 GROFF, HAROLD A. (S'56-M'58), Field Project Coordinator, RCA, Camden, N.J.

 GROFF, J. HERBERT (M'57), Mech. Design Engr., RCA, Camden, N.J.

 GROGAN, WILLIAM R. (SM'59), Elec. Engrg. Oept., Worcester Tech., Worcester 9, Mass.

 GROGER, GAYLORD M. (A'57), Components Engr., Bendix Aviation Corp., Box 1159, Kansas City, Mo.

 GROGINSKY, HERBERT L. (S'51-A'53-M'58), Staff Engr., Raytheon Mfg. Co., Wayland, Mass.

 GRONBERG, FREDERICK T. (M'58), Electronics Technician, Convair, Ft. Worth, Tex.

 GRONBERG, HOWARD C. (A'38-VA'39), Supvr. of TV Transmission, NBC, 30 Rockefeller Plaza, New York, N.Y.

 GRONEMEIRE, HOWARD J. (A'52), Engr., Raytheon Mfg. Co., Waltham, Mass.

 GRONER, PAUL S. (S'56-A'56), Electronics Technician, Amperex Electronic Corp., 230 Duffy Ave., Hicksville, L.I., N.Y.

 GRONEND MORE D. S. (A'51), Research Engr., Micro-
- Amperex Electronic Corp., 230 Duffy Ave., Hicksville, L.I., N.Y.
 GRONLUND, ARTHUR G. (A'57), Electronics Technician, Telephonic's Corp., Park Ave., Huntinaton, L.I., N.Y.
 GRONLUND, MOGENS P. S. (A'51), Research Engr., Microwave Lab., Danish Academy of Tech. Science, Ostervoldgade 10G, Copenhagen K, Denmark.
 GRONLUND, ROBERT A. (M'58), Sr. Research Engr., Missile Div., No. Amer. Avlation, Downey, Calif.
 GRONNER, ALFRED D. (S'40-A'46-SM'50), Mgr., Elec. & Control, Tech. Staff, American Machine & Foundry Corp., 11 Bruce Pl., Greenwich, Com.
 GRONOSKY, CLIFFORD F. (S'55-M'59), Elec. Engr., Sylvania Electronic Systems, 189 B St., Needham, Mass. GRONROS, EINO O. (A'49), Group Leader, RCA Missile Electronics & Controls Dept., Box 588, Burlinoton. Mass. GRONSTAND, TOR L. (S'56-A'57), Engr., Dept., Rotor Electric Co., Ltd., 195 Rexdale Blvd., Toronto 15, Ont., Canada.
 GROO, HAYES R., III (M'57), Engr., Westinghouse Elec.

- Canada .

 GROO, HAYES R., III (M'57), Engr., Westinghouse Elec .
 Corp., Box 284, Elmira , N.Y.
 GROOME, GEORGE R. (S'44-A'45-M'51), Radio Engr.,
 Canadian Paclific Communications , 1255 Phillips Sq.,
 Montreal, P.Q., Canada
- GROOME, GILBERT L. (A'58), Electronics Tech. Specialist, Northern Electric Co., Ltd., 1000 Guy St., Montreal, P.Q., Canada.

- Canada.

 GROOMS, WAYNE G. (A/58), Logistics Officer, USAF, Westover AFB, Chicopee Falls, Mass.

 GROOMS, WAYNE G. (A/54), Engr., RCA, Camden, N.J.

 GROON, JOHN G. (A/54), Engr., RCA, Camden, N.J.

 GROOTHUIS, STANLEYE. (S/52-A/53-M/58), Engr., Union Carbide Nuclear Co., Box Y, Oak Ridge, Tenn.

 GROPP, BERNARD P. (A/57-M/59), Group Leader, Engr., Weston Instruments Div., Daystrom, Inc., 614 Frelinghuysen Ave., Newark, N.J.

 GROS, JAMES R. (M/53), Asst. Head, Computation Div., Naval Proving Ground, Dahlgren, Va.

 GROSBAUM, EUGENE (M/57), Polect Engr., Bogue Electric M/g. Co., 52 Iowa Ave., Paterson 3, N.J.

 GROSCH, HERBERT R. J. (SM/53), Asst. to Dir., Data Processing, Sales Services, IBM, 590 Madison Ave., New York 22, N.Y.

 GROSH, JOHN B., III (M/56), Desion Engr., RCA, Langesta.
- GROSH, JOHN B., III (M'56), Design Engr., RCA, Lancaster,
- Pa.
 GROSHAUS, MAURICIO L. (M'59), Apartado Del Este 1D5D7, Caracas, Venezuela.
 GROSS, ALFRED M. (A'57), Telemetry Design Engr., GE Co., 3198 Chestnut St., Philadelphia, Pa.
 GROSS, DAVID T. (M'55), Design & Dev. Engr., RCA, Camden, N.J.

- CROSS, DAVID T. (M'55), Design & Dev. Engr., RCA, Camden, N.J.

 GROSS, EMANUEL H. (S'51-A'53-M'58), Sr. Microwave Engr., Dalmo Victor, 1515 Industrial Way, Belmont, Calif.

 GROSS, ERVIN E., JR. (A'43-SM'46), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 GROSS, FRANCIS J. (A'46-M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St.. New York 14, N.Y.

 GROSS, FRANZ F. (A'58), Entwicklungsingenieur, Siemens u. Halske, Marlinstr. 76, Munchen, Germany.

 GROSS, FREDERICK A. (A'46-M'55), Chief Engr., Industrial Measurements Corp., 250 N. Thomas St., Pomona, Calif.

 GROSS, FRITZ, A. (A'36-VA'39), Dir., Engr., Equipment Div., Raytheon Mig. Co., Wayland, Mass.

 GROSS, GRALD C. (4'72-M'430-S'M'43-F'157), Acting Secy. Genl. Internatl. Telecommunication Union, Palais Wilson, Genexy, Switzerland.

 GROSS, H. GERALD C. (SM'57), Sr. Engr., Tube Research.

- Geneva, Switzerland.

 GROSS, H. GERALD (SM'57), Sr. Engr., Tube Research & Dev., Edgerton, Germeshausen & Grier, 160 Brookline Ave., Boston 15, Mass.

 GROSS, IRWIN (S'55-M'57), Grad. Asst., Case Institute of Technology, 10900 Euclid Ave., Cleveland 6, Ohio.

 GROSS, JEROME (A'52-M'57), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- GROSS, JOSEF (S'55-M'57), Research Engr., RCA Labs., Princeton, N.J. GROSS, JOSEPH (M'57), Assoc. Engr., Electronics, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- GRDSS, JOSEPH I. (A'54), Owner & Serviceman, Jig's Radio & TV Service, 155 Hansbury Ave., Newark 12, N.J. GRDSS, JULIAN E. (S'50-A'51-SM'56), Staff Mem., Sandia Corp., Sandia Base, Albuquerue, N.M. GROSS, LEO (M'52), 36-11 217 St., Bayside, L.I., N.Y. GROSS, MARVIN A. (S'55-M'57), Physicist, Philco Corp., C & Tioga Sts., Philadelphia 34, Pa. GROSS, ROBERT D. (S'49-A'51-M'56), Project Supvr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

- 1, N.Y.
 GROSS, SAMUEL D. (A'52-M'57), Leader, BMEWS System Growth, Missile & Surface Radar Dept., Defense Electronic Prods., RCA, Moorestown, N.J.
 GROSS, SHERMAN B. (S'53-A'55), Process & Dev. Engr., Gent. Transistor Co., Inc., 130-11 90 Ave., Richmond Hill, L.I., N.Y.
- HIII, L.I., N.Y.
 GROSS, STANLEY H. (S'44-A'46-M'55-SM'56), Div.
 Chief, Fairchild Astrionics Div., Wyandanch, L.I., N.Y.
 GROSS, T. A. O. (M'45), Mgr., Electronic Dev. Det.,
 Missile & Radar Div., Raytheon Mfg. Co., Bedford, Mass.
 GROSS, THOMAS W. (M'58), Research Engr., Lockheed
 Missile & Space Div., Palo Alto, Calif.

- Missile & Space Div., Palo Alto, Calif.
 GROSS, VICTOR (A'46), Pres., Sterling Transformer Corp., 297 N. 7 St., Brooklyn, N.Y.
 GROSS, WILLIAM (S'54-A'55), Project Engr., Electro-Instruments, Inc., 3540 Aero Ct., San Diego, Calif.
 GROSSE, KENNETH E. (A'58), Electronics Engr., W.M.
 Welch Mfg. Co., 1515 Sedgwick St., Chicago 10, Ill.
 GROSSE, RALPH H. (A'52-M'58), Jr. Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
 GROSSEL, ROGER L. (S'57-M'57), R.R. 2, Box 7, Crystal Lake, Ill.
- Lake, III.

 GROS SELFINGER, WALTER H. (4'36-SM'45), Administration, Systems Engro., Defense Projects Div., Western Electric Co., 22D Church St., New York 13, N.Y.

 GROS SENBACHER, ARMEN C. (A'53), Application Engr., Electro-Measurements, Inc., 7524 S.W. Macadam, Portland 19, Ore.

- Electro-Measurements, Inc., 7524 S.W. Macadam, Portland 19, Ore.
 GROSSFIELD, SIDNEY (SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.
 GROSSI, MARIO D. (M'59), Staff Engr., Raytheon Mfg. Co., Waltham 54, Mass.
 GROSSIMON, HERBERT P. (A'54), V.P., Concord Control, Inc., 1282 Soldiers Field Rd., Boston 35, Mass.
 GROSSMAN, ALEXANDER J. (M'54-SM'58), Mem. Tech. Staff, Belf Tel. Labs., Murray Hill, N.J.
 GROSSMAN, ALLEN S. (A'58), Academy of Aeronautics, La Guardia Airport, Flushing 71, L.1., N.Y.
 GROSSMAN, FRED J. (A'53), Engrg. Writer, CGS Labs., Rtes 7 & 35, Ridgerfield, Conn.
 GROSSMAN, HAROLD W. (M'55), Leader, Engrg. Systems Projects, RCA, Camden, N.J.
 GROSSMAN, HENRY (M'37-SM'43), Dir., TV Facilities Operations, CBS-TV, 485 Madison Ave., New York 22, N.Y.
 GROSSMAN, HERRET (A'55), Lab. Asst., Electro-Mechanical Research Center, Republic Steel, 221 E. 131, Cleveland, Ohio.
 GROSSMAN, JACK J. (M'57), Mem. Etch. Staff, Hughes Prods. In Costa Mess. Calif.

- Engr., Genl. Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.

 ROSSMAN, SOL (S'49-A'50), Chief Engr., Tresco, Inc., 3824 Terrace St., Philadelphia 28, Pa.

 ROSSMAN, WILLIAM S. (A'55), Chief Engr., B & K Mfg. Co., Inc., 3730 N. Southport, Chicago 13, Ill.

 GROSSNARN, WILLIAM S. (M'56), Chief Engr., Keystone Prods. Co., 904 23 St., Uhion City, N.J.

 GROSSNICKLE, JAMES R. (M'57), Test Engr., IBM, Pough-keepsie, N.Y.

 GROSSO, JOSEPH E. (S'55-M'56), Systems Application Engr., Canadian GE Co., 107 Park St., N., Peterborough, Ont., Canada.

 GROSSOEHME, FLOYD (M'57), GE Co., Cincinnati 15. Ohio. GROSVENOR, ALBERT C. (M'47-SM'53), Electronic Scientist, Naval Research Lab., Chesapeake Bay Annex, Chesapeake Beach, Md.

 GROSVENOR, HERBERT D. (A'49-M'58), Asc., Engr., Magnavox Co., 1505 E. Main St., Urbana, Ill.

 GROSZ, WILLIAM S. (M'156), Sr. Engr., Mech. Div., Research Debt., Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn.

 GROSZER, ANDREW J., JR. (A'55), Engr., Westinghouse Elec. Corp., Friendship Internati Airmed Baltimen Malicine Malicine

- search Deat., Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn. Minneapolis 14, Minneapolis 14, Minneapolis 15, Minneapolis 15, Minneapolis 16, Minneapolis

- GROVE, RONALD E. (M'56), Sr. Multi-Channel Radio Engr., Cia Shell de Venezuela, Apt. 19, Maracaibo, Venezuela.

GROVE, WILLIAM C. (A'40-M'55), Mgr., KFBC & KFBC-TV, 2923 E. Lincolnway, Cheyenne, Wyo. 2923 E. Lincolnway, Cheyenne, Wyo.
GROVER, ALFRED C., JR. (S'54-A'55), Elec. Engr., RCA, Harrison, N.J.

GROVER, DAMON W. (M'56), Staff Missile Instrumentation Engr., Missiles Test Project, RCA, Cape Canaveral, Fla.

GROVER, DAMON W. (M'56), Staff Missile Instrumentation Engr., Missiles Test Project, RCA, Cape Canaveral, Fla. GROVER, FREDERICK W. (M'17-SM'43-F'49)(L), Prof. Emeritus, Elec. Engro., Union College, Schenectady 8, N.Y. GROVER, HARRY G. (M'30-SM'43), 24 Knollwood Ave., Douglaston 63, L.I., N.Y. GROVER, LAWRENCE L. (S'58-M'59), Asst. Engr., Texas Instruments, Inc., Box 312, Dallas 9, Tex. GROVER, RICHARD K. (S'54-M'57), Staff Menn., Systems Research, Sandia Corp., Sandia Base, Albuquerque, N.M. GROVER, ROBERT C. (S'54-M'57), 1364 Gilmer Dr., Salt Lake City, Utah.
GROVER, MRTHUR B. (M'46), Suprry, Electronics Engr., Bureau of Ships, USN Dept., 17 St. & Constitution Ave., Washington 25, D.C.

Washington 25, D.C.

GROVES, CYRIL L. (A'56), Communication Man, Florida
Power Corp., Monticello, Fla.

GROVES, SIDNEY K. (SM'55), Specialist, Process Engrg.,
GE Co., 13 & Payne Sts., Tell City, Ind.

GROVES, STANLEY E. (A'57), Computer Logic Designer,
GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.

GROVES, WILLICE E. (A'33-SM'46), Col., U.S. Army,
Chief, Science & Engrg. Div., U.S. Army Combat Serveillance Agency, 1124 N. Highland St., Arlington, Va.

GROW, RICHARD W. (S'4B-A'50-SM'58), Assoc. Research
Prof., Elec. Engrg. Dept., Univ. of Utah, Salt Lake City 12,
Utah.

GROWER, BARRY B. (S'51-A'52-M'57), Consultant Electronics Engr., Solid State Devices, 73 Charles St., New York 14, N. Y.

GRUBB, DANA S. (S'55-M'55), Electronics Engr., IBM, Poughkeepsie, N.Y.

GRUBB, DAVID L. (A'43-M'53), Dir., Materiel & Communications, Hawaiian Airlines, Ltd., Box 3287, Honolulu, Hawaii.

munications, Hawaiian Airlines, Ltd., Box 3287, Honolulu, Hawaii.

GRUBB, WALTER C., JR. (SM'56), Electronics Engr., Electronic Associates, Inc., Long Branch, N.J.

GRUBBS, VINCENT P. (M'54), Administrative Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

GRUBBS, CALVIN E. (S'50-A'51-M'56), Design Engr., Dorsett Labs., 401 E. Boyd, Norman, Okla.

GRUBBS, WILLIAM C., JR. (SM'58), Radio Interference Engr., Temco Aircraft Corp., Box 6191, Dallas, Tex.

GRUBBS, WILLIAM H. (A'54), Flight Test Instrumentation Engr., McDonnell Aircraft Corp., Box 516, St. Louis, Mo.

GRUBE, JAMES C. (S'55-M'59), Electronics Engr., U.S.

Army Signal Research & Development Lab., Ft. Monmouth,

GRUBE, WOLF GANC O. (M'57-SM'59), Myr., Systems Engr., Deat., Mergenthaler Lindype Co., 29 Ryerson St.,

Brooklyn 5, N.Y.

GRUBER, ARTHUR E. (A'51), Supvr., Mech. Engrg.,

Times Facsimile Corp., 540 W. SB St., New York 19, N.Y.

GRUBER, C. KENNETT (S'57-M'59), Project Engr., Lear, Inc., 31.11 S. Bundy Dr., Los Angeles 24, Calif.

GRUBER, JOHN R. (A'45-SM'54), Supvr., Antenna Groun

GRUBER, JOHN R. (A'45-SM'54), Supvr., Antenna Groun

GRUBER, JOHN R. (A'45-SM'54), Supvr., Antenna Group, Avco Mfg. Co., Crosley Div., Glendale-Milford Rd., Cincinnati 15, Ohio.

CRUBER, PAUL (A'46-M'55), Sr. Engr., Radio Engrg. Labs., 29-01 Borden Ave., Long Island City, N.Y. GRUBER, ROBERT (M'59), Engr., RCA, Moorestown. N.J GRUBER, ROBERT E. (A'57), Production Mgr., Instrument for Industry, 150 Gien Cove Rd., Mineola, L.I., N.Y.

GRUBER, SHELDON (S'53-M'59), 1st Lt., USAF, Hanscom Field, Bedford, Mass.
GRUBMAN, STANLEY (M'54), Chief, Electronics Components Sect., Standardization Div., U.S. Army Signal Equipment Support Agency, Ft. Monmouth, N.J.
GRUDUS, WALTER S. (S'56-M'59), 100 Chestnut St., Rochelle Park, N.J.

Support Agency, Ft. Monmouth, N. J.

GRUDIS, WALTER S. (S'56-M'59), 100 Chestnut St., Rochelle Park, N. J.

GRUEBEL, ARTHURH, (A'58), Test Dept., Supvr., J.A.

Maurer, Inc., 37-01 31 St., Long Island City 1, N.Y.

GRUEN, HAROLD (S'52-A'53-M'58), Project Engr., Philocome.

Corp., 4700 Wissanickon Ave., Philadelphia 44, Pa.

GRUEN, HAROLD E. (A'50-M'55), Pres., Delta-f, Inc., 113 E. State St., Geneva, III.

GRUEN, WILLIAM (M'57), Pres., Instrumentation Associates, Inc., 17 W. 60 St., New York 23, N.Y.

GRUEN, WOLF J. (M'47-SM'53-F'57), Sr. Staff Mem., Ramo-Wooddridge plus, 1500 El Segundo Blvd., Los Angeles 45, Calif.

GRUENBERC, ELLIOTT L. (A'43-SM'50), Mgr., Data Acquisition, IBM, Kingston, N. Y.

GRUENBERC, HANS S. (S'52-A'53-M'58), Research Specialist, Natl. Biscuit Co., 425 Park Ave., New York GRUENBERG, HANS S. (M'57), Project Engr., Bendix Radio Div., E. Joppa Rd., Towson 4, Md.

GRUENLOH, GEORGE J. (A'49), Electronics Engr., Corco, Inc., 1229 W. Washington Blvd., Chicago, III.

GRUENSFELDER, KURT (S'55-M'58), Chief Engr., K-F. Industries, 230 W. Dauphin St., Philadelphia, Pa.

GRUENTHAL, FRANK W. (A'54), Field Service Rep., The Martin Co., Balkimore 3, Md.

GRUENTHAL, FRANK W. (A'54), Field Service Rep., The Martin Co., Balkimore 3, Md.

GRUENTHAL, FRANK W. (A'54), Field Service Rep., The Martin Co., Balkimore 3, Md.

GRUENTHAL, FRANK W. (A'54), Field Service Rep., The Martin Co., Balkimore 3, Md.

GRUENTHAL, FRANK W. (A'54), Field Service Rep., The Martin Co., Balkimore 3, Md.

GRUMBEN, PERCIVAL, JR. (S'37-A'39-W'439-M'55), Sr. Electronics Engr., Comvair, Pomona, Calif.

GRUMMAN, G. STERLING (A'59), Investment Analyst, Lee Higginson Corp., 50 Federal St., Boston 7, Mass.

GRUNDBERG, R. KENNETH (A'57), Chief Engr., K.G.

Engr., Tech. Services Group, Sylvania Elec. Prods., Inc., Waltham 54, Mass.

GRUNDBERG, R. KENNETH (A'57), Chief Engr., K.G. Engrg. Co., 309 E. Webster, Royal Oak, Mich. GRUNDFEST, HARRY (SM'42), Assoc. Prof., Neurology, College of Physicians & Surgeons, Columbia Univ., 630 W. 168 St., New York 32, N.Y.

GRUNDLER, HERBERT L. (M'57), Electronics Engr., Picatinny Arsenal, Dover, N.J.,
GRUNDMANN, GUSTAVE L. (A'29-VA'39-SM'48), Mgr., RCA Victor TV Div., Camden 8, N.J.
GRUNDY, ALBERT B., JR. (A'49), Chief Engr., Internatl. Electro Acoustics, Inc., 233 6 Ave., New York 14, N.Y.
GRUNDY, DESMOND P. (M'58), Tech. Officer, RCAF Air Materiel Command, RCAF Sta. Rnckcliffe, Ottawa, Ont., Canada.

Materiel Command, RCAF Sta. Rickcliffe, Ottawa, Ont., Canada.
GRUNER, HEINZ W. (S'56-M'58), Rescarch Engr., Taylor Instrument Co., 95 Ames St., Rochester, N.Y.
GRUNER, LUCIAN (M'57), Engr., Standard Telephones & Cables, Ltd., Henley Rd., North Woolwich, London, England.
GRUNSKY, CARL E. (SM'52), Sr. Staff Engr., Hughes Aircraft Co., Culver City, Calif.
GRUNWALD, FRED S. (A'56), Physician, Medical Research, Electronic), 33-54 74 St., Jackson Heights 72, L.I., N.Y.
GRUOL, JOHN W. (M'46-SM'56), Deputy Chiof, Microwave & Electromechanical Branch, U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
GRUSHKIN, ARNOLD G. (S'56-M'58), Assoc. Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.
GRUSHKIN, ARNOLD G. (S'56-M'55), Asst. Mgr., Prod. Planning, Communications Engrs., Lenkurt Electric Co., 1105 Courty, Rd., San Carlos, Calif.
GRUSHLI, FRED N. (A'44-M'45), Retired, 1613 Burwell St., Bremerton, Wash.
GRYB, ROBERT M. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
GRYBOWSKI, THADDEUS M. (S'49-A'51-M'5B), Sr.
Project Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
GRYCK, STANLEY R. (SM'55), Sr. Electronics Engr., Convair, Pomona, Calif.
GRYDER, WILLIAM L. (S'53-M'56), Sr. Engr., Martin Co., Orlando, Fla.
GRYGAR, RAYMOND A. (S'56-M'58), Electronics Engr., Convair-Astronautics, San Diego 11, Calif.

Co., Orlando, Fla.

GRYGAR, RAYMOND A. (S'56-M'58), Electronics Engr.,
Convair-Astronautics, San Diego 11, Calif.

GRYMES, J. RANDOLPH, JR. (S'48-A'50-M'54), Engrg.
Sect. Head, Sperry Piedmont Co., Charlottesville, Va.

GRYZWACZ, WALTER (A'50-M'56), Electronics Scientist,
U.S. Naval Air Development Center, AEEL, Johnsville, Pa.

GRZEBIEN, BRUNON (M'56), Engr., Test Facilities,
Canadian GE Co., 830 Lansdowne Ave., Toronto, Ont.,
Canada.

Canada.

GRZESIK, JOSEPH (A'50), Field Engr., RCA, Internati.

Service Corp., Camden 8, N.J.

GSTEIGER, KURT E. (M'5B), Head, Øev., Ebauches S. A.

Dep., Semiconducteurs Faubcurg Hopital, Neuchatel, Switzer-

Iand,
GUARELLA, GUSTAVE (A'45-SM'54), Chief, HF Dev. Dept.,
Brown Boveri & Cie, Baden, Switzerland.
GUARAGNA, LUIS F. (A'36-VA'39-M'55), Mgr., Engrg.
Prods. & Tube Sales, RCA Italiana, Spa, Via Giulio
Caccin, 1, Rome, Italy.

CACCINI, 1, NOME, Raly.

GUARDINO, RICHARD C. (S'55-M'57), Asst. Engr.,
Sperry Gyroscope Co., Carle Place, L.I., N.Y.

GUARINO, P. A. (SM'46), Assoc. Tech. Dir., Diamond
Ordnance Fuze Labs., Washington 25, D. C.

GUARINO, PETER A. (S'52-A'53-M'58), Sr. Electronics
Engr., Republic Aviation Corp., 223 Jericho Tpke.,
Mineola, L.I., N.Y.

GUARINO, Ral PH.J. 10. (S'52-AM'59), Telectronics
CHARINO, Ral PH.J. 10. (S'52-AM'59), Telectronics

GUARINO, RALPH J., JR. (S'52-M'58), Electronics Engr., American Machine & Foundry Co., 11 Bruce Pl., Greenwich,

American Machine & Foundry Co., 11 Bruce PI., Greenwich, Conn.

GUARRACINO, DTTAVIO M., JR. (A'57), Engr., L.R.E.

Dlivetti, Via del Parlamento, Milano, Italy.

GUARRERA, JOHN J. (S'42-A'44-M'55-5M'56), Genl.

Mgr., Military Electronics Systems, Voi-Sham Mfg. Co.,

17160 Gresham St., Northridge, Calif.

GUAY, ALFRED J. (S'53-M'57), Service Engr., Genl.

Radio Co., 6605 W. North Ave., Oak Park, III.

GUAY, JOEL F. (A'54), Electronics Engr., Naval Ordnance

Lab., Corona, Calif.

GUBA, ROBERT F. (A'50-M'56), Engr., Raytheon Mfg. Co.,

Wayland, Mass.

GUBBINS, LESTER J. (A'54), Elec. Engr., Rome Air

Development Center, Griffiss AFB, N.Y.

GUBIN, LEON L. (A'51), Electronics Technician, Signal

Coros Engrg. Labs., Hexagon Bldg., Eatonkown, N.J.

GUBIN, SAMUEL (A'41-SM'44), Electronics Engr.,

Hamilton Standard Div., Broad Brook, Conn.

GUKEN HEIMER, ERNEST (A'54), Project Leader, GE

CO., Syracuse, N.Y.

GURALMENTER, Control Design

Co., Syracuse, N.Y. GUDAITIS, WILLIAM V. (A'48-M'55), Head, Control Design Debt., Missile Div., Chrysler Corp., Box 2628, Detroit, Mich.

MICH.
GUDENSCHWAGER, PHILIP F. (M'57), Engr., AC
Spark Plug Div., GMC, 1925 E. Kennilworth Pl.,
Milwaukee, Wis.
GUDIS, RICHARD S. (A'48), Engr., Philco Corp., C
& Tioga Sts., Philadelphia 34, Pa.
GUDITZ, ELIS A. (M'58), Staff Mem., MIT, Lincoln Lab.,
Lexington 73, Mass.

GUDMANDSEN, PREBEN E. (A'51-M'56), Research Engr., SHAPE Air Defense Tech. Center, Box 174, The Hague,

Netherlands.

Richard A. (M'55-SM'57), Co-Head, Device Sub-Lab., Semiconductor Div., Hughes Prods., Hughes Aircraft Co., Los Angeles Internati. Airport Sta., Los Angeles 45, Calif.

GUDMUNDSON, RICHARD R. (A'54), Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III.

GUDZIN, MARTIN G. (A'49-M'55), Project Engr., The Geotechnical Corp., 3401 Shiloh Rd., Garland, Texas.

GUELZOW, CLARENCE W. (A'53), Geni. Engr., Air Force Missile Test Center, Patrick AFB, Fla.

GUENARD, PIERRE R. (SM'50-F'55), Dir., Technique du Centre de Physique Electronique et Corpusculaire, Compagnie Generale de T.S.F., Boile Postale No. 10-Orsay-(Seine et Oise), France.

nie Lemerale de I.S.F., Boite Postale No. 10-Orsay(Seine et Oise), France.
GUENTHER, HERMAN J. (S'58-M'59), Jr. Engr., AC
Spark Plug, Milwaukee, Wis.
GUENTHER, JOHN H. (A'45-M'46-SM'56), Sr. Engr.,
Stromberg-Carlson Co., 100 Carlson Rd., Rochester 9, N.Y.
GUENTHER, RICHARD (M'49), Mgr., Surface Comm.
System Lab., RCA, 75 Varick St., New York 13, N.Y.
GUENTHNER, FRIEDRICH K. (A'54), Chief, Guidance &
Combat Div., Air Force Missile Development Center,
Holloman AFB, N.M.

CUERBER, HOWARD P. (A'53-M'59), Leader, Auto Data Systems Engrg., RCA, Camden, N.J. GUERBILSKY, ALEXIS (M'56), Prof., Dept. of Elec. Engrg., Lavai Univ., Blvd. de l'Entente Quebec 10, P.Q., Canada. GUERCIO, ANTHONY M. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. GUERIN, MARCEL (S'55-M'58), Elec. Engr., RCA, Camden, N.J.

Camden, N.J.
GUERINO, MICHAEL (S'55-M'57), Production Foreman
Genl. Instrument, Automatic Mfg. Div., 65 Gouveneur
St., Newark, N.J.

GUERNSEY, ELWOOD D. (A'46-M'55), Foreign Wire Relations Engr., The Ohio Bell Tel. Co., 221 N. Front St., Columbus 15, Ohio.
GUERRE, CHARLES L. (M'5B), Staff Engr., Controls, Systems Technology, Inc., 1630 Centinela, Inglewood 3, Calif.

Systems Technology, Inc., 1630 Centinela, Inglewood 3, Calif.

GUERRERO, EDMUND S. (M'52-SM'55), Pres., Pacific Internatl. College of Arts & Sciences, 5719 Santa Monica Blvd., Hollywood 38, Calif.
GUERRERO, MANUEL A. (S'56-M'58), 908 5TA. Calle No., Managua, Nicaragua.

GUERTIN, ROBERT (S'49-A'50-M'56), Component Design Engr., RCA, Camden, N.J.

GUEST, THEODORE W. (A'57), Sales Rep., P.R. Mallory Co., Inc., 3029 E. Washington St., Indianapolis, Ind.

GUEST, WESLEY T. (A'32-SM'47), Commanding Genl., Sacramento Signal Depot, Sacramento, Calif.

GUETHLEN, VICTOR J. (A'53-M'58), Sect. Head, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.

GUEVREMONT, JASQUES U. (S'53-M'56), Communication Engr., Hydro Electric Power Co., 107 Craig St., W., Montreal, P.Q., Canada.

GUFFEY, H. F. (S'56-M'57), Maj., USAF, Test Dir., Radar Lab., Rome Air Development Center, Box 2B1, Guffiss AFB, N.Y.

GUFFIN, RONALD, M. (S'55-A'56), Engrg. Instr., Hughes

GUFFIN, RONALD M. (S'55-A'56), Engrg. Instr., Hughes Aircraft Co., Fullerton, Calif. GUGENHEIM, RONALD M. (S'55-A'56), Engrg. Instr., Hughes Aircraft Co., Fullerton, Calif. GUGGENHEIM, RICHARD W. (M'56), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. GUGGI, WALTER B. (A'47), Research Engr., Stanford Research Institute, Menlo Park, Calif. GUGLIEL MO, GIANNELLI (A'48-M'55), Research Worker, C. N. R. N. -I. S. P. R. A. (Natl. Nuclear Lab), Via Cerva 31, Milan, Italy. GUGLIOTTA, ANTHONY J. (S'53-A'55), Field Service Engr., Hughes Aircraft Co., Culver City, Calif. GUGLIOTTA, PHILIP A. (SM'58), Engrg. Specialist, Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif. GUHN, DEWAYNE K. (S'50-A'51-MISD), Device Total Control of the Control of t

VIEW, Calif.
GUHN, DEWAYNE K. (S'50-A'51-M'5B), Design Engr.,
RCA, Moorestown, N.J.
GUHNE, RICHARD D. (M'57), Jr. Electronics Engr., Developmental Engrg. Corp., 1000 Connecticut Ave., N.W.,
Washington 6, D. C.

Washington 6.). C. GUIA-MONASTERIO, ARMANDO E. (S'50-A'52-M'55), 5a Ave. y 8 calle Ota, Los Guia-Los Palos Grandes, Caracas, Venezuela. GUIBERSON, MAX D. (M'54), Radio Engr., State of Washington, Dept. of Natural Resources, 7B10 Martin Way, Olympia, Wash.

GUIBERSON, MAX D. (M'54), Radio Engr., State or Washinston, Dept. of Natural Resources, 7B10 Martin Way, Olympia, Wash.
GUICHARD, RAYMOND S. (A'47-M'54), Service Publications Mgr., Magnavox Co., Bueter Rd., Ft. Wayne 1, Ind.
GUIDA, JAMES A. (S'47-A'48-SM'53), Cmdr., USN, Electronics Projects Officer, Office of Naval Research, Washington 2S, D.C.
GUIDI, WILLIAM R. (S'57-M'5B), Systems Engr., Geni., Precision Lab., Pleasantville, N.Y.
GUIDO, LOUIS A. (S'53-A'55), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
GUIDO, SERNARD W. (A'54), Service Supvr. Central Television Service Center, 1910 Ligonier St., Latrobe, Pa.
GUILD, BALDWIN (1'16-A'17-M'26-SM'43), Patent Lawyer, Pennie, Edmonds, Morton, Barrows & Taylor, 247 Park Ave., New York 17, N.Y.
GUILD, CHESTER P. (M'56), Electronics Design Engr., The Martin Co., Box 179, Denver, Colo.
GUILT, GEDWARD G. (A'51), Engr., W.My-TV, Storer Broadcasting Co., 1630 Euclid Ave., Cleveland 14, Ohio.
GUILFORD, EDWARD G. (S'57-M'58), Asst. Prof., Elec. Engrg., Univ. of Washington, Seattle 5, Wash.
GUILFORD, RICHARD P. (S'54-A'55), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
GUILLEMIN, ERNST A. (A'41-SM'48-F'49), Prof., Elec. Communications, MiT, Cambridge 39, Mass.
GUIMARAES, ALFREDO (A'47), Myr. & Chief Engr., Press Wireless, Uruguaya, Ltd., Juan C. Gomex 1394, Montevideo, Uruguay.
GUIMARAES, BERNARDINO Q. (A'49-M'55), Chief, Elec. Deet. of Research, Ivo Fracalanza & Cia, Ltda., Rua

MONIEVIDEO, JURIGUAY.

GUIMARAES, BERNARDINO Q. (A'49-M'55), Chief, Elec.
Debt. of Research, Ivo Fracalanza & Cia, Ltda., Rua
Almirante Barroso B37/389, Sao, Paulo, Brazil.

GUIMARAES, GERAKDO S.C. (M'57), Lt., Brazilian Navy,
Diretoria Geral do Pessoal, Ministerio da Marinha, Rio de
Janeiro, Brazil.

Janeiro, Brazil.
GUINARD, NORMAN W. (SM'59), Sr. Engr., American
Machine & Foundry Co., 1025 N. Royal St., Alexandria, Va.
GUINESS, HERBERT A. (A'56), Industrial Electronic
Sales, Federated Purchaser, Inc., 11275 W. Olympic
Blvd., Los Angeles 64, Calif.

Blvd., Los Angeles 64, Calif.
GUINEY, ROBERT J. (A'53), Mgr. & Treas., Radiation
Engro. Lab., Main St., Maynard, Mass.
GUINN, JOHN R., JR. (S'48-A'50-M'55), Prof. & Chmn.,
Elec. Engro. Dept., Texas College of Arts & Industry,
Kingsville, Tex.
GUIRAL, RAUL L. (A'38-VA'39-M'55), V.P.-in-Chg.,
Tech. Dept., Circuito CMQ, S.A., M y 23, Radiocentro,
Havana, Cuba.

navana, cuba.

GUITIAN, JOSE E. (A'39), Adviser to Venezuela Delegation to Internatl. Civil Aviation Organization, Venezuela Govt., Internatl. Aviation Bldg., Montreal, P.Q., Canada.

GULA, HENRY E. (M'56), Project Engr., Admiral Corp., 3B00 W. Cortland St., Chicago 47, III.

GULACK, JULIAN G. (S'43-A'45-M'55-SM'57), Project Engr., ITT Labs., Nutley 10, N.J.

- GULBRANOSEN, FINN O. (M'58), Design Engr., Convair, San Diego, Calif.
 GULCHER, ROBERT H. (M'57), Chief, Electronic Systems, No. Amer. Aviation, 4300 E. 5 St., Columbus 21, Ohio. GULDEN, E. VINCENT CA'46-M'48-SM'53), Dir., Elec. Dev. Dept., Natl. Cash Register Co., Dayton 9, Ohio. GULDEN, WYNNEW. (M'48), Radio Engr., The Cincinnati & Surban Bell Tel. Co., 225 E. 4 St., Cincinnati 2, Ohio. GULICK, EDWIN C. (M'48-SM'51), Sect. Mgr., Engra. Operations, Philos Corp., Western Development Labs., 3875 Fabian Way, Palo Alto, Calif. GULHUR, DONALD L. (A'53-M'54), Chief Engr., Radio Sta. KLVL, Box 432, Pasadena, Tex.
 GULL, ROY A. (A'46-SM'50), V.P., Mfg., Forbes & Wagner, Inc., 345 Central Ave., Silver Creek, N.Y.
 GULLAND, GEORGE R. (A'52-SM'54), Administration Asst. to Mgr., Engrg., 1BM, Poughkeepsle, N.Y.
 GULLATT, SAM P., JR. (A'55), Mem. Tech. Staff, Tempo, GE Co., Santa Barbara, Calif.
 GULLEDGE, DAN B. (S'55-A'57), Electronics Systems Engr., RCA Service Co., 838 Henry St., Alexandria, Va. GUM, JOHN D. (A'52-M'57), ept. Mgr., Instrumentation Systems Dept., Consolidated Systems Corp., 1500 S. Shamrock Ave., Monrovia, Calif.
 GUMACOS, CONSTANTINE (S'50-A'51-M'56), Project Engr., Philos Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- GUMAS, GEORGE (A'51), 2230 Willow Brook Dr., Hunt-indon Valley, Pa. GUMB, DANA F. (S'49-A'50), Lab. Dir., AGA Corp., 1914 Duke St., Alexandria, Va. GUMBART, HAROLD E. (A'49-M'5B), Electronic Sales Consultant, Box BB7, Santa Monica, Calif.

- Consultant, Box BB/, Santa Monica, Calif.
 GUMBS, JEREMIAH (A'51), Owner, Gumbs Radio & Television,
 5 Edgegrove St., Fords, N.J.
 GUMINA, LEO V. (A'54), Electronics Engr., Navy Dept.,
 Washington, D.C.
 GUMPERT, DONALD F. (M'59), Engr., Daystrom Instruments,
 Art. Hubby C. GORGE C. (AMES)

- Artiliald, Fa.
 GUNBY, GEORGE C. (M'5B), Elec. Engr., John Fluke
 Mfg. Co., Inc., 1111 W. Nickerson St., Seattle, Wash.
 GUNDERMAN, ROBERT J. (M'57-SM'59), Engr., Bendix
 Systems Div., Ann Arbor, Mich.
 GUNDERS, EFRON (M'5B), In-chg., Electronics & Instrumentation, Biophysical Lab., Harvard Medical School, 25
 Shattuck St., Boston 15, Mass.
- Shattuck St., Doston L5, Mass.
 GUNDERSEN, JOSEPH R, (A'57), Assoc. Engr., Douglas
 Aircraft Co., 3855 Lakewood Blvd., Lony Beach, Calif.
 GUNDERSEN, RAYMOND E. (A'51), V.P., Tri-CY
 Corp., 13790 Nelson St., Detroit 27, Mich.
 GUNDERSON, ALLEN L. (A'51-M'54), Dir. Engrg., KDYLAM-FM-KTVT, 130 Social Hall Ave., Salt Lake City 1,
- GUNDERSON, DALE C. (M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. GUNDERSON, LESLIE C. (S'57-M'58), Engr., ITT Labs., Nutley 10, N.J.

- Labs., Nutley 10, N. J.
 GUNDERSON, ROBERT W. (M'47), 984 Waring Ave.,
 New York 69, N. Y.
 GUNDLACH, EDWIN E. (A'51-M'56), Supvr., Southwestern
 Ind. Electronics Co., 2831 Post Oak Rd., Houston, Tex.
 GUNDLACH, FRIEDRICH W. (SM'56), Prof., Institute of
 Technology, Berlin-West 1 Jebensstrasse Berlin-West,
 Germany.

- Germany.

 GUNDRY , JOSEPH C. (A'55), Dev. Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 GUNDY , GERALD L. (A'47), Box 763, Warrenton. Va. GUNDY, PHILP L. (A'46-M'50), V.P., Ampex Corp., 934 Charter St., Redwood City, Calif.

 GUNKEL, WALTER A. (M'57), Research Engr., Southwest Research Institute, B500 Culebra, San Antonio, Tex.

 GUNN, DAVID L. (A'54), Staff Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago, Ill.

 GUNN, DONALD W. (M'47), V.P., Electronics Prods. Sales, Sylvania Elec. Prods., Inc., 1740 Broadway, New York 19, N.Y.

 GUNN, KENNETH C. C. (M'55), Sr. Engra. Specialist

- TOR 19, N.Y.
 GUNN, KENNETH C.C. (M'55), Sr. Engrg. Specialist,
 Sylvania Elec. Prods., Inc., Woburn, Mass.
 GUNN, LEROY W. (S'47-A'49-M'55), Sr. Engr. Pacific
 Telephone & Telegraph Co., 760 Market, San Francisco 2,
 Calif.
- Calif.

 GuNN, ROSS (A'35-SM'47-F'49), Consulting Research Physicist, American Univ., Washington 16, D.C.

 GUNN, THOMAS L. (S'56-M'57), Electronics Engr., Sylvania Electronic Defense Lab., Mountain View, Calif.

 GUNNELL, GEORGE T. (A'36-VA'39), Mgr., Production Planning, Special Tube Operations, Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 GUNNING, FREDA A. (A'5B), Engre, Alde, Avco Research & Development, 201 Lowell St., Wilmington, Mass.

 GUNNING, MARCUS E. (A'55), Project Engr., Wright Air Oevelopment Center, Training Equipment Branch, Wright-Patterson AFB, Ohio.

 GUNNING, WILLIAM F. (S'41-A'43-M'55), Tech. Dir., EPSCO, Inc., 240 E. Palias, Anaheim, Calif.

 GUNNY, EDMOND R. (A'53), Despin Engr., Hughes Aircraft

- EPSCO, Inc., 240 E., Palias, Anaheim, Calif.
 GUNNY, EDMONDN R. (4.753), Design Engr., Hughes Aircraft
 Co., Culver City, Calif.
 GUNSAULUS, LYNN A. (M'5B), Production Planning Supvr.,
 Photocircuits Copr., Drawer 752, Glen Cove, L.I., N.Y.
 GUNSHINAN, THOMAS B. (M'56), Electronics Engr.,
 Naval Ordnance Lab., White Oak, Md.
 GUNSON, DAVID O. (M'52), Control Systems Specialist,
 Mechanical Systems Engrg., Lockheed Aircraft Corp.,
 Marietta, Ga.
- Marietta, Ga

- Marietta, Ga.

 GUNST, MORGAN A., JR. (M'54), Genl. Mgr., Litton Industries, Electronic Display Labs., 1 Montgomery St., San Francisco 4, Calif.

 GUNTER, DONALD L. (M'47), Mgr., Mkt. Dev., Astro Electronic Prods. Div., RCA, Princeton, N.J.

 GUNSI, MORGAN A., JR. (M'54), Genl. Mgr., Litton Industries, Electronic Display Labs., 1 Montgomery St., San Francisco 4, Calif.

 GUNTER, DONALD L. (M'47), Mgr., Mkt. Dev., Astro Electronic Div., RCA, Princeton, N.J.

 GUNTER, FRANK B. (SM'54), Mgr., Radar Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 GUNTHER, CLARENCE A. (A'27-5M'48-F'54), Chief
- GUNTHER, CLARENCE A. (A'27-SM'48-F'54), Chief Defense Engr., Defense Electronic Prods., RCA, Camden 2, N.J.

- GUNTHER, FRANK A. (A'25-M'30-SM'53), V.P., Rai Engrg. Labs., 29-01 Borden Ave., Long Island City 1 N.Y.
- GUNTHER, HERBERT H. (S'58-A'58), Computer Technician, Remington Rand Univac, 315 4 Ave., New York, N.Y.
- GUNTHER, HERBERT H. (S'58-A'58), Computer Technician, Remington Rand Univac, 315 4 Ave., New York, N.Y.

 GUNTHER, WILLIAM J. (S'54-A'56), 1st Lt., USAF, 717th Bombardment Sqdn., Elisworth AFB, S.D.

 GUNTHORPE, GUY F. (S'56-M'58), Engrq. Officer, Army Pictoral Ceater, 35-11 35 Ave., Long Island City, N.Y.

 GUNZENHAUSER, ADOLPH (A'52), Transisola, Inc., 69-70

 113 St., Forest Hills 75, L.I., N.Y.

 GUPPY, JOHN W., JR. (S'52-A'54), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill. N.J.

 GUPTA, MAHESH P. (M'59), Applications Engr., Sylvania Elec. Prods., Inc., Woburn, Mass.

 GUPTA, PERM P. (A'58), Tech. Asst. Indian Institute of Science, Bangalore 3, India.

 GUPTILL, HEATH R. (S'38-A'43), Research Physicist, Hughes Aircraft Co., Culver City, Calif.

 GURDUS, HARRY W. (A'46), Gent. Mur., Standard Components Corp., 780 S. 3rd Ave., Mt. Vernon, N.Y.

 GUR-EL, GROSKOPF, ARIE S. (M'57), Engr., Radio Services Haifa-North, Post, Telegraph & Radio, Israeli Govt., Haifa, Israel.

 GUREVICS, DAVID (A'43), Chief Engr., Freed Transformer Co., 1718 Weirfield St., Brooklyn 27, N.Y.

 GUREWITSCH, ANATOLE M. (A'39-SM'45), Scientific Rep., GE Co., Schenectady 5, N.Y.

 GURLEY, BENJAMIN M. (M'58), Asst. Group Leader, MIT Lincoln Lab., Lexington 73, Mass.

 GURLEY, JOSEPH G. (S'49-A'50-M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 GURNAN, BENNARD S. (S'55-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 GURNAN, BENNARD S. (S'55-M'59), Design Engr., 4
 Park Ave., Malden 48, Mass.

 GUROS, FRANK S. (S'49-A'51-M'55), Electronics Engr., Genl., Freelslon Lab., Inc., 63 Bedford St., Pleasantvilla,

- GUROS, FRANK S. (S'49-A'51-M'55), Electronics Engr., Genl. Precision Lab., Inc., 63 Bedford St., Pleasantvilla, N.Y.
- GURSKE, VERNON P. (S'50-A'54-M'59), Sr. Engr., Electronic Engrg. Co. of California, 180 S. Alvarado St., Los Angeles 57, Calif.
- CURTZ, VEARL J. (M'53), Sr. Project Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, III.
 GURVIZ, ALESSIO A. (A'49), Genl. Mgr., Radiotecnica Strumenti Telecomunicazioni, s.r.l., via Fontana 18, Milano 240, Italy
- MILIAND 240, Italy.
 GUSMAN, LEO (M'57), Project Engr., Ferranti Electric, 95 Madison Ave., Hemostead, L.I., N.Y.
 GUSSAK, MURRAY (A'56), Engr., RCA, 75 Varick St., New York 13, N.Y.
 GUSSOW, SIDNEY S. (S'57-A'58), 553 S.W. 7 St., Miami 36, Fla.

- GUSSAK, MURRAY (A'Do), Engr., RCA, 72 Varick St., New York 13, N.Y.
 GUSSOW, SIDNEY S. (S'57–A'58), 553 S.W. 7 St., Miami 36, Fla.
 GUSTAFF, ALBERT J. (S'49–A'51–M'56), Research Engr., Tufts College, Elec. Engrg. Dept., Medford 55, Mass.
 GUSTAFSON, ARTHUR J., JR. (A'54), 25 Prince William Rd., Denbigh, Va.
 GUSTAFSON, CARL E. (S'52–A'54), Electronics Engr., Naval Ordnance Lab., White Oak, Silver Spring, Md.
 GUSTAFSON, DARREL W. (A'54), Sales Engr., Technology Instrument Corp., Acton, Mass.
 GUSTAFSON, ELMER M. (A'59), Sr. Engr., CBS-Hytron, 900 Chelmsford, Lowell, Mass.
 GUSTAFSON, ELMER M. (A'59), Sr. Engr., CBS-Hytron, 900 Chelmsford, Lowell, Mass.
 GUSTAFSON, HARRY A. (S'49–A'52–M'57), Research Engr., Minneapolis-Honeywell Regulator Co., 2600
 Ridgway Rd., Minneapolis 13, Minn.
 GUSTAFSON, LESLIE A. (S'53–A'54–M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 GUSTAFSON, LESLIE A. (S'53–A'54–M'58), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.
 GUSTAFSON, WALTER G. (M'59), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.
 GUSTAFSON, WALTER G. (M'59), Research Engr., Svenska AB Gasaccumulator, Stockholm-Lidingo, Sweden.
 GUSTASON, EDMUND R., JR. (S'51–M'56), Sr. Engr., Audio-Visual, Hughes Aircraft Co., El Segundo, Calif.
 GUSTAYUS, HOWARD (A'57–M'58), Administrative Engr., Advanced Communications Engr. Div., Cook Electric Co., 6038 28 Ave., S. E., Washington 23, D.C.
 GUSTIN, JOSEPH T. (S'50–A'51), Engr., Specialist, Servo Dev., Nortronics Div., Northron Corp., Hawthorne, Calif.
 GUSTAYUS, DONALD A., (S'58–M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 GUTCHEON, WILSON Y. (S'56–A'59), Chm. of Bd., National Co., 61 Sherman St., Malden, Mass.
 GUTERMAN, FREDERICK H. (M'53), V.P. & Genl. Mgr., Industrial & Millitary Equipment Div., Allen B. DuMont Labs., Inc., Cliffton, N.J.
 GUTERMAN, FREDERICK H. (M'53), V.P. & Genl. Mgr., Industrial & Millitary Equipment Div., Chm. of Bd., N.Y.
 GUTHART, HANDUEL (16,757), Consultant, Radio & TV & Ind. Elec. & Power, Contracting & W Elec.

- N.Y.
 GUTNOFF, GUENTER H. (A'56), Design Engr., Electronic Research & Development Co., Ltd., 210 9 Ave., E., Calgary, Alta., Canada.
 GUTNRIE, ARVIL K. (M'58), Communication Engr., GE Co., 3750 N. Meridian St., Indianapolis B, Ind.
 GUTNRIE, FERETT E. (A'55), Electronics Engr., Microwave Engrg. Lab., 941 Industrial Ave., Palo Alto, Calif.
 GUTNRIE, FELIX W. (S'49-A'51-M'56), Electronics Engr., Goodycar Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- GUTHRIE, JACK E. (M'56), Sr. Engr., AT&T Co., 811 Main, Kansas City 5, Mo.
- Main, Rainsas City 3, Mo. GUTHRIE, JOSEPH W. (A'47), Production Mgr., Engineered Electronics Co., 506 E. 1st, Santa Ana, Calif. GUTHRIE, ROBERT C. (A'37-VA'39-M'55), Supt., Radar Div.. Naval Research Lab., Washinoton 25.

- GUTHRIE, TOM F. (S'55-A'56), Project Engr., The Technical Materiel Corp., 700 Fenimore Rd., Mamaroneck, N.Y.
- GUTHRIE, WAYNE R. (A'48), Plant Operating Asst., Pacific Telephone & Telegraph Co., 417 S. Hill St., Los Angeles 13, Calif.
- Angeles 13, Calif.

 GUTIERREZ, ELEAZAR D. (SM'4B), Prof., Escuelar Superior de Ingenieria Mecanica y. Electrica, Allende 38, Mexico, D. F., Mexico.
 GUTLEBER, FRANK S. (S'52-A'53-M'5B), Sr. Engr., Electronics, ITT Labs., Nutley 10, N.J.
 GUTLOVE, NORMAN M. (M'56), Principal Design Engr., Republic Aviation Corp., Farmingdale, L.1., N.Y.
 GUTMAN, ALFRED S. (A'54), Engrg. Specialist, Sylvania Elec. Prods., Inc., Waltham, Mass.
 GUTMAN, DONALD C. (M'59), Owner, Operator, Sales & Service, Donnor Communications, 1400 E. 96 St., Minneapolis 20, Minn.

- MINICADUIS 20, MINN.
 GUTMAN, JOHN H. (S'52-A'53-M'5B), Supvg. Engr.,
 Hazeltine Electronics Corp., Little Neck, L.I., N.Y.
 GUTMANN, FELIX (M'47-SM'56), Sr. Lecturer, Chemical
 Physics, Univ. of New South Wales, Broadway, Sydney,
 Australia
- GUTOWSKI, JOSEPH L. (SM'58), RCA Electron Tube Div., Harrison, N.J.

- GUTOWSKI, JUSEPH L. (SM'5B), R.A Electron Tube DIV., Harrison, N.J.
 GUTSMJTH, HENRY R. (S'53-M'57), Design Engr., RCA, Camden, N.J.
 GUTTERMAN, ARTHUR (S'47-A'50-M'53), Pres., Fair-field Engr., Corn., 934 Hope St., Springdale, Conn.
 GUTTERSON, MARCUS A. (S'56-A'56), Field Engr., 1BM, McGuire AFB, Trenton, N.J.
 GUTTMAN, JULIUS (S'51-A'52-M'57), Sr. Engr., Manson Labs., 207 Greenwich Ave., Stamford, Conn.
 GUTTMAN, JULIUS (S'51-A'58), MSS. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 GUTTON, M., HENRI (A'5B), Sud-Avlation, 3 Qual Gallieni, Suresnew, Selne, France.
 GUTTOFF, GEORGE H. (S'55-M'56), Jr. Research & Dev. Engr., Remington Rand Univac, Philadelphia, Pa.
 GUTTWEIN, GUNTER K. (A'4B-M'55-SM'59), Chief, Piezoelectric Crystal Branch, U.S. Army Signal Research & Develorment Lab., Tt. Monmouth, N.J.
 GUTWIN, OUTO A. (S'55-M'56), Assoc. Engr., IBM,
- & Development Lab., ft. Monmoudh, N. J.
 GUTWIN, OTTO A. (S'55-M'58), Assoc. Engr., IBM,
 Poughkeepsie, N. Y.
 GUTZMER, RICHARD F. (S'57-A'58), Engr., StrombergCarlson Co., 1400 N. Goodman St., Rochester 9, N. Y.
 GUY, ARTHUR W. (S'54-M'57), Research Engr., Boeing
 Airplane Co., Seattle, Wash.
 GUY, DAN V. (M'59), Field Engr., Tektronix, Inc.,
 Portland, Ore.
- GUY, DAN V. (M'59), Field Engr., Tektronix, Inc., Portland, Ore.
 GUY, H. DEWEY (SM'55), Chief Engr., Electronic Systems Derk., The National Co., 61 Sherman St., Malden, Mass. GUY, LEROY S. (M'5B), Electronics Engr., Melpar, Inc., 3000 Arlington Blwd., Falls Church. Va.
 GUY, ARAYMOND F. (A'25-M'31-F'39), Sr. Staff Engr., MSC, 30 Rockerfeller Plaza, New York 20, N.Y.
 GUY, STANLEY A. (S'4B-A'51-M'57), Project Engr., Raytheon Mg. Co., Wayland, Mass.
 GUYER, EDUARO (A'54-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 GUYER, EDWIN M. (A'32-M'45-SM'56), Mgr., Electric Glassworking, Corning Glass Works, Corning, N.Y.
 GUYETTE, RAYMOND J. (S'5B-M'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.
 GUYOT, LUCIEN F. (A'54), Chef de Service Tubes, Societe Nouvelle d'Electronique, Av. Kleber, Paris 16, France. GUYTON, BOONE T. (A'57), Sales Mgr., Norden-Ketay Corp., Instrument & Systems Div., Milford, Conn.
 GUYTON, CHARLES W. (S'51-A'53-M'55), Electronics Engr., Special Projects Branch, U.S. Naval Civil Service MINS, Mare Island, Vallejo, Calif.
 GUYTON, JAMES H. (A'47-M'55), Chief Engr., Delco Radio Div., GMC, Kokomo, Ind.
 GUYTON, JOHN A. (M'57), Electronics Engr., Dept. of Defense, Washington 25, D.C.
 GUYTON, ROBERT D. (A'56), Maj. USAF, Research & Dev. Administrator, Hers., ARDC Det. 41. Wright-Patterson

- GUZAK, PETER D. (A'56), Maj. USAF, Research & Dev. Administrator, Hqrs., ARDC Det. *1, Wright-Patterson AFB, Ohio.
- AFB, Ohlo.

 GUZENHAUSER, ADOLPH (A'52), Transisola, Inc., 69-70
 113 St., Forest Hills 75, L., N. Y.

 GUZEWICZ, JOHN F. (A'56), Sales-Engr., Mgr.,

 Stainless, Inc., North Wales, Pa.

 GUZIK, STANLEY W. (S'57-M'5B), Engr., Bell Tel. of

 Canada, 20 Water St., N., Kitchener, Ont., Canada.

 GUZZEY, JAMES E. (M'51), Chief Elec. Engr., Grisby

 Allison Co., Inc., Arlington Heights, III.

 GWALTNEY, CONRAD M. (S'5B-A'59), Asst. Engr.,

 Frederick Research Corp., 4630 Montgomery Ave.,

 Bethesda, Md.

 GWIN, JERRY D. (S'56-M'57), Engr., IBM, Owego,
- GWIN, JERRY D. (S'56-M'57), Engr., IBM, Owego,
- N.Y.
 GWYN, CHILDRESS B., JR. (SM'57), Special Projects Engr.,
 Gibson Electric Co., Old Wm. Penn Hwy., Delmont, Pa.
 GYGER, CECIL E. (M'56), Mem. Tech. Staff, Electronic
 Instrumentation Co., Box 8405 Denver, Colo.
 GYLLENHAAL, PETER R. (A'54), Sr. Engr., RCA,
 Moorestown, N.J. LINES, CARDIEI (A'55), Bloometers
- GYLLENKROK, THURE-GABRIEL (A'55), Bjornstorp Sweden
- Sweden, GYSAN, RICHARD L. (A'52), Mgr., Engrg. Sales, Richard L. Gysan Co., 12 Foster St., Wenham, Mass. GYSBERS, JAN R. (A'55), Radio Technician, United Nations Truce Supervision Organization, Jerusalem, Israel.

- HAACK, ROBERT W. (S'50-A'51-M'56), Supvr., Hughes Aircraft Aircraft Co., Fullerton, Calif.
 HAACK, WILLIAM JR. (S'56-A'57), Microwave Maint. Engr., Gulf States Utilities Co., 285 Libert, Dicambont, Tcx.
 HAAG, EARL J. (M'55), Sr. Engr., Reliability, Hughes Aircraft Corn., Culver City, Calif.
 HAAG, EDWARD J. (A'56), Personnel Mgr., Johnson & Hoffman Mfg. Corp., 31 E 2nd St., Mineola, L.I., N.Y.
 HAAC, MERLIN W. (A'26-VA'39-M'55), 338 Higdon Ave., Mountain View, Calif.
 HAAG, SAMUEL J. (SM'57), Deputy Chief, Missile Engrg. Sect., Army Ballistics Missile Agency, Huntsville, Ala.

HAAGENS, DANIEL (A'50-M'55), Engrg, Mgr., Applied Logics Div., Gen!, Ceramics Corp., Keasbey, N. J. HAAK, DONALD K. (5'58-M'59), Electronics Engr., Cubic Corp., 5575 Kearny Villa Rd., San Diego 11, Calif. HAAKER, LESTER (M'58), Chicago Air Defense Sector, Trua: Field, Madison 7, Wis.

- Field, Madison 7, Wis.

 HAAKONSEN, HAAKON M. (M'52), Assoc. Prof. of Elec.
 Engre, Univ. of Manitoba, Ft. Garry, Man., Canada.

 HAALAND, CARSTEN M. (M'57), Physicist, Armour Research
 Foundation, J. O. W. 35 St., Chicago 16, III.

 HAANSTRA, JOHN W. (A'52-M'57), Asst. Mgr., Prod.
 Dev., Data Processing Div., IBM, 112 E. Post Rd.,

 White Plains, N. Y.
- HAARD, BERTIL (M/55), Tech. Mgr., Elenik Engrg. Co., Sommarvagen 2-6, Solna, Sweden. HAAS, C. J. (M/58), Design Engr., No. Amer. Aviation, Columbus, Ohio.

- Columbus, Ohio.

 HAAS, DONALD L. (A'52-SM'57), Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.

 HAAS, DONALD L. (A'49-M'55), Electronics Engr., 1823 Kenney Dr., Falls Church, Va.

 HAAS, EUGENE W. (S'52-A'53-M'59), V.P., Instrument Dynamics, Inc., 11 Albion St., Wakefield, Mass.

 HAAS, GREGORY M. (S'55-M'58), 308 E. Boyd, Baton Rouge, La.
- Rouge, La.
 HAAS, HAMMOND H. (M'56), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.
 HAAS, HERBERT W. (S'49-A'52-M'56), Assoc. Engr.,
 Antenna Group, Physical Science Lab., New Mexico State
 Univ., University Park, N.M.
- HAAS, HYLAND P. (A'58), 74 F.I.S., APO 23, New York,
- HAAS, I. JOHN (M'56), Assoc. Prof., Elec. Engrg., Christian Brothers College, 650 E. Parkway, S., Memphis 4, Tenn
- HAAS, ISY (M'59), Fairchild Semiconductor Corp., 844 Charleston Rd., Palo Alto, Calif. HAAS, JAMES K. (A'59), Elec. Engr., Admiral Corp., 380C W. Cortland St., Chicago 47, III. HAAS, KARL A. (S'55-A'57), 282 Summitt St., Norwood, N.J.
- HAAS, M:LFORD F. (S'53-A'54), Dev. Engr., Mayflower Electronic Devices, Inc., 20 Industrial Ave., Little Ferry, N.J.

- N.J.

 N.J.

 HAAS, MORTIMER (A¹59), Electro Mech. Packaging Designer 76 Pinehurst Ave., New York 33, N.Y.

 HAAS, NELSON V. (S¹48-A¹49-M¹55), Electronics Engr., RCA, Camden, N.J.

 HAAS, PAUL (J²6-A¹30-VA¹39), Engrg. Specialist, Sylvan Elec. Prods., Inc., Seneca Falls, N.Y.

 HAAS, PALPH W. (A¹53), Research Engr., Electronic Control Systems, 2236 Barrington, Los Angeles 64, Calif.

 HAAS, ROBERT W. (M¹58), Electric Operating Engr., Cincinnati 23, Ohio.

- HAAS, ROBERT W. (M'58), Electric Operating Engr., Cincinnati 2s, & Electric Co., 4 & Main Sts., Cincinnati 2, Ohio.

 HAAS, VINTON B., JR. (M'52), Prof., Elec. Engrg., Univ. of Connecticut, Storrs, Conn.

 HAAS, WAYNE F. (A'57), Electronics Technician, Inland Testing Labs. Div., Cook Electric Co., 6401 Oakton St., Morton Grove, III.

 HAAS, WILLIAM I. (S'50-A'51-M'57), Electronics Engr., Bendix Corp., York, Pa.

 HAAS, ZBIGNIEW A. (A'56), Television Engr., Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, III.

 HAASE, ALLEN P. (M'50-SM'52), Mgr., Advanced & Dev. Engrg., GE Co., 316 E 9 St., Owensboro, Ky.

 HAASE, ARCHIBLE H. (A'55), Colorado Plant Special Services Supvr., Mountain States Telephone & Telegraph Co., 1421 Champa St., Denver, Colo.

 HAASE, JOHN A. (S'48-A'56-M'56), Dev. Engr., Radiation Counter Lab., 5122 Grove St., Skokie, III.

 HAASE, KURT H., DR. (M'54), Physicist, Cambridge Air Force Research Center, Hanscom Field. Bedford. Mass.

 HAASE, WILLIAM D. (A'41), Engr., North Carolina Labs., Chatham Rd., Winston-Salem, N. C.

 HAASE, WILLIAM E. (S'54-A'56), Customer Engr., IBM, 99 Park Ave., New York, N.Y.

 HABECK, GENE L. (S'53-A'54), Advanced Design Engr., Atlantic Design Co., 796 Broad St., Newark 2, N.J.

 HABECK, GENE L. (S'53-A'54), Advanced Design Engr., Atlantic Design Co., 796 Broad St., Newark 2, N.J.

 HABER, FRED (S'48-A'49-M'55), Asst. Prof., Univ, of Pennsylvania Moore School of Elec, Engrg., Philadelphia 4, Pa.

- Pennsylvania Moore School of Elec, Engrg., Philadelphia 4, Pa.

 HABER, FRED (S'48-M'59), Sales, The Ellis-Haber Corp., 11 Northern Bivd., Great Neck, L. I., N. Y.

 HABER, KENNETH H. (A'54), Mem. Tech. Staff, Bell Tel.

 Labs., Whippany, N. J.

 HABER, KENNETH H. (A'54), Mem. Tech. Staff, Bell Tel.

 Labs., Whippany, N. J.

 HABER, HERN, WILLIAM J. (A'55-M'58), Electromagnetic Interference Engr., Martin Co., Cocoa, Fla.

 HABERL, JOHN F. (S'51-A'54-M'59), Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P. O., Canada.

 HABERL, JOHN F. (S'51-A'54-M'59), Engr., Canada.

 HABERLAND, ERNEST R. (M'46), Group Head, Hughes Aircraft Co., Culver City, Calif.

 HABERMANN, CARL L. (A'53-M'58), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 9, Ohio.

 HABERMANN, RUDOLPH, JR. (A'53-SM'56), Mgr., Data Processing, GE Co., 300 S. Geddes, Syracuse, N. Y.

 HABERSTROH, ALBERT (SM'55), Mgr., Engrg., Div., DI-AN Controls, Inc., 40 Leon St., Boston 15, Mass.

 HABIB, NELSON (M'57), Tech. Staff Assoc., Bell Tel.

 Labs., Whippany, N. J.

 HABOIAN, PAUL (A'58), Box 4, Warren. Mich.

 HACHEMEISTER, CHARLES A. (A'44-M'46), Prof., Polytechnic Institute of Brooklyn, 33 Jay St., Brooklyn 1, N.Y.

 HACK, GEORGE E. (S'54-M'56), Elec. Engr., IBM, Endicot N.Y.

 HACK, NESTOR R. (A'47-M'55), Engr., Bendix
- N.Y.

 HACK, NESTOR R. (A'47-M'55), Engr., Bendix
 Aviation Corp., 5630 Arbor Vitae, Los Angeles 45, Calif.

 HACK, WALTER L. (A'56), V.P., Western Gold &
 Platinum Co., 525 Harbor Bilvd., Belmont, Calif.

 HACKBARTH, HAROLD R. (M'56), Supvr., Transmitters,
 Lee Broadcasting Co., WCU Bidg., Quincy, III.

 HACKBUSCH, RALPH A. (A'26-M'39-F'37), Pres., Mng.
 Dir., Hackbusch Electronics, Ltd., 23 Primrose Ave., Toronto 4, Ont., Canada.

 HACKE, JAMES B., JR. (SM'58), Physicist, GE Co.,
 735 State St., Santa Barbara, Calif.

- HACKEMEYER, ROY F. (S'57-A'59), Technician, Research & Dev., Sarkes Tarzian, Inc., E. Hillside Dr., Bloominaton Ind.
- HACKENBERG, FRANKLIN U. (S'52-A'53-M'58), Publications Engr., Warner, Inc., 522 5 Ave., New York 36, N.Y.
- N.Y.

 HACKENBERG, JOHN H. (M'45), Asst. to Telefax
 Research Engr., Western Union Telegraph Co., 60
 Hudson St., New York 13, N.Y.

 HACKENBERGER, RICHARD B. (A'58), Field Engr. &
 Administrator, Yewell Associates, Inc., Burlington, Mass.

 HACKER, PHILIP S. (A'55), Engr., Westinghouse Elec.
 Corp., Friendship Internat. A. Import, Baltimore, Md.

 HACKER, SANDER J. (S'49-A'52-M'57), Electrician,
 NBC & CBS TV, IATSE, Union No. 1, 254 W. 54 St.,
 New York, N.Y.

 HACKERT, WILLIAM, JR. (A'52), Electronics Engr.,
 Olympic Radio & Television, Inc., 3401 38 Ave.,
 Long Island City, N.Y.

 HACKETT, ALBERT H. (M'44), Apartado 1226, Caracas.

- Long Island City, N.Y.

 HACKETT, ALBERT H. (M'44), Apartado 1226, Caracas,
 Venezuela.

 HACKETT, ARTHUR J. (S'49-A'50-M'55), Instr.,
 Westchester Community College, 155 Battle Ave.,
 White Plains, N.Y.
- HACKETT, CHARLES M., JR. (S'54-M'55), Elec. Engr., GE Co., Ithaca, N.,Y. HACKETT, FREDERICK J. (A'51-M'55), Engr., Canadian Broadcasting Corp., CBW Transmitter, Carman, Man., Canada.

- Ganada.

 AGKETT, ROBERT E. (M'56), Research Scientlst, Univ. of Texas, Box 8036, Austin 12, Tex.

 HACKLEY, CDLIN A. (SM'58), R. F. Project Engr., ITE Circuit Breaker Co., Philadelphia, Pa.

 HACKLEY, CLARK L. (M'48), Engr., Systems Test Engra., D. S. D., GE Co., Syracuses, N. Y.

 HACKLEY, GEORGE E. (A'46-M'55-SM'57), Mgr., Prod. Planning, Microwave Components Lab., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 HACKLEY, R. A. (A'41-M'55), Research Engr., RCA Labs., Princeton, N.J.

 HACKMAN, HAROLD R. (M'57), Jr. Engr., Haller, Raymond & Brown, Inc., 124 N. Atherton S., State College, Pa.

 HADADY, ROBERT E. (M'53), Consolidated Electrodynamics
- COTIEGE, PA.

 HADADY, ROBERT E. (M'53), Consolidated Electrodynamics
 Corp., 300 N. Sierra Madre Villa, Pasadena, Calif.

 HADDAD, JACK D. (S'57-M'59), Quality Test Procedures
 & Test Engr., Lockheed Missiles & Space Div., Sunnyvale,
 Calif.
- HADDAD, JERRIER A. (M'50), Geni. Mgr., Advanced Dev. Div., IBM, 590 Madison Ave., New York 22, N.Y. HADDAD, MICHAEL T. (S'55-M'56), Elec, Engr., Research Labs, Div., Bendix Aviation Corp., Box 5115, Detroit, Mich.
- Mich.

 HADDAD, R. A. (M'59), Project Engr., RCA, Camden, N.J.

 HADDAD, SHEFFIELD G. (S'44-A'45-M'51), Field Sales

 Engr., Yewell Associates, Inc., Middlesex Tpke.,

 Burlington, Mass.

 HADDEN, FREDERICK A. (S'44-A'51-M'56), Pres.,

 Hadden Byrme & Co., 17057 Ventura Bivd., Encino, Calif.

 HADDEN, GEORGE H. (M'46), C. E. Kinsman Mfg. Co.,

 Laconia, N. H.

- Laconia, N. H.

 HADDOCK, ON E. (S'57-M'59), Jr. Engr., The Magnavox Co., 2131 S. Bueter Rd., Ft. Wayne 4, Ind.

 HADDOCK, FRED T. (A'42-M'55), Assoc Prof. of Elec. Engr., & Astronomy, Univ. of Michigan, Ann Arbor, Mich. HADDON, ALAN G. (M'55), Systems Engr., Canadian Marconi Co., 970 McEachran, Montreal, P. Q., Canada Marconi Co., 970 McEachran, Montreal, P. Q., Canada HADFIELD, BERTRAM M. (SM'47), Consulting Engr., 1295 Old Worcester Rd., Framingham Center, Mass.

 HAOGE, EUGENE (A'51-M'56), Sect. Head, Raytheon Mfg. Co., Maynard, Mass.

 HADIK-BARNOCZY, ANDREW B. (S'57-M'59), Microwave Engr., Dalmo Victor Div., Textron, 1515 Industrial Way, Belmont, Calif.

- Belmont, Calif.

 HAOLEY, ALLAN M. (A'43-SM'54), Oeputy Secy.,
 Advisory Group on Electronic Parts, 200 S. 33 St.,
 Philadelphia 4, Pa.

 HAOLEY, CHARLES E. (S'54-M'56), Engr., Collins
 Radio Co., Cedar Rapids, Iowa.

 HADLEY, CHARLES F. (S'35-A'39-M'45-SM'52),
 Research Assoc., Pan American Petroleum Corp.,
 Research Certer, Box 591, Tulsa 2, Okla.

 HADLEY, FRANK P. (M'57), IBM, Lincoln Lab.,
 Lexington, Mass.

 HADLEY, JAMES F. (S'46-A'50-M'58), Symyr. Sta.

 HADLEY, JAMES F. (S'46-A'50-M'58), Symyr. Sta.
- HADLEY, JAMES F. (S'46-A'50-M'58), Supvr., Standards Lab., Bendix Aviation Corp., Box 1159, Kansas City
- HADLOCK, CALVIN F. (SM'54), Mgr., Commercial Receiver Sect., National Co., 61 Sherman St., Malden, Mass. HADLOCK, CLAY K. (A'51-M'57-SM'58), Research Physicist, Hughes Aircraft Co., Culver City, Calif.
- Physicist, Hughes Aircraft Co., Culver City, Calif.
 HADLOCK, WILLIAM O. (SM'57), Editor, RCA Engineer, RCA, Camden, N.J.
 HAOSELL, GLEN C. (M'48-SM'55), Operations Analyst, Operations Analysis Office Hqrs., Strategic Air Command, Offutt AFB., Omaha, Neb.
 HADWICK, RAY E. (M'59), Maj., USAF, Exec. Officer, Ground Electronics Engrg. & Installation Agency, Griffiss AFB, N.Y.

- AFB, N.Y.

 HAEBERLIN, RICHARD O.W. (M'59), Engr., Canadair,
 Ltd., Box 6087, Montreal, P.Q., Canada

 HAECKLER, WILLIAM K. (S'57-M'58), Ensign, USN,
 Student Naval Aviator, USNAAS, Corry Field, Pensacola,
 Fla.
- HAEDECKE, AUGUST O. (SM'46), GE Co., Syracuse, N.Y. HAEFELE, DAVID M. (M'53), 4334 Glenwick Lane, Dallas,
- HAEFELE, GAYLORD V. (S'57-A'58), 511 Maple Blvd., Kansas City 24, Mo.

- Kansas Čity 24, Mo.
 HAEFELI, JOHN E. (A'54-M'58), Elec. Engr., ITT Labs.,
 Nutley, N.J.
 HAEFER, JAMES A. (S'56-A'57), Radio Engr., KMON,
 Tribune Bidg., Great Falls, Mont.
 HAEFFF, ANDREW V. (A'34-M'40-SM'43-F'49), V.P.,
 Hughes Aircraft Co., Culver City, Calif.
 HAEFNER, SYLVESTER J. (A'37-Va'39-SM'53), Consultant, USN Underwater Sound Lab., New London, Conn.
 HAEGELE, ROWLAND W. (S'47-A'48-M'50-SM'56),
 Mgr., Microwave Tube Lab., Eitel-McCullo-ghl, Inc.,
 1678 S. Pioneer Rd., Salt Lake City 4, Utah.

- HAEGER, JOHN R. (J'36-S'37-A'41-M'46), Sales Mgr., Weapon Systems, Defense Systems Dept., 300 S. Geddes St., Syracuse, N.Y.
 HAEHNLE, CLYDE G. (S'44-A'45-M'52-SM'56), Sr. Engr., Crosley Broadcasting Corp., 140 W. 9 St., Cincinnat 2, Ohio.

- nati 2, Ohio.

 HAENICHEN, JOHN C. (S'53-A'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 HAENSCHKE, DETLV G. (M'57), Mem. Tech. Staff, Bell Tel Labs., 463 West St., New York 14, N.Y.

 HAERLE, JOHN M. (M'57), Sales Mgr., Broadcast Div., Collins Radio Co., Cedar Rapids, Iowa.

 HAERTEL, DAVID G. (M'57), Asst. Prof., Milwaukee School of Engrg., 1025 N. Milwaukee St., Milwaukee, Wis.

 HAERTEL, MANFRED M. (S'42-A'44-M'55), Application Specialist, GE Co., 1860 Peachtree Rd., Atlanta 2, Ga.

 HAESELER, PAUL R. (S'45-M'55), Chief Engr., WBGO; Head, Science Dept., Board of Education, 31 Green St., Newark 2, N.J.

 HAETTENSCHWILLER, DUNSTAN L. (A'58), Contract Tech-
- HAETTENSCHWILLER, DUNSTAN L. (A'58), Contract Technician, Natl. Scientific Labs., 2010 Massachusetts Ave., N.W., Washington 6, D.C.
- N.W., Washington 6, D.C.

 Next., FENRY (5'53-A'54), Broadcasting Engr., (KCJB)
 North Dakota Broadcasting Co., Box 1712, Minot, N.D.
 HAFELY, CHARLES H. (A'42), Engr., Hafely Electronic Lab.,
 Rte 2, Box 739, Cayoe, S.C.
 HAFENMAIER, HERBERT F. (A'52-M'57), Engro., Administrator, Federal Electric Corp., Industrial Park, Paramus,
- HAFER, FREDERICK L. (S'49-A'50-M'56), Capt., USAF, Research & Dev., Officer, Hgrs., Air Force Missile Test Cen-ter, Patrick AFB, Fla.

- ter, Patrick AFB, Fla.

 HAFER, THOMAS W. (M'57), Sr. Staff Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 HAFERD, FRANKLIN H. (S'50-A'51-M'56), Oev. Engr., North Electric Co., 601 S. Market St., Galion, Ohio.

 HAFF, DONALD H. (S'57-M'59), Assoc. Engr., Pilotless Aircraft, Boeing Airplane Co., Box 107, Seattle 14, Wash.

 HAFF, MILTON C. (S'56-M'58), Assoc. Engr., Martin Co., Orlando. Fla.

- Aircraft, Boeing Airplane Co., Box 107, Seattle 14, wasn. HAFF, MILTON C. (S¹56-M¹58), Assoc. Engr., Martin Co., Orlando, Fla.
 HAFFTER, TOBIAS F. (A¹50-M¹55), Physicist, Brown Boveri Co., Ltd., Baden, Switzerland.
 HAFLER, DAVID (A¹57), Pres., Dyna Co., 617 N 41 St., Philadelphia 4, Pa.
 HAFLINGER, DAN J. (A¹52-M¹57), Sr. Engr., Dev., Stromberg-Carlson, 3.235 Hancock St., San Diego, Calif.
 HAFSTAD, LAWRENCE R. (SM¹52-F¹53), V.P., GMC, Box 188, North End Sta., Detroit 2, Mich.
 HAFSTROM, J. ROBERT (A¹41-M¹51-SM¹51), Pres., J. R. Hafstrom Associates, 7460 Girard Ave., La Jolla, Calif. HAFSTROM, WILLIAM F. (M¹47), Asst. to V. P., Bendix Aviation Corp., Baltimore 4, Md.
 HAFT, PHILIP S. (M³58), Elec. Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 HAGAMAN, BOYNTON G. (M¹54-SM¹55), Asst. Chlef Engr., Antenna Div., Developmental Engrg. Corp., 1001 Connecticut Ave., N. W., Washington 6, D.C.
 HAGAN, F. ROGER, JR. (A¹59), Tech. Writer, Westinghouse Elec. Corp., Baltimore 2, Md.
 HAGAN, RICHARD A. (M¹54), Mgr., Prod. Engrg., Solld States Prods., Inc., 1 Pingree, Salem, Mass.
 HAGAN, RICHARD A. (M¹54), Mgr., Prod. Engrg., Solld States Prods., Inc., 1 Pingree, Salem, Mass.
 HAGAN, HICHARD A. (M¹54), Mgr., Prod. Engrg., Solld States Prods., Inc., 1 Pingree, Salem, Mass.
 HAGENDRN, HENRY, JR. (A¹51), Engr., Crosby Labs., Inc., 299 Robbins Lane, Syosset, L.I., N.Y.
 HAGEDORN, JOHN, JR. (S¹55-M¹57), Staff Mem., Sandla Corr., Sandla Base, Albuquerque, N.M.
 HAGELBARGER, DAVID (S¹44-A¹48-M¹55), Physicist, Bell Tel. Labs., Murray Hill, N.J.
 HAGELGANS, EDWARD, JR. (A¹54), Electronics Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, C.11

- HAGEMAN, DONALD H. A. (A'54), Electronics Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills,
- HAGEMANN, JULIUS (SM'56), Div. Head, Scientific Dept. of USN Mine Defense Lab., Panama City, Fla.
 HAGEN, ARMIN A. (S'52-A'54-M'59), Sr. Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- HAGEN, DONALD H. (M'57), Sales Engr., Air-Marine Motors, Inc., 2221 Barry Ave., Los Angeles 64, Calif. HAGEN, DONALD L. (S'55-M'57), Elec. Engr., GE Co.,
- HAGEN, DONALD L. (S'55-M'57), Elec. Engr., GE Co., Syracuse, N.Y.

 HAGEN, DENO, (M'53), Electronic Evaluation, Private Consultant, 104 Monument Ave., Kissimmee, Fla.

 HAGEN, HANNS H. (S'57-M'59), Assoc. Engr., McOonnell Aircraft Corp., Box 516, St. Louis, Mo.

 HAGEN, HANNS H. (S'57-M'59), Assoc. Engr., McOonnell Aircraft Corp., Box 516, St. Louis, Mo.

 HAGEN, HERBERT B. (M'57), Sr. Geophysicist, Humble Oil Refining Co., Box 2180, Houston, Tex.

 HAGEN, JOHN P. (A'37-SM'47-F'54), Chief, Vanguard Div., Natl. Aeronautics & Space Administration, 4555 Overlook Ave., S.W., Washington 25, D.C.

 HAGER, CHARLES K. (M'55), Research Physicist, Varo M'9. Co., 2201 Walnut St., Garland, Tex.

 HAGER, DEAN N. (A'55), Radar Maint, Supvr., USAF, 67th Air Rescue Sodn., APO 202, N.Y.

 HAGER, FRED M., JR. (S'36-A'3B-SM'49), Cov.

 Engr., E. F. Johnson Co., Wasca, Minn.

 HAGER, KENNETH F. (M'58), Supvy. Electronics Engr., FAA, Box 440, Anchorage, Alaska.

 HAGER, M., FRANCIS (A'58), Sales Rep., Stanley K.

 Wallace Associates, Inc., Bpx 67, Lutz, Fla.

 HAGER, ROBERT E. (A'54), Design Engr., Union Switch & Signal Co., Braddock Ave., Swissvale, Pa.

 HAGER, TROBERT E. (M'58), Mem. Tech. Staff, Thompson-Ramo-Wooldridge, Inc., 5500 W. El Segundo Blvd., Hawthorne, Calif.

 HAGERTY, GEORGE E. (A'36-M'47), Engrg., Mpr., Westinghouse Branderastino Co., Inc., 1275, 42 St.

- Segundo Blvd., Hawthome, Cailf.

 HAGERTY, GEORGE E. (A'36-M'47), Engrg. Mgr.,
 Westinghouse Broadcasting Co., Inc., 122 E., 42 St.,
 New York 17, N.Y.

 HAGERTY, RAYMOND J. (S'57-M'58), Sr. Engr., Hughes
 Aircraft Co., Culver City, Cailf.

 HAGEY, LEE P. (S'42-A'52-M'57), Sr. Engr., Electro
 Voice, Inc., Buchanan, Mich.

 HAGEY, WILLIAM C. (SM'47), Govt. Contract Co-ordinatorQuality Assurance Mgr., Zenith Radio Corp., 6001 Dickens
 Ave., Chicago, III.

 HAGGAI, THEODORE F. (S'53-M'55), Research Engr.,
 RCA Labs., Princeton, N. J.

- 201 -HAG-HAL

- HAGGER, HANS J. (A'51-M'56), Research Mem., Swiss Federal Institute of Technology, Institute for High Frequency Techniques, 7 Ster wartstrasse, Zurich, Switzerland. HAGGERTY, PATRICK E. (A'45-SM'53-F'58), Pres. & Dir., Texas Instruments, Inc., 6DDD Lemmon Ave., Dallas
- HAGGIS, JOHN C. (S'56-A'58), Transitron Electronic Corp., Wakefield, Mass.
- HAGGOTT, JOHN C. (A'52), Producer-Dir., CBS-TV, 485 Madison Ave., New York, N.Y. HAGLER, LOUIS H. (A'56), Engr., Sperry Gyroscope Co.,

- HAGLER, LOUIS H. (A'564), Engr., Sperry Gyroscope Co., Phoenix, Ariz.

 HAGLUND, BROR R. (A'54-M'59), Electronics Engr., Genl. Dynamics Corp., Groton, Conn.

 HAGLUND, HOWARD H. (A'564), Dir., Engrg., Pacific Scientific Aeroprods., 1D242 Placentia Ave., Anaheim, Calif. HAGMAN, HENRY B. (A'49-M'55-SM'55), Application Engr., Raytheon Mfg. Co., Newton 58, Mass.

 HAGMANN, ROBERT W. (S'47-4'49-M'55-SM'58), 2D28 Meadow Ridge Dr., Lancaster, Pa.

 HAGNAUER, ROY A., JR. (S'52-A'53-M'59), Engr., GE. Co., Syracuse, N. Y.

 HAGNAUER, ROY A., JR. (S'53-A'54-M'59), Mem. Tech. Staff, Bell Tel. Labs., Cape Canaveral, Fla.

 HAGOPIAN, JACOB J. (S'40-A'41-M'48), Staff Engr., IBM Research Lab., San Jose, Calif.

 HAGOPIAN, NUBAR D. (M'59), Engr., Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston, Mass.

 HAGOPIAN, RICHARD H. (M'52), Mor., Computer Data Transducer Engrg., GE. Co., 951 Commercial St., Palo Alto, Calif.

- Alto, Calif.

 HAGRMAN, CECIL O. (A'57), TV Transmission Operator, Meredith WOW, Inc., 35 & Farnam, Omaha 4, Neb.

 HAGUE, ROBERT Z. (A'54), Dir., Research, Moog Valve Research Lab., Industrial Ave. at Park Pl., Paramus, N.J.

 HAGUE, WESLEY M., JR. (M'51), District Sales Mgr., Erie Resistor Corp., Lowell St., Carlisle, Mass.

 HAHN, ARTHUR C. (M'56), Sr. Craftsman, System Development Corp., 2400 Colorado, Santa Monica, Calif. HAHN, EDWARD F. (M'57), Assoc. Engr., IBM Research Lab., Poughkeepsie, N.Y.

 HAHN, GEORGE A. (M'58), Altenna Design Engr., Delay.
- HAHN, GEORGE A. (M'58), Antenna Design Engr., Dalmo Victor Co., 1515 Industrial Way, Belmont, Calif. HAHN, GEORGE K.P. (A'50), Electronics Engrg. Branch, FAA, Box 4009, Honolulu, Hawaii.
- FAR, BOX 4UUY, HOROIUIU, HAWAII.
 HANN, JACK (A'55), ASSt. Lab. Dir., Electronics Lab.,
 Pupin Cyclotron Lab., Dept. of Physics, Columbia Univ.,
 New York 27, N.Y.
 HANN, JOHN H. (S'32-A'36'M'55), Lt. Col., U.S. Army,
 Chief, Editorial Div., Artillery & Missile School, P & NRT,
 Ft. SIII, Okla.
- Ft. Sill, Okla.

 HAHN, NDRMAN G. (A'40-M'56), Chief Engr., Badger Broadcasting Co., 3B00 Regent St., Madison 5, Wis.

 HAHN, RICHARD F. (M'58), Mgr., Engrg. Dept., U.S. Testing Co., 1415 Park Ave., Hoboken, N.J.

 HAHN, STEVEN (M'56), Engr., Linde Air Prods. Co., 30 E. 42 St., New York 17, N.Y.

 HAHN, WILLIAM R., JR. (S'58-M'59), Instr., Elec. Engrg., Univ. of Maryland, College Park, Md.

- Univ. of Maryland, College Park, Md.

 HAHNEL, ALWIN (SM'56), 126 Burkedale Crescent,
 Rochester, N.Y.

 HAIBT, LUTHER H. (S'53-A'54), Assoc. Engr., IBM,
 Vorktown Heights, N.Y.

 HAID, HERBERT R. (M'58), Chief Project Engr., Bell
 Sound Div., Thompson-Ramo-Wooldridge, Inc., 555
 Marion Rd., Columbus 7, Ohio.

 HAIDLE, LEROY L. (S'58-M'59), Electronics Engr.,
 Naval Missile Test Center, Point Mugu, Calif.

 HAIGH, JOSEPH B. (A'52), Chief Engr., WJBK-TV-AM-FM,
 7441 2nd Ave., Detroit, Mich.
 HAIGH, EICHARD B. (S'54-M'56), Engr., Bendix Prods.

- 7441 2nd Ave., Detroit, Mich.
 HAIGH, RICHARD B. (S'54-M'56), Engr., Bendix Prods.
 Div., 400 S. Beiger St., Mishawaka, Ind.
 HAIGH, WILLIAM B. (S'56-M'58), Research Engr., Lockheed Aircraft Corv., Burbank, Calif.
 HAIJSMAN, LEO C. (M'58), 6187 Purdy Dr., Battle
 Creek, Mich.
 HAILES, WILLIAM D. (SM'45), Consulting Engr., Genl.
 Railway Signal Co., 801 West Ave., Rochester 11, N.Y.
 HAILEY, RAYMOND D. (A'56), Project Engr., ThompsonRamo-Wooldridge, Inc., Box 58574, Los Angeles 58,
 Calif.
- Calif
 HAILEY, WILLIAM H. (A'53-M'58), Sales Engr., E. B. Schwerin Co., 4210 Main St., Kansas City, Mo. HAILEY, WILLIAM M. (A'53-M'58), Box 3098, University Sta., Gainesville, Fla.
 HAILL, HARRY K. (M'58), Project Engr., Texas Instruments, Inc., 3609 Buffaio Speedway, Houston, Tex.
 HAIMOWITZ, BERNARD (A'42-M'52), Asst. Dir., Engrg., American Electronic Labs., Inc., 121 N. 7 St., Philadelphia, Pa.

- delphia, Pa.

 HAIMS, MURRAY J. (S'53-M'58), Assoc. Engr., IBM,
 Yorktown Heights, N.Y.

 HAIN, JOHN L. (S'51-A'53-M'58), Engrg. Specialist,
 Electronics, Pan American World Airways, Cocoa Beach, Fla.

 HAINES, ATWELL B. (A'46-M'55), Dir., Winston-Salem
 Labs., Bell Tel. Labs., 3300 Lexington Rd., WinstonSalem, N. C.
- Salem, N. C.
 HAINES, BERTRAM P. (A'43-M'55-SM'55), Chief Mech.
 Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34. Pa
 HAINES, CHARLES S. (S'57-M'58), Electronics Engr.,
 Magnavox Research Labs., 2255 Carmelina Ave., Los
 Angeles 64, Calif.
- HAINES, DONALD G. (A'43-SM'45), Chicago Regional Mgr., Electronics Div., Sonotone Corp., 4806 W. Chicago Ave., Chicago 51, III.
- HAINES, GEORGE L. (M'58), Engr., Collins Radio Co., Cédar Rapids, Iowa.
 HAINES, HOMER M. (M'55), Chief Engr., & V.P.,
 Northern Allegheny Broadcasting Co., 310 2nd Ave.,
 Warren, Pa.
- Walter, Fa.

 HAINES, RICHARD S. (M'56), Lt. Col., USAF, CMDR.,
 Western GEEIA Region, McClellan AF8, Calif.
 HAINES, WINSTON D. (M'51), Mgr.-Owner, E & H Television Service & Sales, 1450 Broadway, Burlingame, Calif.
- HAINING, LESTER E. (A'47-M'55), Engr., RCA, Moorestown, N.J. HAIR, ULIS R. (A'55), Test Engr., Convair, Ft. Worth 8, Tex.

- HAIRABEDIAN, BAROUYR Z. (M'58), Design Engr., IBM, Kingston, N.Y.
 HAIRE, BILLY G. (A'53-M'56), Pres. & Chief Engr., Coastal Electronics, Inc., Hwy 17, New Bern, N.C.
 HAIRE, DALLAS E., JR. (S'53-M'55), Service Manuals
 Engr., Lockheed Aricraft Corp., Marietta, Ga.
- HAIRE, PAUL F. (M'57), Electronics Scientist, Air Force Cambridge Research Center, CRRZ (35), Hanscom Field, Mass.
- Mass.
 HAISCHER, DONALD H. (A'56), Capt., USAF,
 Communications Inspector Hgrs. 18th Air Force, Donaldston AFB, Greenville, S. C.
 HAISLER, JDE B., JR. (S'56-M'59), Electronics Engr.,
 Temco Aircraft, Garland, Tex.
 HAISLIP, DAVID T. (M'56), Electronics Engr., USCG,
 c/o Cdr. 7th Coast Guard District, 15D S.E. 3rd Ave.,
- C/o Cdr. /ui Miami, Fla.

- C/o Cdr. 7th Coast Guard District, 15D S.E. 3rd Ave , Miaml, Fla.

 HAJEK, ARTHUR F. (J'37-A'40-M'55), Elec. Engr., Zenith Radio Corp., 6DD1 Dickens Ave., Chicago 39, III. HAJEK, ROBERT J. (S'51-A'54-M'57), Owner & Chief Engr., Commtronix Engrg., Box 62, Riverside, III. HAJEK, STANLEY J. (A'56-M'58), Field Engr., Bendix Radio Div., Owings Mill, Md.

 HAJIC, EARL J. (S'50-A'51-M'56), Dir., Countermeasure Techniques, Motorola Research Lab., Box 2072, Riverside, N.J.

 HAJIR, NABIL S. (S'57-M'59), 2936 S. Orange Dr., Los Angeles 16, Calif.

 HAJKO, HENRY J. (S'50-A'53-M'5B), Engrg. Training Coordinator, IBM, Airtourne Computer Labs., Owego, N.Y. HAJNIK, ANDREW T. (A'54), Design Engr., Autonetics, No. Amer. Aviation, Downey, Calif.

 HAKALA, PALMER E. (M'55), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.

- Lalli HAKANSSON, PER-OLOV E. (A'56), Research Engr., AGA, Lidingo, Sweden.
 HAKES, TRUMAN H. (M'56), Sr. Microwave Engr., Goodyar Aircraft Corp., 121D Massillon Rd., Akron 15, Ohio.
 HALADEJ, MACIEJ A. (M'56), Sr. Engr., Bendix Aviation Corp., 5630 Arbor Vitae St., Los Angeles 45, Cali

- HALADEJ, MACIEJA. (M'56), Sr. Engr., Bendix Aviation Corp., 5630 Arbor Vitae St., Los Anejees 45, Cali. HALAMA, HENRY J. (M'59), Assoc. Elec. Engr., Brookhaven Natl. Lab., Ubton. L.I.. N.Y. HALAS, EDWARD (S'33-A'55), Engr., Chrysler Corp., Detroit 31, Mich.

 HALBERT, JOSHUA L. (M'57), Research Geophysicist, Humble Oil & Refining Co., Houston, Tex.

 HALBGUERAX, MAURICE E. (M'57), B Rue de La Concorde, Villiers Sur Marne, S. et O., France.

 HALBIRT, CLIVE D. (S'55-M'57), Project Engr., Sperry Phoenix Co., Deer Valley, Phoenix, Ariz.

 HALCHAK, JOHN R. (A'52-M'57), Sr. Staff Engr., Avco. Mig. Co., Wilmington, Mass.

 HALCHUK, RICHARD A. (S'57-M'59), 217 Victoria Ave., W., Transconia, Man., Canada.

 HALCHUK, RICHARD A. (S'57-M'59), 77 Trainee, Chevrolet-Filint Mfg. Co., Flint, Mich.

 HALCOMB, JAMES L. (M'56), Electronics Systems Engr., Lockheed Missiles & Space Div., Sunnyvale, Callf.

 HALDER, GEORGE W. (A'43-M'47), Sr. Engr., Raytheon. Mfg. Co., Waltham 54, Mass.

 HALE, C. RUSSELL (A'54-M'55), Patent Lawyer, Christie, Parker & Hale, 595 E. Colorado St., Pasadena 1, Calif.

 HALE, DAVID R. (S'57-A'58), 4035 W. 16 Ave., Vancouver B. C., Canada.

 HALE, EDWARD M. (M'50-SM'58), Research Geophysicist, Humble Oil & Refining Co., Houston Research Center, Box 2180, Houston 1, Tex.

 HALE, CRORGE R. (S'53-A'54-M'59), Electronics Engr., Pacific GEEIA Region, Box 40, APO 323, San Francisco, Calif.

 HALE, HAROLD D., JR. (M'59), Suppy. Genl. Engr., Head

- HALE, HAROLD D., JR. (M'59), Supvy. Genl. Engr., Head Calibration Div., U. S. Navy Central Toroedo Office, New-port, R.I.
- MALE, HARRY W. (SM'58), Head, Elec. Engrg. Dept., Wayne State Univ., Detroit 2, Mich. HALE, JAMES R. (S'58-M'59), Research Engr., Lockheed Aircraft Corp., 1705 Victory Pl., Burbank, Calif.
- HALE, LESLIE C. (S'52-A'53-M'5B), Staff Mem., Los Alamos Scientífic Lab., Los Alamos, N.M. HALE, LESLIE N. (M'58), 505 Amberly Rd., Glen Burnie, Md.

- HALE, LESLIE N. (M'58), 505 Amberly Rd., Glen Burnie, Md.

 HALE, RICHARD A. (M'59), Lead Aerodynamics Engr., Chance Vought Aircraft Co., Dallas, Tex.

 HALE, RICHARD E. (S'53-A'54), Electronics Engr., Motorola, Inc., 8201E. McDowell St., Phoenix. Ariz.

 HALE, ROBERT J. (A'59), Jr. Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 HALE, STEWART T. (A'51), Combination Man, Class A, Northwest Telephone Co., Vancouver, B. C., Canada.

 HALEM, NORMAN (S'57-A'57), Electronics Technician, Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.

 HALEMBECK, ARTHUR D. (A'51-M'58), Sr. Project Engr., Packard-Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.

 HALES, EVERETT B. (A'49-M'55), Dept. Head, Computer Engr., Dept., Genl. Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.

 HALES, FRANK B. (A'41-M'55), Chief Engr., Radio Sta.,

- Pleasantville, N.Y.

 HALES, FRANK B. (A'41-M'55), Chief Engr., Radio Sta., WBRY, 136 Grand St., Waterbury 20. Conn.

 HALEY, IRVING (A'45-M'52-SM'53), Tech. Consultant, Sureau of Aeronautics, Navy Dept., Washington 25, D.C.

 HALEY, ALVIN J. (S'47-A'52-M'57), Project Engr., Applications Dept., Electronic Tube Div., Westinghouse Elec. Corp., 8ath, N.Y.

 HALEY, DOUGLAS C. (A'54), Sr. Electronics Systems Engr., Lockheed Aircraft Corp., Marietta, Ga.

 HALEY, ROBERT G. (S'56-M'58), 1st Lt., Army, Instr., Tech. Div., U.S. Army Signal Corps School, Ft. Monmouth, N. J.

- mouth, N. J.

 HALFORD, JOHN H. JR. (M'46), V.P., Brunswick Worsted
 Mills, Moosup, Comn.

 HALFVARD, RAYMOND (M'58), Supvg. Engr., Radio Systems, Bell Tel. Co. of Canada, 1050 Beaver Hall Hill,
 Montreal, P. Q., Canada.

 HALLJAK, CHARLES A. (S'47-A'49-M'52), Assoc. Prof.,
 Elec. Engrg. Dept., Kansas State College, Manhattan,
 Kan.

- HALINA, JOSEPH W. (S'4B-A'50-M'55), Sr. Mem. Tech. Staff, ITT Labs., 937 Commercial St., Palo Alto, Calif. HALINTON, HARRY (M'44), Owner, Sales Engr., Harry Hainton, 6400 N. Leoti Ave., Chicago 46, III. HALIO, MORRIS (A'54-M'59-SM'59), Operations Research Analyst, Air Defense Command, Det. 2, McGuire AFB, Trenton, N. J.
- Trenton, N. J.

 HALKET, DONALD R. (S'50-A'51-M'57), Engrg. Group
 Leader, Missile & Surface Radar, RCA, Moorestown, N. J.

 HALKO, JOSEPH W. (S'58-M'59), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 HALL, ALBERT C. (A'39-SM'46-F'5B), Dir., Research,
 Martin Co., Denver, Colo.

 HALL, ALBERT E. (S'56-M'58), Elec. Engr., Boeing Airplane Co., Wichita, Kan.

 HALL, ALVIN P. (M'58), 795 Gailen Ave., Palo Alto,
 Calii.

 HALL, ARIJOF A. (S'53-M'64), Sec. France, Calii.

- Calif.
 HALL, BRUCE A. (S'51-M'56), Sr. Engr., Raytheon Mfg.
 Co., Bedford, Mass.
 HALL, CECIL A. (S'58-M'59, Elec. Engr., Hughes Aircraft Co., Tucson, Ariz.
 HALL, CHARLES M. (A'56), Maj., USAF, Hgrs. USAFE
 IG, APD 633, New York, N. Y.
 HALL, CHARLES R. (S'52-A'53-M'58), Project Engr.,
 Ratigan Electronics, Inc., 425 W. Cypress, Glendale 4,
 Calif.
- Calif.

 HALL, CLIFFORD C. (S'55-M'56), Dev. Engr., Nems-Clarke Co., 919 Jessup-Blair Dr.. Silver Sorino. Md.

 HALL, CLYDE A. (A'51), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 HALL, DONALD B. (S'52-A'53-M'54), Applications Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

 HALL, E. CARL (A'41-M'54), Retired, 420 Lewis St., Los Angeles 42, Calif.

 HALL, E. L. (A'2B-SM'46), Electronics Scientist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 HALL, E. DWARD G. (A'43-M'48), Lenkurt Electric Co., San Carlos, Calif.

 HALL, EANCIS T. JR. (A'38-M'45), Prof., Elec.

- San Carlos, Calif.

 HALL, FRANCIS T., JR. (A'38-M'45), Prof., Elec. Engra., The Pennsylvania State Univ., State College, Pa. HALL, GEORGE D. (S'51-A'53-M'58), Elec. Engra., Hughes Aircraft Co., Culver City, Calif.

 HALL, GERALD L. (S'56-M'58), Engr., Hall Refrigeration, 5240 N. W. 7 Ave., Miami 37, Fla.

 HALL, GILBERT D. (A'47-M'55), Research Engr., Univ. of Michigan, Willow Run Research Center, Willow Run Airport, Ygsifanti, Mich.

 HALL, GLENN M. (S'50-A'51-M'56), Mgr., State of Connecticut & Western Mass., Motorola Communication & Electronics, Inc., 1D Hiram Lane, Bloomfeld, Conn. HALL, GRAHAM D. (S'57-M'59), Electronics Engr., FAA, Box 1689, Ft. Worth, Tex.

- Box 16B9, Ft. Worth, Tex.

 HALL, GRAHAM G. (A'37-VA'39-M'49), Commercial
 Applications Engr., Ducon Condenser, Ltd., Priv. Bag No.
 2, P. O. Villawood, N. S. W., Australia.

 HALL, HARLAN R. (A'56), Chief Engr., Ultrasonic Engrg.
 Co., 1613 S. 3rd Ave., Maywood, Ill.

 HALL, HARQLD R. (S'55-M'58), Chief Engr., Filter &
 Toroid Div., Tansonic, Inc., 8DB 16 St., Bakersfield,
 Callf.

- Calif.

 ALL, HARVEY (SM'55), Prof. & Head, Physics Dept., Florida State Univ., Fallahassee, Fla.

 HALL, HERRY D. (A'51-M'5B), Head, Standards Sect., Genl. Precision Lab., Inc., Pleasantville, N.Y.

 HALL, HERRY P. (S'50-A'51-M'56), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 HALL, HERRY S. (SM'59), Sr. Engr., Compone: the Analysis, Sylvania Electronic Systems, Waltham, Mass.

 HALL, HOWARD S. (A'53-M'58), Sr. Engr., Western Electric Co., 2500 Broening Hwy., Baltimore 24, Md.

 HALL, IRVING A., JR. (M'48), Communications Engr., Tropical Radio Telegraph Co., Hingham, Mass.

 HALL, JAMES A. (SM'59), Mgr., Camera Tube Engrg., Westinghouse Elec. Coro., Box 284, Elmira, N.Y.

 HALL, JAMES E. (A'55), Industrial Salesman, Standard Supply Co., Salt Lake City, Utah.

 HALL, JAMES C. (S'75-M'58), Corrosion Engr., The Manu-HALL, JAMES C. (S'75-M'58), Corrosion Engr., The Manu-

- Supply Co., Salt Lake City, Utah.

 HALL, JAMES C. (S'57-M'58), Corrosion Engr., The Manufacturers Light & Heat Co., Pittsburgh, Pa.

 HALL, JAMES M., JR. (M'57), Chief Engr., P. R. Mallory Co., Inc., 3029 E. Washington St., Indianapolis, Ind. HALL, JAMES R. (S'49-A'52-M'75), Cheef Engr., RCA, Camden, N.J.

 HALL, JAMES R. (M'58), Electronics Engr., FAA, 17 & Constitution, Washington, D.C.

 HALL, JAMES S. (S'47-A'49-M'5B), 1441 Drummond, Montreal 25, P.Q., Canada.

 HALL, JAMES S. (S'47-A'49-M'57), Assoc. Engr., Elec. Engr., McDonnell Aircraft Corp., Lambert Field, St. Louis, Mo.

 HALL, JAMES S. (S'49-A'52-M'56), Sr. Engr.

- LOUIS, MO.

 HALL, JOHN D. (S'49-A'52-M'56), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 HALL, JOHN N. (SM'56), Research & Dev. Consultant,
 Bureau of Ships, Navy Dept., Washington, D.C.

 HALL, JOHN R. (M'48-SM'54), Sr. Engr., Continental
 Electronics Mfg. Co., 4212 S. Buckner Blvd., Dallas
 27. Tex.
- 2/, iex.

 HALL, JOHN T. (M'58), Plant Mgr., Gavitt Wire & Cable Co., 455 N. Quince St., Escondido, Calif.

 HALL, JOHN W. (S'54-A'55-M'5B), Group Leader, Sr. Reliability Engr., Dalmo Victor Co., 1515 industrial Way, Belmont, Calif.
- HALL, KENNETH A. (M'56), Mem. Tech. Staff, Space Technology Labs., Inc., 5730 Arbor Vitae, Los Angeles 45, Calif.
- 45, Calif.

 HALL, LESLIE S. (M'39-SM'43), Sr. Field Engr., Inglis Electrix, Rose St., Annandale, Sydney, N.S.W., Australia. HALL, MARVIN L. (A'52-M'58), V.P. & Dir., Engrg., Odex Engrg. & Mfg. Co., Houston, Tex.
 HALL, NATHAN I. (SM'47-F'56), V.P. Engrg., Hughes Aircraft Co., Culver City, Calif.
 HALL, OLIVER E. (A'53-M'55), Inertial Navigation Unit Head, Bureau of Aeronautics, Navy Dept., Washington 25, D.C.
- HALL, ORVILLE C. (A'53-M'58), Supvg. Engr., Westing-house Elec. Corp., Electronics Div., Box 746, Baltimore 3, Md.
- HALL, PETER R. (S'55-M'59), Engr., Raytheon Mfg. Co., Waltham, Mass.

- HALL, RALPH L. (SM'57), Sect. Head, Systems, Republic Missile Systems Div., 233 Jericho Tpke., Mineola, L.I.,
- Missile Systems DIV., 233 JETICHO TIPKE., MITHEUTA, L.I., N.Y.

 N.Y.

 HALL, RAYMOND E. (A'36-VA'39-M'55), Prop., Electrical & Mechanical Design Co., Box 706, Clark, N.J.

 HALL, RICHARD M. (S'49-A'50-M'55), Sr. Project Engr., Sperry Phoenix Co., Phoenix, Arlz.

 HALL, ROBERT C. (A'47-M'55), Mgr., Plant Services, American Airlines, Inc., 100 Park Ave., New York, N.Y.

 HALL, ROBERT J. (SM'53-M'59), Principal Engr., Bendix Radio Div., Towson 4, Md.

 HALL, ROBERT N. (SM'53-M'59), Pott. Chief, Systems Testing, Western Electric Co., 220 Church St., New York 13, N.Y.

 HALL, ROBERT S. (S'48-A'50-M'55), Engr., Lab., Mc-

- Vok 13, N.Y.

 HALL, ROBERT S. (S'4B-A'50-M'55), Engr., Lab., Mc-Donnell Aircraft Corp., St. Louis 3. Mo.-HALL, ROBERT T. (4'4B-M'55), Site Engr., Mitre Corp., Box 20B, Lexington 73, Mass.
 HALL, ROBERT W. (4'54), Ordnance Engr., U. S. Army, Office Chief of Ordnance, Pentagon, Washington 25, D.C.
 HALL, ROBERT W. (4'55), Internati. Sr. Engr., RCA, Clark, N.J.
- Clark, N.J.

 HALL, RODERIC E. (A'51-M'56), Sect. Head, Device
 Dev., Transitron Electronic Com., Albion St., Wakefield,
- Dev., Transitron Electronic Corp., Albion St., Wakefield, Mass.

 HALL, ROGER D. (A'55-M'57), Elec. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif. HALL, ROY E. (S'49-A'51-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif. HALL, SCOTTF. (SM'5B), Sr. Engr., Airborne Instrument Lab., Mineola, L.I., N. Y.
 HALL, STANLEY C. (A'59), Research Asst., Radio Propagation Lab., Stanford Univ., Stanford, Calif. HALL, THAYER D. (A'48-M'55), Chief Elec. Engr., Scott Beamer, 47B Santa Clara Ave., Oakland 10, Calif. HALL, THEODORE F. (S'53-A'53-M'57), Research Engr., Control Systems, Lockheed Missile Systems Div., Sunnyvale, Calif. HALL, THOMAS G. (A'5B), Electronics Scientist, Naval Research Lab., Washington 25, D.C.
 HALL, THOMAS G. (A'43-M'55), Electronics Engr., FAA, 5651 W. Manchester St., Los Angeles 45, Calif. HALL, THOMAS W. (A'59), Radar Technician, RCA Missile Test Project, Patrick AFB, Fla.
 HALL, THOMAS W. (A'46-M'55), V.P., Engro., Canadian Electronics, Ltd., Cor. 107 Ave. & 109 St., Edmonton, Alta., Canada.
 HALL, WAYLAND N. ('57-M'5B), Engr., Western Electric Cor., Canell Tell., Ser. Williams W. M. S. Western Electric Cor., Canell Tell., Ser. Williams W. M. Ser.

- Alta., Canada

 Alta., VAYLAND N. ('57-M'5B), Engr., Western Electric
 Co., c/o Bell Tel. Labs., Whippany, N. J.

 HALL, WILLIAM G. (5'56-M'57), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N. J.

 Rectifier Components, GE

- Rectifier Components, GE Co., Auburn, N.Y.
 HALL, WILLIAM H. (M'55), Electronics Engr., Bendix
 Aviation Corp., 95 & Troost St., Kansas City, Mo.
 HALL, WILLIAM H. C. (S'49-A'50-M'55), Engr., Page
 Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

- ington 5, D.C.

 HALL, WILLIAM M. (A'23-M'44-SM'45), Staff Engr.,
 Raytheon Mfg. Co., Wayland, Mass.

 HALL, WILLIAM W., JR. (M'54), Maj., Asst. U.S. Amiy
 Attache, U.S. Amy Signal Corps., American Embassy,
 Athens, Greece.
- HALL, WINDSOR S. (M'57), Electronics Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- 13, Unio.

 HALLAM, JOHN T. (A'26-VA'39-M'55), Plant Engr.,
 WOAl-AM, Southland industries, Inc., 1031 Navarro,
 San Antonio 6, Tex.

 HALLAM, PAUL A. (S'54-A'55), Design Engr., Radio
 Valve Co., Ltd., 1B9 Dufferin St., Toronto 3, Ont.,
 Canada.
- HALLAND, LYLE J. (A'5B), Jr. Engr., Telex Co., 1633 Eustis, St. Paul, Minn. HALLBECK, RICHARD F. (S'51-M'55), Production Engr., Eltel-McCullough, Inc., 79B San Mateo Ave., San Bruno,
- Calif.

 HALLDEN, FRED C. (SM'54), Engr., Airborne Instruments
 Lab., 160 Old Country Rd., Mineola, L.I., N.Y.

 HALLDORSSON, SIGURDUR (M'56), Consulting Engr.,
 Box 932, Reykiavik. Leeland.

 HALLDORSSON, THORGRIMUR J. (A'55), Fleld Engr.,
 (Electronics), 1971st AACS Sqdn, USAF, Keflavik
 Airport, Iceland.

- Airport, Iceland.

 Airport, Iceland.

 HALLE, CHARLES F. (A'50), Chief Engr., WENH-TV, Univ. of New Hampshire, Durham, N.H.

 HALLEN, EDWARD (M'45), Chim., Communications Dept., Eastern Instr. Training Center, Office of Civil & Defense Mobilization, Brooklyn 35, N.Y.

 HALLEN, JACK (S'56-A'5B), Sr. Electronics Technician Motorola, Inc., B201 E. McDowell Rd., Phoenix, Ariz.

 HALLENBECK, FRANCIS J. (SM'47), Systems Dev. Engr., Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.

 HALLENBECK, RICHARD A. (S'55-M'57), Engr., Pitney-Bowes, Inc., Stamford, Conn.

 HALLENBERG, JAMES N. (M'51-SM'5B), Sr. Engr., Schlumberger Well Surveying Corp., 5000 Gulf Freeway, Houston 1, Tex.
- HALLENSTEIN, NATHAN A. (A'31-VA'39-M'55), Engr.,-in-Chg., FCC, 1600 Customhouse, Boston, Mass.
 HALLER, EDGAR J. (A'47), TV Technician, WMAR-TV,

- Baltimore, Md.

 HALLER, FRANKLIN B. (A'55), Electronics Technician, Natl. Bureau of Standards, Boulder, Colo.

 HALLER, GEORGE L. (A'2B-M'36-5M'43-F'50), V.P., GE Co., Syracuse, N.Y.53-M'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HALLETT, JOHN L. (S'56-A'56), Electronics Technician, Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

 HALLETT, JOSEPH L., JR. (S'52-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 HALLETT, PAUL C. (S'56-M'57), Instr., Oklahoma State
- Sylvania Elec. Prods., Inc., Waltham, Mass.
 HALLETT, PAUL C. (S'56-M'57), Instr., Oklahoma State
 Univ., 517 N. Hester St., Stillwater, Okla.
 HALLFORD, BEN R. (S'47-A'49-M'55), Elec. Engr.,
 Collins Radio Co., 1937 Irving Blvd., Dallas, Tex.
 HALLICR, JOSEPH A. (A'5B), Field Engr., RCA Service
 Co., Camden B, N. J.

- HALLIDAY, JOHN R. (M'51), Electronics Engr., Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M. HALLIDAY, OTIS T. (SM'59), 2415 Brazoria, Houston 19, Tex.
- Tex.
 HALLIDAY, ROBERT E. (A'5B), 662 Ave. Alepin, La Salle, Montreal, P. O., Canada.
 HALLIDAY, ROBERT G. (S'50-A'52-M'57), Staff Mem. Ramo-Wooldridge Corp., Box 45564, Airport Sta., Los Angeles 45, Calif.
- HALLIGAN, WILLIAM J. (A'53-M'5B), Chmn. of the Board & Pres., The Hallicrafters Co., 4401 W.5 Ave., Chicago 24, Ill.

- 24, III.

 #ALLINAN, CHARLES (M'50), Chief Engr., WKOP, AM &
 FM, 34 Chenango St., Binghamton, N.Y.

 #ALLINE, EDWIN G. (S'53-A'54), Mem. Tech. Staff,
 Bell Tel. Labs., 463 Wess St., New York 14, N.Y.

 #ALLISEY, ROBERT J. (A'51-M'56), Electronics Engr.,

 #azeltine Electronics Div., Little Neck 62, L.I., N.Y.

 #ALLMAN, ALBERT B. (S'56-M'58), Lt., USN, Navigator,
 Operations Officer, USS Spinax (SSR-4B9), FPO San

 Francisco, Calif.
- Francisco, Calif.

 ALLMAN, JAMES I. (S'52-A'55), Electronics Engr.,
 Ballistics Research Lab., Aberdeen Proving Ground, Md.
 HALLMAN, L. B., JR. (J'27-A'29-SM'44-F'52), Tech.
 Dir., Communications & Navigation Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- velopment Center, Wright-Patterson AFB, Ohio.

 HALLMARK, CLYDE E. (A '41-SM'46), Consulting Engr., 2 Werling Rd., New Haven, Ind.

 HALLMARK, GLEN D. (M'55-SM'59), Prof. & Head. Elec. Engr., Dept., A & M College of Texas, College Sta., Tex.

 HALLOCK, DONALD G. (S'50-A'51-M'56), Dev. Engr., IBM, Poughkeepsie, N.Y.

 HALLOCK, HERBERT B. (SM'5B), Infrared Engr., Grumman Aircraft Engr., Corp., Bethpage, L.I., N.Y.

 HALLOCK, MARTHUR H. (SM'59), Retired, 1020 Union St., No. 10, San Francisco 11, Calif.

 HALLORAN, RIELE G. (A'53-M'5B), Sr. Analytical Engr., Marquardt Aircraft Co., 16555 Saticoy St., Van Nuys, Calif.

 HALLORAN, T. WILLIAM (M'59), Engr., Group Leader.

- Call!

 HALLORAN, T. WILLIAM (M'59), Engr., Group Leader,
 Research & Dev., Avco Mfg. Corp., 201 Lowell St.,
 Wilmington, Mass.

 HALLORAN, THOMAS F. (A'55), Consultant, Booz, Allen & Hamilton, 3BO Madison Ave., New York 17, N.Y.

 HALLORAN, VINCENT P. (A'57-M'5B), Electronics Maint.
 Technician, FAA, New York Internati. Airport, Jamaica 30, L.I., N.Y.
- HALLOWES, JOHN P., JR. (A'54-M'59), Supvy. Electronics Scientist, Ordnance Missile Labs., Redstone Arsenal, Huntsville, Ala.
- HALLQUIST, GEORGE W. (S'52-M'57), 137B5 Brussells Ave., Sylmar, Calif.

- Ave., Sylmar, Calif.

 HALONEN, CARL A. (A'57), Sr. Electronics Engr., Convair, San Diego, Calif.

 HALPERIN, ARNOLD (M'57), Engr., Sonotone Corp., Elmsford, J.I., N.Y.

 HALPERN, EDWARD L. (M'5B), Electronics Engr., ITT Labs., Nutley, N.J.

 HALPERN, HENRY M. (S'49-A'51-M'5B), Engrg. Group Leader, RCA Defense Electronic Prods., Camden, N.J.

 HALPERN, HOWARD S. (M'54), Sr. Engr., Norden Oiv., United Aircraft Co., 121 Westmoreland Ave., White Plains, N.Y.

- N. Y.
 HALPERN, JOHN (M'56), Physicist, MIT, Lincoln Lab.,
 Lexington 73, Mass.
 HALPERN, MILTON (A'53-M'5B), Staff Engr., Instruments
 for Industry, 101 New South Rd., Hicksville, L.I., N. Y.
 HALPERN, PETER H. (M'59), Engr., IBM, Owego, N. Y.
 HALPERN, ROBERT E. (S'57-M'59), Elec. Engr., U.S.
 Army Signal Research & Development Labs., Ft. Monmouth,
 N.J.
- HALPERN, ROBERT L. (SM'56), Mgr., Electronics Research, Lockheed Missile & Space Div., 7701 Woodley Ave., Van Nuys, Calif.
- HALPERN, SIEGMUND (SM'59), 520 King George Rd., Haddonfield, N.J.
- HALPERN, WILLIAM (M'55), Elec. Engr., Tel-Ray Tube Co., Saw Mill River Rd., Yonkers, N.Y. HALPIN, ARTHUR T., JR. (M'5B), Sr. Engr., Sylvania Elec. Prods., Inc., 35-22 Linden Pl., Flushing, L.I., N.Y.

- Lec. Proos., Inc., 35-22 Linden PI., Flushing, L.I.,
 N.Y.

 HALPRIN, JUSTIN IA'53), Sales Engr., The I. E. Robinson
 Co., 905 Main St., Asbury Park, N.J.

 HALPRIN, LEWIS H. (S'54-M'57), Electronics Engr.,
 U. S. Army Signal Engre, Labs., Fl. Monmouth, N.J.

 HALSALL, DONALD L. (SM'59), Quality Control Mgr., Radic
 Valve Co., Ltd., Box 525, Weston, Toronko, Ont., Canada.,
 RKO Pathe, Inc., 105 E. 106 St., New York 29, N.Y.
 HALSEY, JOHN E. (A'56), Jr. Engr., Ultra Electric, Ltd.,
 Stonefield Way, S. Ruislip, Middle., England.
 HALSELM, MAURICE R. (S'53-M'56), Instr., Elec. Engrg.,
 Purdue Univ., Lafayette, Ind.
 HALSTEAD, FLOYD H., JR. (S'50-A'52-M'57), Engrg.
 Designer "B", Boeing Airplane Co., Seattle, Wash.
 HALSTEAD, WALTER K. (S'38-A'43-SM'54), Myr., Electronic Business Systems Planning, RCA Electron Tube Div.,
 Harrison, N.J.

 HALSTEAD, WILLIAM 3. (M'55), Head, Tech. Terminal
- HALSTEAD, WILLIAM R. (M'55), Head, Tech. Terminal D.v., Charlotte College, 221 N. Cecil St., Charlotte 4, N.C.
- N.C.

 HALSTED, CHARLES P. (S'50-A'52), Elec. Engr.,
 Burroughs Corp., Great Valley Lab. #1, Paoli, Pa.

 HALSTED, GEORGE P. (A'50-M'55), Servomechanism
 Engr., Bell Aircraft Corp., Buffalo 5, N.Y.

 HALTER, JOHN E., JR. (M'59), Sales Engr., Lansdale
 Tube Co. Div., Philoo Corp., 1435 S. LaCienega, Lo
 Angeles 35, Calif.
- Angeles 35, vair.

 HALTIWANGER, JOHN C. (A'55), Sr. Engr., Melpar, Inc.,
 3000 Arlington Blvd., Falls Church, Va.

 HALTON, EDWARD B. (S'47-A'4B-M'55), Asst. Prof.,
 Physics, Providence College, Providence 8, R.1.
- HALUGA, MATTHEW G. (A'57), 4920 N. Magnolia, Chicago
- 40, III.

 HALUSHYNSKY, GEORGE D. (M'59), Engr., RCA,
 Camden 2, N.J.

 HALVERSON, RICHARO P. (A'52-M'57), Instr., Dept. of
 Elec. Engro., Univ. of Minnesota, Minneapolis, Minn.

 HALVERSON, STEVEN L. (S'49-A'50-M'55-SM'59), Project
 Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago, III.

- HALVORSEN, HAROLD W. (A'50), Electronics Engr., Natl. Scientific Labs., 2010 Massachusetts Ave., N.W., Washington, D.C.
- Washington, D.C.
 HALVORSON, ALAN L. (S'57-M'5B), Design Engr.,
 Chrysler Corp., Detroit, Mich.
 HALVORSON, ROBERT L. (M'55), Sales Mgr., Transhorizon Communications, Collins Radio Co., 1930
 Hiline Dr., Dallas, Tex.

- HAM, BURLEY D. (A'57), Owner, Radio & TV Repair, 186 Odelle Dr., Akron, Ohio.

 HAM, DANIEL W. (M'57), Tech. Assoc., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 HAM, DONALD L. (S'49-A'52-M'57), Elec. Design Sect. Head., Norden Labs., 121 Westmorland Ave., White Plains, N.Y.

- Plains, N.Y.

 HAM, GUILFORD (A'39-VA'39), 35 Westwood St., Wavell Hgts., Brisbane N 10, Queensland, Australia.

 HAM, NORTH C. (A'45-M'55), Project Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 HAMANN, KENNETH R. (A'54-M'55), Chief Engr., Cleveland Recording Co., 1515 Euclid Ave., Cleveland 15, Ohio.
- HAMMANN, OMER F. (S'47-A'49), Tech. Specialist, Strom-berg-Carlson, 1895 Hancock St., San Diego, Calif. HAMMANT, DANIELS (M'56), Administrative Mgr., Microwave-Power Tube Research & Dev. Lab., Raytheon Mfg. Co., Waltham, Mass.
- Waltham, Mass.

 HAMBLEN, JOHN W. (M'52), Sr. Engr., Johns Hopkins
 Univ., Applied Physics Lab., Silver Spring, Md.

 HAMBLETON, GEORGE E. (M'5B), Chief Microwave Device
 Sect., Physical Electronics Branch, U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.

 HAMBLETON, PHILIP N. (SM'49), Mgr., Research &
 Dev. Tubes, CBS-Hytron, Kent & Warren Sts., Newburyport, Mass.
- HAMBLIN, LEROY A. (A'5B), Electronics Technician, Electronic Communications, Inc., Marine Base, St. Petersburg, Fla.
- HAMBLY, MERLE E. (S'57-A'5B), 3066 Columbia St., San Diego, Calif.

- HAMBLY, MERLE E. (S'57-A'5B), 3066 Columbia St., San Diego, Calif.

 HAMBRIGHT, WILLIAM A., JR. (S'56-M'59), Engr., Western Electric Co., 204 Graham-Hopedale Rd., Burlington, N.C.

 HAMBROCK, HAROLD E. (S'54-M'57), Engr., ITT Federal Div., 3200 Wayne Trace, Ft. Wayne, Ind.

 HAMBURGEN, ARTHUR (S'4B-A'9-M'56), Project Engr., Prod. Dev. Lab., IBM, Endicott, N.Y.

 HAMBURGER, FERDINAND, JR. (A'32-M'39-SM'43-F'53), Prof., Elec. Engrg., The Johns Hopkins Univ., Charles & 34 Sts., Baltimore 1B, Md.

 HAMBURGER, JOSEPH (M'59), Engr., Westinghouse Elec. Corp., Box 746, Baltimore, Md.

 HAMBURGER, THEODORE (S'54-A'55), Engr., Westinghouse Elec. Corp., Box 1897, Friendship Internatl. Airport, Baltimore 15, Md.

 HAMBY, HAROLD W. (A'58-M'5B), Onwer, Wayne Hamby

- HAMBY, HAROLD W. (A'5B-M'5B), Ohwer, Wayne Hamby Radio, Box 351 Broad St., Boaz, Ala.

 HAMBY, HAROLD W. (A'5B-M'5B), Ohwer, Wayne Hamby Radio, Box 351 Broad St., Boaz, Ala.

 HAMBY, JEFFERSON O. (A'51-M'56), Project Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 HAME, TREVOR G. (SM'5B), Asst. Prof. & Assoc. Supr., Elec. Engro. Dept., Ohio State Univ., N. High St., Columbus 1, Ohio.

 HAMEL, GAYLE E. (A'59), Test Technician, Research & Dev. Lab., Telex, Inc., 1633 Eustis, St. Paul 1, Minn.

 HAMEL, YVES R. (S'52-M'5B), Chief Engr., St. Maurlec

 Television Sta., CKTM-TV, Trois Rivleres, P.Q., Canada.

 HAMER, EDWARD G. (SM'56), Supry. Engr., Electronics

 Div., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

- MUL.

 HAMER, HOWARD (A'50-SM'55), Chief Engr., Genl.
 Devices, Inc., Princeton, N.J.

 HAMER, W. ARNOLD (A'57), Chief Audio Engr., Kay Electric Co., 14 Maple Ave., Pine Brook, N.J.

 HAMERMAN, LAWRENCE M. (S'55-M'57), Field Service
 Rep., HMED, GE Co., Co PAA/GE, San Salvado AAFB,
 Patrick AFB, Fla.
- HAMES, ALLAN L. (A'4B-M'55), Mgr., Broadcast Service, Canadian GE Co., Ltd., B30 Lansdowne Ave., Toronto, Ont., Canada.

- Ont., Canada

 HAMILL, RONALD V. (S'55-M'57), Dev. Engr., Logical
 Designer, Burroughs Corp., Paoli, Pa.

 HAMILTON, ANGUS C. (A'52-M'57), Sr. Scientific Officer,
 Dominion Observatory, Ottawa, Ont., Canada.

 HAMILTON, BRUCE S. (M'59), Research Engr., Internati.
 Resistance Co., 401 N. Broad St., Philadelphia B, Pa.

 HAMILTON, CHARLES R. (SM'54), Sr. Project Engr., Arinc
 Research Corp., 1700 K St., N. W., Washindton, D. C.

 HAMILTON, CHARLES W. (S'5B-M'59), Electronics Engr.,
 U. S. Army Signal Research & Development Lab., Ft. Monmouth, N. J.
- HAMMLTON, CHRIS, J., JR. (S'55-A'56-M'5B), Elec-tronics Engr., Sun Oll Co., Box 2B31, Beaumont, Tex. HAMILTON, DANIEL H., JR. (A'4B), Staff Mem., MIT, Lincoln Lab., Lexington 72, Mass.
- Lincoln Lab., Lexington 73, Mass.

 HAMILTON, DONALD (A'36-M'55), Mgr., Advanced Dev.
 Group, Standard Telephones & Cables, Ltd., Oakleigh Rd.,
 New Southgate, London, England.

 HAMILTON, DOUGLAS J. (A'53), Research Asst., Stanford
 Electronics Lab., Stanford, Calif.

 HAMILTON, EDWIN E. (S'47-A'51-M'56), Electronics
 Engr., U. S. Weather Bureau, Dept. of Commerce, Washington 25, 0, C.

- ington 25, O.C.

 HAMILTON, ERNEST A. (S'54-M'56), Electronics Engr., Convalr-Astronautics, San Diego 12, Calif.

 HAMILTON, EUGENE P. (A'54), In Cho. of Field Service, Postab Corp., 2915 Market St., Dakland, Calif.

 HAMILTON, FREDERICK A. (M'54), Chief Elec. Engr., Magnecord, Inc., 1101 S. Kolbourn, Chicago, III.

 HAMILTON, G. EDWARD (A'42-SM*50), Natl. Dir., Operations Engrg., American Broadcasting Co., 7 W. 66 St., New York, N. Y.

 HAMILTON, GEORGE H. (A'56), Chief. Communications.
- New York, N. Y.

 HAMILTON, GEORGE H. (A'56), Chief, Communications,
 Supreme Allied Commander Atlantic, Naval Base, Norfolk, Va.
 HAMILTON, H. E. STANLEY (A'41-M'55), Network Supvr.,
 Canadian Broadcasting Corp., Box 500, Toronto, Ont.,
- HAMILTON, HAROLD J. (S'43-A'50-SM'57), Coordinator of Research, Librascope, Inc., BOB Western Ave., Glendale 1, Calif.

HAM-HAN - 203 -

- HAMILTON, HUGH A. (A'53-M'58), Supvr., Dev. Engrg Radio Relay Dept., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P. Q., Canada.
- AVE., Montreal, F. Q., Callada.
 HAMILTON, LAWRENCE E. (S'55-M'57), Electronics
 Research Engr., Lockheed Missile Div., 7701 Woodley,
 Van Nuys, Callf.
 HAMILTON, LYLE L. (S'56-M'57), Engr., 18M, Endicott,

- N.Y.

 HAMILTON, MEREDITH W. (S'55-M'58), Engr., GE Co.,
 316 E. 9 St., Owensboro, Ky.

 HAMILTON, OGEN M. (A'48), Sales Mgr., Genl. Lab.
 Associates, Inc., 17 E. Railroad St., Norwich, N.Y.

 HAMILTON, RALPH E., JR. (S'48-A'50-M'55), Research
 Assoc., Univ. of Michigan Willow Run Labs., 80x 2008,
 Ann Arbor, Mich.
- HAMILTON, RICHARD E. (SM'55), Inspection Mgr., 8en-dix Aviation Corp., 11600 Sherman Way, North Hoffywood, Calif.
- HAMILTON, ROBERT C. (A'50-M'55), Engrg. Group Supvr., Jet Propulsion Lab., California Institute of Technology, Pa-sadena 3, Calif.

- sadena 3, Calif.

 HAMILTON, ROBERT 0. (M'58), Sr. Engr., Allen 8. Du

 Mont Labs., Inc., East Paterson, N. J.

 HAMILTON, ROBERT E. (A'50-M'58), Electronics Scientist, Naval Ordnance Lab., Corona, Calif.

 HAMILTON, ROBERT H. (S'54-A'55), Computer Design

 Engr., Emerson Electric Mfg. Co., 8100 W. Florissant

 Ave., St. Louis, Mo.

- Ave., St. Louis, Mo.

 HAMILTON, ROBERT H., JR. (S'52-A'54-M'58), Receiver
 Engr., KAAR Engro. Corp., 2995 Middelfield Rd., Palo
 Alto, Callf.

 HAMILTON, ROBERT J. (S'57-M'59), 407 W. Lenox Ave.,
 FI. Wayne, Inc.

 HAMILTON, ROGER F. (A'55), Chief Instr., National
 Schools. 4000 S. Figueroa, Los Angeles 37, Calif.

 HAMILTON, RUSSELL D. (A'46), Sect. Chief, Western
 Electric Co., Winston-Salem, N. C.

 HAMILTON, SAM (A'30-VA'39-SM'51), Chief Engr., The
 Electric Tachometer Corp., 68 & Upland, Philadelphia 42,
 Pa.
- HAMILTON, SANBORN (A'53), Electronics Engr., Arma Oiv., American Bosch Arma Corp., 5857 W. 95, Oak

- ra.

 AMMILTON, SANBORN (A'53), Electronics Engr., Arma
 Oiv., American Boscil Arma Corp., 5857 W. 95, Oak
 Lawn, III.

 HAMILTON, SANFORO J. (A'57-A'58), Tech. Engrg.
 Asst., Raytheon Mfg. Co., Wayland, Mass.

 HAMILTON, STUART R. (M'59), Engr., Edgeston, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston, Mass.

 HAMILTON, W. HENRY (M'58), Electronics Field Engr.,
 Raytheon Mfg. Co., Waltham, Mass.

 HAMILTON, WILLIAM (A'59), Communications Technician,
 Canadian Aviation Electronics, Western, Ltd., 387 Sutherland Ave., Winnipeg, Man., Canada.

 HAMILTON, WILLIAM D. (S'57-M'59), 210 Riverdale
 Ave., Cornwali, Ont., Canada.

 HAMILTON, WILLIAM H. (M'46-SM'50), Mgr., Submarine
 Tech. Oept., Westinghouse Elec. Corp., Box 1468, Pittsburgh 30, Pa.

 HAMILTON, WILLIAM J. (S'57-A'57), Elec. Equipment
 Mechanic, Northrop Aircraft, Inc., Hawthorne, Calif.

 HAMILTON, WILLIAM R. (S'55-M'56), Elec. Engr., C.
 Kirk Hillman Co., Inc., 3201 Ist Ave., S., Seattle 4,
 Wash.

 HAMILTON, WILLIAM T. (M'52), Electronics Field Engr.,
- HAMILTON, WILLIAM T. (M'52), Electronics Field Engr., Raytheon Mrg. Co., Waltham 54, Mass. HAMJIAN, RAYMONO V. (M'56), Sr. Sales Engr., Coming Glass Works, Coming, N. Y.
- HAMLETT, JAMES G. (A'52-M'58), Tech. Writer, GE Co., Syracuse, N.Y. HAMLETT, ROBERT T. (SM'46), Dir. of Employment & Per-sonnel Services, Sperry Gyroscope Co., Great Neck, L.1., N.Y.
- N. Y.

 HAMLIN, DAVID R. (S'55-M'57), Lt., USM, Contracts & Materials Officer, Supvr., Shipbuilding & Naval Inspector of Drdnance, 2400 11 Ave., S.W., Seattle 5, Wash.

 HAMLIN, JAMES E. (M'57), Dev. Engr., Military Prods. Div., I8M, Kingston, N. Y.

 HAMLIN, JOHN C. (S'51-A'53-M'57), Supvr., Engrg. Test, Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N. J.

- N. J.

 HAMLIN, JOHN W. (M'58), Systems Dev. Engr., Kaman Aircraft, Bloomfield, Conn.

 HAMLIN, NORRIS B. (S'48-A'50-M'57), Sr. Engr., Stromberg-Carison Co., 100 Carlson Rd., Rochester, 3, N. Y.

 HAMLIN, WILLIAM O. (A'54), Supvr., Tech. Information Service, CBS-Hytron, Oanvers, Mass.

 HAMM, GEORGE M (SM'55), Applied Research Engr., Raytheon Mg. Co., Wayland, Mass.

 HAMM, HERMAN W. (S'55-A'56), Mgr., Guidance Electronics, McDonnell Aircraft Co., Lambert Field, St. Louis, Mo.

- MO.,
 HAMM, NORMAN G. (S'42-A'45-M'50-SM'57), Mgr.,
 Electronics Projects, RCA, Camden 2, N.J.
 HAMM, THEODORE, JR. (S'56-M'57), Electronics Engr.,
 Lawrence Radiation Lab., Univ. of California, Box 808,
 Livermore, Calif.

- Lawrence Radiation Lab., Univ. of California, Box 808, Livermore, Calif.

 HAMM, WILLIAM J. (A'47-M'51-SM'52), Prof., St. Mary's Univ., Cincinnati & St. Louis Aves., San Antonio 1, Tex. HAMMACK, CALVIN M. (SM'55), Consultant Engr., Box 304, Saratoga, Calif.

 HAMMACK, GREGORY W. (M'59), Research Supvr., The Western Co., 922 Dragon, Oallas 7, Tex.

 HAMMACK, JOHN W. (S'47-A'49-M'55), 77 Gardner Dr., Ft. Walton Beach, Fla.

 HAMMAN, G. B. (A'27-VA'39-M'51), Instr., West Tech. High School, 2201 W. 93 St., Cleveland 4, Ohio.

 HAMMAN, HOWARO L. (A'57), Patner, Touche, Niven, 8ailey & Smart, 1380 Natl. Bank Bldg., Detroit 26, Mich.

 HAMMAN, PAUL E. (A'53), Patner, Touche, Niven, 8ailey & Smart, 1380 Natl. Bank Bldg., Detroit 26, Mich.

 HAMMANN, PAUL E. (S'38-A'41-SM'46), Supvr., Oesign, Bell Tel. Labs., Whippany, N. J.

 HAMMANN, ROBERT K. (M'57), Sr. Engr., Semiconductor Div., Sylvania Elec. Prods., Inc., Woburn, Mass.

 HAMME, ROY D. (S'48-A'50-M'55), Engr., The O.G.C.

 HAMMEKE, ELDON M. (S'56-M'57), Asst. Engr., Southwestern Bell Tel. Co., 823 Quincy, Topeka, Kan.

- HAMMEL, ALBERT E. (M'58), Project Engr., Bendix Radio Div., Towson 4, Md.

 HAMMEL, OAVID G. (S'50-A'51-M'56), Electronics Design Engr., CA, Moorestown, N.J.

 HAMMEL, JOHN P. (S'57-M'58), Design Engr., Bell Helicopter Corp., Box 482, Ft. Worth 1, Tex.

 HAMMEL, RICHARD A. (S'53-A'55), Design & Dev. Engr., RCA, Camden, N.J.

 HAMMEL, RICHARD (A'41-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 HAMMEL, ALERED P. (A'56), Direction du Croune Electronic March 1, 100 (1997), Albert 1, 100 (1997), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
- Tel. Labs., Whippany, N.J.

 HAMMER, ALFRED P. (4'56), Direction du Groupe Electronique, Thomson-Houston, 173 Blvd. Haussmann, Paris 8, France.
- HAMMER, ARVID C. (A'48), Mgr., Bluefield Hardware Co., Bluefield Ave., Bluefield, W. Va. HAMMER, ELLIS D. (S'54-M'57), Elec. Engr., Applied Physics Lab., Univ. of Washington, 1013 E. 40, Seattle 5, Wash.

- 5 Wash.

 HAMMER, F. EMMETT (A'45-M'53), 5920 N.W. 54 St., Oklahoma City 12, Okla.

 HAMMER, HARRY (S'48-A'50-M'55), Field Engr., Stavid Engr., Inc., U.S. Hwy 22, Plainfield, N.J.

 HAMMER, IRVING W. (S'49-A'51-M'57), Design Engr., Giffillan Bros., 1815 Venice Blvd., Los Angeles, Calif.

 HAMMER, RICHARD V. (S'47-A'50-M'55), Owner-Mgr., West Michigan Sound Co., 1932 Peck St., Muskegon, Mich.

 MICHAEL PRESENT M. (S'50-A'51-SM'55), Foor sin-Cha.
- HAMMER, ROBERT M. (S'50-A'51-SM'55), Engr.-in-Chg. Tech. Operation, CBS-TV, 485 Madison Ave., New York, N.Y.
- Tecn. Operation, CBS-TV, 485 Madison Ave., New York, N.Y.

 HAMMER, WARREN H. (A'55), Asst. Mgr., Research & Dev. Sect., Land-Air, Inc., Box 394, Holloman Air Development Center, N. M.

 HAMMERICH, HANS A. (A'41), Oesigner, Ford Instrument Co., 31-10 Thomson Ave., Lone Island City. N.Y.

 HAMMERIC, FRED H. (S'56-M'59), Jr. Engr., Curliss-Wright Corp., 631 Central Ave., Carlstadt, N.J.

 HAMMERSAND, FRED G. (S'44-A'45-M'52), Elec. Engr., RCA, Lancaster, Pa.

 HAMMERSCHMIOT, ANOREW L. (S'35-A'39-SM'47), V.P. Engr., & Facilities Adm., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 HAMMERSLAG, JULIUS G. (M'58), 1207 Berkshire Lane, Newport Beach, Calif.

 HAMMERSTEIN, HENRY A. (S'50-A'52-M'57), Group Engr., Avion Div., ACF Industries, 11 Park Pi., Paramus, N.J.

 HAMMETT, ROBERT B. (A'54), 428 Whitney 8ldg., New

- N.J.

 HAMMETT, ROBERT B. (A'54), 428 Whitney 8ldg., New Orleans 12, La.

 HAMMETT, ROBERT L. (S'41-A'45-M'47), Partner, Hammett & Edison, Box 68, San Francisco 28, Calif. HAMMETT, THEOORE F. (A'50-M'55), Sr. Engr., 'A', Raytheon Mfg. Co., Waltham, Mas. Service Mgr., Arkansas Radio & Appliance Co., 307 E. Markham St., Little Rock, Ark.
- AMMILL, CRAIG W. (S'48-A'52-M'56), Sr. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- Calif.
 HAMMING, RICHARO W. (A'54), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.
 HAMMONO, CURTIS R. (A'47-M'55), Asst. V.P., Corporate
 Oir., Regional Commercial Administration, Raytheon Mfg. Co.,
 Waltham 54, Mass.
- HAMMOND, EDMUNO 8., JR. (M'53-SM'53), Mgr., Sunny-vale Dev. Center, Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.

- Sunnyvale, Calif.

 AMMOND, EDWIN R. (M'54), Oir., Hall & Hammond, Ltd.,
 B9 High St., Gillingham, Kent, England.

 HAMMOND, GEORGE H. (A'40-5M'49), Prof., Elec. Engrg.,
 Tufts Univ., Medford 55, Mass.

 HAMMOND, GEORGE P., JR. (M'58), Elec. Engr., Sylvania
 Elec. Prods., Inc., N. Whisman Rd., Mountain View, Calif.

 HAMMOND, JACK R. (A'53), Dev. Engr., Waugh Engrs. Co.,
 784 2 Bernet St., Van Nuys, Calif.

 HAMMOND, JOHN G. (S'43-A'45-M'50-SM'53), Mgr.,
 Data Links Dept., Aeronutronic Systems, Inc., 1234
 Air Way, Glendale, Calif.

- Air Way, Glendale, Calif.

 HAMMONO, JOHN H., JR. (M'36-SM'43-F'59)(L), Pres.
 & Treas., Hammond Research Corp., Hesperus Ave.,
 Gloucester, Mass.

 HAMMOND, JOHN R. (A'51), Computer Engr., Arizona
 Public Service Co., 501 S. 3rd Ave., Phoenix, Ariz.

 HAMMOND, JOHN W. (S'57-M'59), Electronics Engr., Aircraft Armaments, Inc., Cockeysville, Md.

 HAMMOND, JOHN W. (A'39-SM'45), Asst. Oir., Engrg.,
 Friez Instrument Oiv., Bendix Aviation Corp., Taylor Ave.,
 Towson 4, Md.

 HAMMOND, JOSEPH L., JR. (S'52-A'53-M'58), Asst.
- HAMMOND, JOSEPH L., JR. (S'52-A'53-M'58), Asst. Prof. of Elec. Engrg., Georgia Institute of Technology, Atlanta Ca
- Prof. of Elec. Engrg., Georgia Institute of Technology, Atlanta, Ga.

 HAMMOND, NOEL B. (A'50), Patent Agent, Hughes Aircraft Co., Culver City, Calif.
 HAMMOND, RAIFORD L. (A'54), Electronics Technician, Missile Electronics Lab., Redstone Arsenal, Ala.
 HAMMOND, RICHARD F. (SM'56), Mgr., Production Engrg., GE Co., Tell City, Ind.
 HAMMOND, ROBERT A. (SM'55), Consultant, McKinsey & Co., Inc., 60 E. 42 St., New York, N.Y.
 HAMMOND, ROBERT J. (S'53-M'56), Elec. Engr., V-M Corp., Berton Harbor, Mich.
 HAMMOND, ROBERT J. (A'56), Administrative Engr., Waldorf Electronics, Huntington Station, L.I., N.Y.
 HAMMOND, ROWLAND E. (A'35-M'45-SM'47), Works Mgr., Radio Engrs, Prods., Ltd., 1080 University St., Montreal 3, P.Q., Canada.

 PMOND, SEYMOUR B. (S'44-A'48-SM'55), Assoc.
 Prof., Elec. Engrg., Univ. of Utah, Salt Lake City 12, Utah.

- Utah.

 HAMMOND, WILLIAM M. (S'55-M'57), Instr., Elec.
 Engrg., Bradley Univ., Peoria, III.

 HAMMONOS, EDGAR G. (S'53-A'55), Asst. Staff Communicator, Trust Territory of the Pacific Islands, Truk Island, Eastern Caroline Islands.

 HAMNER, LLOYD H. (A'52-M'57), Pres., Hamner Electronics Co., Inc., Box 531, Princeton, N.J.

- HAMPEL, WILBUR J. (M'56), Chief Elec. Production Engr., Warwick Mfg. Corp., 27 & Deborah, Zion, III.

 HAMPSHIRE, JOHN R. (A'49-M'55), Mgr., Military Prods., 18M, Kingston, N,Y.

 HAMPSHIRE, ROBERT A. (A'35-VA'39-M'55), Div. Head, 1TT Labs., Nutley 10, N.J.

 HAMPSON, EDWARD R. (A'48-M'57), Production Mgr., Computer Control Co., 225 Old Connecticut Path, Framingham, Mass.
- ham, Mass.

 HAMPSON, FRED W. (A'48), Pres. & Treas., Industrial Chromium Corp., 109 Lyman St., Holyoke, Mass.

 HAMPTON, JAMES W. (S'48-A'49-M'51-SM'55), Electronics Project Engr., Chance-Vought Aircraft, Box 5907, Oallas, Tex.

 HAMPTON, LYNFORD R. (A'43), Operations Mgr., Atlantic Aviation Service, Inc., Box 5318, Internati. Airport, Philadelphia 42, Pa.

- Philiadelphia 42, Pa.
 HAMPY, RALPH E. (M'56), Elec. Engr., Sandia Corp.,
 Sandia Base, Albuquerque, N.M.
 HAMRE, HARLAN G. (A'51-M'56), Assoc. Engr., Armour
 Research Foundation, 10 W. 35 St., Chicago 16, III.
 HAMREN, GLEN C. (S'57-A'59), Jr. Engr., Dev., Electronic Components of Missile, AC Spark Plug Co., Milwau-

- tronic Components of Missile, AC Spark Plug Co., Milwaukee, Wis.

 AMRICK, JAMES D. (M'57), Electronics Scientist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 HAMRICK, WILLIAM H. (M'57), Chief Engr., WINZ, 340

 Biscayne Bivd., Miami, Fla.

 HANA, THOMAS C. (A'36-VA'39-M'55-SM'58), Asst. Chief Design Engr., Hazeltine Corp., 59-25 Little Neck Pkwy., Little Neck, L.I., N.Y.

 HANAN, JAMES E. (M'58), Engr., Application & Prod. Planning, GE Co., Box 158, Irmo, S.C.

 HANAN, JOHN P. (A'57), Dir., Training, Coyne Elec. School, 1501 W. Congress Pkwy., Chicago 7, III.

 HANAN, JUOLIF (S'56-A'57), Elec. Engr., Metalurgical Consolidated Reactive Metals, Inc., 43 W. 46 St., New York 36, N.Y.

 HANAUER, STEPHEN H. (S'47-A'50-M'55), Sr. Physicist, Oak Ridge Nati. Lab., Oak Ridge, Tenn.

 HANAWAY, PAUL R. (M'55), Elec. Engr., Warco Industries, Inc., 9400 Watson Rd., St. Louis, Mo.

 HANCE, AROLD V. (S'39-A'41-M'46-SM'57), Sr. Staff Engr., Airborne Systems Labs., Hughes Aircraft Co., Culver City, Callf.

 HANCE, LEON V. (M'58), Engr., WKRG-TV, Box 1184, Mobile, Ala.
- LITY, CAIII.

 HANCE, LEON V. (M'58), Engr., WKRG-TV, Box 1184,
 Mobile, Ala.

 HANCEY, HAROLD L. (S'54-M'58), Engr., Sperry Utah
 Engrg. Lab., 322 N. 21 St., W., Salt Lake City, Utah.

 HANCHETT, GEORGE D., JR. (SM'47), Receiving Tube Design, Current Prod., Electron Tube Oiv., RCA, Harrison,
 N.J.

- N.J..
 HANCHROW, JESSE J. (S'54-A'55), 75 Lakeside Or., New Rochelle, N.Y.
 HANCOCK, EARL C. (S'56-M'59), Patent Engr., Martin Co., Baltimore 3, Md.
 HANCOCK, GERALD H. (S'54-A'55), TechRep., Philico Corp., 22 St. & Lebigh Ave., Philadelphia 32, Pa. HANCOCK, HAROLO E. (A'44-M'45-SM'54), Partner, Engrg. Specialties, 8115 Camargo Rd., Cincinnati 43, Ohio.
- HANCOCK, JAMES 8. (A'51), Chief Technician, KMJ-TV, McClatchy Broadcasting Co., 1515 Van Ness, Fresno, Calif.
- Calli.

 HANCOCK, JAMES R. (S'56-A'57), Staff Engr., WMT Radio & TV, 602 Old Marion Rd., Cedar Rapids, Iowa.

 HANCOCK, JOHN C. (M'57), Asst. Prof., Elec. Engrg., Purdue Univ., Lafayette, Ind.

 HANCOCK, JOHN D. (M'58), Elec. Engr., Minneapolis-Honeywell Regulator Co., 1400 Soldlers Field Rd., Boston, Mass.
- MASS.

 HANCOCK, NOBLE (S'49-A'50-M'56), Asst. Prof., San
 Jose State College, Washington Square, San Jose 25, Calif.

 HANCOCK, JOHN R. (A'39), Asst. Oir. Engro. Fairchild
 Graphic Equipment Corp., Fairchild Ave., Plainview, L.1.,
 N.Y.

- N.Y.

 HANCOCK, ROBERT I. (A'51), Sales Engr., Collins Radio Co., Cedar Rapids, Iowa.

 HANCOCK, THOMAS W. (SM'59), Group Engr., Lockheed Aircraft Corp., Box 551, Burbank, Callin HANCOCK, WILLIAM L. (S'48-A'49-M'55), Applications Engr., GE Co., LMED, Schenectady 9, N.Y.

 HANCSAK, RICHARD P. (M'57), Fleid Engr., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif. HAND, BERNARD P. (S'46-A'49-M'55), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. HAND, CARLA, (A'17-VA'39-M'55)(L), Retired, 1111 Lundvall Ave., Rockford, Ill.

 HAND, FREO W., JR. (S'57-M'59), Jr. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 HAND, ECORGE C..JR. (A'52-M'54). Chief Flee.
- HAND, GEORGE C., JR. (A'52-M'54), Chief Elec. Engr., Technitrol Engrg. Co., 2715 N. 4 St., Philadelphia 33,
- HAND, JOHN E. (M'58), Project Engr., P. R. Mallory & Co., Inc., 3029 E. Washington, Indianapolis 1, Ind.
- Co., Inc., 3029 E. Washington, Indianapolis 1, Ind. HANO, S. ELLIS (SM'151), Asst. Chief Engr., Lab. for Electronics, Inc., 75 Pitt St., Boston, Mass. HANOEL, NEIL E. (M'45), Chief Engr., Process Industries Sect., Industrial Nucleonics Corp., 1205 Chesapeake Ave., Columbus 12, Ohio.
- HANDEL, RICHARD R. (SM'55), Mgr., Tube Fabrication, RCA Electronic Tube Div., New Holland Pike, Lancaster, Pa.
- HANDELMAN, ROBERT 8. (\$'42-A'45-M'55-SM'58), Genl. Mgr., Systems Div., Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J.
- HANDELSMAN, MORRIS (SM'55), Chief, Scientific Office, Rome Air Development Center, Griffiss AFB, N.Y. HANDEN, JACK (M'57), Production Engr., RCA, Somerville,
- HANDFORD, GEORGE 8. (M'56), Tech. Officer., Dept. of Natl. Defence, RCAF, Lincoln Park, Calgary, Alta., Canada.
- HANDLEMAN, MARVIN (A'46-M'56), Engr., Radio Free Europe, 1 Englischer Garten, Munich, Germany.

- HANDLER, HOWARD (M'59), 1565 Boston Rd., Bronx 60,

- N.Y.

 HANDLOSER, JOHN S. (M'54), Assoc. Health Physicist, Brookhaven Natl. Lab., Upton, N.Y.

 HANDLY, EARL J. (A'47-M'55), Sect. Engr., Raytheon Mrg. Corp., Newton 58, Mass.

 HANDS, RAYMOND K. (A'58), Engr., Technician, Canadian Aviation Electronics, Ltd., 6214 Cote de Liesse Rd., St. Laurent, P. Q., Canada.

 HANDY, FRANCIS E. (A'26-VA'39-M'55), V.P. & Communications Mgr., American Radio Relay League, 38 La Salle Rd., West Hartford 7, Conn.

 HANDY, RICHARD A. (S'48-A'50), Engrg. Sect. Head, Spencer Lab., Raytheon Mrg. Co., Burlington, Mass.

 HANDY, ROBERT M. (S'54-A'55), Northwestern Univ., Evanston, III.

- Evanston, III.

 HANEL, RUDOLF A. (A'55), Physicist, U.S. Army Signal Engra. Lab., Ft. Monmouth, N.J.

 HANEMAN, FRANK G. (A'54), Engr., Airborne Instruments Lab., Mineola, L.I., N.Y.

 HANEMAN, VINCENT S., JR. (A'51–M'56), Maj., USAF, Prof., Aero Engra., Air Force Institute of Technology, Wright-Patterson AFB, Ohio.

- Wright-Patterson AFB, Ohio.

 HANEMAN, WILLIAM J. (S.150-A152-M157), Engr., Astro-Electronic Prods., RCA, Princeton, N.J.

 HANEMANN, HERMAN A., JR. (S.153-A154), Engr.,

 Bendix Aviation Corp., York, Pa.

 HANEN, ROBERT K. (S.156-M158), Project Engr., Illinols

 Tool Works, 2501 N. Keeler, Chicago 39, III.

 HANER, LAMBERT (A.153-M159), Project Engr., Avtron

 Mfg., Inc., 10409 Meech Ave., Cleveland 3, Ohio.

 HANER, LAWRENCE P. (A.145-M150-SM150), Research

 Supvr., E. I. du Port de Nemours & Co., Inc., 101

 Beech St., Wilmington, Oel.
- HANES, FRANCIS P. (A'54-M'59), Supvg. Electronics Engr., Waterways Experiment Sta., Box 631, Vicksburg, Miss.

- MISS.

 HANEY, CHARLES A. (A'48), Electronics Engr., Bell
 Aircraft Corp., Buffalo 1, N.Y.

 HANEY, DONALD W. (M'46), Engr., & Physicist, Martin
 Co., O'lando, Fla.

 HANEY, FRANCIS J. (S'50-A'51-M'56), Project Engr.,
 CBS-TV. 485 Madison Ave., New York 22, N.Y.

 HANEY, WILLIAM L. (M'45-SM'57), Sect. Head, Radio
 & Elec. Engrq. Div., Natl. Research Council, Sussex St.,
 Ottawa, Ont., Canada.
- Ottawa, Ont., Canada.

 HANFLING, JEROME D. (S'55-M'56), Dev. Engr., Wheeler
 Labs., 122 Cutter Mill Rd., Great Neck, L.I., N. Y.
 HANFORD, RICHARD W. (SM'53), Tech. Dir., Missouri
 Research Labs., 2109 Locust, St. Louis 3, Mo.
 HANFT, ALBERT J. (S'58-M'59), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N. Y.
 HANFT, CHARLES J. (A'58), Engr., Norden-Ketay Corp.,
 121 Westmoreland Ave., White Plains, N. Y.
 HANFT, HERBERT (S'46-A'49-M'49), Research Sect.
 Leader, Polytechnic Institute of Brooklyn, 55 Johnson
 St., Brooklyn 1, N. Y.
 HANFT, JULIAN ('50M'57), Sr. Reliability Engr., American

- St., Brooklyn I, N.Y.
 HANFT, JULIAN ('50M'57), Sr. Reliability Engr., American
 Bosch Arma Corn., Carden City, L.I., N.Y.
 HANFT, KENNETH E. (S'49-A'51-M'56), Field Engr.,
 RCA, Tube Div., 1154 Merchandise Mart., Chicago 54,

- HANFT, KENNETH E. (S'49-A'51-M'56), Field Engr., RCA, Tube Div., 1154 Merchandise Mart., Chicago 54, III.

 HANGARTNER, JOHN E. (M'53), Missile Instr., Douglas Aircraft Co., Municipal Airport, Tucson, Ariz.

 HANGLEY, RENE M. (S'54-M'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 HANGSTEFER, JAMES B. (M'52), Pers., Solid State Prods., Inc., 1 Pingree St., Salperns, Mass.

 HANIK, PETER (A'36-M'53), Engr., Admiral Corp., 3800 Cortland St., Chicago 47, III.

 HANISCH, WILLIAM R. (M'53), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 HANISCH, WILLIAM Rd., M'53), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 HANISH, HARVE M. (S'56-A'58), Chief Engr., Bio-Tron Medical Electronics, 1736 S. Bedford St., Los Angeles 35, Calif.

 HANKEL, EUGENE M. (A'51-M'57), Electronics Inspector, Ordnance Electronics, U.S. Navy Dept., Bureau of Ordnance, Lockheed Missile Systems Div., Sunnyvale, Calif.

 HANKEY, ISAAC L. (M'57), Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 HANKEY, ROBERT L. (M'57), Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 HANKIN, NOBERT B. (A'55), Electronics Engr., The Hallicraters Co., 4401 W. 5 Ave., Chicago, III.

 HANKIN, NOBERT B. (A'55), Electronics Engr., The Hallicraters Co., 2401 W. 5 Ave., Chicago, III.

 HANKIN, CARL L. (M'57), Principal Technologist, Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 HANKS, CARL L. (M'57), Principal Technologist, Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 HANKS, CARL L. (M'57), Principal Technologist, Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 HANKS, CARL L. (M'57), Principal Technologist, Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 HANKS, CARL L. (M'57), Principal Technologist, Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 HANKS, CARL L. (M'57), Principal Technologist, Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

- HANLEY, GERALD L. (M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. HANLEY, JOHN F. (S'19-A'24-VA'39-M'55-SM'56), Asst. Dir., Electron Tube, U.S., Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- HANLEY, JOHN J. (S'53-A'54), Engr., Raytheon Mfg. Co., 8edford, Mass.
- Co., 8edford, Mass.
 HANLEY, L. DAVID (A'54), Engr., Instrumentation Lab.,
 MIT, Cambridge, Mass.
 HANLEY N. BURRIS (5'50-A'50-M'54), Consulting
 Engr. to USAF, Communications Techniques & Systems,
 RCA, Wright-Patterson AF8, Ohio.
- RCA, Wright-Patterson AF8, Ohio.

 HANLEY, ROBERT J. (A'45-M'55), Nuclear Power Engr., Mare Island Naval Shippard, Code 207, Vallejo, Calif.

 HANLEY, THURE E. (A'52-SM'52), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 HANLON, EVERETT G. (A'56), Assoc. Engr., Texas Instruments, Inc., 3609 Buffalo Speedway, Houston 6, Tex.

 HANN, DALLAS D. (S'51-A'53-M'58), Sr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.

 HANN, GEORGEW. (A'55-M'57), Field Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Arz.

 HANN, JAMES D. (S'52-A'55), Engr., GE Co., Schenectady, N.Y.

- HANNA, CHARLES C. (M'58), Jr. Engr., Bendix Aviation Co., 11600 Sherman Way, North Hollywood, Calif. HANNA, CLINTON R. (M'28-SM'48), Assoc. Dir., Westinghouse Elec. Corp., Research Labs., Churchill Borough, Pittsburgh 35, Pa.
 HANNA, DAVID L. (S'56-M'59), Communications Officer, USN, USS Belle Grove, LSD-2, FPO, San Francisco, Calif.
- HAMMA, DONALD C. (M'54), Sect. Engr., Elec. Div., City of Montreal, 4050 Park Ave., Montreal, P. Q., Canada. HANNA, FRED M. (S'41-A'44-M'53-SM'53), Asst. Mgr., George Kelk, Ltd., 130 Willowdale, Willowdale, Ont. Canada.
- Onk. Canada.

 HANNA, CARY F. (S'56-M'59), Field Engr., Hazeltine
 Electronics Com., Little Neck 62, L.I., N.Y.

 HANNA, GEORGE W. (A'53), Engr., Collins Radio Co.,
 Cedar Rapids, Iowa.
- NAMA, REURGE W. (A'33), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 HANNA, JOHN L. (S'51-A'52), Tech. Asst., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.

 HANNA, PARKER D. (A'58), Sales Engr., Genl Cable Corp., 400 Railroad, Rome, N.Y.

 HANNA, RAYMOND E. (S'49-A'50-M'56), Project Engr., Bendix Radio Div., Towson 4, Md.

 HANNA, RICHARD E. (M'57), Asst. Chief, Guidance & Control Sect., Douglas Missiles & Space Systems, 3000 Ocean Park, Santa Monica, Calif.

 HANNA, ROBERT N. (A'51-M'58), Dev. Engr., Libbey Owens Ford Glass Co., Rossford, Ohio.

 HANNABACH, JOHN (S'55-M'59), Program Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 HANNAH, DONN C. (A'55), Electronics Systems Research Technician, Lockheed Missiles & Space Div., Box 2187, Oxnard, Calif.

- Oxnard, Calif.

 HANNAH, CLYDE 8. (S'51-A'55), Production Dept., Boston Naval Shipyard, Boston 29, Mass.

 HANNAH, MERLE R. (M'57), Engr., CBS Labs., Inc., 227 Highridge Rd., Stamford, Conn.

 HANNAH, WILLIAM M. (A'56), Proprietor, W. M. Hannah Co., 305 Redfield Ave., Fayetteville, N.Y.

 HANNAH, WILSON H. (A'44-M'46), Consultant, Dir., Automatic Production Research, 19 Beechwood Ave., Mt. Vernon, N.Y.
- Mt. Vernon, N.Y.

 HANNAM, HERBERT J. (S'52-M'57), Dev. Engr., GE
 Co., Schenectady, N.Y.

 HANNAM, CHARLES V., III (A'50), Asst. Chief, Filight
 inspection Branch, FAA, Aeronautical Center, WIII Rogers,
 Okla.

 HANNAN, PETER W. (S'49-A'49-M'55-SM'59), Sr.
 Design Engr., Wheeler Labs., Inc., 122 Cutter MIII
 Rd., Great Neck, L.I., N.Y.

- Rd., Great Neck, L.I., N.Y.

 HANNAN, WILLIAM J. (S'55-M'57), Elec. Engr., RCA,
 Camden, N.J.

 HANNAY, SURTON E. (A'57), Field Engr., Military Prods,
 Div., IBM, Owego, N.Y.

 HANNELL, FRANCIS D. (S'42-A'45-M'55), Prod. Production Engr., GE Co., Mountain View Rd., Lynchburg, Va.

 HANNEMAN, DOUGLAS A. (M'59), ASSI, Prof., Elec. Technology, Univ. of Dayton, 300 College Park, Dayton, Ohio

 MANNON, DAVID L. (S'54-M'57), Assoc. Research Engr.
 (A), Boeing Airplane Co., 7755 E. Marginal Way, Seattle,
 Wash.
- HANNON, GEORGE A. (S'50-A'51-M'56), Radio Engr. (Aircraft), FAA, Box 440 c/o AN-320, Anchorage, Alaska.
- HANNON, JAMES J. (A'58), Elec. Engr., Sylvania Electric Prods., Inc., Waltham, Mass.
- Prods., Inc., Waltham, Mass.

 #ANNON, JAMES R. (4.54), Elec. Engr., Dept. of the Navy,
 18 & Constitution Ave., Washington, D.C.

 #ANNON, LAFAYETTE (A.57), Communication Engr., Federal
 Electric Corp., Industrial Park, Paramus, N.J.

 #ANNON, STEPHEN (A.47-M.48-SM.57), Chief Transformer & Design Engr., Raytheon Mfg. Co., Waltham 54,
 Mass.
- Mass.

 HANNUM, ARTHUR J. (A'53-SM'58), Head, Communication
 Techniques Sect., Hughes Aircraft Co., Culver City, Calif.
 HANNUM, DONALD E. (M'45), Supvr., Computer Services,
 Northrop Aircraft, Inc., Northrop Field, Hawthorne, Calif.
 HANNUM, EDWIN W. (S'54-M'58), Asst. to System Communications Engr., Pan American World Airways, Box 817,
 Miami 48, Fla.
- HANNWACKER, JOSEPH P. (M'56), Engr., Polytechnic Research & Development Corp., 202 Tillary St., Brooklyn, N.Y.
- N.Y.

 HANON, JACK I. (S'57-M'58), Elec. Engr., Sperry Gyroscone Co., Great Neck, L.I., N.Y.
- HANON, JACK I. (S'57-M'58), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 HANOPOL, LOUIS (A'38-VA'39-M'55), Treas., MacLeod & Hanopol, Inc., 10 Roland St., Charlestown, Mass.
 HANOTTE, PAUL E. (M'58), Co., Automatique Elec., S. A., 20 Rue Du Verger, Antwero, Belgium.
 HANOUSEK, RICHARD A. (S'50-A'54-M'59), Tech. Writer & Editor, GE Co., Syracuse, N.Y.
 HANOVER, ALBERT M. (A'54), Field Engr., Philco Corp., Philadelphia, Pa.
- HANOVER, PAUL N. (M'55), Electronics Engr., Hughes Aircraft Co., Culver City, Calif. HANRAHAN, JAMES A. (M'57), Field Service Rep., GE

- HANRAHAN, JAMES A. (M'57), Field Service Rep., GE. Co., Syracuse, N.Y.

 HANRAHAN, LEO, R. (A'55), Lab. Asst., Knolls Atomic Power Lab., GE Co., Schenectady, N.Y.

 HANRATTY, ROBERT J. (S'54-A'55), Dev. Engr., Wheeler Labs., Inc., Box 361, Smithtown, L.I., N.Y.

 HANS, EDMUND (A'54), Salesman, Ungar Mueller Sales Co., 3225 Exposition Pl., Los Angeles 18, Calif. HANS, M. WILLIAM (M'58), Applications Engr., Princeton Computation Center Electronics Associates, Inc., Box 582, Princeton, N.J.
- HANS, MATTHEW F. (S'49-A'52-M'57), Electronics Engr., Peripheral Equipment, Computer Dept., GE Co., Drawer 270,
- HANS, WENDEL J. (A'53), Project Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 HANSARD, HUGH H. (M'56), Sr. Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q., Canada.

 HANSBROUGH, FRANK G. (A'51-M'58), Field Service Engr., The Emerson Electric Mfg. Co., 8100 Florissant, St. Louis 21, Mo.
- HANSBURG, MILTON (M'56), Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz.

- HANSEL, PAUL G. (S'39-A'42-SM'50-F'57), Engr.-in-Chg., Radio Engrg. Dept., Servo Corp. of America, 2220 Jericho Toke. New Hyde Park, L.I., N.Y.

- Jericho Toke. New Hyde Park, L. I., N. Y.

 HANSELL, CLARENCE W. (4'26-M'29-SM'43-F'45),
 Research Fellow, RCA Labs., Princeton, N. J.

 HANSELL, GEORGE E. (A'55), Power Tube Application
 Engr., RCA, New Holland Pike, Lancaster, Pa.

 HANSELL, GRANT E. (A'41-SM'46), Sr. Project Engr.,
 Defense Electronics Prods., RCA, 2'720 E. Broadway,
 HANSELL, PAUL D. (M'54), Engr., GE Co., Ithaca. N. Y.

 HANSEL, PAUL G. (S'39-A'42-SM'50-F'57), Engr.-inCha., Radio Engr., Dept., Servo Corp. of America, 2220
 Jericho Toke., New Hyde Park, L. I., N. Y.

 HANSELL, GRANT E. (A'41-SM'46), Sr. Project Engr.,
 Defense Electronics Prods., RCA, 2'720 E. Broadway,
 Tucson, Ariz.

 HANSELMAN. KENNETH J. (M'55), Prod. Dev. Fore.
- Tucson, Ariz.

 HANSELMAN, KENNETH J. (M'55), Prod. Dev. Engr.,
 ITT Federal Div., 100 Kingsland Rd., Clifton, N.J.,
 HANSEN, ANKER K. (SM'57), Dir., Communications, Quebec North Shore & Labrador Railway, 810 Cote de Llesse
 Rd., Montreal, P. Q., Canada.
 HANSEN, ARTHUR G., JR. (S'55-M'56), Engr., 8endix
 Prods. Div., 400 S. Belger St., Mishawaka, Ind.
 HANSEN, B. CONRAD (A'56), 412 Jarvis St., Toronto 5,
 Ont., Canada.
- HANSEN, C., BLAINE (S'53-M'55), Mem. Tech. Staff, Ramo-Wooldridge, Box 90534, Airport Sta., Los Ange 45, Calif.
- HENSEN, CALVIN F. (M'57), Principal Engr., Sperry Utah Engrg. Lab., 322 N. 21 St., W., Salt Lake City, Utah.
- Utan. HANSEN CHARLES L. (A'57-M'58), Transmission Supvr., AT&T co., 100 S. 19 St., Omaha, Nebr. HANSEN, CHARLIE H. (A'56), Sound Technician, Govt. of Alberta, Southern Jubilee Auditorium, Calpary, Alta., Cana-
- da.

 HANSEN, CORWIN A. (SM'56), Mgr., Contract Planning
 Dept., Airborne Instrument Lab., Mineola, L.I., N.Y.

 HANSEN, OELDS R. (A'56), Scientific Officer, D.R.T.E.,
 Prince Albort Radar Lab., Prince Albort, Sask., Canada.

 HANSEN, EDMUND H. (A'25-M'26-SM'43), Consulting
 Engr., 80x 6, Balboa Island, Callf.

 HANSEN, EDWARD L. (A'35-VA'39-M'49-SM'53), ProJect Engr., Fairchild Camera & Instrument Corp., Hicksville,
 L.I., N.Y.
- HANSEN, ELMER (A'30-VA'39-M'54), Sr. Project Engr., Pennsylvania Power & Light Co., 901 Hamilton St., Allentown, Pa.
- HANSEN, GEORG K. F. (M'54), Head, Electronic Dept., The Danish Atomic Energy Commission, Riso, Roskilde,
- Denmark.

- The Danish Atomic Energy Commission, Riso, Roskilde, Denmark.

 Denmark.

 Denmark.

 Denmark.

 Signature (S'48-A'51), Semiconductor Factory Contact Engr., Minneapolis -Honeywell Regulator Co., 2753 4 Ave., S. Minneapolis 8, Minn.

 HANSEN, Ave., S. Minneapolis 8, Minn.

 HANSEN, HANSEN, J. R. (S'43-A'44-M'55), Sr. Engr., Westinghouse Elec. Corp., Sumnyale, Callif.

 HANSEN, HARALAR R. (S'43-A'45-M'55), Pess., Hansen Electronics Co., Box 1302, Hollywood 28, Callif.

 HANSEN, HAROLD J., JR. (A'53-M'59), Research Engr., Ryan Aeronautical Co., 2701 Harbor Dr., San Diego, Callif.

 HANSEN, HAROLD J., JR. (A'53-M'59), Research Engr., Gerald B. Miller Co., 1334 Old County Rd., Belmont, Callif.

 HANSEN, HOWARD M. (S'40-A'42-M'53), Branch Mgr., Gerald B. Miller Co., 1334 Old County Rd., Belmont, Callif.

 HANSEN, HOWARD R. (S'53-A'55), Assoc. Engr., Sperry Gyroscope Co., Great. Neck, L. J., N. Y.

 HANSEN, JAN C. (A'36-M'46), Asst. Mgr., Natl. Transformers Pty., Ltd., 42 Belmore Rd., Punchbowl, N. S.W., Australia.

 HENSEN, J. RICHARD (A'48-SM'55), Research Engr., Westinghouse Elec. Corp., Beulah Rd., Pittsburgh 35, Pa.

 HANSEN, JACK T. (M'57), Engr., Servocontrol Div., The Oilgear Co., 679 Main St., Waltham 54, Mass.

 HANSEN, JAY M. (SM'57), Sr. Staff Engr., Wilsconsin-Michigan Power Co., 807 S. Oneida St., Appleton, Wis.

 HANSEN, JAN EN S. (S'48-A'50-M'56), Supvy, Engr., Components Div., ITT, Box 412, Cliffon, N. J.

 HANSEN, JOHN F. (S'54-M'57), St. Etc., Engr., Sylvanla

 Else Box Box 18, 18, 2005

- Research Div., Airborne Instrument Lab., Mineola, L.I., N.Y.
 HANSEN, JOHN F. (S'54-M'57), Elec. Engr., Sylvanla Elec. Prods., Inc., Box 205, Mountain View, Calif. HANSEN, JOHN P. (SM'58), Asst. V.P., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.
 HANSEN, JOHN R. (S'57-A'58), 7: Environmental Technician, Hughes Aircraft Co., Culver City, Calif.
 HANSEN, LAURENCE H. (S'55-M'56), Elec. Engr., Andrew Corp., 363 E. 75 St., Chicago 19; III.
 HANSEN, MARVIN E. (M'58), Radar Engr., Emerson Electric Mig. Co., 8100 W. Florissant, St. Louis 21, Mo. HANSEN, NCIL W. (S'53-A'55), Electronics Engr., ITT Labs., Nutley 10, N.J.
 HANSEN, DRVAL B. (S'55-M'57), Electronics Engr., Corvair, Pomona, Calif.
 HANSEN, PALLE G. (M'51), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif.
 HANSEN, QLADE P. (S'57-M'59), Electronics Engr., Hughes Aircraft Co., Culver City, Calif. HANSEN, ROBERT C. (S'47-A'49-M'55-SM'56), Sr. Staff Engr., Hughes Aircraft Co., Culver City, Calif. HANSEN, ROBERT C. (M'58), Mgr., Communication Systems, Advance Systems Engr., GE Co., Syracuse, N.Y.

- N.Y.

 N.Y.

 HANSEN, ROBERT E. (A'59), Research Engr., Natl. Carbon Research Labs., 8ox 6116, Cleveland 1, Ohio.

 HANSEN, ROBERT J. (S'50-M'52-SM'56), Engr., GE
 Co., Syracuse, N.Y.

 HANSEN, ROBERT J. (S'51-A'52-M'57), Research Assoc.,
 Engrs. Research Institute, Univ. of Michigan, Cooley 8ldg.,
 Ann Arbor, Mich.
- HANSEN, ROBERT L. (M'59), Project Engr., Closed Circuit TV Engr., ITT Labs., 15191 8ledsoe St., San Fernando, Calif.
- HANSEN, ROBERT L. (S'56-M'58), Electronics Field Engr., Hughes Alroraft Co., Los Angeles 45, Calif. HANSEN, ROBERT O. (S'52-A'53-M'59), Dev. Engr., Motorofa, Inc., 3102 N. 56 St., Phoenix, Ariz. HANSEN, ROGER R. (S'57-M'58), Dev. Engr., 18M, Owego, N. Y.

- 205 -HAN-HAR

- HANSEN, RUSSELL C. (S'53-A'55), Sr. Engr., Sprague Electric Co., Marshall St., North Adams, Mass. HANSEN, THEODORE A. (SM'53), Roscarch & Dev. Engr., Teletype Corp., 1400 Wrightwood Ave., Chicago 14, III. HANSEN, VINCENT W. (M'55), Staff Assoc., Sandia Corp., Sandia Base, Albuquerque, N. M.
- HANSEN, WILBUR O. (M'48), Unit Mgr., GE Co., Waynes-boro, Va.

- Boro, Va.

 HANSEN, WILLIAM C. (A'54), Electronics Engr., Convair, San Diego 12, Calif.

 HANSEN, WILLIAM H. (J'29-A'32-VA'39), Electronics Technician, Electrical-Local 134, 3613 W. Armitage Ave., Chicago 47, III.

 HANSEN, WILLIAM P., JR. (S'57-A'58), Jr. Engr., Boeing Airolane Co., Seattle, Wash.

 HANSFORD, IAN V. (M'57), Physicist, Vickers Research, Ltd., Brooklands Rds., Weybridge, Surrey, England.

 HANSLIP, GAVIN (S'55-M'56), Relay Technician, British Columbia Power Commission, Box 500, Victoria, B.C., Canada.
- Canada .

 HANSON, BERNARD B. (S'57-M'5B), Range Dev. Engr., Whirlpool Corp., 300 Broad St., St. Joseph, Mich. .

 HANSON, DONALD K. (S'55-A'56), Radio Mech., Trans-world Airines, Kansas City, Mo.

 HANSON, ELIS D. (S'51-A'53-M'57), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- HANSON, EUGENE E. (S'56-M'58), Engr., IBM, Pough-
- keepsie, N.Y.
 HANSON, FREDRICK E. (SM'46), Works Mgr., Westem
 Electric Co., 555 Union Blvd., Allentown, Pa.
 HANSON, GEORGE B. (M'57), Capt., USAF, Chief, Communications & Electronics, Air Weapons Control System
 212L, Air Proving Ground Center, Air Research & Command,
 Eglin AFB, Fla.

- Ealin AFB, Fla.

 HANSON, GEORGE R. (S'56-A'58), Service Dept., Genl. Radio Co., 6605 W. North Ave., Oak Park. III.

 HANSON, GERALD N. (SM'46), Pres., Hanson-Corrill-Brian, Inc., Glen Cove, L.I., N.Y.

 HANSON, GERALD N. (S'54-M'55), Mam. Tech. Staff, Bell Tel. Labs., 555 Union Blvd., Allentown, Pa.

 HANSON, GORDON II. (S'56-M'53), Design Engr., Remington Rand Univac, Minnehaha St., St. Paul 13, Minn.

 HANSON, HARRY L. (4'56), Group Head, Specifications & Standards Group, Collins Radio Co., Cedar Rapids, Iowa.

 HANSON, JOHN C. (M'58), Electronics Scientist, USAEPG, Ft. Huachuca, Ariz.

 HANSON, JOHN V. (S'53-M'55), Project Engr., Sinclair Radio Labs., Ltd., 70 Sheffield St., Toronto 12, Ont., Canada.

 HANSON, KENNETH L. (S'54-M'55), 2421 F. Balan St.
- HANSON, KENNETH L. (S'54-M'55), 2421 E. Helen St., Tucson, Ariz. HANSON, LESTER B. (S'49-A'51), Owner, L.B. Hanson Co., 214 York Rd., Jenkintown, Pa.
- Co., 214 York Rd., Jenkintown, Pa. HANSON, LLOYD G. (A'56), Lab. Instr., Tri-State College, Angola, Ind.
- Angola, Inc.

 Angola, Inc.

 HANSON, MERLYN L. (SM'5B), Asst. Supvr., Electronics Dept., Goodyear Atomic Corp., Box 62B, Portsmouth, Ohio.

 HANSON, MILTON E. (S'56-M'5B), Electronics Engr., Convair, Pomona, Calif.

 HANSON, O. B. (A'1B-M'27-F'41)(L), Consultant, RCA, Box 244, Westport, Conn.

 HANSON, O. R. (ANDOW. (S'55-M'59), Assoc. Engr., 2783 Glendessary Lane, Santa Barbara, Calif.

 HANSON, OSCAR W. (S'57-M'5B), Sub Lt., Royal Canadian Navy, Naval Hors., Ottawa, Ont., Canada.

 HANSON, P. ROLAND (M'45), Mgr., Engrg. Group, Raytheon Mfg. Co., Waltham, Mass.

 HANSON, RALPH E. (M'56), Elec. Engr., RCA, Camden, N.J.

- N.J.

 ANSON, RICHARD A. (M'54), Electronics Research Engr.,
 Lockheed Aircraft Corp., Missile Systems Div., 7701

 "Woodley Ave., Van Nusy, Callif.

 HANSON, RONALD E. (S'53-M'56), Staff Mem., Nuclear
 Instrumentation Div., Gulton Industries, 15000 E. Central,
 Albuquerque, N.M.

- Albuquerque, N.M.

 HANSSON, HANS W. (M'55), Telefon A.B.L.M. Ericsson,
 Debt. RGA-TE, Stockholm 32, Sweden.

 HANT, WILLIAM (S'56-M'57), Electronics Engr., Hughes
 Aircraft Co., Culver City, Calif.

 HANULEC, JOSEPH D. (S'56-A'57), Engrg. Aide, Hazeltine
 Electronics Corp., Little Neck 62, L.I., N.Y.

 HANUS, FRANK J. (A'47), Shop Supt., Schlumberger Oil
 Well Surveying Corp., 5000 Gulf Freeway, Houston,
 Tex.
- HANWAY, WILLIAM F. (S'57-M'59), Elec. Engr. 'C', RCA,
- Camden, N.J.

 HANYOK, ANDREW (A'55), Asst. Project Engr., Nuclear Prods., Erco Div., ACF Industries, Inc., Riverdale, Md.

 HANYSZ, EUGENE A. (S'47-A'4B-M'55), Supvr., Electro-Physical Research, Research Labs., GMC, 12 Mile & Mound Rds., Warren, Mich.

 HAPP, WILLIAM W. (A'54-SM'56), Lockheed Missile Systems Div., Palo Alto, Calif.

 HAPPE, WILLIAM H., JR. (A'39-M'55), Asst Genl. Mgr., Curtiss- Wright Electronic Giv., Central Ave., Carlstadt, N.J.

- N.J.

 HAPPELL, GEORGE E. (A'44-M'55-SM'55), Prof., Elec.
 Engrg., Purdue Univ., Lafayette, Ind.
 HAOUE, SHEIKH A. (M'56), Communication Engr., Dept. of
 Civil Aviation in Pakistan, Officer Otrs. B-131-5, Karachi
 Airport, Pakistan.
- HARA, BENJI (4'38-VA'39), Project Engr., Radio Engrg. Labs., Inc., 29-01 Borden Ave., Long Island City 1,
- N.Y.

 HARADA, NAOFUMI (M'57), Prof., Tech. Faculty, Tokushima Univ., Minami-Jyosamjima, Tokushima-shi, Japan.

 HARADA, SABURO (M'56), Radio Engr., Signal Div.,

 USARHAW, APO 957, San Francisco, Calif.

 HARALDSEN, HANS P. (S'54-M'57), Engr., Central Institute for Industrial Research, Forskningsveien 1, Blindem,

 Oslo, Norway.

 HARAL DSEN MIELL AND CONTRACT OF THE PROPERTY OF THE P

- Oslo, Norway.

 HARALDSEN, KJELL (M'56), Research Engr., HydroElectric Power Commission of Omtario, 620 University
 Ave., Toronto 2, Ont., Canada.
 HARAN, PAUL P. (S'55-M'57), Engr., American Machine
 & Foundry Co., 200 Henry St., Stamford, Conn.
 HARASHIMA, OSAMU (A'51-SM'57), Chief, Vacuum Tube
 Lab., Nippon Electric Co., Ltd., 1753 Tamagawa-Mukai,
 Simonumabe, Kawasaki, Japan.

- HARASIMOWITZ, STANLEY (S157-M159), Jr. Engr., IBM,

- Owego, N.Y.

 HARAWAY, ROBERT C. (A'52-M'57), Supvy. Electronics
 Engr., Redstone Arsenal, Huntsville, Ala.

 HARBAUGH, ALLAN W. (S'51-M'52), Staff Mem., Rand
 Corp., 1700 Main St., Santa Monica, Calif.
 HARBAUGH, RICHARD D. (M'58), Sr. Engr., Philco Corp.,
 3875 Fabian Way, Palo Alto, Calif.
 HARBEN, JOHN F. C. (M'51), Meter Engr., Ferranti-Packard,
 Ltd., Ste. Catherine, Toronto, Ont., Canada.

 HARBER, CHARLES D. (S'58-M'59), Design Engr., Bendix
 Aviation Corp., 11600 Sherman Way, North Hollywood,
 Calif.
- HARBERTS, HAROLD H. (A'57), Pres. & Genl. Mgr., Crown Pacific Maxim Management Consultants, 3755 Wilshire Blvd., Los Angeles 5. Calif.
- LOS Angeles 5, Calif.

 HARBIGGE, EDWARD A. (A'49), Engr., Pacific Telephone & Telepaph Co., 760 Market St., San Francisco, Calif.

 HARBIN, THOMAS F. (A'56-M'57), Supvr., Electronics Engr., Hgrs., Eastern GEEIA Region, Brookley AFB, Ala.

- Engr., Hgrs., Eastern GELIA Region, proortey AFD,
 Ala.

 ARBISON, JAMES L. (M'54), Radiologist in Civil Defense for State of Illinois, Hdgs., Southern Illinois
 Univ., Carbondale, Ill.

 HARBISON, ROBERT T. (A'56), Supvr., TV Transmitter,
 WHBQ. 1381 Madison, Memphis, Tenn.

 HARBIGLIS, SOTER S. (S'52-A'54-M'58), Sr. Engr.,
 Haller, Raymond & Brown, Inc., State College, Pa.

 HARBOUR, DEAN H. (M'5B), Instr., Physics, Dominquez
 Sr. H.S., 15301 S. San Jose St., Compton, Calif.

 HARBOUR, RICHARD D. (S'45-A'49-M'55), Assoc. Prof.,
 Elec. Engr., State College of Washington, Pullman, Wash.

 HARBOURT, CYRUS O. (M'59), Instr., Elec. Engrg.,
 Syracuse Univ., Syracuse 10, N.,
 P.ARCAR, ANDREW R. (A'57), Field Engr., TechRep.
 Div., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia
 32, Pa.

- ARCARIFKA, JOSEPH F. (A'51-M'56), 2B4 N. Kellner Ct., Columbus 9, Ohio.
 HARCHER, ALBERT J. (A'43-M'55), Works Mgr., Clevite Transistor Prod., Inc., Crescent St., Waltham, Mass.
 HARDCASTLE, CHARLES (A'44-M'55), Lecturer, Head of Electronics Div., Walsall Tech. College, Wisemore, Walsall, Staffs., England.
- Walsali, Stafts., England.
 HARDEN, CHARLES M. (M*53), Mgr., Engrg. Services,
 Lab. for Electronics, Inc., 75 Pitts St., Boston 14, Mass.
 HARDEN, JACOB G. (SM*48), Special Transmission Engr.,
 Indiana Bell Tel. Co., 240 N. Meridian St., Indianapolis
 9, Ind.
- 9, Ind.

 HARDEN, LEWIS R. (A'45), Elec. Engr., Hartford Special Machinery Co., 2B7 Homestead Ave., Hartford, Conn.

 HARDEN, O. CHARLES (S'52-M'58), Project Engr., Micro Switch, Chicago & Spring, Freeport, III.

 HARDEN, PAUL A. (A'45-M'46), Engr., Kali, Tele-Broadcasting Co., Inc., 75B E. Colorado St., Pasadena 4, Calif. HARDEN, ROBERT D. (A'47), Elec. Engr., Arvin Industries, Inc., Columbus, Ind.
- Inc., Columbus, Ind.
 HARDER, DOROTHEA (M'55), Staff Mem., Engrg., Geni.
 Precision Lab., Inc., 63 Bedford Rd., Pleasantville, N.Y.
 HARDER, JULIUS F. (A'51-M'56), Radome Design Group
 Leader, Grumman Aircraft Engrg. Corp., Bethpage, L.I., N Y.
 HARDER, RONALD B. (S'36-VA'39-M'55), Equipment
 Engr. Supvr., Western Electric Co., Hawthome Sta.,
 Chicago 23, III.

- Chicago 23, III.

 HARDESTY, GLEN A. (M'53), Technician, Palmeto TVRadio Service, 6729 S.W., 56 St., Miami 55, Fla.

 HARESTY, RICHARD D. (M'55), Electronics Engr.,
 Boeing Airplane Co., Wichita, Kan.

 HARDESTY, SAMUEL J. (A'5B), Test Engr., Westinghouse
 Elec. Corn., Air Am Div., Box 746, Baltimore, Md.

 HARDI, FRITS R. (M'59), 745 Melville St., Rochester 9,
 N.Y.
- N.Y.

 HARDIMAN, ELLIOTT R. (S'51-A'53-M'57), Sr. Electronics Engr., Philos Corp., Gov. & Industrial Div., 4700 Wissahickon Ave., Philadelphia 41, Pa.

- sanickon Ave., Philadelphia 41, Pd.
 HARDIN, BENJAMIN A. (M'56), Engar, Sales, Crockett-Lunc
 & Co., 2204 Griffin St., Dallas 2, Tex.
 HARDIN, CHARLES A. (M'57), Physicist, Aerojet Geni.
 Corp., Azusa, Calif.
 HARDIN, CLYDE D. (A'52-M'52), Asst. Chief, Advanced
 Research Lab., Diamond Ordnance Fuze Labs., Dept. of the
 Army, Washington 25, D.C.
- Army, Washington 22, D.C.

 HARDIN, KIRVIN D. (M'56), Staff Mem., Sandia Corp.,
 Sandia Base, Albuquerque, N. M.
 HARDIN, LAWRENCE L., JR. (SM'54), Field Engr.,
 Stavid Engrg., Inc., Hwy. 22, Plainfield, N. J.
 HARDIN, ROBERT H. ("5'4-A'55-M'5B), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.
- Staff, Hughes Aircraft Co., Culver City, Calif.

 HARDING, EDWARD W. (A'47-M'52), Sales Engr., Heimann Co., 1711 Hawthome Ave., Minneapolis, Minn.

 HARDING, GEORGE A. (A'51), TechRep., Baillistic Missile Div. in Los Angeles Area, Burroughs Research Center, Paoli, Pa.

 HARDING, GERALD D. (A'57), Engrg. Technician, GE Co., 3901 E. Lake Rd., Erie, Pa.

 HARDING, GILMAN C. (M'46), Systems Engr., FAA, Washington 25, D.C.

 HARDING, JOE E. (S'57-M'59), 1041D Joel Lane, Rancho Cordova, Calif.

 HARDING, JOHN H. (M'5B), 7B00 Muskegon Ave., Chicago 49, Ill.

 HARDING, KEITH C. (M'5B-SM'5B), Field Engr.. RCA.

- HARDING, JOHN H. (M'5B), 7800 Muskegon Ave., Chicago dy, Ill.

 HARDING, KEITH C. (M'5B-SM'5B), Fleld Engr., RCA, Harrison, N.J.

 HARDING, KENETH P. (S'57-M'5B), Engr., Florida Power & Light Co., 300 N.E. 3rd Ave., Ft. Lauderdale, Fla.

 HARDING, PETER (A'5B-M'59), Tech. Advisor, Japan Air Self Defense Force, (MAAG-J), RCA Internatl. Service Corp., Far East Office, APO 323, San Francisco, Calif.

 HARDING, PHILIP A. (S'53-A'55-M'59), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 HARDING, WARREN G. (S'49-M'56), Research Assoc. Univ. of Michigan, Williow Run Labs., Ypailsaiti, Mich.

 HARDISON, CHARLES W. (S'55-M'56), Assoc. Engr., Martin Co., Orlando, Fla.

 HARDISON, JAMES M. (M'5B), Box 4233, El Paso, Tex.

 HARDISON, JAMES M. (M'55), Asst., Prof., Physics, Northeastern Univ., 360 (Juntington Aw., Boston 15, Mass.)

 HARDWICK, AMBROSE H. (A'26-M'31-SM'43), V.P., Internatl. Resistance Co., 165 Broadway, New York 6, N.Y.

- HARDWICK, CLIFFORD L. (A'49-M'53-SM'58), Project Engr., Magnavox Co., 2131 Bueter Rd., Ft. Wayne 4, Ind. HARDWICK, FRAY (M'54), Engr., Union Electric Prods. Co., Inc., 24 Edison Pl., Newark 2, N.J. HARDY, ALBERT O. (A'43), Dir., Internatl. Brotherhood of Electrical Workers, 1200 15 St., N.W., Washington, D.C.

- HARDY, E. RAYMOND (A'52), GE Co., 100 Woodlawn Ave., Pittsfield, Mass.
 HARDY, HOLLIS G. (S'54-A'54), Engr., Sprague Electric Co., Marshauf St., North Adams, Mass.
 HARDY, HOWARD C. (M'46-SM'51), Consultant in Acoustics Howard C. Hardy & Associates, 22 W. Madison St., Chicago 2, III.

- 2, III.

 HARDY, LAVERNE H. (M'53), Pres., Bufatron, Inc.,
 3807 Harlem Rd., Buffalo 15, N.Y.

 HARDY, LUTHER H. (S'56-M'59), Staff Asst., Southwestern Bell Tel. Co., 900 W. Capitol, Little Rock, Ark.

 HARDY, NORMAN (A'52-M'57), Mfrs¹, Rep., Norman

 Hardy Associates, Wynotot, Pa.

 HARDY, OLIVER C. (A'58), Sr. Electronics Field Engr.,
 Federal Electric Corp., 621-671 Industrial Ave., Paramus, N.J.
- mus, N.J.
 HARDY, RICHARD M. (S'58-M'59), Controls Engr., Douglas
 Aircraft Co., 3855 Lakewood Bivd., Long Beach 8, Calif.
 HARDY, WARREN G. (A'49-M'55), Test Lab. Group Engr.,
 Convair-Astronautics, Box 1128, San Diego, Calif.
- Convair-Astronautics, Box 1128, San Diego, Calif.
 HARE, CYRUS M. (S'49-A'51-M'58), Electronics Engr.,
 U. S. Army Corps of Engrs., Beach Erosion Bd., 5210
 Little Falls Rd., N.,W., Washington 16, D.C.
 HARE, GEORGE H. (S'42-A'45-M'55), Consulting Engr.,
 Burroughs Corp., 460 N. Slerra Madre Vilia, Pasadena,
 Calif.
- HARE, JOHN (A'4B-M'55), Assi. Chlef Engr. (Electronics), Pametrada Research Sta., Wallsend-on-Tyne, Northumberland, England.

- HARE, MARDAM D. (M'5B), Genl. Electronics Engr., Charleston Naval Shipyard, Naval Base, S.C. HARE, MILTON D. (M'47-SM'57), Assoc. Prof., Dept. of Elec. Engrg., Stanford Univ., Stanford, Calif. MARE, VAN COURT M., J. (1.6/48-N'51-5'53-AM'57), Pres. & Treas., Analytical Associates, Inc., 90 Nassau St., Princeton, N.J. HAREL ARRAHAM (MM'5R) Electronics
- HAREL, ABRAHAM (M'5B), Electronics Engr., RCA, Camden 2, N.J.
- HARFORD, HENRY D. (M'5B), Dept. Mgr., IBM, Endicott,
- N.Y.
 HARGENS, C. W. (A'41-SM'50), Head, Blo-Electronics Branch, Franklin Institute Labs., Philadelphia 3, Pa. HARGER, ELMER J., JR. (S'53-A'55), Asst., Physics Dept., Univ. of Hawaii, Honolulu, Hawaii.
- HARGER, ROBERT O. (\$'53-M'55), 423 St. Charles St., Midland, Mich.

- HARGER NUBERTO. (S-93-M-93), 423-St. Chamles St., Midland, Mich.

 HARGER, WILLIAM W. (SM'52), Chief Project Mgr., Link Aviation, inc., Binghamton, N.Y.

 HARGES, MICHAEL T. (M'45), Pres. Empire Devices Prods. Coro., 37 Prospect, Amsterdam, N.Y.

 HARGETT, JOHN T. (M'57), Sr. Engr., Texas instruments, inc., 3609 Buffalo Speedway, Houston 6, Tex.

 HARGIS, ROBERT N. (S'50-A'51-M'56), Project Engr., Mototola, Inc., 1400 N. Cicero Ave., Chicago 51, III.

 HARGAVE, EGGLESTON T. (A'54), Signal Maint., Box 54, Central Sta., Jamaica 35, L.I., N.Y.

 HARGREAVES, LINTON D. (A'54), Genil. Mgr., & Tech. Dir., Dixle Broadcasting Co., 35B N. Capitol Pkwy., Montgomery, Alia.

 HARGROVE, BYRDN E. (SM'57), Lt., Col., U.S. Ampy,
- HARGROVE, BYRDN E. (SM'57), Lt. Col., U.S. Army, Retired, Mgr., Prescott Chamber of Commerce, Box 1147, Prescott, Ariz.
- Prescott, AFIZ.

 HARGROVE, JOAN L. (S'55-M'59), Electronics Engr.,
 Bell Helicopter Corp., Box 4B2, Ft. Worth, Tex.

 HARGROVE, PHILLIP E. (S'52-A'54), Project Engr.,
 Electron Tube Div., Litton Industries, 960 Industrial Rd.,
 San Carlos, Calif.

 HARGROVE, DICUMBRO A. (SUS-A)
- San Carlos, Callf.

 HARGROVE, RICHARD O. (S'52-A'55), Calibration Suovr.,

 Hughes Aircraft Co., Box 905.15, Los Angeles 45, Calif.

 HARING, DONALD R. (A'54-M'57), Research Asst., Elec.

 Engrg., MIT, Cambridge 39, Mass.

 HARING, LEWIS L. (A'53-M'57), Sr. Engr., Nuclear Dev.

 Div., Ford Instrument Co., 31-10 Thomson Ave., Long

 island City 1, N.Y.

 HARIU, WALTER R. (M'55), Chief Engr., Radio Wisconsin,

 Inc., WISC-AM-FM-TV, 4B01 W. Beltline Hwy., Madison

 5 Wie
- Inc., WI 5, Wis.
- D, WIS.

 HARJES, FREDERICK W. (A'55), Advanced Dev. Engr.,
 Servo Corp. of America, 2020 Jericho Tpke, New Hyde
 Park, L. I., N.Y.

 HARJESS, RICHARD E. (M'58), Quality Control & Design
 Engr., Entron, Inc., 4902 Lawrence St., Bladensbury,
 Md.
- Mid. N. Howard A. (M'57), Pres., Howard A. Harkavy, Inc., 341 Madison Ave., New York 17, N.Y. HARKAVY, VICTDR M. (SM'52), Operations Analyst, Hars., Tactical Air Command, Langley AFB, Va. HARKER, KENNETH J. (A'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. HARKER, REED B. (S'56-M'57), Electronics Engr., California Institute of Technology, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif. HARKEY, THOMAS J. (A'58), Radio Installation & Repair, Red River Arsenal, Texarkana, Tex. HAWKINS, DWIGHT (A'52), Owner, Genl. Mgr., Harkins Radio Mfg., Vinson-Carter Electric Co., 4444 E. Washington, Phoenix, Ariz. HARKINS, PHILIP B. (A'31-SM'48), Voice of America,

- Natio Mig., vision-take Electic Co., 49-41 Missing ton, Phoenix, Ariz.

 HARKINS, PHILIP B. (a'31-SM'4B), Voice of America, 330 Independence Ave., S.W., Washington 25, D.C.

 HARKINS, STANLEY F. (a'57), Sales Mgr., Laminair, Inc., 18530 S. Broadway, Cardena, Calif.

 HARKLESS, EARL T. (a'53-M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 HARKLESS, LLOYD B. (S'56-M'57), Engr., Sylvania Elec. Prinds., Inc., Wailham. Mass.

 HARLAN, JAMES R. (S'4B-A'50-M'55), Electronics Engr., Physics Research Lab., Univ. of Illinois, Champaign, Ill.

 HARLAN, RICHARD A. (M'56), Group Engr., Lockheed Missile & Space Div., Box 3B90, Honolulu, Hawali.

 HARLAN, ROBERT E. (A'52-M'57), Equipment Sales, RCA Semiconductor Div., 6355 E. Washington Blvd., Los Angeles 22, Calif.

- HARLAN, WILLIAM E. (A'56), Maj., USAF. Home: 109
 South St., Fairborn, Ohlo.
 HARLEY, JAMES M. (SM'56), Engrg. Specialist, Sylvania
 Electronic Defense Lab., Box 205, Mountain View, Calif.
 HARLEY, JOHN B. (A'27-Va'39-SM'56), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.
 HARLEY, THE DODRE P. (S'58-M'59), Research Engr.,
 Boeling Aircraft Co., Seattle, Wash.
 HARLIN, WILLIAM R. (S'56-M'59), Engr., Bell Tel.
 Labs., Laureldale, Pa.
 HARMAN, OUANE G. (S'45-A'47-M'51-SM'56), Project
 Design Engr., Convair, Box 748, Ft. Worth, Tex.
 HARMAN, GEORGE F., JR. (A'53), Assoc. Dev. Engr.,
 Burroughs Corn., Paoli, Pa.
 HARMAN, WARD A. (S'46-A'49-M'55), Mem. Tech.
 Staff, GE Co., 601 California Ave., Palo Alto, Calif.
 HARMAN, WILLIS W. (S'44-A'49-SM'54), Prof., Elec.
 Engrg., Stanford University, Stanford, Calif.
 HARMATUK, SAMUEL N. (A'49-M'49), Lt., Radio Supwr.,
 New York Fire Dept., 48-67, 34 St., Long Island City 1,
 N.Y.
 HARMATZ, HARRY J. (S'46-A'47-M'53), Engrg. Div.,

- N.Y.

 HARMATZ, HARRY J. (S'46-A'47-M'53), Engrg. DIv.,
 New York City Dept. of Purchase, New York 7, N.Y.:
 Electronics Consultant & Instr., Radio & TV.

 HARMEGNIES, PAUL A. (A'51-M'56), Prof. Faculte Polytechnique de Mons, Rue de Houdian, Mons, Halnaut, Bel-

- technique de Mons, Rue de Houdian, Mons, Halnaut, Belgium.

 HARMER, JOHN O. (A'59), Transmitter Engr., Air Tralls, inc., WCOL, 22 S. Young St., Columbus 15, Ohio.

 HARMER, JOHN D. (A'56), Elec. Engr., Raytheon Mfg.
 Co., Maynard, Mass.

 HARMER, RICHARD L. (A'54), Production Engr., Magnavox
 Co., 2131 Bueter Rd., Ft. Wayne, Ind.

 HARMON, FRED I. (M'52), Pres., Southwestern Engrg. & Equipment Co., 3906 Lemmon Ave., Dallas 21, Tex.

 HARMON, FED I. (M'52), Pres., Southwestern Engrg. & Equipment Co., 3906 Lemmon Ave., Dallas 21, Tex.

 HARMON, HENRY D. (S'51-A'53-M'58), Elec. Engr., RCA, Semiconductor Div., Rte. 202, Somerville, N.J.

 HARMON, HERBERT F. (M'58), Sr. Engr., AT&T Co., 400

 Hamilton Ave., White Plains, N.Y.

 HARMON, JAMES M. (S'57-M'58), Design Engr., Convair, Ft. Worth, Tex.

 HARMON, JEON O. (M'56), Mem. Tech. Staff, Bell Tel.

 Labs., Murray Hill, N.J.

 HARMON, REDPRING M'56, Mem. Tech. Staff, Bell Tel.

 Labs., Murray Hill, N.J.

 HARMON, RALPH N. (A'30-SM'45-F'52), Oir. & V.P. for Engrg., Westinghouse Broadcasting Co., Inc., 122 E. 42 St., New York 17, N.Y.

- HARMON, ROBERT E. (S'56-M'57), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Oallas, Tex.
 HARMON, ROBERT E. (A'59), Service Mgr., J. O. Ryerson Associates, Inc., Box 1400, Syracuse 1, N.Y.
 HARMON, SAMUEL T. (M'56), Grad. Research Asst., Electorn Tube Lab., Dept. of Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.

- Ann Arbor, Mich.

 HARMON, WALTERS, (A'26-SM'47), Owner, W. S.

 Harmon Co., Box 1380, Beverly Hills, Calif.

 HARMON, WILLIAM G. (S'53-A'55), Electronics Engr.,

 Hughes Aircraft Co., Culver City, Calif.

 HARMON, WILLIAM L. (A'53-M'56), Electronics Scientist,

 Wright Air Development Center, Wright-Patterson AFB, Ohio.

 HARMON, WILLIAM R. (A'42-M'47-SM'54), Project Mar.,

 U. S. Information Agency, Broadcasting Service, Washington

 25, D. C.
- HARMON, WILLIAM R., JR. (S'47-A'48-M'53), Sr. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. HARMS, FREDERICK G. (A'53), Electronics Engr., Ecco High Frequency Corp., 7020 Hudson Blvd., North Bergen, N.J.
- N.J.

 HARMS, RICHARD G. (M'48), Research Engr., A.P.S.,
 Boeing Airolane Co., Plant %2, Seattle, Wash.
 HARNACK, WILLIAM P. (S'49-A'50-M'59), Project Engr.
 Adler Electronics, Inc., 1 Le Fevre, New Rochelle, N.Y.
- HARNAR, RICHARO K. (S'54-M'57), Systems Test Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
- HARNDEN, LLOYD W. (S'55-M'57), Staff Ast., South-western Bell Tel. Co., 405 N. Broadway, Oklahoma City, Okla.
- HARNETT, OANIEL E. (A'25-M'35-F'42), Engr., GE Co.,
- Syracuse, N.Y.

 HARNETT, LAWRENCE T. (M'56), Project Engrg. Supvr.,
 Arma Div., Roosevelt Field, Garden City, L.I., N.Y.

 HARNETT, RICHARD J. (A'51), Contract Specilaist, Specialized Div., Aeronautical Systems Center, Wright-Patterson
 AFB, Ohio.
- HARNEY, PATRICK J. (M'46), Meteorologist, Air Force Cambridge Research Center, Geophysical Research Oirectorate, 11 Leon St., Boston 15, Mass. HAROKOPUS, WILLIAM P. (A'53-M'57), Engr., Research Lab., Bendix Aviation Corp., Box 5115, Southfield Township, Mich.

- HAROLD, PAUL H. (S'57-M'58), Engr., Philco Corp., C & Tioga St., Philadelphia 44, Pa. HAROULES, GEORGE G. (M'57), Electronics Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford,
- Mass.

 HARP, CHARLES E. (A'51-M'51-SM'55), Assoc. Prof.,
 Elec. Engrg., Univ. of Oklahoma, Norman, Okla.

 HARPENAU, REGIS L. (S'54-M'57), Jr. Engr., Alresearch
 Mfg. Co., 9851 Sepulveda, Los Angeles 45, Callf.

 HARPER, ALFRED Y. (S'58-M'59), Elec. Engr., Army
 Rocket & Guided Missile Agency, Redstone Arsenal, Ala.

 HARPER, CLARENCE E. (S'49-A'50), Project Engr., Tech.
 Prods., Waste King Corp., 5550 Harbor St., Los Angeles
 22, Calif.
- HARPER, ERNEST E. (A'43-M'55), Oir., V.P., Engrg., KVOS, Inc., Radio & TV Dir., V.P. Internati. Good Music, (FM), 1151 Ellis St., Bellingham, Wash.
- HARPER, FLOYO N. (A'43-M'55), Engr., Well Surveys, Inc., 10700 E. Independence, Tulsa, Okla.
- Inc., 10700 E. Independence, Tulsa, Okla.
 HARPER, FREO M. (S'55-M'56), Site Engr., GE Co.,
 Syracuse, N.Y.
 HARPER, GORDON E. (S'56-M'58), Electronics Asst.,
 Camegie Institution of Washington, Stanford, Calif.
 HARPER, JAMES M. (S'49-A'51-M'56), Group Engr.,
 Boeing Simlane Co., Wichita, Kan.

- HARPER, JAMES W. (A'52-M'57), Electronics Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala. HARPER, JOHN T. (A'55), Project Mgr., Aircraft Armaments, Inc., Cockeysville, Md.
- Inc., Cockeysville, Md.

 HARPER, JOHN W. (S'50-A'51-M'56), Advanced Dev.
 Engr., Sylvania Electronic Defense Lab., Box 205, Mountair
 view, Calif.
- HARPER, MORLEY J. (S'55-M'57), Elec. Engr., Bendix Radio Div., Baltimore 4, Md. HARPER, PAUL T. (M'58), Electronics Research Engr., Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif.
- HARPER, R. BARNETT (M'45), Sales Engrg., Sperry Utah Engrg. Lab., 322 N. 21 St., W., Salt Lake City 16, Utah.

- Utah.

 HARPER, RABUN B. (S'55-M'56), Mem. Tech. ITT Labs.,
 15151 Bledsoe St., San Fernando, Calif.

 HARPER, ROBERT (A'51-M'56), Engr., Raytheon Mfg.
 Co., Burlington, Mass.

 HARPER, SAMUEL O. (SM'58), Staff Engr., Datamatic
 Div. of Minneapolis-Honeywell Regulator Co., 151
 Needham St., Newton Highlands 61, Mass.
- HARPSTER, WARREN T. (S'42-A'43-M'55-SM'55), Principal Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo, N.Y.
- HARRELL, CHARLES D. (M'58), Engr., Mountain States Telephone & Telegraph Co., 625 Silver, S.W., Albuquerque, N.M.

- Telephone & Telegraph Co., 625 Silver, S.W., Albuquerque, N.M.,

 HARRELL, DONALD H. (M'45), Mgr., O. H. Harrell Co., 315 4 St., Logansport, Ind.

 HARRELL, EDWARD E. (A'58), Individual Operation, Harrell Experimental Lab., Box 657, Norfolk, Va.

 HARRELL, RICAHRO J. (A'54), 4 Florida Ct., Urbana, III.

 HARRELL, RICAHRO J. (S'53-M'57), Commercial Rep., AT&T., 436 Seybold Bldg., Miami 32, Fla.

 HARRIES, GERALD V. (S'56-M'57), Jr. Engr., IBM, 99 Notre Dame Ave., San Jose, Calif.

 HARRIES, GERALD V. (S'56-M'57), Jr. Engr., IBM, 99 Notre Dame Ave., San Jose, Calif.

 HARRIES, J. H. OWEN (A'28-SM'44), Principal of Owens Harries, Consulting Engrs., Warwick, Bermuda.

 HARRIES, WOLFGANG (M'53), Chief, Control Instrumentation Group, Electronic Associates, Inc., Long Branch, N.J.

 HARRIES, WYNFORD L. (SM'55), Sr. Project Engr., ITT Labs., Nutley 10, N.J.

 HARRIGAN, GEORGE S. (SM'52), Chief Engr., Admiral Corp., 3800 Cortland St., Chicago 47, III.

 HARRIGAN, PHILIP M. (S'49-A'51-M'56), Research Engr., Detroit Edison Co., 2000 2nd Ave., Detroit, Mich.

 HARRILL, JAMES W. (S'55-M'5B), 2nd Lt., USAF, Box 321, Malden AFB, Miss.

 HARRIMAN, DEAN E., JR. (S'45-A'47-M'55-SM'57), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Oowney, Calif.

 HARRIMAN, THOMAS J. (M'56), Dir., Engrg., Giannini

- Owney, Calit.

 HARRIMAN, THOMAS J. (M'56), Dir., Engrg., Giannini Controls Corp., 918 E. Green St.. Pasadena. Calif.

 HARRINGTON, CHARLES F., JR. (M'56), Electronics Engr., Underwood Research Lab., 56 Arbor St., Harfford, Conn.

 HARRINGTON, OANIEL C. (S'46-A'49-M'55), Principal Engr., Mech. Div., Cenl. Mills, Inc., 2003 E. Hemepin Ave., Minneapolis 13, Minn.
- HARRINGTON, DON A. (S'55-M'56), Signal Circuit Engr., Northern Pacific Railway Co., 176 E. 5 St., St. Paul 2, Minn.
- 2, Minn.

 HARRINGTON, EDGAR W. (M'56), Engr., Sylvania Elec.

 Prods., Inc., Waltham, Mass.

 HARRINGTON, EDMUND C. (M'45), Staff Engr., Hycon

 Eastern, Inc., 75 Cambridge Pkwy, Cambridge, Mass.

 HARRINGTON, EVERETT W. (A'54), Electronics Specialist,

 FAA, Worcester Airport, Worcester, Mass.

 HARRINGTON, JEROME (M'59), Asst. Dir., Prod. Research,

 Micro Switch Div., Minneapolis-Honeywell Regulator Co.,

 Freeport, III.

- Freeport, III.

 HARRINGTON, JOHN V. (A'37-M'55-SM'56), Oiv. Head,
 MIT, Lincoln Lab., Lexington 73, Mass.

 HARRINGTON, LOUIS M. (S'56-M'57), Designer "A" Engr.,
 Oouglas Aircraft Co., 728 Lapham, El Segundo, Calif.

 HARRINGTON, MAURICE W. (S'52-A'53-M'58), Filight
 Test Engr., Convair-Astronautics, San Oiego, Calif.

 HARRINGTON, RAY H., JR. (S'51-A'53-M'58), Electronics
 Prod. Engr., Genl. Precision Lab., Inc., Pleasantville,
 N.Y.
- HARRINGTON, RICHARD R. (A'57), Missile Field Service Rep., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.

- Santa Monica, Calif.

 HARRINGTON, ROBERT D. (A'54), Physicist, Natl. Bureau of Standards, Boulder, Colo.

 HARRINGTON, ROBER F. (S'48-A'53-M'57), Assoc. Prof., Elec. Engro., Syracuse Univ., Syracuse, N.Y.

 HARRINGTON, VIRGIL L. (M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 HARRINGTON, WALTER L. (S'57-A'58), Field Engr., Martin Co., Orlando, Fla.

 HARRINGTON, WALTER L. (S'57-A'58), Project Engr., Magnavox Co., 2131 Bueter Rd., Ft. Wavne 4, Ind.

 HARRIS, ALBERT S. (A'39-M'55), Co-Partner & Sales Engr., Western Electronic Enterprises, Box 1116, Gardena, Calif.

 HARRIS, AUBREY (M'57), Video Dev. Forc. Annual Calif.

- Gardena, Calif.

 HARRIS, AUBREY (M'57), Video Dev. Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 HARRIS, B. E., JR. (A'45-M'55), Chief Missile Engr., Polaris Test Project, Navy Bureau of Ordnance, AF Missile Test Center, Fla.

 HARRIS, BERNARO (S'48-A'52-SM'57), Engr. Scientist, New York Univ., University Hights., Bronx 53, N.Y.

 HARRIS, BERNARD L. (S'49-A'51-M'57), Project Engr., Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore 27, Md.
- Middle Corp., 1909 Fast Park Ro., Battimbre 27, Middle Corp., 6001 W. Dickens Ave., Chicago, III.

 HARRIS, BRUCE J. (M'15B), Project Engr., Lynch Carrier Systems, Inc., 695 Bryant St., San Francisco, Calif.

 HARRIS, C., FRANK (A'56), Group Engr., Northrop Aircraft, Inc., Patrick AFB, Fla.

 HARRIS, CHARLES C. (S'26-M'27-SM'43), V.P. & Chief Engr., Tropical Radio Telegraph Co., Genl. Office, 80 Federal St., Boston 10, Mass.

 HARRIS, CHARLES D. (A'57), Mathematician, Arabian America Oil Co., 505 Park Ave., New York 22, N.Y.

 HARRIS, CLAUOE M. (A'46-SM'57), Oir. of Engrg., Radio Free Europe, Free Europe Committee, 2 Park Ave., New York 16, N.Y.

- HARRIS, CYRIL M. (SM'50), Dir., Acoustics Lab., Assoc. Prof. of Elec. Engrg., Columbia Univ., 632 W. 125 St., New York 25, N.Y.
- New York 25, N.Y.

 HARRIS, D. LOU (A'41-M'55), Pres., Atlas Radio Corp., Ltd.; Atlas Instrument Corp., 50 Wingold Ave., Toronto 19, Ont., Canada.

 HARRIS, DALE S. (M'54), District Rcp., Navy Equipment, GE Co., 777 14 St., N.W., Washington 5, O.C.

 HARRIS, DANIEL B. (M'59), Mal., USAF, Research & Oev. Staff Asst., Ballistic Missiles Div., Air Force Unit P.O., Los Angeles 45, Callistic Missiles Div., Air Force Unit P.O., Los Angeles 45, Call.

 HARRIS, DANIEL J. (S'45-A'47-M'55), Research Engr., Roth Lab. For Physical Research, 1240 Main St., Harford, Com.

- ford . Conn
- ford, Conn.

 HARRIS, DAVIO C. (M'57), Dev. Engr., Advanced Electronics Center, GE Co., Ithaca, N.Y.

 HARRIS, DAVIO E. (A'43-SM'54), Staff Engr., Haller, Raymond & Brown, Inc., Science Park, State College, Pa.

 HARRIS, DONALD B. (SM'45-F'56), Mgr., Electron

 Physics, GE Microwave Lab. at Stanford, 601 S. California Ave., Palo Alto, Calif.

 HARRIS, DONALD P. (M'57), Engr., Natl. Bureau of

 Standards, Boulder, Colo.

 HARRIS, EDWARD F. (S'44-A'47-M'55), Owner, Mark Prods.

 Co., 6412 Lincoln St., Morton Grove, III.

- CO., 6412 LINCOIN St., MORTON GROVE, III.
 HARRIS, EDWARD M. (A'57), Suppy. Electronics Technician,
 National Institutes of Health, USPHS, 9000 Wisconsin Ave.,
 Bethesda 14, Md.
 HARRIS, EOWARD R. (M'52), Asst. Tech. Oir., Norden
 Div., United Aircraft Corp., 121 Westmoreland Ave.,
 White Plains, N.Y.
- white Fiams, N.Y.

 HARRIS, ERNEST A., JR. (S'46-A'48-M'55), Head,
 Countemeasures Evaluation Branch, U.S. Naval Ordnance
 Lab., Corona, Calif.

 HARRIS, EVERETT L. (A'55), Sr. Research Engr., No.
 Amer. Aviation, 4300 E. 5 Ave., Columbus 5, Ohio.

 HARRIS, FEDERICO (SM'55), Systems Engr., RCA,
 Clark, N.J.

- HARRIS, FEDERICO (SM'55), Systems Engr., RCA, Clark, N.J.

 HARRIS, FLOYO M. (A'36-VA'39-M'55), Patent Atty. RCA Labs., Princeton, N.J.

 HARRIS, FRANCIS S. (SM'59), Chief Electronics Engr., Microwave Associates, Inc., Burlington, Mass.

 HARRIS, FRANKLIN H. (S'41-A'44-M'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 HARRIS, FREOERICL. (S'56-M'57), Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 HARRIS, FREOERICK (SM'56), Engrg. Rep. & Consultant, Avion Div., ACF Industries, Inc., Paramus, N.J.; Stanley Aviation Corp., 2501 Dallas St., Denver, Colo.; Plasamadyne Corp., 3839 S. Main St., Santa Ana, Calif.; Oaren Co., 530 W, Mt., Pleasant Ave., Livingstone, N.J.; Quantum Inc., Lutbery Rd., Wallingford, Com.

 HARRIS, FREDERICK D. (A'53), Pres., British Radio Electronics, Ltd., 1833 Jefferson Pl., N.W., Washington 6, D.C.

- Mgron 6, D.Z.

 HARRIS, GEDRGE G., JR. (M'59), Aeronautic Design Engr.,
 Army Ballistic Missile Agency, Huntsville, Ala.

 HARRIS, GERALD T. (M'57), Field Engr., RCA Service
 Co., Camden B, N.J.

 HARRIS, H. HERBERT (SM'47), Mgr., Prod. Planning
 & Line Dev., Electronics Oiv., Philoc Corp., C & Tioga
 Sts., Philadelphia 34, Pa.
- HARRIS, H. NORRIS, JR. (M'59), Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y. HARRIS, HAROLD F. (S'56-M'57), 1010 Lexington Dr.,
- Inving, Lex.
 HARRIS, HAROLO H. (A'46-M'55), Pres., Harris-Hanson Co., 2814 S. Brentwood Blvd., St. Louis 17, Mo. HARRIS, HARRY N. (A'49-M'55), Electronic Scientist, U.S. Govt. Ballistic Research Labs., Aberdeen Proving Ground, Md.
- HARRIS, HARVEY H. (M'56), Engr., Crosley Oiv., Avco Mfg. Corp., 1329 Arlington St., Cincinnati, Ohio. HARRIS, HERBERT, JR. (S'37–A'41–M'55), Mgr., Air Armament Oiv., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- Ammanent UIV., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HARRIS, HERBERT F. (A'50), Sr. Electronics Engr., Convair, Pomona, Calif.

 HARRIS, HIRAM D. (A'30-VA'39-M'55), Prof., Elec., Engr., Rensselaer Polytechnic Institute, Troy), N.Y.

 HARRIS, HOLLIS W. (A'43-M'48), Partner, Harris, Williams & Patterson, 711 Kentucky, Amarillo, Tex.

 HARRIS, HOLTON E. (M'5B), Pres. & Chief Engr., Harrel, Inc., 1788 1st Ave., New York 28, N.Y.

 HARRIS, HUNTER C., JR. (S'46-A'48-M'51), Tech. Mgr., Sylvania Elec. Prods., Inc., Needham, Mass.

 HARRIS, J. WREN, SR. (A'57), Pres., Radio Communications & Engra. Co., Inc., 418 N. Cleveland, Albany, Ga.

 HARRIS, JAMES B. (M'48), Instr., Central Tech. Institute 1644 Wyandotte St., Kansas City 8, Mo.

 HARRIS, JAMES E. (A'54), Engr., GE Co., LMED, Ithaca, N.Y.

 HARRIS, JAMES H. (S'57-M'58), Project Engr., Research

- Ithaca, N.Y.
 HARRIS, JAMES H. (S'57-M'58), Project Engr., Research & Oev., John Oster Mfg. Co., 1 Main St., Racline, Wis.
 HARRIS, JAMES L. (M'58), Assoc. Engr., Univ. of California, Visibility Lab., S. I.O., San Diego 52, Calif.
 HARRIS, JAMES R. (A'43-M'49), Data Communications Dev. Engr., Bell Tel. Labs., Murray Hill, N.J.
 HARRIS, JAMES S. (SM'51), Oesign Supt. (Terminal Office Facilities), RCA Communications, Inc., 66 Broad St., New York 4, N.Y.

- St., New York 4, N.Y.
 HARRIS, JAMES W. (SM'58), Sect. Engr., Mem. Tech.
 Staff, Supvr., Hughes Aircraft Co., Culver City, Calif.
 HARRIS, JENE F. (A'49), Electronics Technician, N.O.T.S.
 Michelson Lab., 3541, China Lake, Calif.
 HARRIS, JOHN E. (A'59), Chief Instr., Radio Electronic
 Television Schools, St. Catherines, Ont., Canada.
 HARRIS, JOHN E. JR. (A'50-M'54), Eastern Regional Contracts Mgr., Haller, Raymond & Brown, Inc., Circleville
 Rd., State College, Pa.
 HARRIS, JOHN E. (SM'52), Engr. Westlewer, Electronic Contracts Mgr., Haller, Raymond & Brown, Inc., Circleville
 Rd., State College, Pa.
- HARRIS, JOHN F. (SM'52), Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 3, Md. HARRIS, JOHN N. (S'48-A'51-M'57), Staff Mem., Lincoln Lab., MiT., Lexington 73, Mass. HARRIS, JOHN R. (A'57), Maint. Suppry., Oept. of the Army, USAEPG, Ft. Huachuca, Ariz.

 100112 KFNNETH B. (S'44-A'49-SM'54), Genl. Sur
 - HARRIS, KENNETH B. (S'44-A'49-SM'54), Genl. Supvr., Supplies, Bell Tel. Co., of Canada, 1050 Beaver Hall Hill, Montreal, P.Q., Canada.

- HARRIS, KENNETH L. (S'54-M'56), Field Engr., Hughes Alrcraft Co., Culver City, Calif. HARRIS, KENNYTH E. (SM'55), Deputy Mng. Dir., Cossor Radar & Electronics, Ltd., The Pinnacles, Elizabeth Way, Harlow, Essex, England.
- HARRIS, KONSTANTINE W. (\$'50-A'51), Project Engr., Magnavox Research Labs., 2255 Carmelina Ave., Los Angeles, Calif.
- Angeres, Calif.

 HARRIS, L. DALE (SM'58), Head, Elec. Engrg. Dept., Univ. of Utah, Salt Lake City 12, Utah.

 HARRIS, LAWRENCE (A'41-M'46-SM'51), Supvy. Genl. Engr., Material Lab., Code 991, N.Y. Naval Shipyard, Brooklyn, N.Y.
- Brooklyn, N.Y.

 HARRIS, LAWRENCE A. (S'45-A'48-M'55), Research
 Assoc., GE Co., The Knolls, Schenectady, N.Y.

 HARRIS, LEE B. (M'58), Digital Systems Engr., Ordnance
 Engr., Ordnance Dept., GE Co., 100 Plastics Ave.,
 Pittsfield, Mass.

 HARRIS, LEIF (S'56-M'58), Elec. Engr., Radiation,
 Inc., Box 37, Melbourne, Fla.
- Inc., Box 37, Melbourne, Fla. HARRIS, LEO D. (M'55), Component Engr., GE Co., Utica, N.Y.
- Utica, N.Y.

 HARRIS, LEO R. (S'57-A'58), Electronics Technician I,

 Stromberg-Carlson Co., 14DD N. Goodman St., Rochester

 9, N.Y.
- HARRIS, LEWIS H. (M'57), Project Engr., Central Experimental & Proving Est., RCAF, Sta. Uplands, Ottawa, Ont., Canada.

- Canada.

 HARRIS, LEWIS M. (S'52-A'55), Electronics Engr., Hughes Aircraft Co., Holloman AFB, N.M.

 HARRIS, LLOYD R. (A'44-M'55), Sales Mgr., Genl.
 Instrument, F. W. Stekles of Canada, Ltd., 151 Weber St., Waterioo, Ont., Canada.

 HARRIS, LUTHER G. (S'51-A'52-M'56), Electronics Engr., USN Electronics Lab., San Diego 52, Calif.

 HARRIS, M. RICHARD (S'50-A'51-M'57), Chief Elec.
 Engr., Servomechanisms, Inc., 12500 Aviation Bldg., Hawthorne, Calif.
- nawnorme, Calif.

 HARRIS, OLIVER E. (A'56), Asst. Foreman, Dominion
 Foundries & Steel, Hamilton, Dnt., Canada.

 HARRIS, ORVILLE R. (A'46-SM'53), Prof. & Assoc. Dir.,
 Research Labs. for Engrg. Sciences, Univ. of Virginia,
 Charlottesville, Va.

- Convair, January Carlos Carlos

- HARRIS, ROBERT L. (S'57-M'58), Engr., GE Co.,
 Ultica, N.Y.

 HARRIS ROBERT L., JR. (S'50-A'51-M'57), Electronics
 Engr., McDonnell Aircraft Cor., Lambert-St. Loulis
 Municipal Airport, St. Loulis 3, MO.

 HARRIS, ROY H. (M'57), Mem. Tech. Staff, Bell Tel.
 Labs., 204 Graham-Hopoedale Rd., Burlinston, N.C.

 HARRIS, ROY J. T. (S'49-A'51-M'56), Lab. Dir., Thomas
 Industries, Inc., Dak St., Fort Alkinson, Wis.

 HARRIS, S. J. (A'45-SN'51), Mgr., Elec. Engr., Auto
 Tuner Div., Radio Condenser Co., Camden 3, N.J.

 HARRIS, SEYMOUR M. (S'52-M'55), Sr. Elec. Engr.,
 Communications, Adler Electronics Corp., 1 Lefevre Lane,
 New Rochelle, N.Y.

 HARRIS, SMITH (S'52-A'53), Assoc. Mem. Tech. Staff,
- New Kocnelle, N.Y.

 HARRIS, SMITH (5'52-A'53), Assoc. Mem. Tech. Staff,

 Bell Tel. Labs., Murray Hill, N.J.

 HARRIS, STEPHERN M. (S'55-M'58), Tech. Staff Mem.,

 Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42,

 Mass.

- HARRIS, THOMAS J. (M'58), Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y. HARRIS, THOMAS J. (M'58), Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y. HARRIS, THOMAS L. (M'56), Dev. Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 HARRIS, THOMAS R. (A'56), Prod. Sales Mgr., Electronic Div., AMP, Inc., Elsenhower St., Harrisburg, Pa. HARRIS, VERNON M. (A'56), Owner, Universal Electronics, 4803, E. 46 St., Des Moines 17, Iowa.

 HARRIS, VIRGIL E. (A'53-M'58), Electronics Engr., Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa.

 HARRIS, WALTER A. (S'39-A'42-M'55-SM'56), Staff Engr., RCA, Camden 2, N.J.

 HARRIS, WAYNE C. (S'57-M'59), Jr. Engr., IBM, Endicott, N.Y.

 HARRIS, WILBUR T. (SM'53), Pres. & Tech. Dir., The Harris Targetime State Control of the Parket Targetime Sta

- Endicott, N.Y.

 HARRIS, WILBUR T. (SM'53), Pres. & Tech. Dir., The Harris Transducer Corp., Woodbury, Conn.

 HARRIS, WILLIAM A. (SM'50-F'55), Engr., Advanced Dev. Group, RCA, Harrison, N.J.

 HARRIS, WILLIAM B. JR. (S'55-M'57), Sales Engr., GE Co., 60 Jackson, Holyoke, Mass.

 HARRIS, WILLIAM C. (A'59), Research Technician, Southwest Research Institute, 8500 Culebra Rd., San Antonio, Tex.
- Tex.

 HARRIS, WILLIAM P. (M'57), Physicist, Natl. Bureau of Standards, Washington 25, D. C.

 HARRIS, WILLIAM T. (A'52-M'57), Administrative Mgr., Radio Relay Mktg., RCA Internatl. Div., Clark, N. J.

 HARRISON, A. E. (A'41-SM'45-F'55), Prof., Dept. of Elec. Engrg., Univ. of Washington, Seattle 5, Wash

 HARRISON, ARTHUR E. (SM'55), Avionics Systems Engr., Grumman Aircraft & Engrg. Corp., Bethpage, L. I., N. Y.

 HARRISON, BASIL A. (S'55-M'57), Engr., Daystrom-Weston Industrial Oiv., Daystrom, Inc., Manchester Rd., Poughkeepsie, N. Y.

 HARRISON, BENJAMIN H. (M'55). Sect. Head, Stromberg-
- Poughkensie, N.Y.

 HARRISON, BENJAMIN H. (M'55), Sect. Head, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 10, N.Y.

 HARRISON, BLAIR H. (S'56-M'58), Elec. Engro., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 HARRISON, BRUCE M. (A'58), Raditian on DEW Line, Federal Electric Corp., Lodi, N.J.

 HARRISON, C. LUTHER (S'54-A'56), Asst. Prof., Broome Tech. Community College, Binghammon, N.Y.

 HARRISON, C. WILLIAM (M'54), Engr., Genl. Radio Co., 8055 '13 St., Silver Spring, Md.

- HARRISON, CECIL J. (SM'51), V.P., Rixon Electronics, Inc., 2414 Reedie Dr., Silver Spring, Md.
 HARRISON, CHARLES E. (4'43-M'46-5M'49), Pres. & Chief Engr., Technisonic Studios, Inc., 1201 Brentwood Blvd., St. Louis 17, Mo.
 HARRISON, CHARLES E. (5'50-A'51-M'56), Lt. Col., U.S. Army Signal Corps, U.S. Army Air Defense Board, Pt. Bliss, Tex.
- HARRISON, CHARLES W. (A'50-M'55), Pres., Harrison Labs., Inc., 45 Industrial Rd., Berkeley Heights, N.J. HARRISON, CHARLES W., JR. (SM'57), Research Engr., Sandia Corp., Sandia Base, Albuquerque, N.M. HARRISON, DDROTHY J. H. (A'45), 23 McCarter Ave., Fair Haven, N.J.
- HARRISDN, EDWARD F. (S'56-A'56), Area Engr., Emergency Radio Service, 802 S. Cavin St., Ligonier, Ind. HARRISON, FRANK (SM'57), Assoc. Dean, Dir., Medical Electronics Lab., Southwestern Medical School, Dallas 35,
- HARRISDN, GERALD S. (S'50-A'53-M'58), Project Engr., Olympic Radio & TV, 34-D1 38 Ave., Long Island City, 1, N.Y.

- Olympic Radio & TV, 34-D1 38 Ave., Long Island City, 1, N.Y.

 HARRISON, HAROLD W. (A'54), Genl. Mgr., Menlo Park Engrg., 711 Hamilton Ave., Menlo Park, Calif.

 HARRISON, HARRY (S'44-A'45-SM'50), Physicist, Atomic Energy Commission, Germantown, Md.

 HARRISON, JAMES C. (A'55), Electronics Engrg. Officer, USAF, 134 Carey Ave., San Antonio 9, Tex.

 HARRISON, JAMES F. (S'55-M'56), Electronics Engr. Ryan Electronics Div., San Diego, Calif.

 HARRISON, JAMES L. (M'58), Bear Creek Mining Co., 516 Acoma St., Denver 4, Colo.

 HARRISON, JAMISON R. (A'26-VA'39-M'55), Head of Physics Dept., Franklin Tech. Institute, Boston, Mass. HARRISON, JOHN F. (M'55), Sales Mgr., Genistron, Inc., 2301 Federal St., Los Angeles 64, Calif.

 HARRISON, JUNIUS H. (S'42-A'54-M'59), Electronics Engr., Smithsonian Institution, 10 & Independence Ave., Washington, D.C.

 HARRISON, KENNETH W. (SM'52), Mgr. & Chief Engr.,
- Washington, D.C.

 HARRISON, KENNETH W. (SM'52), Mgr. & Chief Engr., Transmission Div., Telephone Mfg. Co., Ltd., St. Mary Cray, Orpington, Kerk, England.

 HARRISON, MICHAEL A. (S'57-M'59), Crad. Asst., Case Computing Center, 1D900 Euclid Ave., Cleveland 6, Ohio. HARRISON, PAUL L. (S'53-M'56), 1st Lt., USAF, Walker AFB, Roswell, N.M.

 HARRISON, PAUL W. (SM'54), Chlef, Ground Electronics, The Martin Co., Orlando, Fla.

 HARRISON, R. KENNETH (A'51-M'56), Supvy. Electronics Scientist, U. S. Naval Air Development Center, Johnsville, Pa.

- HARRISON, RALPH J. (SM'57), Physicist, Materials Research Lab., Ordnance Materials Research Office, Watertown 72, Mass.

 HARRISON, RAYMOND E. (S'56-M'57), Design Engr., Famsworth Electronics Co., 3702 Pontiac, Ft. Wayne, Ind.
- HARRISON, RICHARD H. (A'54), Consulting Engr., Radio Free Europe, Raret Avenida, Padre Manuel De Nobrega-8B, Lisbon, Portugal.
- HARRISON, RICHARD I. (A'47-M'55), Advanced Research Engr., Sylvania Elec. Prods., Inc., Bayside, L.I., N.Y. HARRISON, SEYMOUR (M'57), Supvr., Special Systems, Levyt Mfg. Corp., 43-22 Queens St., Long Island City 1, N.Y.
- Lewyt Mfg. Coro., 43-22 Queens St., Long Island City 1, N.Y.

 HARRISON, SHRLEY W. (M'48-SM'55), Sr. Engr., Sylvania Eiec. Prods., Inc., Bayside, L.1., N.Y.

 HARRISON, STANLEY E. (S'57-M'59), 1102 Propps St., N. E., Albuquerque, N.M.

 HARRISON, WALTER (S'52-A'54), Mem. Tech. Staff Hughes Aircraft Co., Semiconductor Div., Box 278, Newport Beach, Calif.

 HARRISON, WILLIAM H. (A'52-M'57), Research Engr., Rartec Corp., Craftsman Rd., Calabasas, Calif.

 HARROLD, G., BURTON (A'55-M'58), Sr. Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 HARROLD, WILLIAM J. (M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 HARROLD, WILLIAM J. (M'57), Saff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.

 HARROUN, THOMAS V. (M'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.

 HARROW, ARTHUR E. (A'55), Asst. Plant Supvr., Canadian Natl. Telegraphs, 1089 W. Broadway, Vancouver 9, B. C., Canada.

 HARROY, GEORGE A. (M'55), Prof., Dept. of Physics, Queen's University, Kingston, Ont., Canada.

 HARRY, HOWARD E. (SM'53), Profect Engr., Convair, Pomona, Calif.

 HARRY, JOHN B. (S'53-A'54), Mgr., Quality Control Dept., Electro-Mechanical Research. Inc.: Fruit ville Rd.

- HARRY, JOHN B. (S'53-A'54), Mgr., Quality Control Dept., Electro-Mechanical Research, Inc., Fruitville Rd., Sarasota, Fla.
- HARRY, WILLIAM R. (S'36-A'38-VA'39), Tech. Advisor to Pres., Oyova Fiber Pipe Co., Pioneer Rd., Cedarburg, Wis.

- Wis.

 HARSH, M. DUFFIELD (S'50-A'52-M'56), Tube Dev.
 Engr., RCA, Lancaster, Pa.

 HARSHBARGER, JOHN H., JR. (S'53-M'58), Elec. Engr.,
 GE Co., Syracuse, N. Y.

 HART, A. CARTWRIGHT (M'56), Principal Engr., Bendix
 Aviation Corp., Towson 4, Md.

 HAR1, ALBERT S., JR. (S'51-A'52), Project Engr., AF
 Special Weapons Center, ARDC, Kirtland AFB, Albuquerque, N. M.

 HART, ALDEN L. (S'48-A'50-M'58), Tech. Lialson
 Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave.,
 Mountain View, Calif.

 HART, ARTHUR D. (M'52), Prof., Elec. Engru., Lawrence
- HART, ARTHUR D. (M'52), Prof., Elec. Engrg., Lawrence Institute of Technology, 21000 Ten Mile Rd., Oetroit 19,
- Mich.

 HART, BILLY G. (A'5B), Field Engr., Raytheon Mfg. Co.,
 Box 6011, Ft. Bliss, Tex.

 HART, BRUCE H. (A'50-SM'56), Electronics Engr., U. S.
 Army Electronic Proving Ground, Ft. Huachuca, Ariz.

 HART, BURT E. (S'57-M'58), Sr. Test Engr., Electronics
 Dept., Hamilton Standard, Broad Brook, Conn.

 HART, CARL O. (M'54), Ceputy Chief, Prod. Engrg. Div.,
 USAF, Tinker AFB, Oklahoma City 9, Okla.

 HART, CHARLES L. (A'56), Timing Technician, RCA,
 Patrick AFB, Fla.

- HART, CLINT E. (S'44-A'55), Research Engr., Aero Power Plant, Natl. Advisory Committee for Aeronautics, Cleveland 11, Ohio.
- 11, Unio.

 HART, DONALD E. (S'49-A'51-M'56), Research Staff, GMC, Detroit, Mich.

 HART, DONALD J. (SM'57), Chief Electronics Dev. for Medical Education, Smith Kline & French Labs., Inc., 153D Spring Garden St., Philadelphia 1, Pa.

- 153D Spring Garden St., Philadelphia 1, Pa.

 HART, DONALD M. (A'55), Staff Engr., IBM, KIngston, N.Y.

 HART, EDWARD D. (SM'59), Mgr., Avlatlon Engrg., Bendix Radio Div., Towson 4, Md.

 HART, EDWARD S. (SM'46), Radio Amateur, VEIES, 32

 York St., Sackville, N. B., Canada.

 HART, EUGENE T. (S'56-M'58), Jr. Engr., Hazeltine Corp., Electronics Div., Little Neck, L. I., N.Y.

 HART, FRED J. (A'53), Genl. Mgr., Morrow Radio Mfg. Co., Box 1627, Salem, Ore

 HART, FREDERICK W. (A'59), Micro-wave Test Technlcian, Raytheon Mfg. Co., Waltham 54, Mass.

 HART, GEORGE K., JR. (S'50-A'51-M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L. I., N.Y.

 HART, AGDORGE W. (M'59), Mgr., Mktg. Administration & Personnel Dev., GE Co., Utlca. N.Y.

 HART, HAROLD M. (SM'51), Dir., Advanced Dev., Raytheon Mfg. Co., Wayland, Mass.

 HART, HARRY C. (A'33-M'46), Patent Atty., Bell Tel. Labs., 463 West St., New York, N. Y.

 HART, JAMES E. (S'49-M'57), Dev. Engr., Amperex Electronic Co., 23D Duffy Ave., Hicksville, L. I., N.Y.

 HART, JAMES P. (S'53-A'55), Systems Mgr., Communications & Control Div., Franklin Electronics, Inc., 5901 Noble Ave., Van Nusy, Calif.

 HART, JAMES W. (S'50-A'52-M'56), Elec. Engr., GE Co., Syracuse, N. Y.

 HART, JOHN E. (M'56), Lt. Cmdr., Aeronauklcal Engr., Duty Officer, USN, Bureau of Aeronauklcal, Washington, D. C.

 HART, JOEPH W. (M'59), Asst. Research Engr., Burroughs Corp., Paoll, Pa.

- Duty Officer, USN, Bureau of Aeronaukics, Washington, D. C.

 HART, JOSEPH W. (M'59), Asst. Research Engr., Burroughs Coro., Paoli, Pa.

 HART, JOHN M. (S'50-A'51-M'56), Asst. Head, Engro. Services, Stromberg-Carlson-San Diego, 1895 Hancock St., San Diego 12, Calif.

 HART, MITCHELL T. (M'53), Engrg. Training Supvr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 HART, DIVER P., JR, (S'54-M'56), Elec. Engr., RCA, Harrison, N. J.

 HART, PAUL R. (S'53-A'54), Elec. Engr., Hughes Aircraft Co., Culver City, Calif.

 HART, PHILIP C. (A'56), Electronics Engr., RCA Service Co., Camden B, N. J.

 HART, RICHARD E. (S'55-A'56), Sr. Tech. Aide, Bell Tel. Labs., Whippany, N. J.

 HART, ROBERT N. (S'54-M'55), Component Application Engr., Collins Radio Co., Cedar Rapids, Iowa.

 HART, ROBERT N. (S'56-M'56), Research Engr., The Jersey Production Research Co., 1133 N. Lewis Ave., Tulsa 10, Dkla.

 HART, ROBERT N., III (S'55-M'56), Asst. Planning & Estimating Supt., Submarines, Charleston Naval Shipyard, Charleston, S.C.

 HART, HOMAS J. (M'56), Engrg. Administration, Glifilian Bros., Inc., 1815 Venice Bivd., Los Angeles 6, Calif.

 HART, WALTER G. (M'57), Engr., The Martin Co., Box

- fillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

 HART, WALTER G. (M'57), Engr., The Martin Co., Box 179, Denver, Colo.

 HART, WALTER H. (M'56), Engr., Edgerton, Germeshausen & Grier, Inc., 160 Brook line Ave., Boston 15, Mass.

 HART, WALTER M., IR. (S'53–A'54), Ist Lt., USAF, Electronics Officer, 50th Armament & Electronics Maint. Sqdn., APO 83, New York, N.Y.

 HART, WILLIAM E. (A'46-M'48), Field Engr., Westinghouse Elec. Corp., 4454 Genessee St., Buffalo 4, N.Y.

 HART, WILLIAM F. (A'57), V.P., Hart Co., Inc., 1920 15 Ave., N., St. Petersburg, Fla.

 HART, WILLIAM N. (A'59), Electronics Equipment Specialist, USAF, Dayton Air Force Depot, Dayton, Ohio.

 HART, WILLIAM N. (S'56-A'57), Lab. Technician, R. S. Ailen Business Machines, Inc., Grand Rapids, Mich.

 HART, WILLIAM N. (A'57), St. Pesips Engr., WYES-TV, 916 Navarre Ave., New Orleans 24, La.

 HARTEL, BRUCE (M'55), Sr. Design Engr., Electronics Design Group, Convair, Box 748, Ft. Worth, Tex.

 HARTEL, CHARLES F., JR. (M'56), Consultant, Research Management Associates, Box 148, Altadena, Calif.

 HARTEL, RALPH R. (M'52), Mgr., Magnetic Prods., Clevite Electronic Components, 3311 Perkins Ave., Cleveland, Ohio.

 HARTEL, REED (S'50-A'53-M'58). Communications

- land, Ohio.

 HARTELL, REED (S'50-A'53-M'58), Communications
 Engr., Arabian American OII Co., 505 Park Ave., New
 York 22, N.Y.

 HARTENSTINE, RICHARD M. (M'57), Sr. Electronics Engr.,
 Hallamore Electronics, 8352 Brookhurst, Anahelm, Calif.

 HARTER, J. R. R. (M'49), Electronics Engr., Bureau of
 Ships, Electronics Design Div., Code 832, Navy Oept.,
 Washington 25, D.C.

 HARTER, RICHARD H. (S'57-A'58), Electronics Design
 Engr., Natl. Cash Register Co., Main & K Sts., Dayton
 9, Ohio.

 HARTER, WILLIAM R. (M'55), Survy, Engr., Communica-

- 9, Ohio.

 HARTER, WILLIAM R. (M'55), Supvy. Engr., Communications Equipment Group, Crosley Div., AVCO Mfg. Corp., 1329 Arlington Ave., Cinclinnati, Ohio.

 HARTFORO, CHARLES J. (S'56-M'58), Electronics Scientist, Computer Lab., Air Force Cambridge Research Center, Bedford, Mass.
- ter, Bedford, Mass.

 HARTFORD, THOMMSW. (M'58), Elec. Engr., Chrysler Corp., Warren, Mich.

 HARTFORO, WILLIAM J. (M'59), Test Eguloment Engr., Samborn Co., 175 Wyman St., Waltham 54, Mass.

 HARTIG, DAVID E. (S'43-A'49-M'55), Sr. Engr., Librascope, Inc., 808 Western, Glendale, Calif.

 HARTIG, ELMER O. (S'47-A'51-SM'56), Asst. Mgr., Aerophysics Dept., Goodyear Aircraft Corp., Litchfield Park, Ariz.

 HARTIG, HENRY F. (A'3A-M'41-SM'43-E'52) Dept.
- Park, Ariz. HARTIG, HERRYE. (A'36-M'41-SM'43-F'52), Prof., Elec. Engrg., Univ. of Minnesota, Minneapolis 14, Minn. HARTIN, WILLIAM J. (A'51), Electronics Scientist, Naval Electronics Lab., San Diego 52, Callf.

- HARTKA, JOSEPH J. (S'55-M'57), Assoc. Engr., The Johns Hopkins Univ. Applied Physics Lab., B621 Georgia Ave., Silver Spring, Md.
- HARTKE, DAVID H. (S'54-M'56), Systems Engr., Con-solidated Systems Corp., 1500 S. Shamrock, Monrovla, Calif.

- Call:
 HARTKE, DEXTER C. (A'44-M'55), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 HARTLEY, HARRY F. (S'42-A'44-SM'49), Engrg. Sect.
 Mor., Westinghouse Elec. Corp., Baltimore 3, Md.
 HARTLEY, JOHN T., JR. (S'54-M'56), Dir., Mktg., Radiation, Inc., Box 37, Melbourne, Fla.
- tion, inc., Box 37, Melbourme, Fla.
 HARTLEY, JOSEPH H. (M'55), Elec. Engr., U. S. Signal
 Engre, Labs., Ft. Monmouth, N.J.
 HARTLEY, MAURICE S. (M'56-SM'56), Mgr., Prod.
 Engre., Polaroid Corp., 730 Main St., Cambridge 39,
 Mass.
- HARTLEY, RALPH V. L. (M'19-F'28)(L), Retired, 174 Summit Ave., Summit, N.J. HARTLEY, ROBERT L. (S'4B-A'52-M'57), Sect. Mgr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51,

- MOUTOTAL, MC., 4301 W. Augusta Blvd., Chicago 51, III.

 HARTLEY, ROBERT R. (M'55), Supvy. Engr., Union Switch & Signal Div. W. A. B. Co., Swissvale, Pa.

 HARTLEY, SAMUEL H. (A'42-M'46), Pres., Relays, Inc., 162 W. 83 St., New York 24, N.Y.

 HARTMAN, ALFRED (S'53-A'55), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HARTMAN, ALFRED E. (S'57-M'58), Prod. Engr., Western Electric Co., Millard, Neb.

 HARTMAN, ANTHONY G. (S'55-M'57), Lt. jg., USNR, Ship Supr., USN Mare Island Naval Shipyard, Vallejo, Calif. HARTMAN, CHARLES D. (A'29-VA'39), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 HARTMAN, CHARLES J. (A'57-M'58), TV Tech. Supvr., Teleprompter Coro., 411 W. 43 St., New York 36, N.Y.

 HARTMAN, DAG A. B. (M'54), Lecturer, Hogre Tekniska Larovarket, Orebro, Sweden.

- Larovarket, Orebro, Śweden,
 HARTMAN, DAVID K. (S'49-A'53-M'57), Consulting Engr.,
 GE Co., Syracuse, N. Y.
 HARTMAN, FRANK B. (S'50-A'53-M'54), Staff Engr.,
 IBM, Poughkeepsie, N.Y.
 HARTMAN, JOHN C. (S'56-M'57), Elec. Engr., Sperry
 Rand Univac, Univac Park, St. Paul 16, Minn.
 HARTMAN, KENNETH L. (S'55-M'58), Mathematician,
 Aerojet Geni. Corp., Sacramento, Calif.
 HARTMAN, LENNART A. (S'41-A'45-M'55), Engr., Airborne instrument Lab., Mineola, L.I., N.Y.
 HARTMAN, RAY E. (A'44), Consulting Engr., Rte. 2,

- borne Instrument Lab., Mineola, L.I., N.Y.

 HARTMAN, RAY E. (A'44), Consulting Engr., Rte. 2,
 Box 189A, Tiffin, Ohio.

 HARTMAN, RICHARD E. (A'5B), Lab. Analyst, Space
 Technology Labs., 5730 Arbor Vitae St., Los Angeles
 45, Calif.

 HARTMAN, RICHARD H. (S'57-M'5B), Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 HARTMAN, ROBERT B., II (S'4B-A'49-M'55), Sr. Research Engr., Remington Arms Co., inc., 25000 S. Western Ave., Park Forest, III.

 HARTMAN, ROBERT E. (M'59), Circuit Design Engr., National Co., Inc., 111 Washington St., Meirose, Mass.

 HARTMAN, ROBERT H. (S'55-M'56), Design Engr., Edgerton Germeshausen & Grier, 160 Brookline Ave., 8oston 15, Mass.
- Mass,
 HARTMAN, ROBERT K. (M'56), Pres., Robert K. Hartman
 Co., Inc., 30-30 Northern Blvd., Long Island City 1, N.Y.
 HARTMAN, W. HERBERT (J'42-A'43-M'55), Dir., Engrg.,
 KCRA, Inc., 310 10th St., Sucramento 14, Calif.
 HARTMANN, DON W. (5'53-M'55), Elec. Engr., Emerson
 Electric Mfg. Co., St. Louis, Mo.
 HARTMANN, EDWARD C. (S'57-M'59), 2901 Bayview Dr.,
 Manhattan Beach, Calif.

- HARTMANN, HANS (A'53), Inspection Supvr., Western Electric Co., 300 E. Allegheny Ave., Philadelphia 34,
- Pa.
 HARTMANN, JOHN C. (S'48-A'52-M'57), Consulting Engr., 184 Anderson Pkwy., Cedar Grove, N. J.
 HARTMANN, PHILIPP (S'56-A'58), Jr. Electronics Engr., Melpar, Inc., 3000 Arlington Blyd., Falls Church, Va.
 HARTMANN, ROLF G. (M'59), American Committee for Liberation, 1657 Broadway, New York, N. Y.
 HARTMANN, SIGMUND (M'59), Research Asst., Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.
- Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.

 HARTMANN, WILLIAM A., JR. (S'42-A'45-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 HARTMANN, ZOLTAN (M'53), Chief Engr., Belmont Electric Co., inc., 654 1st Ave., New York 16, N.Y.

 HARTMATNETT, EDWARD J. (A'49-M'55), Systems Engr., RCA, Moorestown, N.J.

 HARTNETT, GERALD C. (S'48-A'49-M'55), System Engr., GE O., Utica, N.Y.

 HARTNETT, JOSEPH D. (A'54), Project Supvr., Technitrol Engr., Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa. HARTNETT, PAUL E. (A'54), Field Engr., Group Leader, RCA Service Co., Inc., Camden B, N.J.

 HARTOG, ERNEST (S'54-M'57), Project Engr., Eclipse-Pioneer Div., Bendix Aviation, Teterboro, N.J.

 HARTONG, PAUL L. (S'43-A'45-3'46-A'50-M'54), Assoc. Prof., Southern Methodist Univ., School of Engrg., Dallas 5, Tex.

 HARTONG, GLENN S. (M'58), Electronics Engr., Collins Radio Co., Cedar Rapids, lowa.

 HARTONG, OLENN S. (M'58), Electronics Engr., Philips Control

- Radio Co., Cedar Rapids, Iowa.

 HARTONG, HOBART H. (A'41-M'58), Engr., Philips Control Corp., Joliet, III.

 HARTS, WILLIAM G. (S'54-M'56), 1st. Lt., U.S. Army Signal Corps, Research & Development, Home: 1375 E. 27 St., Tulsa, Okla.

 HARTSHORNE, FRANK A. (M'56), Reliability Analysis Engr., RCA, Camden 2, N. J.

 HARTSOCK, ROBERT D. (S'49-A'51-M'56), Engr., Collins Radio Co., Cedar Ragids, Jowa.

 HARTWELL, HENRY G. (A'36-M'45), Engrg. Sect. Head, Sylvania Elec. Prods., Inc., Woburn, Mass.

- ARK | WeLL, RALF L., JR. (A'56), Mfg. Planning Engr., GE Co., Pittsfield, Mass.

 HARTWELL, S. ALLEN (S'49-A'51-M'56), Electronics Science Sect., Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.

- 208 -
- HARTWIG, AR I HUR D. (S'56-M'57), Test Equipment Engr., IBM, Poughkeepsie, N.Y.
 HARTWIG, EDWARD C. (SM'59), Elec. Engr., Univ. of California Lawrence Radiation Lab., Berkeley, Calif.
 HARTWIG, WILLIAM H. (M'53-SM'55), Assoc. Prof. Elec. Engr., Research Engr., Univ. of Texas, Austin, Tex.
 HARTWIGSEN, CHARLES K. (A'46-M'54), Asst. Sales Mgr., Aviation Prods., Bendix Radio Div., E. Joppa Rd., Baltimore 4, Md.

- 4, Md. HARTY, LEO T. (A'57), Bench Technician, Radio-clok, 2119 Starling Ave., New York 62, N.Y. HARTZ, FRANK M. (A'41-M'55), Sr. Engr., Communication Systems, The Detroit Edison Co., 2000 2nd Ave., Detroit 26, Mich.
- Detroit 26, Mich.

 HARTZ, J., ERNEST (A'38-SM'47), Telephone Mngt, Specialist, U. S. Dept, of Agriculture, Rural Electrification Admin., Washington 25, D. C.

 HARTZ, WILLIAM W. (A'53), Pres., Mid-Eastern Electronics, Inc., 32 Commerce St., Springfield, N. J.

 HARTZELL, JACK W. (A'54-M'56), Consultant, Ebasco Services, Inc., 2 Rector St., New York 6, N. Y.

 HARTZELL, WARREN M. (M'57), Engr., Martin Co., Box 179, Denver 1, Colo.

- naki Lell, Warren M. (M'57), Engr., Martin Co., Box 179, Denver 1, Colo. HARTZOG, GRADY R., JR. (S'54-M'56), Mgr., Astrionics Mktg. Sect., Radiation, Inc., Drawer 37, Melbourne, Fla. HARUFF, JONN J., JR. (S'56-A'57), Electronics Tech-nician, USN, USS Stephen Potter (DD538), San Francisco, Calif.
- LAUIT.

 HARUYAMA, BERNARD K. (S'54-M'56), Jr. Engr., Litton Industries, Inc., 960 Industrial Way. San Carlos. Calif. HARVEY, ARTHUR J. (A'57), Tech. Educational Training Consultant, Capital Radio Engrg. Institute, Home: Box 144, Atlantic Beach, L.I., N.Y.

- HANVEY, ARTHUR J. (A' 57), lech. Educational Training Consultant, Capital Radio Engrg. Institute, Home: Box 144, Atlantic Beach, L.I., N.Y.
 HARVEY, CARL C. (M'53), Sr. Engr., Surface Communications Lab., RCA, 75 Varick St., New York 13, N.Y.
 HARVEY, DANIEL M. (A'49-M'55), Deputy Cmdr., Rome Air Development Center, Griffiss AFB, N.Y.
 HARVEY, DAVID T., JR. (S'57-M'59), Systems Engr., RCA Service Co., B3B N. Henry St., Alexandria, Va.
 HARVEY, DAVID T., JR. (S'57-M'59), Systems Engr., RCA Service Co., B3B N. Henry St., Alexandria, Va.
 HARVEY, FLOYD K. (A'49-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 HARVEY, GEORGE C. (A'55), Territory Supvr., Customer Engro., IBM, 3223 Wilshire, Santa Monica. Calif.
 HARVEY, GEORGE L. (A'44-SM'53), Sr. Engr., Sperry Piedmork Co., Rte. 29 & Hydraulic Dr., Charlottesville, Va. HARVEY, HENRY B. (S'50-A'51-M'56), Research Assoc., Ordnance Research Lab., Pennsylvania State Univ., State College, Pa.
 HARVEY, HERBERT F. (S'41-A'45-M'55), V.P., Harold C. Brown & Co., 1112 Libertv Bank Bldo.. Buffalo 2. N Y HARVEY, JACK B. (S'49-A'52-M'56-SM'57), Engr., ITT Labs., Nutley 10, N.J.
 HARVEY, JAMES A. (S'56-M'59), Jr. Engr., Philoc Corp., 3B75 Fabian Way, Palo Alto, Calif.
 HARVEY, JARKS B. (S'49-A'52-M'56-SM'57), Engr., USN, A.M.T.C., Point Mugu, Calif.
 HARVEY, JERROLD T. (M'58), Elec. Design Engr., Crosley Div., Avco Mfg. Co., Cinc Inmati, Ohi;
 HARVEY, JOHN R. (SM'58), Kiefe Engr., Modern Aoucistics, Ltd., Manor Way, Boreham Wood, Hert., England.
 HARVEY, NORMAN L. (A'44-M'46-SM'48-F'54), V. P.,

- ARVEY, NORMAN L. (A'41-M'46-SM'4B-F'54), V. P., Engr., CBS-Electronics, 100 Endicott St., Danvers, Mass. HARVEY, PATRICK O. (S'56-M'57), Evaluation Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis, Minn.
- MINIMEADULS, MININ.

 HARVEY, ROBERT L. (A'35-SM'47), Research Engr., RCA Labs., Princeton, N. J.

 HARVEY, ROLAND A. (M'54-SM'58), Supvr., Instrument Research & Dev., Hanford Atomic Prods. Operation, GE Co., Richland, Wash.
- MICHIAND, Wash.

 HARVEY, THEODORE (S'57-A'58), Electronics Technician, Tago Designs, 818 S. Main St., Salt Lake City, Utah.

 HARVEY, VERNON H. (A'5B), Regional Service Mgr.. Philips Industries, Ltd., 149 Portage Ave., Winnipeg, Man., Canada.
- USAF, BMEWS Project Office, 220 Church St., New York 13, N.Y.
- HARVEY, WILLIAM W. (A'56), Partner, Harvey, Ash & Co., 420 Lexington, New York 17, N.Y.
 HARWARD, JAMES E. (S'57-M'59), Elec. Engr., Universal Match Co., Ferguson 21, Mo.
- sal Match Co., Ferguson 21, Mo. HARWOOD, ALAN (M'56), Engr., Raytheon Mfg. Co., Bedford, Mass.
- HARWOOD, EDWARD (A'53), Engrg. Aide, MIT, Lincoln Lab., Lexington 73, Mass. HARWOOD, ERNEST L. (M'59), Radio Regulations Engr., Transport Dept., 9820 107 St., Edmonton, Aita., Canada.
- HARWOOD, FLOYD E. (S'48-A'50-M'55), Supvr., Material & Testing Lab., Parsons Corp., Woodmere Plant, Traverse City, Mich.
- HARWOOD, FREDERICK E. (S'5B-A'59), 1112 Prospect Ridge., Haddon Heights, N.J. HARWOOD, LEOPOLD A. (M'53), Elec. Engr., RCA, Camden, N.J.
- Camden, N.J.

 HASAN, SAJID (M'56), Deputy Main. Engr., Radio Pakistan,
 Bunder Rd., Karachi, Pakistan.

 HASBROCK, ARTHUR F. (A'42-SM'56), Research Supvr.,
 Petty Laboratories, Inc., 317 6 St., San Antonio, Tex.

 HASBROUCK, LEO J. (A'55), Assoc. Engr., IBM,
 Poughkeepsie, N.Y.
- HASBROUCK, LEO J. (A'55), Assoc. Engr., IBM, Poughkeesie, N.Y.

 HASCHE, JOHN C. (A'50), Elec. Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park, Santa Monica, Catif.

 HASDORFF, LAWRENCE (S'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 HASE, ALFRED M. (M'55), Research & Dev. Engr., Canadian Line Materials. Ltd., 3595 St. Clair Ave., E., Toronto 13, Ont., Canada.
- HASELHORST, DONALD D. (S'56-M'57), Elec. Engr., Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul W.4, Minn.

- HASELTON, E. FLETCHER (S'54-A'55), Engr. II, New England Telephone & Telegraph Co., 1228 Elm St., Manchester, N H
- chester, N.H.

 HASELTON, MERTON L. (M'45), Consulting Elec. Engr.,
 355 Grace Church St., Rye, N.Y.

 HASELWOOD, DONALD E. (S'58-M'59), Engrg. Dept.,
 Fla. Gru., US NASTA, Green Cove Springs, Fla.

 HASELWOOD, SCOTTY (S'55-M'57), Electronics Engr.,
 McDonnell Aircraft Corp., St. Louis 3, Mo.

 HASEN, JOHN E. (A'52-M'57), Dev. Engr., Dymec, Inc.,
 395 Page Mill Rd., Palo Alto, Calif.

- 395 Page Mill Rd., Palo Alto, Calif.

 HASENBECK, HAROLD W. (SM'55), Sr. Tech. Supvr.,
 Advanced Techniques, Convair, Pomona, Calif.

 HASENFUS, ROBERT G. (S'54-A'55), Engr., Marine Div.,
 Sperry Gyroscope Co., 5 Aerial Way, Syosset, L.I., N.Y.

 HASERT, CHARLES (S'57-M'59), Cant., USAF, Philico
 Corn., 3875 Fabian Way, Palo Alto, Calif.

 HASHIZUME, GEORGE K. (S'54-M'56), Elec. Engr.,
 Tektronix, Inc., Box B31, Porland 7, Ore.

 HASIN, HARRY (A'56), Test Engr., Hewlett-Packard Co.,
 275 Page Mill Rd., Palo Alto, Calif.

 HASIN, SIDDEY L. (A'53), Project Engr., Range-Wooldsidee.

- ASIN, SIDNEY L. (A.153), Project Engr., Ramo-Wooldridge Corp., Box 90534, Los Angeles 45, Calif.
 HASKELL, HUGH B. (S'54-M'57), Naval Aviator USN, AEWRON 14, NAS., Barbers Point, Hawaii.
 HASKELL, JOHN W. (S'49-A'52-M'57), Electronics Dev. Engr., Delco Appliance Div., GMC, 391 Lyell Ave., RASKIN, BURNEY, CASAN, CASAN, CASAN, ASKIN, BURNEY, CASAN, CASAN
- HASKIN, RICHARD H. (S'50-A'51-M'56), Electronics Engr., Ballistics Research Labs., WSL, Aberdeen Proving Ground, Md.
- HASKINS, DELBERT E. (S'49-A'50-M'55), Electronics Engr., Bell Aircraft Corn., Ft. Worth, Tex.
- Engr., Bell Aircraft Corn., Ft. Worth, Tex. HASKINS, RUPERT L. (A'44-SM'45), Electronics Engr., Naval Research Lab., Washington 25, D.C. HASLETT, JARED W. (S'53-M'57), Assoc. Physicist, Chicago Midway Labs., Univ. of Chicago, 6220 S. Drexel, Chicago 37, 111.
- HASLEY, ANDREW D. (SM'53), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. HASS, EUGENE G. (S'57-A'5B), Assoc. Engr., Minnea-polis-Honeywell Regulator Co., 2753 S. 4 St., Minnea-polis, Minn.
- HASS, ZYGMUNT K. (SM'56), Chief Engr., Mars Engrg, Ltd., 154 Victoria St., S., Kitchener, O Canada.
- Div., The Mullard Radio Valve Co., Ltd., New Rd., Mitcham Junction, Surrey, England.
- HASSAN, BAHIG (M'5B-A'57), Telegraph & Radio Engr., Signaling Dept., Way & Works Dept., Cairo Ave., Cairo, Egypt.
- HASSEL, ELMER W. (M'49), Mgr., Terminal Equipment Engrg., GE Co., Mountain View Rd., Lynchburg, Va. HASSEL, KARL E. (A'19-M'23-SM'43), Asst. V.P. Secy., Dir., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.

- Ave., Chicago 39, III.

 AASSEL, RONALD R. (S'56-M'57), Engr., Douglas
 Aircraft Co., Inc., El Segundo, Calif.

 HASSELL, BRUCE M. (S'56-M'58), Jr. Engr., Philco
 Corp., 3875 Fabian Way, Palo Alto, Calif.

 HASSELL, JERRY'E. (S'54-M'58), Evaluation Engr.,
 Minneapolis-Honeywell Regulator Co., 13350 U.S.
 Hwy. 19, St. Petersburg, Fla.

 HASSENCALL LLOYD. (S'53-M'57) Mea. To be
- HASSENCAHL, LLOYD J. (S'53-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. HASSENCHIAN, GERARD (S'50-A'57), Instr., Elec. Engr. Dept., Univ. of Washington, Seattle 5, Wash. HASSET, FRANK C. (S'51-A'54-M'58), Elec. Engr., RCA, Camden, N. J. (S'51-A'54-M'58), Elec. Engr., RCA, Camden, N. J.
- HASSLER, EDWIN B. (A'42-SM'43), Dir. Engrg., TV Div., Warwick Mfg. Corp., 7300 N. Lehigh Ave., Chicago 31, III.
- HASSLER, SYLVIA S. (S'53-A'54), Flight Instr., Univ. of Illinois, Savoy, III.
- Univ. or Illinois, Savoy, Ill.
 ASTERT, DONALD D. (S'56-M'58), Elec. Engr.,
 Haller, Raymond & Brown, State College, Pa.
 HASTIE, FRANK S. (A'56), Mrg., Special Prods. Dept.,
 Dominion Sound Equipments, Ltd., 45 Wingold Ave.,
 Toronto 10, Ont., Canada.
- HASTINGS, CHARLES E. (SM'46), Pres. & Chief Engr., Hastings-Raydist, Inc., Newcomb Ave., Hampton, Va. HASTINGS, CHARLES L. (A-41-M'4B-SM'56), Military Dev. Dept., Bell Tel. Labs., 204 Graham-Hopedale Rd., Burlington, N.C.
- Burlington, N.C.

 HASTING, DONALD F. (A'55), Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.

 HASTINGS, HARRIS F. (A'28-VA'39-SM'56), Electronic Scientist, Head, Frequency, Time Wave Generation & Analysis Sect., Naval Research Lab., Washinuton 25, D. C.

 HASTINGS, JOHN J. (M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HASTINGS, JOSEPH A. (A'51-M'58), Transistor Engr., Lansdale Tube Co., (Philoc Corn.), Lansdale, Pa.

 HASTINGS, LAURENCE E. (M'51-SM'54), Electronics Engr., FCC, 521 New Customhouse, Oenver 2, Colo.

 HASTINGS, LELAND S., JR. (A'57), Electronics Apprentice, Lederle Labs., Pearl River, N.Y.

 HASTINGS, MELVINS (A'47-M'53), Suny, Engr. West-

- HASTINGS, MELVIN S. (A'47-M'53), Supvy Engr., Wes inghouse Elec. Corp., Friendship Internat I. Airport, Balti-
- HASTINGS, RAYMOND (M'53), Transformer Engr., L tran, Inc., 11-11 131 St., College Point 56, L.I N.Y.
- M.Y.

 HASTINGS, T. MITCHELL, JR. (S'33-A'36-SM'45), Engro, Consultant, Mem. Bd. of Dirs., Genl. Communication Co., 677 Beacon St., Boston 15, Mass.; Pres., Concert Network, Inc., 171 Newbury St., Boston 16, Mass.; Mem. Bd. of Dirs., Jansky & Bailey, 1735 De Sales St., Washington, D. C.

 HASTON, CLAUDE W. (M'56), Chief Engr., WHUB, Inc., 807 Hickory St., Cookeville, Temn.

 HASTY, JACK D. E. (SM'57), Project Engr., Texas Instruments Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 HATA, JRCK H. (A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 HATA, JACK H. (A'55), Purchasing Engr., Okura & Co., New York, Inc., 30 Church St., New York 7, N.Y.

HAT-HAW - 209 -

- HATA, SHIRO (SM'57), Instr., Elec. Engrg., College of Engrg., Univ. of Osaka Prefecture, Sakai City, Oaska, Japan.
- Japan.

 HATCH, ALAN R. (M'58), Electronics Scientist, USN
 Electronics Lab., San Diego 52, Calif.

 HATCH, MARIAN M. (S'44-A'47-M'55), Asst. Engr.,
 System Development Corp., 2500 Colorado Ave., Santa
 Monica, Calif.
- HATCH, RICHARD M., JR. (M'50), Engrg. Specialist, Microwave & Antenna Dept., Sylvania Elec. Prods., Inc., Waltham, Mass.
- HATCH, RICHARD W. (S'50-A'53-M'57), Mem. Tech. Staff, Transmission Systems Dev., Bell Tel. Labs., Murray Hill, N.J.

- Murray Hill, N.J.

 HATCHER, AGRET H. (SM'56), Engr., Sperry Electronic Tube biv., Gainesville, Fla.

 HATCHER, EARL T. (M'57), Mgr., Data Translation Engrg., RCA Service Co., Patrick AFB, Fla.

 HATCHER, JOHN H. (M'56), Asst. Project Engr., Bendix Radio Div., E. Joppa Rd., Towson 4, Md.

 HATCHER, JOHN L. (S'57-A'58-M'59), Tech. Staff, Semiconductor Components Div., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 HATCHETT, CRESSWELL, (M'55-SN'58), Sr. Electronics Engr., Convair-Astronautics, 5001 Kearny Villa Rd., San Diego 12, Calif.

- RU., San Diego 12, Calif. HATCHETT, S. E. (SM 47), Unit Chief, Ryan Aeronautical Co., San Diego, Calif. HATCHL, SIDNEY (A'50-M'58), Sect. Leader, Consolidated Electrodynamics Co., 300 N. Sierra Madre Villa, Pasadena, Calif.
- HATCHWELL, JOSEPH A. (A'51-M'56), Mgr., Support Services, ITT Federal Div., 100 Kingstand Rd., Clifton, N.J.
- HATFIELD, FRED A. (A'55), Engr., Line Material Industries, McGraw-Edison Co., Pershing Rd., Zanesville,
- HATFIELD, GEORGE I. (A'46-M'55), Principal Engr., Bendix Radio Div., Baltimore 4, Md. HATFIELD, JAMES B. (A'40-M'45), Consulting Radio Engr., 906 36 Ave., Seattle 22, Wash.
- HATFIELD, JOSEPH P. (S'52-A'53-M'58), Engr., GE Co., Syracuse, N.Y.
- Co., Syracuse, N.Y.

 HATFIELD, LESTER N. (A'30-M'45-SM'47), Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

 HATFIELD, PHILIP E. (A'50-M'55), Engr., Tech. Data
 Sect., GE Co., 316 E. 9 St., Owensboro, K.Y.

 HATAWAY, BERNARD (M'56), Sr. Engr., Telemeter
 Magnetics, Inc., 2245 Portius Ave., Los Angeles 64, Calif.

 HATHAWAY, DONALD L. (M'42-SM'43), Owner, Mgr.,
 KSPR, & KSPR-TV, Box 930, Casper, Wyo.

 HATHAWAY, ERLE C. (A'53-M'57), Toll Service TransMission Engr., The Pacific Telephone & Telegraph Co.,
 140 New Montgomery St., San Francisco 5, Calif.

 HATHAWAY, ELECTONICS, Inc., 238 Main St., Cambridge 42,
 Mass.

- Hatnaway Electronics, Inc., 238 Main St., Cambridge 42, Mass.

 HATHAWAY, JAMES C. (A'50-M'55-SM'59), Staff Engr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif. HATHAWAY, JAMES W. (A'56), Tech. Asst., Bell Tel. Labs., Murray Hill, N.J.
 HATHAWAY, JARRETT L. (SM'47), Staff Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.
 HATHAWAY, SAMUEL D. (A'47-M'55), Engr., Bell Tel. Labs., 463 West St., New York, N.Y.
 HATHAWAY, SAMUEL W. (M'45-SM'56), Sect. Mgr., Raytheon Mfg. Co., Wayland, Mass.
 HATHAWAY, SAMUEL W. (M'45-SM'56), Sect. Mgr., Raytheon Mfg. Co., Wayland, Mass.
 HATCHOCK, JAMES S., JR. (S'56-M'59), Nevel's Trailer Park, R.D. 2, Kirkville, N.Y.
 HATHHORN, WENDELL R. (S'50-A'51-M'58), V.P., Comminications Engrg. Co., 3834 Main, Kansas City, Mo.
 HATKE, FRED L. (S'49-A'52), Mem. Tech. Staff, RCA Labs., Princeton, N.J.

 HAKIN, LEONARD (A'51-M'56), Tech. Consultant,

- Labs., Princeton, N.J.

 HATKIN, LEONARD (A'51-M'56), Tech. Consultant,
 Evans Signal Lab., Belmar, N.J.

 HATMAKER, DOUGLAS 8. (M'58), Sr. Aircraft Research
 Engr., Lockheed Aircraft Corp., 86 S. Cobb Dr., Marietta,
 Ga.
- HATTERSLEY, THOMAS E., JR. (M'56-SM'58), Project Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 HATTERY, WALTER V. (S'50-A'52-M'56), Project Engr., Microwave Associates, Inc., Middlesex Toke., Burlington, Mass.

- MASS.
 HATTON, ARTHUR T. (A'53), Owner, Arthur T. Hatton & Co., 1000 Farmington Ave., West Hartford 7, Conn.
 HATTON, GEORGE H. T. (A'54), Lecturer (Engrg. Dept.)
 Perth Technical College, Perth, West Australia.
 HATTON, RONALD W. (S'57-M'58), Asst. Dev. Engr.,
 Burrough's Corp., Paoli, Pa.
- Burroughs Corp., Paoli, Pa.

 HATTON, W. LEWIS (S'49-A'51-M'57), Defence Scientific Service Officer, Defence Research Telecommunications Est., Defence Research 8d., Shirley Bay, Ottawa, Ont., Canada.
- Detence Research 80., Shirley Bay, Urtawa, Urt., Canada. HATTON, WILLIAM L. (5'45-A'52-M'56), Sr. Engr., Raytheon Mfg. Co., Waltham. Mass. HATZIDAKIS, KYRIACOR. (5'52-A'53-M'58), Trans-mission Engr., Dell Tel. Co. of Canada, Ltd., 1060 Uni-versity St., Montreal, P. Q., Canada.
- HATZIKYRIAKOS, PANAGIOTIS P. (M'56), Engr., RCA,
- HATZIKYRIAKOS, PANAGIOTIS F. Vm 307, mass., Lancaster, Pa. HAUBE, JAMES C. (A'57), Electronics Engr., Allegheny Ludlum Steel Corp., Brackenridge, Pa. HAUBER, EDWIN N. (A'38-M'44), Engr., 1208 28 St., W.
- HAUBRICHS, FRANK P. (SM'59), Sr. Engr., Pacific Telephone & Telegraph Co., 740 S. Olive St., Los Angeles, Calif.
- Calii,
 HAUBROCK, FRANK W. (S'40-A'41-M'48), 3870 Carmel
 Way, San Leandro, Calif.
 HAUCK, HAROLD S. (M'56), Physicist, The Polymer Corp.,
 2120 Fairmont Ave., Reading, Pa.
 HAUCK, HUGH G. (M'58), Sales Engr., Sperry Gyroscope
 Co. of Canada, Ltd., Cote de Liesse 6011, Montreal,
 P. Q., Canada.
- P.Q., Canada.

 HAUCK, ROBERT A. (A'59), Technician, Federal Electric
 Corp., Industrial Park, Paramus, N.J.

- HAUCK, VERNON D. (A'26-M'41-SM'43), Geni. Mgr., Friez Instrument Dlv., Bendix Avlation Corp., 1400 Tay-lor Ave., Baltimore 4, Md. HAUER, CHARLES A. (M'57), Project Engr., Philico Corp., 4700 Wissahickon, Philadelphia 44, Pa.
- 4700 Wissahickon, Philadelphia 44, Pa.
 HAUER, WALTER 8. (M'58), Advanced Research Engr.,
 Sylvania Elec. Prods., Inc., Minedia, L. I., N. Y.
 HAUERSTOCK, CONRAD (S'57-M'59), Design Engr.,
 Loral Electronics Co., 825 Bronx River Rd., Bronx 72,
 N. Y.
- N.Y.

 HAUERWAAS, ROBERT V. (S'54-M'56), Dev. Engr.,
 Aerojet Genl. Corp., 6352 N. Irwindale, Azusa, Calif.
 HAUF, JOSEPH C., 111 (A'55), Planning Engr., Western
 Electric Co., Broening Hwy., Baltimore 24, Md.
 HAUFFE, GERALD S. (S'55-M'57), Missiles Equipment
 Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd.,
 Santa Monica, Calif.
 HAUCE HANS P. (MISS)
- Sama monica, call.

 HAUGE, HANS R. (M'58), Supvr., Tech. Publications & Publicity, GE Co., LMED, Utica, N. V.

 HAUGE, KNUT (A'54), Project Engr., GE Co., Clyde,
- N.Y.

 HAUGE, PAUL S. (S'58-M'59), Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 HAUGEN, ELWOOD L. (S'56-M'57), Missile Test Engr.,
 Boeing Aircraft Co., Box 107, Seattle 14, Wash.

 HAUGEN, MERLIN G. (M'56), Elec. Engr., The Burdick
 Corp., Milton, Wis.

 HAUGHAWOUT, JOHN H. (M'59), Sect. Head, Hughes
 Aircraft Co., Fullerton, Calif.

 HAUGHEY, JOSEPH W. (A'54), Sr. Engr., Martin Co.,
 Orlando, Fla.

- HAUGHEY, JOSEPH W. (A'54), Sr. Engr., Martin Co., Orlando, Fla.

 HAUGHT, DAVID E. (S'57-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 HAUGHTON, WILLIAM B., II, (A'58), Jr., Engr., Electronic Communications, Inc., Maritime Base, St., Petersburg, Fla. HAUGK, EORGE (S'51-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 HAUKE, FRANCIS E. (S'57-M'59), Western Electric Engr., c/o Post Ord., Officer, Ft., Tilden 95, N. Y.

 HAULDOSKY, WALTER B. (A'55), 576th Strategic Miss. Sudn., Vandenberg AFB, Calif.

 HAULMAN, C. AUSTIN (SM 155), Electronics Consultant, USN, Mine Defense Lab., Panama City, Fla.

 HAUN, ROBERT D., JR. (S'56-M'57), Research Physicist, Research Labs., Westinghouse Elec. Comp., Churchill Borough, Pittsburgh 35, Pa.

 HAUPT, GEORGE H. (A'37-VA'39-SM'53), Sect. Head, Sr. Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 HAUPT LI, JAMES T. (A'53), District Mgr., Business Week

- Goodman St., Rochester 9, N.Y.

 HAUPTLI, JAMES T. (A'53), District Mgr., Business Week
 Magazine, McGraw-Hill Publishing Co., 6 Penn Center,
 Philadelphia 3, Pa.

 HAUPTMAN, GUNTER (S'54-M'56), Patent Atty., IBM,
 425 13 Si., N.W., Washington 4, D.C.

 HAUPTSCHEIN, ARTHUR (S'41-A'44-M'52-SM'57), Research Scientist, New York Univ., University Hgts., Bronx
 53, N.Y.

- search Scientist, New York Univ., University Hyts., Bronx 53, N. Y.

 AURY, FREDERICK, W., JR. (M'58), Asst. Manpower Coordinator, FAA, Box 1689, Ft. Worth 1, Tex.

 HAUS, HERNANNA, (S'50-A'55-SM'58), Assoc. Prof., MIT, Cambridge 39, Mass.

 HAUS, ROY (A'41), Elec. Engr., Dept. of Public Works, City Hall, San Francisco 9, Calif.

 HAUSCHILD, RICHARD L. (S'56-M'57), Jr. Engr., Shell Pipe Line Corn., Box 2648, Houston, Tex.

 HAUSELMAN, KENNETH R. (S'58-M'59), Electronics Engr., Naval Missile Test Center, Point Mugu, Calif.

 HAUSEN, DIETRICH K. (M'56), Pres., Audiotronics Co., 5342 Mad River Rd., Dayton 59, Ohio.

 HAUSENBAUER, CHARLES R. (A'9-M'55), Prof., Elec. Engr., Univ. of Arizona, Tucson, Ariz.

 HAUSEN, ARTHUR A., JR. (M'48), Asst. to V.P., for Research & Dev., Sperry Gyroscope Co., Great Neck, L.1.

 N.Y.

 HAUSER, EUGENE 8. (M'57), Owner Finnes P. January

- HAUSER, ARTHUR A., JR. (M'48), Asst. to V.P., for Research & Dev., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HAUSER, EUGENE B. (M'57), Owner, Eugene B. Hauser, 1620 Park Ave., Hoboken, N.J.

 HAUSER, GERHARD G. (A'54), Project Engr., RCA, Rte. 202, Somerville, N.J.

 HAUSER, JACK R. (A'54), Sales Promotion Mgr., Ampex Corp., 934 Charker St., Redwood City, Callf.

 HAUSER, JACK R. (A'54), Sr., Design Engr., Convair-Astronautics, San Diego 12, Callf.

 HAUSER, JOHN H. (M'55), Sr., Design Engr., Convair-Astronautics, San Diego 12, Callf.

 HAUSER, PAUL D. (S'34-A'38-M'48-SM'56), Supvry. Electronics Engr., Wright-Patterson AFB, Ohio.

 HAUSER, WILLARD H. (A'42-M'48), Chief Engr., MSZ-AM-M-TV, 1170 Soldiers Field Rd., Boston 34, Mass.

 HAUSHALTER, CARL H. (S'46-A'48-M'55-SM'47), Systems Engr., GE Co., LMED, Utica, N.Y.

 HAUSER, WALTER B. (S'41-A'41-M'55), Project Engr., Eastman Kodak Co., Rochester 4, N.Y.

 HAUSHAN, ARTHUR H. (S'44-A'49-M'55), Electronics Engr., Dept. of Defense, Washington 25, D. C.

 HAUSMAN, DONALD I. (A'54), Electronics Engr., Airesearch Mfg. Co. of Arizona, 402 S. 36 St., Phoenix, Ariz.

 HAUSMANN, LER ROY W. (S'56-A'59), 1st. Lt., USAF, 544th Recon. Tech., Group, Offutt AFB., Nebr.

 HAUSMANN, HENRY C. (S'M'58), Chief Engr., Arcs Industries, Inc., 1239 Sunrise Hwy., West Islip, L.I., N.Y.

 HAUSTEN, DAVID R. (A'54)-H.S.), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HAUSTEN, DAVID R. (A'54-M'56), Field Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

 HAUSZ, WALTER (A'44-SM'46-F'54), Tech. Military Planning Operation, GE Co., 735 State St., Sarka Barbara, Callf.

 HAUTANIEMI SRUNOW. (S'49-A'51-M'56), Engr., GE Advanced Electronics Center, Comell Univ. Alroort, Ithaca, Advanced Electronics C

- HAUTANIEMI , BRUNO W. (S¹49-A¹51-M¹56), Engr., GE Advanced Electronics Center, Cornell Univ. Airport, Ithaca, N.Y.
- HAUTZIK, ROBERT M. (S'48-A'50-M'55-SM'58), Chief Engr., Airtron, Inc., 5873 Rodeo Rd., Los Angeles 16, Calif.
- Calif.

 HAVARD, WILLIAM L. (A'46), Pres., Havard Lumber Co.,
 Inc., Box 208, Friendswood, Tex.

 HAVEL, JEROME M. (A'44-M'52), Elec. Engr., Signal
 Corps Engrg. Labs., Ft. Monmouth, N.J.

 HAVEL, JOSEPH F. (S'55-A'56), Engrg. Alde, Hazelline
 Electronics Corp., 59-25 Little Neck Pkwy., Little Neck,
 L.I.N.Y.

HAVEMEYER, FREDERIC H. (S'56-A'59), Tech. Alde, Beli Tel. Labs., 463 West St., New York 14, N.Y.
HAVENS, ABRAHAM C. B. (A'50), Engr., WDEV, 9 Stowe St., Waterbury, Vt.
HAVENS, BYRON L. (SM'46), Sr. Engr., Watson Scientific Computing Lab., 18M, 612 W. 115 St., New York 25, N.Y.

- N.T. HAVENS, JACK D. (S'48-A'49-M'58), Design Engr., Boeing Airplane Co., 7755 E. Marginal Way, Seattle 33,

- Wash.
 HAVENS, JAMES D. (M'55), Sr. Engr., Sylvania Elec.
 Prods., Inc., Burlington, Iowa.
 HAVERCAMP, RICHARD P. (S'54-M'56), Engr., Collins
 Radio Co., Cedar Rapids, Iowa.
 HAVERKOS, NORMAN P. (S'57-M'58), Elec. Engr.,
 Crosley Div., Avco Mfg. Corp., 1329 Arlington, Cincinnal 25, Ohio.
- HAVERSTOCK, JOHN W., JR. (S'55-M'58), 2nd Lt. USAF, Elec. Engr., Field Research & Dev., USAF Se-curity Service, 6986 Radio Sqdn., APO 70, San Fran-
- cisco, Callí.

 HAVILLAND, RAYMOND T. (M'55-SM'57), Sr. Components Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HAVILL, CLEMOR N. (M'57), Genl. Sales Mgr., Potter & Brumfield, Inc., Princeton, Ind.

 HAVILLE, DOUGLAS (M'56), Sr. Research Engr., Western Design, Santa Barbara, Callí.

 HAVINCA, JAN C. (S'53-A'55), Sr. Project Mem., Missile Electronics & Controls Dept., RCA, Rte. 62, Burlington, Mass.

- HAVRANEK, WILLIAM A. (M'57), Sr. Nucleonic Applica-tions Engr., Labgear, Ltd., Willow PI., Cambridge, Eng-land.
- HAVRANEK, WILLIAM C. R. (M'57), Sr. Electronics Engr.-in-Chge., Pye, Ltd., Radio Works, Research Dept., Cam-bridge, England.
- Dridge, England.

 HAVSTAD, HARALD (A'39-VA'39-SM'57), Exec. Engr.,
 ITT Labs., Nutley 10, N. J.
 HAWES, ARNOLD R. (SM'56), Mgr., Field Service, D.
 S. Kennedy & Co., 155 King St., Cohasset, Mass.
 HAWES, JAMES G. (A'47-M'55), Elec. Engr., Consulting,
 Hawes Electric Co., 333 Washington Ave., Huntington 1,
 W. Va.
 HAWES MADY V. (ALEC).
- HAWES, MARY K. (M¹59), Sr. Prod. Planning Analyst, Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.
- Calif.

 HAWES, ROLAND C. (A'53), V.P., Dev. & Research Applied Physics Com., 2724 S. Peck Rd., Monrovia, Calif.

 HAWES, RUSSELL B. (SM'58), Engra. Sect. Head, Sanders Associates, Inc., Nashua, N.H.

 HAWK, WALTER H. (A'48-M'55), V.P., ITT Federal

 Div., 100 Kingsland Rd., Cliffon, N.J.

 HAWKES, ROBERT C. (A'58), Telcommunications Tech.

 Officer, Ministry of Civil Aviation, London Airport, Hounslow, Middle, England.

- slow, Middle, Lengland.

 HAWKES, THADDEUS A. (A'59), Engrg. Sect. Head,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HAWKINS, BRENDAN C. (A'50-M'55), Electronics instr.,
 De Vry Tech. Institute, 4141 W. Belmont Ave., Chicago,

- De Vry Tech. Institute, 4141 W. Belmont Ave., Chicago, 111.

 HAWKINS, DARYL W. (M'47-SM'52), Prod. Engr., GE Co., Schenectady, N. V.
 HAWKINS, DAVID L. (S'56-M'57), Electronics Engr., Emerson Electric Mfg. Co., St. Louis 21, Mo.
 HAWKINS, DONALD W. (A'46-M'57), Sr. Tech. Instr., Electronics Dept., Univ. of Houston, Houston 4, Tex.
 HAWKINS, EDWIN R., JR. (S'50-A'52-M'57), Owner, BIII's Radio & Television, 686 Monterey Blvd., San Francisco, Calif.
 HAWKINS, EUGENE S. (M'55), Electronics Design Sect. Head, Famsworth Electronics Corp., Ft. Wayne, Ind.
 HAWKINS, FREDERICK T. (S'58-M'59), Tester, Electronic "B", Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 HAWKINS, GEORGE V. (A'53-M'58), Sr. Engr., Area Mgr., Integrated Data Processing, IBM Prod. Development Lab., 112 E. Post Rd., White Plains, N.Y.
 HAWKINS, HAROLD D. (S'55-M'57), Electronics Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 HAWKINS, JAMES E. (A'44-SM'54), V.P. & Dir. of Research, Seismograph Service Corp., Box 1590, Tulsa 1, Okia.

- HAWKINS, JOSEPH K. (M'57), Sr. Project Engr., Aero-nutronic Systems, Inc., 2701 Halladay St., Santa Ana, Calif.
- HAWKINS, PATRICK J. (S'57-M'58), Dev. Engr., Canadian Arsenals, Ltd., Warden Ave., Toronto, Ont., Canada. HAWKINS, RALPH S. (A'52-M'57), Sect. Head, Communications, National Co., Inc., 61 Sherman St., Malden 48, Mass.
- 48, Mass.

 HAWKINS, ROSS (A'53), Component Analyst, Paramount Designs, Inc., 408 Jay St., Brooklyn 1, N.Y.

 HAWKINS, SAMUEL R. (M'58), Scientist, Lockheed Missiles Systems Div., Palo Alto, Calif.

 HAWKINS, WALTER G. (M'45-SM'55), Staff Engr., Bendix Systems Div., Ann Arbor, Mich.

 HAWKINS, WILLIAM J. (M'59), Supvr., Automatic Test Systems, Nortrontos Systems Support, 500 E. Orangethorpe, Anahelm, Calif.
- unorpe, Anahelm, Calli.

 HAWKINS, WILLIAM K. (A'57), Electronics Supvr., Go
 Oil Well Service, Everman Rd. & U.S. & I. Ft. Worth, Tex.

 HAWKINS, WILLIAM R. (A'56), Design Engr., Newcomb
 Electronics Corp., 6824 Lexington Ave., Hollywood 24,
 Calif.

- Calif.

 HAWKS, JOHN D. (S'54-M'55), Application Engr., GE
 Co. Hendersonville, N.C.

 HAWLEY, ALFRED E. (M'58), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

 HAWLEY, CHARLES L., JR. (M'56), Elec. Engr., Control
 Data Corp., 501 Park Ave., Minneapolis 15, Minn.

 HAWLEY, DANIEL E. (S'56-M'57), Project Engr., AC
 Spark Plug Div., 431 W. Florida St., Milwakke 4, Wis.

 HAWLEY, DONALD T. (S'44-A'46-M'52), Asst. Dir.,
 USN Underwater Sound Reference Lab., Box 8337, Orlando,
 Fla.
- HAWLEY, FRANK S. (A'46), Owner Toledo Radio Special-ties, 1215 Jackson St., Toledo 2, Ohio. HAWLEY, GARTH H. (M'56), 910 Brooklawn, 8Irmingham, Mich.

- HAWLEY, GARY K. (S'56-M'58), Electronics Test Engr., Hughes Aircraft Co., 554D W. Century Blvd., Los Angeles, Calif.
- HAWLEY, KARL T. (M'56), Special Services Engr., Sas-katchewan Govt. Telephones, 235D Albert St., Regina,
- nawley, Karl T. (M'56), Special Services Engr., Saskatchewan Govt. Telephones, 235D Albert St., Regina,
 Sask., Canada.
 HAWLEY, MONES E. (SM'55), Mgr., Operational Planning,
 Missile & Surface Radar Div., RCA, Moorestown, N.J.
 HAWLEY, ROBERT C. (M'57), Liaison Engr., Collins Radio
 Co., 1930 HiLine Dr., Dallas 7, Tex.
 HAWN, ALFRED V. (M'59), Supvr., Timing & Communication Group, Land Air, Inc., Box 394, Holloman AFB, N.M.
 HAWN, LEONARD R., JR. (M'54), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont St., Anaheém, Calif.
 HAWORTH, IRVIN F. (A'57), Sales Engr., Prod. Mgr.,
 Philips Electronic Houstries, Ltd., 88 25 Decarie Blvd.,
 Montreal, P. Q., Canada.
 HAWORTH, LAWRENCE D. (M'57), Component Evaluation
 Engr., Raytheon Mfg. Co., Hartwell Rd., Bedford, Mass.
 HAWDRTH, ROBERT F. (A'55-M'59), Elec. Engr., RCA,
 Camden, N.J.
 HAWTHORNE, DONALD (A'57), Sales Engr., Floyd Fausett
 Co., 777 Pinehust Ter., S.W., Atlanta 10, Ga.
 HAWTHORNE, DONALD (A'57), Sales Engr., Electronics &
 Electromechanics Dept., Avoc Research & Develoment Div.,
 201 Lowell St., Wilmington, Mass.
 HAWTHORNE, GEORGE B., JR. (S'46-A'51-M'56), Asst.
 Prof., Georgia Institute of Technology, Atlanta 13, Ga.
 HAWTHORNE, MILLO M. (M'55), Owner, REMCO, 3138
 S. Pecan, Ft. Worth 10, Tex.
 HAX, DAVID H. (A'50-SM'55), Engr., Bendix Aviation
 Corp., 95 & Troost Ave., Kanasas City, Mo.
 HAXBY, BERNARD V. (S'48-A'53-M'58), Asst. Prof. Elec.
 Engrg., Luniv. of Minnesota, Minneaoolis 14; Minn.
 HAXBY, ROBERT O. (SM'46), Physicist, Mitwester Universities Research Assn., 22D3 University Ave., Madison
 5, Wis.
 HAY, DONALD R. (S'45-A'52-SM'56), Mem., Dept. of
 Physics, Univ. of Western Ontario, London, Ord., Canada.

- Av., DONALD R. (S'45-A'52-SM'56), Mem., Dept. of Physics, Univ. of Western Ontario, London, Ont., Canada. HAY, EDSON (A'50), Sect. Head. Fundamental Radio & TV, DeVry Tech. Institute, 4141 W. Belmont, Chicago 41, III.

- Devry 1ech. Institute, 4141 W. Belmont, Chicago 41, III.

 HAY, GEORGE W. (S'48-A'50-M'54-SM'57), Project Design Engr., Convair, Box 748, Ft. Worth. Tex. HAY, JOHN D. (S'57-M'58), Asst. Engr., Canadian Pacific Railway Co., 1255 Phillips Sq., Montreal, P.Q., Canada. HAY, NICHOLAS (A'59), Electro-Mech. Technician, Tracerlab, Inc., 1601 Trapalo Rd., Waltham, Mass.

 HAY, ROBERT E. (A'56), Design Engr., Beech Aircraft Corp., 9707 E. Central, Wichita, Kans.

 HAYASHI, MITSURU (A'54), Group Engr., Boeing Airplane Co., Seattle, Wash.
 HAYASHI, KYOJI (A'54), Group Engr., Boeing Airplane Co., Seattle, Wash.
 HAYASHI, KYOJI (A'56), Asst. Chief of Frequency Sect., Radio Regulatory Bureau, Ministry of Post & Telecommunications, 6-Chome, Ikura Azabu, Minato-Ku, Tokyo, Japan.
 HAYASHI, TATSUO (M'57), Dir., Engro., Kansai Telecasting Corp., 20 Umega-cho, Kitaku, Osaka, Japan.
 HAYASHIDA, BENJAMIN N. (M'54), Qualification Test Engr., Hughes Aircraft Co., Culver City, Calif.
 HAYASI, SYUITI (A'56), Research Staff, Tokyo-Shibaura Electric Co., 72 Horikawacho, Kawasaki, Japan.
 HAYASI, SYUITI (A'56), Research Staff, Tokyo-Shibaura Electric Co., 72 Horikawacho, Kawasaki, Japan.

- Electric Co., 72 Horikawacho, Kawasaki, Japan.

 HAYATA, TOMO-AKI (M'57), Mathematician, Librascope, inc., 808 Western Ave., Glendale, Calif.

 HAYCOCK, OBED C. (A'4D-SM'47), Prof., Elec. Engrg., & Dir., Upper Air Research Labx., Univ. of Utah, Salt Lake City 1, Utah.

 HAYCRAFT, DAVEY L. (S'54-M'58), Field Supvr., GE Co., 3750 N. Meridian, Indianaoolis B, Ind.

 HAYCRAFT, DAVEY L. (A'44-M'55), Assoc. Prof., Univ. of Illinois, Elec. Engrg. Dpt., Urbana, Ill.

 HAYDEN, EDGAR C. (A'44-M'55), Assoc. Prof., Univ. of Illinois, Elec. Engrg. Dpt., Urbana, Ill.

 HAYDEN, HAMILTON P. (A'53-M'58), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 HAYDEN, HOWARD P. (M'56), Staff Patent Engr., I8M Military Prods. Div., Kingston, N.Y.

 HAYDEN, J. ROGER (A'39-M'55), Mgr., Industrial Sales, Dresser-DECO Co., 875 Michigan Ave., Columbus 8, Ohio.

- Ohio.

 HAYDEN, L. EUGENE (S'57-M'59), Asst. Engr., Westing-house Elec. Corp., Box 1897, Baltimore 3, Md.

 HAYDEN, LEONARD O. (S'48-A'50-M'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 HAYDEN, PHILIP C. (S'51-A'55), Engr., Essex St., Middleton, Mass.

 HAYDEN, ROBERT J. (A'55), Organ Technician, McCrey's Inc., 334 Pine Ave., Long Beach 12, Calif.; Instr., Long Beach City College, Long Beach, Calif.
- HAYDON, GEORGE W. (A'52-M'57), Electronics Scientist, Central Radio Propagation Labs., Natl., Sureau of Standards, Boulder 1, Colo.
- HAYDON, ROBERT E. (SM'56), Dir., Pershing Operations, Martin Co., Drawer M, Cocoa, Fla.
 HAYDU, GEORGE K. (A'51), Pres., Haydu Industries, Inc., 1426 W. Front St., Plaimfield, N.J.
- HAYES, ALBERT E., JR. (SM'57), Sr. Engr., Instrumentation Div., Ampex Corp., 934 Charter St., Redwood City, Calif.
- HAYES, BERNARD (S'47-A'49-M'55), Staff Mem., Univ. of California, Los Alamos Scientific Lab., Box 1663, (GMX-B), Los Alamos, N.M.
- HAYES, CHANNING W. (S'50-A'51-M'57), Sr. Project Engr., Bendix Aviation Corp., Hickory Grove Rd., Davenport, Iowa.

 HAYES, CHARLES R. (A'55), Warrant Difficer, USN, GMU-90, Navy 12B, FPO, San Francisco, Calif.
 HAYES, EDGAR G. (S'57-M'57), Jr. Engr., Bendix Radio Div., Towson 4, Md.
- Div., Towson 4, Md.

 HAYES, EDWARD A. (S'33-A'35-SM'46), Dir., Guided
 Missile Labs., Hughes Aircraft Co., Culver City, Calif.

 HAYES, FRANK A. (A'51), Consulting Engr., Middletown,
- N.J.

 HAYES, FRANK L. (S'49-A'51-M'56), Engr., GE Co.,
 316 E. 9 St., Owensboro, Ky.

 HAYES, H. D. (A'14-M'29-SM'43)(L), Engr.-in-Chg.,
 FCC, 826 U. S. Court House, Chicago 4, III.

 HAYES HENRY J., JR. (M'49), Electronics Engr., GE Co.,
 3198 Chestnut St., Philadelphia 4, Pa.

 HAYES, JAMES E. (M'56), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

- HAYES, JERDME A. (A'57), Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa. HAYES, JOHN C. (SM'57), Supvy. Electronics Scientist, USN, Electronic Lab., San Diego 52, Calif. HAYES, JDHN E. (A'39-VA'39-SM'53-F'54), Chief Engr., Canadian Broadcasting Corp., 5253 Decarie Blvd., Montreal, P.Q., Canada.
- HAYES, KENNETH V. (A'45), Mgr., Great Lakes District Radiomarine Sales, RCA, 3125 Detroit Ave., Cleveland 13,
- HAYES, LESLIE W. (F'38), Vice-Dir., Internati, Radio Consultative Committee (CCIR), Internati, Telecommunication Union, Palais Wilson, Geneva, Switzerland.
- HAYES, M. EDWON (SM'53), Mgr., Engrg., Westinghouse Elec. Corp., Carrier-Microwave Dept., Box 7425, Baltimore 27, Md.
- Baltimore 27, Md.
 HAYES, MARVIN E. (A'55), Instr., Physics Dept., Ball
 State Teachers College, Muncie, Ind.
 HAYES, MONSON H., JR. (S'48-A'50-M'55-SM'55), Tech.
 Dir., Palo Alto Research Lab., Link Aviation, Inc., 530
 University Ave., Palo Alto, Calif.
- HAYES, OSCAR E. (S'55-M'59), Electronics Engr., USAF, Wright Patterson AFB, Ohio.
 HAYES, ROBERT D. (M'56), Research Engr., Georgia Institute of Technology, Engrs. Experiment Sta.,
- HAYES, ROBERT R. (M'58), Group Engr., Convair, Ft. Worth, Tex.

- Worth, Tex.

 HAYES, ROBERT W. (M'52), Field Engr., Western Electric
 Co., Box 817, Twentynine Palms, Calif.

 HAYES, RUSSELL E. (M'58), Research Asst., Univ. of
 Kansas, Research Foundation, Lawrence, Kan.

 HAYES, THOMAS D. (M'59), Chief Engr., Cannon Electric,
 Ltd., 160 Bartley Dr., Toronto 16, Ont., Canada.

 HAYES, THOMAS J. (M'49), Weapon Systems Engr.,
 Strategic Missiles, RDZSGH, Hdrs. ARDC, USAF,
 Wright-Patterson AFB, Dhio.
- HAYES, WARREN B. (M'57), V.P., Operations, Pacific Semiconductors, Inc., 10451 W. Jefferson, Culver City, Calif.

- Calif.

 Calif.

 HAYES, WILLIAM A. (M'45), Sales Mgr., Westinghouse Elec. Corp., Bloomfield, N.J.

 HAYES, WILLIAM A. (A'53), Mgr., Mktg., Madigan Corp., 526 Mineola Ave., Carle Place, L.I., N.Y.

 HAYES, WILLIAM L. (M'57), Chief of Procurement Dept., Oerlikon Tool & Arms Corp. of America, Asheville, N.C.

 HAYES, WILLIAM M. (S'51-A'51-M'57), Engr., Joslyn Mig. & Supply Co., 969 W. 37 Pl., Chicago 9, III.

 HAYES, WILLIAM T. (S'51-A'56), Research Engr., No. Amer. Aviation, 21600 Van Owen St., Canoga Park, Calif.

 HAYFLICK, ROBERT M. (S'55-M'56), Mgr., Applications Engr. & Advanced Studies, Production Research Corp., Thornwood, N.Y.

- HAYCDD, WILLIAM D. (S'57-M'59), Jr. Engr., Radiation, Inc., Box 37, Melbourne, Fla.

 HAYLES, OLIVER J. (M'49), Mgr., Radio & TV Div.,
 Sylvania Elec. Prods., (Canada), Ltd., Box 680,
 Dunnville, Ont., Canada.
- HAYLDCK, FRANK B. (4'44-M'52), Consultant, 109
 Hickory Lane, San Mateo, Calif.
 HAYMAN, GERALD O. (M'5B), Sr. Electronics System
 Engr., System Development Corp., 2500 Colorado Ave.,
 Santa Monica, Calif.
- HAYMAN, ROBERT A. (S'54-A'55), Electronics Engr. Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N.Y.
- AYMAN, W. H. (S'37-A'42-M'55), Sr. Engr., Nortronics, 222 N. Prairie Ave., Hawthorne, Calif. HAYMAN, WILLIAM G. (A'24-M'55), Supt., Tech. Educa-tion, Govt. of Western Australia, Treasury Bldg., St. George's Ter., Perth, West Australia.

- George's Ter., Perth, West Australia.

 HAYMOND, HERMAN R. (M'57), Assoc. Prof., Radiology (Physics), School of Medicine, Univ. of Southern Califfornia, 1200 N. State St., Los Angeles 33, Calif.

 HAYNES, ANN P. (A'56), Dir., Haynes Associates, 1346
 Connecticut Ave., N.W., Washington 6, D.C.
 HAYNES, FRED B. (SM'53), Head, Dept. of Elec. Engrg.,
 Dir., Graduate Studies, College of Engrg., Drexel Institute of Technology, 22 & Chestrut St., Philadelphia, Pa.

 HAYNES, HAROLD E. (M'47-SM'56), Staff Engr., RCA
 Camden 1, N.J.

- Camden 1, N.J.

 HAYNES, HERBERT S. (A'44-M'55), Project Engr., ITT Labs., Engr., Nutley 10, N.J.

 HAYNES, JACK (M'55), Project Engr., Rheem Mfg. Co., 9236 E. Hall Rd., Downey, Calif.

 HAYNES, JOHN M. (A'53), Dev. Physicist, Nuclear Prods. Erco Div., ACF Industries, Riverdale, Md.

 HAYNES, JOHN S. (S'55-M'56), Design Engr., GE Co., Syracuse, N.Y.
- Syracuse, N.Y.

 HAYNES, MUNRO K. (S'50-A'51-M'58), Dev. Engr., I8M, Poughkeepsie, N.Y.

 HAYNES, N. M. (A'37-M'44), Engrg. V.P., Amplifier Corp. of America, 396 Broadway, New York 13, N.Y.

 HAYNIE, GERALD D. (S'55-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 HAYS, FREDERICK R. (A'55), Sr. Physicist, U. S. Radium Corp., Whippany, N.J.

 HAYS, JDE W. (A'55), Field Engr., GE Co., 20B 1st St., Liverpool, N.Y.

 HAYS, JOHN I. (A'56), Systems Engr., Reminoton Pand

- St., Liverpool, N.Y.

 HAYS, JOHN I. (A'56), Systems Engr., Reminoton Rand Univac, 452 Swann Ave., Alexandria, Va.

 HAYS, NORMAN P. (M'56), Col., Mor., Autonetics Div., No. Amer. Aviation, Cafritz Bldg., Washington, D.C.

 HAYT, WILLIAM H., JR. (M'50-SM'55), Prof., Elec. Engrq., Purdue Univ., Lafayette, Ind.

 HAYTER, DONALD M. (S'57-M'57), Nuclear Reactor Operations Supur., Atomic Energy of Canada, Ltd., Chalk River, Ont., Canada.

 HAYTER, WALTER R., JR. (A'54), Engr., Westinghouse Elec. Corp., Box 264, Elmira, N.Y.

 HAYTH, WILLIAM D. (A'54-M'59), Project Coordinator, Ryan Electronics Div., San Diego, Calif.

 HAYWARD, GEORGE H. (A'47), Comwell Beach Rd., Sands Point, Li., N.Y.

- Point, L.I., N.Y.
 HAYWARD, JOHN R. (A'42-M'45), Sales Mgr., Canadian Stackpole Co., Ltd., 550 Evans Ave., Toronto, Ont., Canada.
- HAYWARD, JOHN W. (S'36-A'38-VA'39-M'55), R.F.D. 2, Terwood Rd., Huntington Valley, Pa.

- HAYWARD, RDBERT M. (A'56), Chief Engr., WSFA Radio & TV, 10 E. Delano, Montgomery, Ala.

 HAYWARD, WALTER S., JR. (A'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 HAYWOOD, OLIVER G. (SM'54), V.P., F.C. Huyck & Sons, 200 E. 42 St., New York 17, N.Y.

 HAYWOOD, VERNON M. (A'49-M'52), Field Engr., Ramo-Wooldride Corp., Box 45444, Los Angeles 45, Calif.

 HAYWORTH, DONALD F. (SM'50), Instr., Graduate Engrg. Training, Western Electric Co., 401 N. Wabash Ave., Chicago I.I. III.
- HAYWORTH, ROBERT G. (A'57), Field Engr., Bendix Aviation Corp., Baltimore 9, Md. HAZAN, PAUL L. (M'59), Project Engr., Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.
- Co., Ltd., Longwood Rd., Hamilton, Ont., Canada. HAZARD, WILLIAM R. (S'50-A'52-M'57), Electronics Scientist, USN Underwater Sound Lab., Ft. Trumbull, New London, Conn. HAZEBROOK, HARRY (S'49-A'52-M'57), Project Engr., GE Co., Ithaca, N.Y.
 HAZEL, FRANCIS P., JR. (M'57), Mgr., Tech. Information Dept., The Mitre Corp., 244 Wood St., Lexington 73, Mass.
- HAZEL, HAROLD K. (M'57), Group Engr., Martin Co., Orlando, Fla. HAZEL, WILLIAM C. (S'57-M'59), Engrg. Officer, USN, USS King County (AG-157) CBC, Port Hueneme, Calif.

- USS KING County (AG-1977 (SIC., Port Hueneme, Calif. HAZEL, WOODROW M. (S'50-A'51-M'56), Project Engr., RCA Service Co., Patrick AFB, Fla.
 HAZELTINE, ALAN (A'16-M'18-F'21XL), Consultant, 15 Tower Dr., Maplewood, N.J.
 HAZELTINE, ALLEN V. (S'37-A'40-M'55), Mgr., Electronics Sect., Patent Dept., Philoc Corp., Tioga & C Sts., Philadelphia 34, Pa.
- Prinadelphia 34, Pa.

 HAZELTINE, BARRETT (S'54-M'57), Research Asst., Univ. of Michigan, Ann Arbor, Mich.

 HAZELWOOD, CHESTER A. (A'50-M'58), Maj., USAF, Communications-Electronics Staff Officer Research & Dev. Command, Andrews AFB, Washington 25, D.C.
- HAZEN, HAROLD L. (SM '48), Dean of the Graduate School, MIT, Cambridge 39, Mass.
 HAZEN, ECHARD R. (5'52-A'54), Chmn., Elec. Technology Deat., University of Dayton, 3DD College Park, Dayton 9, Ohio.

- 9, Ohio.

 HAZLETT, WENDELL T. (M'57), Liaison Engr., IBM, Military Prods, Div., Owego, N.Y.

 HAZLIP, GYENE M. (S'56-M'57), Design Engr., Goodyear Aircraft Co., 1210 Massillon Rd., Akron 15, Ohio.

 HAZONY, DOV (M'59), Research Engr., Electro Measurements, Inc., 7524 Macadam, Portland, Ore.

 HEACOCK, BURTIS E. (SM'56), Advanced Design Mgr., Stavid Engrg., Inc., Hwy. 22, Plainfield, N.J.

 HEACOCK, DAVID P. (SM'54), Administrative Engr., RCA, Camden, N.J.

 HEACOCK, RAYMOND L. (A'53), Engrg. Group Supvr., Jet Propulsion Lab., 48D0 Oak Grove Dr., Pasadena 3, Calif.
- Cair.

 HEACOCK, ROBERT J. (A'53), Instr. of Electronics, Radio Electronics Institute, 12 & Arch Sts., Philadelphia, Pa. HEACOCK, RONALD M. (S'56-M'57), Bizmac Engr., RCA Service Co., Camden 2, N.J.

 HEACOCK, WILLIAM J., JR. (S'47-A'50-M'55), Sr. Research Engr., Fairchild Camera, Instrument Corp., 5 Aerial Way, Syosset, L.I., N.Y.

- HEAD, CLAUDE D. III (S'54-M'57), Research Engr., Varo M/g. Co., Inc., 2201 Walnut, Garland, Tex. HEAD, GLENN M. (S'56-M'57), Assoc. Evaluation Engr., Minneapolis-Honeywell Regulator Co., St. Petersburg, Fla. HEAD, HOWARD T. (A'52-SM'53), Partner, A. D. Ring & Associates, 1032 Pennsylvania Bldg., Washington 4, D. C.

- D.C.

 HEAD, JOHN E. (A'37-VA'39), Asst. Engr., G.P.O. Engro. Dept., Radio Branch, 2-12 Gresham St., London E.C.2, England.

 HEAD, NELSON M., JR. (S'56-M'58), 711 W. Calaveras St., Altadena, Calif.

 HEAD, NELSON M., JR. (S'56-M'58), 711 W. Calaveras St., Altadena, Calif.

 HEAD, HARVEY V. (S'40-A'41-M'50), Chief Engr., KEYO & KEYO-TV, Family Broadcasting Corp., Foshay Tower, Minneapolis 3, Minn.
- HEADINGTON, NORMAN L. (S'51-A'53-M'5B), Sr. Systems Design Engr., Chance Vought Aircraft, 8ox 5907, Dailas, Tex.
- Tex.

 HEADLE, HERBERT W., JR. (M'57), Elec. Engr., Rome
 Air Development Center, Griffiss AFB, N.Y.

 HEADLEY, HOLLAND N. (S'55-M'58), Student Engr., InterState Communications, AT&T Co., 138 E. Court St., Cincinnati 2, Ohio.
- HEADRICK, JAMES M. (S'42-A'44-M'46), Research Engr., U.S. Naval Research Lab., Washington 25, D.C.

- D.C.

 HEADRICK, LEWIS 8. (A'36-M'3B-SM'43-F'53), Staff Engr., Industrial Tube Dev., Electron Tube Div., RCA, New Holland Pike, Lancaster, Pa.

 HEADRICK, LEWIS L. (S'51-A'53-M'58), Assoc. Engr., I8M, Poughkeepsie, N.Y.

 HEADRICK, WILLIAM C. (S'55-M'58), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 HEADSTROM, RAMON L. (M'55-SM'58), Electronics Engr., FAA, U.S. Govt., NAFEC, Atlantic City, N.J.

 HEAL, GORDON L. (A'55), Technician, Canadian Westinghouse Co., Ltd., Aberdeen Ave., Hamilton, Ont., Canada. HEAL, JAMES A. (A'52-M'57), Floht Lt. R.CAF Hore
- HEAL, JAMES A. (A'52-M'57), Flight Lt., RCAF Hors.
 Ottawa, Ont., Canada.
 HEALD, EARL T. (SM'57), Staff Engr., Collins Radio Co.,
 2700 W. Olive Ave., Burbank, Calif.
 HEALD, EARK A. (M'55), Asst., Prof., Dept. of Physics,
 Swarthmore College, Swarthmore, Pa.
 HEALED, MANK A. (M'55), Asst., Prof., Dept. of Physics,
 Swarthmore College, Swarthmore, Pa.

- Swartmore College, Swartmore, Pa.

 FEALEY, DANIEL J., III (J'41-4'43-S'44-A'49-M'53),
 Fellow Engr., Westinghouse Elec. Corp., Friendship
 Internati. Airport, Baltimore, Md.

 HEALEY, THOMAS J. (S'57-M'58), Electronics Technician,
 A.V. Roe, Ltd., Malton, Ont., Canada.
- HEALY, ABARTHOLOMEW H. (A'55), V.P., Technical Instruments, Inc., 90 Main St., Reading, Mass. HEALY, DANIEL W., JR. (M'47-SM'58), Chrm. Elec. Engrg. Dept., College of Engrg., Univ. of Rochester, Rochester 20, N.Y. HEALY, RICHARD G. (S'57-M*58), 306 Seeley Rd., Syracuse 3, N.Y.

- HEALY, TIMOTHY J. (S'55-M'57), Jr. Engr., Boeing Airplane Co., Seattle, Wash.

 HEARD, BURTON E. (A'40-M'55), Sr. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 HEARD, HARRY G. (S'47-A'50-M'56), Research Engr., Radiation Lab., Univ. of California, Berkeley 4, Calif.

 HEARN, DANIEL P. (S'50-A'50-M'56), Project Supvr., Well Surveys, Inc., 624 E. 4 St., Tulsa, Okla.

 HEARN, EDWIN F. (M'58), Project Methods (Factory), Engr., Sperry Electronic Tube Div., Gainesville, Fla.

 HEARN, KENNETH F., JR. (S'55-M'57), Engr., Raytheon Mrg. Co., Bedford, Mass.

 HEARN, ROMOND E. (SM'50), Cmdr., USN, Tech. Programs & Facilities Officer, U.S. Naval Missile Facility, Point Arquello, Lompoc, Calif.

 HEARN, RICHARD B. (SM'53), Tech. Staff, Bell Tel. Labs

- HEARN, RICHARD B. (SM*53), Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. HEARNE, JULIAN, JR. (S'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.
- HEARNE, STANLEY M. (M'55), Engr., Convair, 80x 748, Ft. Worth, Tex.
- Ft. Worth, Tex.
 HEARSON, LAWRENCE T. (A'55-SM'59), Sr. Engr., AT&T
 Co., 324 E. 11 St., Kansas City 6, Mo.
 HEARSUM, D. ROY (A'43-M'50), Engr., Natl. Cash
 Register Co., Dayton 9, Ohio.
 HEART, FRANK E. (M'54), Engr., MIT, Lincoln Lab.,
 Lexington 72, Mass.

- Lexington 73, Mass.
 HEARTZ, LESLIE C. (M'47), Col., USAF, Deputy for Communications & Electronics, Hors., Central Air Defense Force, Richard-Gebaur AFB, Grandview, Mo.
 HEARTZ, ROBERT A. (M'56), Systems Engr., GE Co.,

- Syracuse, N.Y.

 HEASLIP, DAVID E. (S'56-A'58), Engr.-in-Training,
 B.C. Power Commission, Nanaimo, R.C., Canada.

 HEASLY, CLYDE C., JR. (S'47-A'49-M'55), Dir., Planing, Intelligent Machines Research Corp., 7019 Edsall
 Rd., Alexandria, Va.

 HEASSLER, REID A. (S'54-M'56), Assoc. Engr., IBM,
 Kingston, N.Y.
- HEATH, EUGENE R. (M'57), 207 W. 15 St., Elmira Heights, N.Y.
- Heights, N.Y.
 HEATH, FRED J. (S'38-A'43-SM'45), Tech. Counsellor,
 Advance Engrg., Electronic Equipment & Tube Dept.,
 Canadian GE Co., Ltd., 830 Lansdowne Ave., Toronto 4,
- Canadian GE Co., Ltd., 830 Lansdowne Ave., Toronto 4, Ont., Canada. HEATH, GENGEF (S'47-A'49-M'53), Project Engr., Hycon Mig. Co., 321 S. Arroyo Pkwy., Pasadena, Calif. HEATH, HAROLD F., JR. (A'52-M'57), Dev. Engr., 18M, Poughkeepsie, N.Y. HEATH, HORATIO W. (A'53-M'58), Engr., Coast Electric & Mig. Co., 1733 N.E. 7, Portland, Ore. HEATH, J. WILLARD (A'45-M'55), Engr., Collins Radio Co., Cedar Rapids, Iowa. HEATH, ROBERT R. (S'55-A'55), Engr., Cellins Radio Kodak Co., Rochester 17, N.Y. HEATHCOT, JOE H. (S'57-A'58), Electronics Technician, FAA, 6301 34 Ave., S. Minneapolis, Minn. HEATHCOTE, BRUCE G. (S'58-A'58), Test Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y. HEATON, GEORGE C. (M'58), Research Engr., Acronwtronic

- N.Y.
 HEATON, GEORGE C. (M'58), Research Engr., Aeronutronic Systems, Inc., 2701 Halladay St., Santa Ana, Calif. HEATON, HENRY T. (A'48-M'55), Supvr., Coil Engrg., GE Co., Syracuse, N.Y.
- HEATON, LANCE B. (A'58), 200 S. John St., Angola,

- Ind.
 HEATON, MYLES W. (A'59), Engrg. Asst., Raytheon Mfg.
 Co., Maynard, Mass.
 HEATON, ROY G. (A'46-M'55), Sr. Electronics Engr., Lab.
 for Electronics, Inc., 75 Pitts St., 8oston, Mass.
 HEATON, VINCENT E. (A'27-SM'46), Physicist (Radio),
 Natl. Bureau of Standards, High Frequency Standards Div.,
 Boulder, Colo.
- Boulder, Colo.

 HEATON ARMSTRONG, LOUIS J. (A'28-M'40-SM'43), Sr.
 Radio Dev. Engr., Standard Telephones & Cables, Ltd.,
 Oakleigh Rd., New Southgate, London, N. 11, England.

 HEAVEN, WILLIAM H. (SM'59), Elec. Engr., Northem
 Electric Co., Ltd., 250 Sidney St., Belleville, Ont.,
 Canada.
- Canada.

 HEAVERLO, HARVEY D. (A'45), Elec. Test Engr., Norair Div., Northrop Airctaft, Inc., Hawthorne, Calif.

 HEAVISIDE, MICHAEL G. (A'46-M'49-SM'55), Mgr., Systems, Research & Dev., Marquardt Aircraft Co., 2709 N. Garey Ave., Pomona, Calif.

 HEAZEL, VINCENT M., JR. (S'50-A'52-M'58), Engr., Westinghouse Elec. Corp., Baltimore, Md.

 HEBAL, WILLIAM H. (A'26-M'46), Chief Engr., AM Facilities, The Journal Co., WTMJ-WTMJ-WTMJ-TV, 720 E. Capitol Dr., Milwaukee J., Wis.

- E. Capitol Dr., Milwaukee 1, Wis. HEBDITCH, EDWARD A. (M'59), Sr. Assoc., Arthur D. Little, Inc., Cambridge, Mass. HEBEL, EUGENE, JR. (A'52), Pres. & Genl. Mgr., Alliance Mfg. & Supply Co., Inc., 32-15 Lawrence St., Flushing 54, L.I., N.Y.

- HEBER LING, WILLIAM W. IR. (A'49-M'54) Mam Tech

 HEBERLING, WILLIAM W. IR. (A'49-M'54) Mam Tech

 HEBER, EARLY (A'55), ASSOC. Mem. Tech. Staff, Bell

 Tel. Labs., Whitopany, N.J.

 HEBER, LONF, (S'55-M'58). Design Engr., Tung Sol

 Electric, Inc., 200 Bloomfield Ave., Bloomfield, N.J.

 HEBER, LONF, (S'51-M'58). Whitopany, N.J.

 HEBER, LONF, ATHUR A. (1'20-A'21-VA'39-SM'48), Mem.

 Tech. Staff, Sell Tel. Labs., Whitopany, N.J.

 HEBERLING, E. DONALD (SM'55), Chief, Systems Dev.

 Sect. of Instrumentation Div., Naval Ordanace Lab., Corona,

 Calif.

 HEBERLING, WILLIAM W. IR. (A'49-M'54). Mam Tech.

- Calif.

 Calif.

 HEBERLING, WILLIAM W., JR. (A'49-M'54), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. HEBERT, EUGENE J., JR. (S'48-A'51-M'56), Project Engr., Computer Lab., Philoc Corp., 4700 Wissahlckon Ave., Philodelphia 41, Ps.

 HEBERT, JAMES O., JR. (S'56-M'58), Instr., Dept., Elec. Engr., Agricultural & Mechanical College of Texas, College Station, Tex.

 HECHT, BENJAMIN P. (M'56), Sr. Engr., Advanced Engrg. Dev., Raytheon Mfg. Co., Newton, Mass.

 HECHT, BERNARD (M'45-SM'54), Consultant, Quality Control & Reliability, B. Hecht & Associates, 5410 Wilshire Blvd., Los Angeles 36, Calif.

- HECHT, GEORGE (SM'52), Mem. Tech. Staff, Bell Tel.
 Labs., 463 West St., New York 14, N.Y.
 HECHT, NORMAN E. (M'54), Components Engr., Stromberg-Carlson Co., Rochester, N.Y.
 HECHT, NORMAN E. (M'54), Components Engr., Stromberg-Carlson Co., Rochester, N.Y.
 HECKL MANGER R. (A'42-SM'50), Dir., Public Relations, Airbome Instrument Labs., Mineola, L.I., N.Y.
 HECK, JAMES R. (A'42-SM'50), Supva. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
 HECK, JOHN C. (S'54-M'56), Engr., Philoc Corp., 4700
 Wissahickon Ave., Philadelphia 44, Pa.
 HECK, JOHN C. (S'54-M'56), Engr., Philoc Corp., 4700
 Wissahickon Ave., Philadelphia 44, Pa.
 HECKER, ATMOND F. (A'54), Sect. Head, Vacuum Tubes,
 CBS Labs., High Ridge Rd., Stamford, Conn.
 HECKER, ALEBERT I. (S'50-A'53-SM'59), Asst. Prof.,
 Dartmouth College, Hanover, N.H.
 HECKEL, RICHARD O. (M'52), Engr., AR460, Navy Dept.,
 Gureau of Aeronautics, Armanent Div., Washington, D.C.
 HECKELMAN, RICHARD W. (S'47-A'50-M'56), Engr.,
 GE Co., Syracuse, N.Y.
 HECKELMAN, T. JACK (M'52), Engr. Sect. Mgr., Philoc
 Corp., 4700 Wissahickon Ave., Philadelphia, 44, Pa.
 HECKER, HERBERT F. (M'59), Dir., Suppression &
 Genl. Engr. Div., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 HECKER, WALTER (M'56), Dev. Engr., Triumph Werke
 Numbers AG, Home: Gertrudstr, 33, Numbers, Germany.
 HECKERT, WILLIAM F. (M'56), Physicist, Delco Radio
 Div., GMC, Kokomo, Ind.
 HECKINGER, ROBERT G., JR. (A'53), Research Engr.,
 Stanford Research Institute, Menlo Park, Calif.
 HECKEMAN, GERALD R. (S'54-M'56), Communication Engr.,
 Bell Tel. Co. of Canada, Ltd., Guy Towers 8ldg., Montreal,
 P. O., Canada.
 HECKMAN, HARVEY T. (M'56-SM'59), Staff Engr.,
 Consley Div., Avco. Mfg. Corp., 1329 Arlington St.,

- P.Q., Canada.

 HECKMAN, HARVEY T. (M'56-SM'59), Staff Engr.,
 Crosley Div., Avco Mfg. Corp., 1329 Arlington St.,
 Cincinnati 25, Ohio.

 HECKSEL, WARREN M. (S'55-M'57), Instrumentation
 Engr., Martin Co., 12250 S. Hwy. 75, Littleton, Colo.

 HECQ, YVAN V. (M'57), 80 Rue Des Deux Gares, Brussels,
 Belqium.
- Belgium. HECTOR, L. GRANT (A'26-SM'43), V.P., Sonotone Corp., Elmsford, N.Y. HEDBERG, CARL A. (A'42-M'46-SM'53), Head, Electronics Div., Denver Research Institute, Univ. of Denver, Denver 10,
- HEDBERG, HAROLD E. (S'50-A'51-M'56), Project Engr., Sierra Electronic Corp., 3885 Bohannon Dr., Menio Park. Calif.
- HEDBERG, ROBERT W. (S'50-A'51-M'56), Weapon System Analyst, Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.

- Seattle, Wash.
 HEDEEN, FRANCIS D. (A'57), 1448 Summit St., Ft.
 Wayne, Ind.
 HEDEL, KURT K. (S'55-M'56), Engr., Federal
 Telecommunication Labs., Nutley 10, N J.
 HEDEMAN, WALTER R., JR. (A'44-SM'49), Asst.
 Chief Engr., Texas Instruments Co., 6000 Lemmon
 Ave., Dallas 9, Tex.

- Ave., Dallas 9, Tex.

 HDDEME, THEODORE H. (A'47-SM'52), Program Mgr., AN/AMO_15, Radar System, Bendix Aviation Corp., 11600 Sheman Way, North Hollywood, Calif.

 HEDGCOCK, WENDELL T., JR. (A'51-M'57), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 HEDGE, LAFAYETTE B. (A'46-M'55), Chief Rocket & Recoilless Weapons Sect., Ordnance Research & Dev., Dept. of the Army, Washington 25, D.C.

 HEDGECOCK, DARRELL M. (A'46-M'57), Sr. Engr., Test Equipment Design, WestInghouse Elec. Corp., Air Arm Div., Baltimore 27, Md.

 HEDGECOCK, RAY G. (M'57), Chief. Airways Tech. Field
- Arm Div., Baltimore 27, Md.

 HEDGECOCK, RAY G. (M'57), Chief, Airways Tech. Field Office 38, FAA, Standford Field, Louisville, Ky.

 HEDGER, ROY, JR. (A'58), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 HEDGES, CHARLES P. (M'54-SM'58), Mem. Tech. Staff, GE Co., 735 State St., Santa Barbara, Calif.

 HEDGES, HARRY G. (A'94-M'55), Instr., Michigan State Univ., East Lansing, Mich.

 HEDGES, THOMAS C. (A'52-M'57), Electronics Engr., Hunting Aero Surveys, Ltd., 6 Elstree Way, 8 orehamwood, Herts, England.

 HEDLES, THOMAS C. (A'51-M'58), Kalser Aircraft &

- ners, England.

 HEDLER, ROBERT C. (A'51-M'58), Kalser Aircraft & Electronics Corn., Box 437, Toledo I., Ohio.

 HEDLUND, DONALD A. (S'47-A'48-M'53), Sr. Engr., Raytheon Mfg. Co., Wayland, Mass.

 HEDLUND, KENNETH W. (A'45-M'56), Supt., Standards Engro. Div., U.S. Naval Air Sta., North Island, San Diego 35, Callif.

 HEDDUIST. THOMACO. (SIGNAR)
- HEDQUIST, THOMAS G. (S'53-M'55), Intermediate Elec. Engr., Sinclair Pipe Line Co., Sinclair 8ldg., Independence, Kan.
- HEDRICH, ALBERT L. (A'42-M'48-SM'56), Chief Engr., Weinschel Engrg. & Mfg. Corp., 10503 Metropolitan Ave., Kensington, Md.
- HEDRICK, CHARLES E. (A'51-M'56), Airways Operations Specialist, FAA, Washington Natl. Airport, Gravelly Point, Va.
- va.

 HEDRICK, LANGDON C. (SM'54), Head, Component Engrg., Dept., Tektronix, Inc., Box 831, Portland, Ore.

 HEDRICK, PHILIP F. (A'44-M'47-SM'50), Operations Mgr., WSJS-Radio, WJSJ-Try, Piedmont Publishing Co., Box 3018

 Winston-Salem, N.C.
- Winston-Salem, N.C.
 HEDRICK, REGINALD L. (S'56-M'58), Electronic Engr.,
 Sperry-Piedmont Co., Rte, 29, N., Charlottesville, Va.
 HEDRICK, WESLEY M. (M'56), Tech. Staff, Systems
 Test, Martin Co., Box 179, Denver 1, Colo.
 HEDRICK, WILLIAM (A'56), Test Engr., Convalr, 3302
 Pacific Hwy., Sam Diego, Calif.

- Pacific Hwy., San Diego, Calif.

 HEDSON, HARRY D. (A'52), Field Engr., Philoc Corp.,
 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 HEDVIG, THOMAS I. (S'55-M'57), Instr., Elec. Engrq.
 Debt., Univ. of Illinois, Urbana, III.

 HEEBNER, DAVID R. (S'54-M'56), Mem. Tech. Staff
 Ground Systems Group, Hughes Aircraft Co., Malvern Ave.,
 Fullerton, Calif.

 HEEKE, GORDON D. (S'55-M'56), Electronics Engr.,
 U.S. Naval Ordanace Test Sta. China Lake, Calif.

 HEEMBROCK, MARVIN R. (SM'58), Electronics Systems
 Engr., McDonnell Aircraft Corp., Box 516, St. Louis
 66, Mo.

- HEENAN, NEIL 1. (A'59), Lt. Cmdr., Elec. Branch, Royal Canadian Navy, Ottawa, Ont., Canada.

 HEENAN, PETER J. (A'52), Pres., P. J. Heenan, Ltd., 669 Bayview Ave., Toronto 17, Ont., Canada.

 HEER, WILLIAM G. (S'58-M'59), Elec. Engr., Remington Rand Univac, St. Paul, J.G. Minn.

 HEEREMA, CLARENCE E. (S'56-M'59), Engr., Infrared, Bendix Systems Div., Ann Arbor, Mich.

 HEEREMANS, CHARLES J. (M'58), Engr., Genl. Time Lab., 111 N. Canal St., Chicago 6, Ill.

 HEERMANS, JOHN W. (S'49-A'52-M'57), Advisory Engr., 1BM, Poughkeepsie, N.Y.

 HEEROMAN, HERMAN H. (M'58), Mem. Patent Office of The Netherlands, 6 Willem Witsenplein, The Hague, Netherlands.

 HEESS, ELMER L. (A'56-M'57), Trasmitter Engr., Metropolitan Educational TV Sta. WQED & WQEX, 5 Ave., Pittsburgh 13, Pa.

 HEFELE, JOHN R. (A'36-VA'39-SM'53), Mem. Tech.
- 5 Ave., Pittsburgh 13, Pa.
 HEFELE, JOHN R. (A'36-VA'39-SM'53), Mem. Tech.
 Staff, Bell Labs., Murray Hill, N.J.
 HEFFELFINGER, JOHN 8. (S'40-A'41-SM'46), Consulting
 Radio & TV Engr., 8401 Cherry S. I, Kansas City 10, Mo.
 HEFFERNAN, H. JOHN (S'49-A'50), Sales Rep., Wild
 & Associates, 2523 Wilson Blvd., Arlington, Va.

- & Associatés, 2523 Wilson Blvd., Arlington, Va. HEFFNER, EDWARD K. (S'47-A'50), Electronics Engr., Crescent Engra. & Research Co., 5440 N. Peck Rd., El Monte, Calif.
 HEFFNER, HUBERT (S'49-A'52-SM'56), Assoc. Prof., Elec. Engra., Stanford Univ., Stanford, Calif.
 HEFFNER, ROY W. (A'50), TV Field Engr., WN8Q-TV, NBC, Merchandise Mart, Chicago, Ill.
 HEFFNER, CAPK, E. (M'57), Sr. Engr., WestInghouse Elec. Corp., Metuchen, N.J.
 HEFLICH, GILBERT B. (A'56-M'57), Sr. Electronics Engr., Instrumentation Consultant, Calibration & Test Application, U. S. Testing Co., Inc., 1001 Columbia Ave., North Bergen, N.J.
- U. S. Testing Co., Inc., 1001 Columbia Ave., North 8ern N.J.

 HEFT, EUGENE J. (S'50-A'52-M'5B), Elec. Engr., Dynatrol Corp., 51 Park St., Beverly, Mass. HEFTE, CAVLIN B. (S'52-A'54), Sales Engr., Sylvania Elec. Prods., Inc., 440 Front St., Santa Cruz, Calif. HEGAR, DAN T. (A'54-M'56), Research Geophysicist, Humble Oil & Refining Co., Box 2180, Houston, Tex. HEGAR, E. A. (M'46-SM'49), Building & Equipment Engr., Southwestem Bell Tel. Co., 900 W. Capitol, Little Rock, Ark.

 HEGBAR, HOWARD R. (S'41-A'42-SM'46-F'57), Mgr., Avionics & Electronics Engrg., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 HEGE, ALLIE L. (A'48), Secy. & Treas., Dalton-Hege

- REGE, ALLIE L. (A'49), Secy. & Treas., Dalton-Hege Radio Supply Co., 924 W. 4 St., Winston-Salem, N.C. HEGE MAN, BERNARD L. (A'47), Sect. Mgr., Tech. Prods. Div., Allen 8. DuMont Labs., 760 Bloomfield Ave. Clifton, N.J.

- Div., Allen 8. DulMont Labs., 760 Bloomfield Ave., Clifton, N. J.

 HEGGY, COMPTON E. (M'57), Group Engr., Boeing Airplane Co., 3801 S. Oliver, Wichita 1, Kans.

 HEGJ, JERRELL G. (S'56-M'58), J506 Browning Dr., Arlington, Tex.

 HEGLER, BURNS E. (M'56), Instr., Elec. Engrg., Kansas State Univ., Manhattan, Kan.

 HEGNER, HENRY R. (S'5B-M'59), Electronics Engr., McDonnell Aircraft Corp., Lambert St. Louis Municipal Airport, St. Louis, Mo.

 HEIBEL, JEROME D. (M'59), V.P., Prod. Planning & Dev., Eric Resistor Corp., 664 W. 12, Eric 6, Pa.

 HEICHLINGER, CHARLES L. (K'57), Assoc. Engr., Crosby Labs., Hicksville, L.I., N.Y.

 HEICK, BRUCE K. (A'38-M'55), Chief Engr., Industron Corp., 55 Needham St., Newton Highlands, Mass.

 HEID, PETER R. (S'57-M'59), Research Engr., Genl. Atomic Div. Genl. Dynamics, Box 608, San Diego, Calif. HEIDE STANFORD M. (A'45), Dev. Engr., Chicago Coin Machine Co., 1725 W. Diversey St., Chicago, Ill.

 HEIDE, STANFORD M. (A'45), Dev. Engr., Chicago Coin Machine Co., 1725 W. Diversey St., Chicago, Ill.

 HEIDE, WILLIAM H. (M'57), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 HEIDE MLLIAM H. (M'57), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 HEIDER, CHARLES M. (SM'49), Mgr., Research Application

- MEIDEBRECHT, LEONARD E. (M'58), Box 851, Clarkson, Ont., Canada. HEIDEN, CHARLES M. (SM'49), Mgr., Research Application Dept., Research Lab., GE Co., Schenectady, N.Y. HEIDENREICH, JACK (SM'59), Electronics Component Specialist, GE Co., 2600 Far Hills Ave., Dayton 19, Ohio.
- HEIDGEN, BERNARD JR. (S'49-A'50-M'55), Field Engr., RCA Service Co.. Camden. N. J HEIDRICH, ARTHUR J. (S'56-M'58), Lt., USAF, Air Force Flight Test Center, 8ox 2334, Edwards AFB, Calif.
- Calif.

 HEIDRICK, CLIFFORD P. (S'55-M'56), Elec. Engr., ITT Labs., Nutley 10. N.J.

 HEIER, LEONARD D. (S'56-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 HEJBOER, ROEL J. (A'56), Engr., Naturkundig Lab. of N.V. Philips' Gloeilampenfabrieken, Eindhoven, Holland.¹

 HEJKKINEN, ROLAND R. (S'58-M'59), Prellminary Design Engr., The Garrett Corp., 9851 Sepulveda, Los Angeles 45, Calif.

- Liur., Ine Garrett Corp., 9851 Sepulveda, Los Angeles 45, Calif.
 HEIL, JOHN F. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 HEIL, MICHAEL M. (S'57-M'59), 2nd Lt., USAF, Home: 2408 Hayden Dr., Silver Spring, Md.
 HEILENDAY, FRANK W. (M'54), Chief, Office of Operations Analysis Hors., 8th AF, SAC, USAF, Westover AFB, Mass. HEILFRON, JACK (A'54), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45. Calif.
 HEILMANN, PHILIP E. (A'59), Project Engr., Genl. Instrument Co., 65 Gouverneur St., Newark, N.J.
 HEILPRIN, LAURENCE B. (A'40-M'55), Physicist, Council on Library Resources, Inc., 1025 Connecticut Ave., Washington 6, D.C.
- ington 6, D.C.
 HEIM, FREDERIC A. (M'56), Partner, Heim & Scheer,
 11168 Santa Monica Blvd., Los Angeles 25, Calif.
 HEIM, HOWARD J. (A'39-SM'54), Research Assoc. &
 Assoc. Prof., Elec. Engrg., Purdue Univ., West Lafayette, Ind.
- rayette, Ind.
 HEIM, JOSEPH L. (S'54-M'56), Elec. Engr., WDL, Philoo Corp., 3875 Fabian Way, Palo Alto, Calif. HEIM, KENNETH P. (S'57-M'58), Engr., Western Electric Co., Marlon & Vine Sts., Laureldale, Pa.

- HEIMAN, EUGENE F. (S'57-M'58), U. S. Amny Signal Engrg. Lab., Ft. Monmouth, N.J.
 HEIMANN, WALTER (M'56), Owner, Physikal. Techn. Werkstatten, Prof., Research Lab., Gehrmerweg 15, Wiesbaden Am. Zone, Germany.
 HEIMARK, HAROLD A. (A'54), Elec. Engr., Puget Sound Naval Shipyard, Bremerton, Wash.
 HEIMER, ALLEN R. (M'59), Assoc. Engr., Texas Instruments, Inc., 6000 Lemmon, Dallas 19, Tex.
 HEIMER, RICHARD L. (S'55-M'57), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 HEIMELER, ROBERT C. (S'54-A'157), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 HEIN, DONALD W. (A'47-M'55), AM Engrg. Supvr., WJBK, The Storer Broadcasting Co., 7441 2 St., Detroit 2, Mich. HEIN, POINLIP H. (S'55-M'59), Elec. Engr., Delco Radio Div., 700 E. Filmin St., Kokomo, Ind.
 HEIN, ROBERT W. (S'55-M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 HEINAMAN, HOWARD B., JR. (S'50-A'52-M'57), Sr. Dev. Engr., Minneapolis-Honeywell Regulator Co., Brown Inst. Div., Wayne & Windrim Aves., Philadelphia 44, Pa.
 HEINDEL, HARDLD J. (A'28-SM'45), Secv. & Chief Engr., Andrea Radio Corp., 27-01 Bridge Plaza, N., Long Island City 1, N.Y.

- HEINDSMANN, THEODORE E. (S'44-A'45-M'52-SM'55), Research Supvr., Countermeasures & ASW Detection Tech-niques, Boeing Airplane Co., 8ox 3707, Seattle 14, Wash.

- niques, Boeing Airplane Co., 80x 3707, Seattle 14, Wash. HEINE, RICHARD A. (5'154-M'58), Dev. Engr., Dymec, Inc.. 395 Page Mill Rd., Palo Alto, Calif. HEINE, WALLACE (S'55-M'57), Engr., Sperry Utah Engrg. Lab., 322 N. 21, W., Salt Lake City 9, Utah. HEINECK, ARTHUR W. (5'51-A'53-M'55), Sr. Engr., 18M, Kingston, N.Y. HEINEMAN, JOHN T. (4'36-VA'39-M'55), Engr., Tech. Publications, Western Electric Co., Lexington Rd., Winston-Salem, N.C.
- HEINEN, JOSEPH (S'54-M'57), B-57 Navigator, USAF. APO 994, San Francisco, Calif.
 HEINES, JEAN M. H. (M'57), Sr. Project Engr., Canadian Aviation Electronics, Box 2030, Sta. "0", Montreal, P. Q. Canada.
- Canada.

 HEININGER, WALTER W. L. (A'44-M'55-SM'57), Prof., Escola Technica do Exercito, RuaAnchieta 5, Apt. 1001, Leme, Rio de Janeiro, Grazil.

 HEINIS, FRANKW. (A'50), Electronics Engr., Emerson Radio Co., Cole St., Jersey City, N.J.

 HEINKE, CARLOS 8. (M'53), Design Engr., Newcomb Electronics Corp., 6824 Lexington, Hollywood 38, Calif.

- Electronics Corp., 6824 Lexington, Hollywood 38, Calif.

 HEINLEIN, JOSEPH V. (A'54), Sr. Technician, Electronic Associates, Inc., Long Branch Ave., Long Branch, N.J.

 HEINLY, WARREN A. (M'58), Field Engr., Stavid Engrg., Inc., Plainfield, N.J.

 HEINRLY, BERNARD F. (S'51-A'53-M'57), Mng. Engr., Chrysler Corp., Box 2628, Detroit, Mich.

 HEINRICH, EDWARD F. (M'58), Elec. Design Engr., Norden Labs. Oiv., United Aircraft Corp., Commerce St., Stamford, Conn.

 HEINRICH, FRANK (A'52-M'56), Data Reduction Engr., Missiles Engrg., Douglas Aircraft Cor., 3DDD Ocean Park Blvd., Santa Monica, Calif.

 HEINRICH, FRANK R. (S'58-A'58), Engr's. Alde, Hazeltine Electronics Corp., Little Neck 62, L.I., N.V.

 HEINRICH, RICHARD E. (M'59), Supvr., Instrument Calibration & Repair Unit., Land-Air, Inc., Box 394, Holloman AF8, N.M.

 HEINS, A.V.IN E. (M'58), Elec. Design Engr., Anderson

- AFO, N.M. HEINS, ALVIN E. (M'58), Elec. Design Engr., Anderson Clayton & Co., Box 2536, Houston 1, Tex. HEINS, HAROLD (A'36), V.P., Engrg., Bomac Labs., Inc., Salem Rd., Beverly, Mass. HEINS, JOHN L. (A'32-VA'39-SM'59), Asst. Chief Dev. Engr., Control Instrument Co., 67 35 St., Brooklyn 32, N.Y.
- HEINS, PAUL N. (M'57), Mgr., Field Engrg. & Training Depts., Federal Electric Corp., Box 347, Rte. 17, Lodi, N.J.

- N.J.

 HEINSEN, DONALD E. (S'56-M'57), Asst. Elec. Engr.,
 U. S. Army, AEPG, Ft. Huachuca, Ariz.

 HEINTZ, KARL O. (M'46-SM'54), Research Geophysicist,
 Humble Oil & Refining Co., Box 2180, Houston, Tex.

 HEINTZ, RALPH M., (A'21-M'27-F'30)(L), Owner, -The
 Ramohs, Box 546, Los Gatos, Calif.

 HEINTZ, RALPH M., JR, (S'47-A'49-M'55), Sr. Research
 Engr., Stanford Research Institute, Menio Park, Calif.
- HEINZ, JOHN M. (S'54-M'57), Research Staff Mem., MIT, Cambridge 39, Mass.

- HEINZ, JOHN M. (S'54-M'57), Research Staff Mem., MIT, Cambridge 39, Mass.

 HEINZ, KENNETH E. (A'58), Systems Engr., Project Dew Drop, Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

 HEINZELMAN, GEORGE J. (M'45), Engr., AT&T Co., 138 E. Court St., Cincinnati 2, Ohio.

 HEINZELMAN, GEORGE J. (M'45), Engr., AT&T Co., 138 E. Court St., Cincinnati 2, Ohio.

 HEINZELING, EDWARD W. (S'56-M'57), Elec. Engr., Paragon Electric Co., Two Rivers, Wis.

 HEINZELING, EDWARD W. (S'49-A'52-M'57), Missile Systems Evaluation, GE Co., Syracuse, N.Y.

 HEINZELING, EDWARD W. (S'49-A'55), Engr., Lockheed Missiles, Palo Alto, Callf.

 HEINZMANN, FRED C. (S'53-A'55), Research Engr., Stanford Research Institute, Menio Park, Callf.

 HEINZMANN, JOHN D. (S'50-A'51-M'58), Engr., Raymond Engrg. Lab., Inc., 5mith St., Middletown, Conn.

 HEIPLE, ROBERT B. (S'57-M'59), USS Valley Forge, CVS-45, FPO, New York, N.Y.

 HEISE, EDWARD R. (S'56-M'57), Electronics Engr., Stromberg-Carlson, Co., Inc., 1400 N. Goodman St., Rochester 9, N.Y.

 HEISER, EDWINS. (A'28-SM'44), Engr.-In-Chg., Dist. 19, FCC, 1029 Federal Bidg., Detroit 26, Mich.

 HEISER, WILLIAM H. (S'46-A'47-M'55-SM'57), Exec. Engr., ITT Labs., Nutley 10, N.J.

 HEISER, WILLIAM W. (S'46-A'50-M'55), Engr., Raytheon Mig. Co., Wayland, Mass.

 HEISEY, DOUGLASS D. (A'58), Research Analyst, Lockheed Aircraft Corp., Missile & Space Div., Sunnyvale, Callf.

 HEISEY, WESLEY H. (A'56), Electronics Technician, Univ. of Kansas Medical Center, 39 & Rainbow, Kansas City.
- HEISEY, WESLEY H. (A'56), Electronics Technician, Univ. of Kansas Medical Center, 39 & Rainbow, Kansas City,

- HEISIG, GARTH J. (A'52-M'56), Dir., TV Engrg., Motorola, Inc., 4545 W. Augusta Blvd., Chlcago 51, III.
 HEISING, CHARLES R. (A'50-M'58), Engr., GE Co.,
 Box 196, Cincinnail 15, Ohio
 HEISING, RAYMONO A. (A'20-F'23)(L), Consulting Engr.,
 232 Dak Ridge Ave., Summit, N.J.
 HEISLEIN, J., THOMAS (S'54-A'55), Elec. Engr., Raytheon
 M'9. Co., Andover, Mass.
 HEISLER, WALTER D. (A'56), Sales Mgr., Cambridge
 DIV., Airpax Prods. Co., Cambridge, Md.
 HEISNER, DONALD A. (A'36-M'45), Pres., Don Helsner,
 Marine Electronics, Willow Lane, Vermilion, Ohio.
 HEISS, SAMUEL K. (A'58), Consultant, Scientific Consultants, 1422 Chestnut St., Philadelphia 2, Pa.
 HEISS, WILLIAM H. (S'52-A'52-SM'57), Sr. Engr.,
 Sperry Gyroscope Company, Great Neck, L.I., N.Y.
 HUSAF (MHItary Air Transport Serv.), 15th ATS, Dover, AF8, Dover, Del.
 HEISS, CLARENCE F. (A'37-M'46-SM'53), Electronics

- AFB, Jover, Del.
 HEISTER, CLARENCE F. (A'37-M'46-SM'53), Electronics
 Engr., FCC, Washington, D.C.
 HEIT, IRWIN M. (S'55-M'57), Applications Engr., T.
 Louis Snitzer Co., 510 S. Mathilda Ave., Sunnyvale,
 Callf.
- Calif.

 HEIT, JOSEF C. (S'43-A'45-M'55), Project Erigr., Eastman Kodak Co., Rochester, N.Y.

 HEITHECKER, LELAND F. (M'54), Jr. Engr., A. Earl Cullum Jr., Consulting Engrs., Inwood P.O., Dallas, Tex.
- HEITMAN, EARL H., JR. (S'56-A'57), Electronics Technician, Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
- 3, Md.
 HEITNER, ALFRED J. (A'42-M'50), Quality Coordinator,
 Sylvania Elec. Prods., Inc., Emporlum, Pa.
 HEITZEBERG, CHARLES H. A. (S'49-A'50-M'56-SM'56),
 Supur., Systems Engrg., Universal Match Corp., 4407
 Cook Ave., St. Louis 13, Mo.

- Cook Ave., St. Louis 13, Mo.

 HEITZMAN, ROBERT E. (M'58), Mem. Tech. Staff, Hughes
 Aircraft Co., Los Angeles 45, Calli.

 HEIZER, JOHN T. (S'55-M'56), Design & Dev. Engr.,
 RCA, Camden 2, N.J.

 HEIZER, KENNETH W. (S'47-A'51-M'56), Asst. Prof.,
 Elec. Engr., Southern Methodist Univ., Dailas, Tex.

 HEIZER, LUTHER E. (A'54), Supvr., Analog Computing,
 Convair, Ft. Worth, Tex.

 HEIZER, MORRIS M. (A'56), Design Engr., Sherman,
 Fairchild & Associates, Inc., 850 Midland Ave., Yonkers,
 N.Y.

- N.Y.
 HEIZMAN, CHARLES L., JR. (S'53-M'57), Research
 Engr., 18M, Box 218, Yorktown Heights, N.Y.
 HEKAROS, JOHN S. (A'57), Dir., Engrg. Design, Madigan
 Corp., 204 Stonehinge Lane, Carle Place, L.I., N.Y.
 HEKIMIAN, NORRIS C. (S'47-A'52-M'57), Radio Engr.,
 Dept. of Defense, Washington 25, D. C.; Consulting Engr.,
 Bogs & Hekimian, 10204 Carrol Pl., Kensington, Md.

- Bogps & Heklmian , 10204 Carrol PI., Kensinston, Md.

 HEKKER, THOMAS L. (S'56-A'56), Engr., Lear, Inc.,
 11D Ionia Ave., Grand Rapids 2, Mich.

 HEKSTER, SIEGFRIED (M'51), Head, Engrg. Sect. for
 Electronics, Marine Electronisch Bedrijf at Oegstoest,
 Royal Netherlands Navy, Netherlands.

 HELBER, CARIA A. (S'43-A'45-M'51), Head, Electronics
 Engrg., Goodyear Aircraft Corp., Litchfield Park, Ariz.

 HELBIG, ERICH M. (A'52), Mgr., Summers Gyroscope
 Co., 333 W. 1st. St., Dayton 2, Ohio.

 HELBIG, WALTER A. (A'53), Research & Design Engr.,
 RCA, Camden, N.J.

 HELBIG, WALTER L. (M'56), European Regional Mgr.,
 Electronic Associates, Inc., Brussells, Belgium.

 HELD, GEDALIA (A'54), Assoc. Prof. of Elec. Engrg.,
 Univ. of Washington, Seattle 5, Wash.

 HELD, HAROLD (M'54-SM58), Design Specialist, Lockheed Aircraft Corp., Box 551, Burbank, Calif.

 HELD, HERMAN E. (A'30-VA'39), District Mgr., Weston Instruments Div., Daystrom, Inc., 147 10 St., San
 Francisco 3, Calif.

 HELD, JOHN C. (S'47-A'52-M'57), Engr., Genl. Radio

- ton Instruments Div., Daystrom, Inc., 147 10 St., San Francisco 3, Calif.

 HeLD, JOHN C. (S'47-A'52-M'57), Engr., Genl. Radio Co., 8055 13 St., Silver Spring, Md.

 HeLD, RALPH W. (A'47-M'56), Sr. Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philiadelphia 32, Pa.

 HELDERMAN, TEDDY E. (A'54), Electronics Engr., Tammen & Denison, Inc., 650 S. Clark St., Chicago 5, III.

 HELENEK, ANDREW R. (A'53-M'58), Dev. Engr., Arma Div., Roosevelt Field, Garden City, L. I., N. Y.

 HELF, WILLIAM, JR. (S'51-A'52-M'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 HELFEN, EDWIN (M'58), Engr., RCA. Moorestown. N. J.

 HELFEN, JOHN M. (S'49-A'50-M'55), Mem. Tech.

 Staff, Bell Tel. Labs., Whippany, N. J.

 HELGESON, 808 P. (A'54), Tech. Planning Engr., Reaction Motors Inc., Denville, N. J.

 RELGESON, GEORGE L. (A'51-M'56), Health Physicist, Radiological Engrg., GE Co., Box 846, Pleasanton, Calif.

 HELGESON, GEORGE T. (A'54), Equipment Maint.. AT&T

- Radiological Engrg., GE Co., Box 846, Pleasanton, Calif.
 Calif.
 HELGESON, GEORGE T. (A'54), Enulpment Maint., AT&T Co., 816 Lee St., Charleston, W. Va.
 HELGESON, VIRGIL L. (A'50-M'55), Head, Genl. Systems Engrg., AC Spark Plug Dlv. of GMC, 1925 E. Kenilworth, Milwaukee 2, Wis.
 HELKEN, E. WILLIAM (A'48-M'52), Dlr. of Communications, Trans-Texas Airways, Airport, Houston 17, Tex.
 HELLAND, JOSEPH C. (S'47-A'48-M'53-SM'56), Mem. Tech. Staff, Space Technology Labs., Inc., 5500 El Segundo Blvd., Los Angeles 45, Calif.
 HELLAR, MARTIN W., JR. (A'51-M'57), Mgr., Advance Dev. Engrg., GE Co., Somersworth, N. H.
 HELLOORFER, C. S. (M'46), Partner, Helldoerfer-Castiflini, 414 W. 1st St., Oayton 5, Ohlo.
 HELLEN, RICHARO J. (M'58), Engr., GE Co., 80x 194, Cinclimat 15, Ohlo.
 HELLEN, RICHARO J. (M'58), Engr., GE Co., 80x 194, Cinclimat 15, Ohlo.
 HELLEN, RICHARO J. (M'54), Staff Mem., Naval Ordnance Lab., Silver Spring, Md.
 HELLER, PROUGLAS M. (SM'57), Asst., Genl., Mgr., Miscills Sect., Apndiv Prods. Div., 400 S. Reloer St., Miscills Sect., Aprilor Prods. Div., 400 S. Reloer St.

- HELLER, DOUGLAS M. (SM'57), Asst. Genl. Mgr., Missile Sect., Bendix Prods. Dlv., 400 S. Beiger St., Mishawaka, Ind.
- HELLER, GEORGE W. (A'56), V.P., Sales & Tech. Service, Tensolite Insulated Wire Co., Inc., W. Main St., Tarrytown, N.Y.

- HELLER, HERBERT H. (S'49-A'51-M'52-SM'56), Engrg. Mfg. Liaison, Clevite Electronic Components Div., 3311 Perkins Ave., Cleveland 14, Ohio. HELLER, JOHN H. (A'52), Exec. Dir., New England Institute for Medical Research, Grove St., Ridgefleld, Conn. HELLER, JOSEPHI. (S'39-M'45-SM'46), Consultant, Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mount Vernon, N.Y.

- Vermon, N.Y.

 HELLER, JOSEPH L. (M'58), Joseph L. Heller Associates, 250 W. 57 St., New York 19, N. Y.

 HELLER, LARRY J. (S'56-4'57), Electronics Technician, GE Co., Syracuse, N. Y.

 HELLER, MACY E. (S'57-A'57), Research Technician, RCA Labs., Princeton, N. J.

 HELLER, OSCAR C. (M'56), Project Engr., Bulova Research & Development Labs., Inc., 62-10 Woodside Ave., Woodside 77, L. I., N. Y.

 HELLER, PETER N. (A'55), Staff Engr., Concord Control, Inc., 1282 Soldier's Field Rd., Boston 35, Mass.

 HELLER, RAYMOND E. (S'52-A'53-M'58), Sales Engr., Delco-Remy Div., GMC., 2401 Columbus Ave., Anderson, Ind.
- HELLER, ROSERT E. (S'44-A'48-SM'53), Dev. Engr., Hewlett-Packard Co., Stanford Industrial Park, Palo Alto Calif.
- HELLER, SAMUEL (A'44-M'55), Chief Engr., Consolidated Electric Motor Co., 97-99 Lafayette St., Chief Engr., American Rectifler Corp., 95 Lafayette St., New York 13,
- N.Y. HELLER, THEOOORE (A'58), Quality Control Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- York 17, N.Y.
 HELLER, ZINDEL H. (A'53-M'59), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 HELLERING, HARVEY L. (M'58), Eastern Regional Sales
 Mgr., ITI Industrial Prods. Div., 15191 Bledsoe St.,
 San Fernando, Calif.

- Mgr., ITT Industrial Prods. Div., 15191 Bledsoe St., San Fermando, Calif.

 HELLERMAN, HERBERT (S'49-A'50-M'55), Staff Engr., 18M, Yorktown Helghts, N.Y.

 HELLER, RICHARD M. (A'52-M'58), Project Engr., Eitel-McCullough, San Bruno, Calif.

 HELLER, RICHARD M. (A'52-M'58), Project Engr., Eitel-McCullough, San Bruno, Calif.

 HELLER, GOSTA P. (M'56), Project Engr., SAAB Aircraft Co., Linkoping, Sweden.

 HELLINGER, H. RALF J. (A'48-M'56), Engr. in Chg., Israel Recording Service, 4 Idelson St., Tel Aviv, Israel.

 HELLINGES, FRAZIER J. (M'57), Mem. Tech. Staff, Hycon Eastern, Inc., 75 Cambridge Pkwy. Cambridge, Mass.

 HELLIWELL, ROBERT A. (S'41-A'45-SM'50), Prof., Elec. Engr., Stanford Univ., Stanford, Calif.

 HELLMAN, B. HARRY (A'56), Electronics Engr., Spec., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 HELLMAN, CARL G. (S'56-M'58), Sr. Engr., Specialist, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Dhio.
- HELLMANN, REINHARD K. (A'38-VA'39+M'5D-SM'59), Asst. V.P., Hazeltine Electronics Dlv., Little Neck 63, L.I., N.Y.
- L.I., N.Y.
 HELLSTROEM, PAER G. (A'50), Mgr. & Dir., Paer
 Hellstroem, Box 279, Gothenburg, Sweden.
 HELLSTROM, MEL8OURNE J. (A'55-SM'58), Subvg.
 Engr., Westinghouse Elec. Comp., Rie. 27, Metuchen, N.J.
 HELLWARTH, ROBERT W. (S'52-A'53-M'58), Mem. Tech.
 Staff, Microwave Labs., Hughes Aircraft Co., Culver City,
 HELM CERPER D. (CART.)

- Calif.

 HELM, GEORGE D. (S'47-A'51-M'56-SM'56), Mem.
 Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 HELM, HARRY A. (A'46-M'52), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N.J.

 HELM, RICHARD J. (A'50), Instr., United Radio & Television Institute, 237 Washington St., Newark, N.J.

 HELM, RONALD R. (S'57-M'57), Engr., Grumman
 Aircraft Engrg. Com., Bethage, L.I., N.Y.

 HELMAN, DAVID (S'52-M'55), Systems Engr., GE Co.,
 Tempe, Ariz.

 HELMER, RICHARD J. (A'55), Staff Mem., Los Alamos
- Tempe, Ariz.

 HELMER, RICHARD J. (A'55), Staff Mem., Los Alamos Scientific Lab., Los Alamos, N. M.

 HELMHECKEL, THOMAS A. (M'54), Supvr., Command Receivers, Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 HELMREICH, L. WALTER, JR. (A'50-M'55-SM'57), Staff Engr., ITT Federal Labs., 3101 Wayne Trace, Ft. Wayne, Ind.
- MG. CHARLIE M. (M'55), Transmitter Supvr., WSJS-TV, Triangle Broadcasting Co., 419 Spruce St., Winston-Salem, N.C. HELMS, CLIFFORD J. (SM'58), Dept. Mgr., Remington Rand Univac, South Norwalk, Comn.
- Rand Univac, South Norwalk, Conn.
 HELMS, GEORGE W. (S'55-M'57), Dev. Engr., WMEC,
 Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.
 HELMS, MALCOLM E. (A'53-M'58), Engra. Sect. Head,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 HELMSING, LEO C. (S'52-A'53), Field Engr., ACF Industries, Inc., Riverdale, Md.
 HELMUS, DONALD H. (A'58), 39 Hadley Ave., Toms
 River, N.J.
- HELNER, ALFRED J. (M'56), Production Engr., Tung Sol Electric Co., Inc., 545 N. Arlington Ave., East Orange, N. I.
- N.J.

 HELPER, RALPH E. (M'58), Field Engr., Neely Enterprises, 3939 Lankershim Blvd., North Hollywood, Calif.

 HELPERIN, JEROME (A'53), Engro. Administrator, Northrop Aircraft, Inc., 520 E. Orangethorpe, Anaheim, Calif.

 HELSDON, PETER 8. (A'47-M'55), Dev. & Design Engr.,

 TV Cameras, Marconi's Wireless Telegraph Co., Ltd.,

 New St., Chelmsford, Essex, England.

 HELSETH, ROBERT S. (S'54-M'56), Scientist, Lockheed

 Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.

 HELT, SANFORD L. (A'59), Curriculum Specialist, Instr.,

 Martin Co., Box 179, Denver 1, Colo.

 HELTERES, ROBERT B. (M'56), Elec. Engr., GE Co.,

 3198 Chestnut St., Philadelphia, Pa.

 HELTERLINE, LEO L., JR. (A'48-M'55), Exec. V.P.,

- HELTERLINE, LEO L., JR. (A'48-M'55), Exec. V.P., Sorensen & Co., Inc., Richards Ave., South Norwalk, Conn.

HEL-HEN - 213 -

- HELWEGE, GEORGE (A'56), Jr. Project Engr., Bendix Aviation Corp., Teterboro, N.J. HELWICK, ELDRIDGE A. (A'53), Service Engr. & Owner, E.A. Helwick Television & Radio, 102 E. Beach, Pass Christian, Miss., & 2602 13 St., Gulfport, Miss. HELWIG, NORMAN C. (A'39-M'55), V.P. & Genl. Mgr., Kaar Engr. Corp., 2995 Middlefield Rd., Palo Alto, Calif.

- Calif.

 HELWIG, WILLIAM J. (S'48-A'49-M'54-SM'58), Engr.,
 Advanced Dev. Group, RCA, Harrison, N.J.

 HEM, RICHARD J. (A'54), Asst. Engr., Electronics,
 Sangamo Electric Co., Springfield, III.

 HEMBISE, PAUL M. (A'50), Jr. Engr., Motorola Inc.,
 3102 N. 56 St., Phoenix, Ariz.

 HEMBROOKE, E. F., JR. (A'34-VA'39), V.P., Muzak
 Corp., 227' 4 Ave., New York 3, N.Y.

 HEMDAL, JOHN F. (S'54-M'57), Assoc. Engr., Applied
 Physics Lab., The Johns Hopkins Univ., Silver Spring,
 Md.
- Md.

 HEMENWAY, DONALD F. (S'48-A'50-M'56), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 HEMINGWAY, FRANK S., JR. (M'46), Chief, Plans & Programs Office, Integrated Range Mission, White Sands Missile Range, N.M.

 HEMKER, JAMES 8. (S'53-M'56), Application Engr., Square D Co., 4041 N. Richards St., Milwaukee 12, Wis.
- HEMLER, CHARLES E. (A'52-M'57), Research Elec. Engr., Monsanto Chemical Co., 800 N. Lindbergh, St. Louis 66, Mo.
- HEMMAN, ROBERT J. E. (S'42-A'43-M'48), Project Engr., Ordnance Research Lab., Pennsylvania State Univ., 80x 30, State College, Pa.
- JU, State College, Pa.
 HEMMENDINGER, BERNHARD G. (M'56), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N.J.
 HEMMER, FREDERICK A., JR. (A'53-M'58), Staff Engr.,
 Electronic Communications, Inc., 1501 72 St., N.,
 St. Petersburg, Fla.

- St. Petersburg, Fla.

 HEMMES, RENE T. (A'40-M'47), High Voltage Lab., GE Co., 100 woodlawn Ave., Pittsfictd, Mass.

 HEMMICK, KENNETH S. (M'54), Mor., Hors., Radar Sect., Electronics Service Dept. Westinghouse Elec. Corp., Box 746, Ballimore 3, Md. BEMMILA, ARNOLD (S'48-A'53-M'58), Project Engr., Lenkurt Electric Co., 1105 Old County Rd., San Carlos, Calif.
- Calif.

 HEMMING, CHARLES 8. (A'40-M'55), Dir., Research & Dev., U. S. Plywood Corn., 8 ox 126, Brewster, N.Y.

 HEMMING, GEORGE (A'55), Field Engr., Canadian Marconi Co., Ltd., 2442 Trenton Ave., Montreal, P.Q., Canada. HEMMING, CHARLES 8. (A'40-M'55), Dir., Research & Dev., U. S. Pluwood Corn., Box 126, Brewster, N.Y.

 HEMMING, GEORGE (A'55), Field Engr., Canadian Marconi Co., Ltd., 2442 Trenton Ave., Montreal, P.Q., Canada. HEMMINGER, DOMALD H. (M'56), Project Engr., The Hallicrafters Co., 4401 W.5, Chicago, Ill.

 HEMMYE, JEROME H. (S'52-A'54), Instr., Mechanical Engr., Michigan State Univ., Olds Hall, East Lansing, Mich.

 HEMPEL ROY A. (A'54). Sr. Fleetronics Project Engr.

- Mich.

 HEMPEL, ROY A. (A'54), Sr. Electronics Project Engr.,
 Motorula Research Co., 3012 N. 56 St., Phoenix, Ariz.

 HEMPHILL, ALFRED (M'46), Principal Engr., 8endix
 Radio Div., Towson 4, Md.

 HEMPLING, NORMAN G. (S'57-M'58), Engr., RCA,
 Camden, N.J.

 HEMPSTEAD, CHARLES F. (M'56), Bell Tel. Labs.,
 Murray Hill, N.J.

 HEMPSTEAD, CHARLES F. (M'56), Engr., Test
 Equipment Systems Design, Convair, Box 1011, Pomona,
 Calif.

- cquipment Systems Design, Convair, Box 1011, Pomona, Calif.

 HEMSLEY, ARTHUR L. (S'57-M'59), Environmental Test Engr., Sperry-Utah Engrg. Lab., 322 N. 21 St., W., Salt Lake City 16, Utah.

 HEMSTREET, DOUGLAS C. (A'59), Electronic Personnel Counselor, Engrg. Agency, 209 S. State St., Chicago. III.

 HEMSTREET, HAROLD S. (A'49-M'55-SM'55), Mgr., Engrg. Dev., Link Aviation, Inc., Binghamton, N.Y.

 HENCH, HOWARD S. (M'52), Field Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 HENCK, EARL D. (M'56), Project Engr., Westinghouse Elec. Coro., 80x 1897, Baltimore 3, Md.

 HENDEN, JOHN R. (M'57), Sr. Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 HENDERSHOT, JAMES H. (M'59), Dev. Engr., Research Div., Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

 HENDERSHOT, LAWRENCE R. (S'49-A'55), Mgr., Special Polester, Late.
- HENDERSHOT, LAWRENCE R. (S'49-A'55), Mgr., Special Projects Labs., Avion Div., ACF Industries, Inc.. 800 N. Pitt St., Alexandria, Va.
- Inc. BUU N. Pitt St., Alexandria, va.
 HENDERSON, ANDREW B. (A'41-M'46-SM'50), Tech.
 Staff, Flight Control Lab., Wright Air Development
 Center, Wright Patterson AFB, Ohio.
 HENDERSON, BRUCE G. (A'34), Engr., Head Office,
 New Zealand Broadcasting Service, 27 Majoribanks St.,
 G.P.O. Box 98, Wellington, E. 1, New Zealand.
- HENDERSON, DONALD J. (A'57), Communication Technician, Ontario Hydro, 495 Richmond Rd., Ottawa, Ont... Canada. HENDERSON, DONALD P. (S'50-A'50-M'56), Research Scientist, Govt. Defence Research Board Electronic Labs., Montreal Rd., Ottawa, Ont., Canada.
- HENDERSON, FRANCIS C. (M'52), Asst. Chief Engr., Receiving Tubes, Lansdale Tube Co., Church Rd., Lansdale, Pa.
- HENDERSON, FRANKLIN 8. (S'50-A'52-M'57), Engrg., Supvr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
- Calif.
 HENDERSON, FREDERICK R. (A'58), Engrg. Teacher,
 Northeastern Junior College, Sterling, Colo.
 HENDERSON, HOWARD W. (A'52-M'57), Project Electronics
 Engr., Weapons Control System Labs., McDonnell Aircraft
 Co., 80x 516, 51. Luula, Mo.
- Co., 80x 916, 31. Louls, Mo. HENDERSON, IAN W. (459), Sr. Radio Supt., Dept. Lands & Forests (Radio), Govt. Province of Alberta, 10927 120 St., Edmonton, Alta, Canada. HENDERSON, J. P. (Mr.23-SM 43XL), Retired, 50 Perth St., Ottawa, Ont., Canada. HENDERSON, JACK E. (4/51), Field Engr., Tektronix, Inc., 80x 831, Portland 1, Ore.

- HENDERSON, JOHN E (S'49-A'50-M'55), Test Div. Head, Q.C. Dept., Naval Powder Factory, Indian Head, Md. HENDERSON, JOHN T. (A'28-SM'47-F'51), Principal Research Officer, Natl. Research Council, 100 Sussex Dr., Ottawa, Ont, Canada.
- DT., ULIAWA, UNI., CAINGO.
 HENDERSON, KEITH W. (S'48-A'51-M'56), Mathematical
 Engr., Missile Systems Div., Lockheed Aircraft Corp.,
 3251 Hanover, Palo Alto, Calif.
 HENDERSON, MARTIN C. (A'52-M'57), Mem. Tech.
 Staff, The Ramo-Wooldridge Corp., 8ox 45444, Los
 Angeles 45, Calif.

- Angeles 45, Calif.
 HENDERSON, NORMAN C. (A'57), Tech. Asst., I8M,
 590 Madison Ave., New York 22, N.Y.
 HENDERSON, ROBERT J. (SM'54), Tech. Dir., Ground
 Support Equipment Dept., Martin Co., Baltimore 3, Md.
 HENDERSON, ROBERT P. (S'56-M'57), Engr., Amold
 Research Organization, Juliahoma, Tenn.

- RESEARCH Urganization, IUIIanoma, Jenn.
 HENDERSON, RONALD G. (M*56), F.ngr. Asst., Alberta
 Govt. Telephones, Edmonton, Alta., Canada.
 HENDERSON, ROYA. (A*27-SM*45), Design Engr.,
 RCA Victor Div., Camden, N.J.
 HENDERSON, VALTIN L. (M*46-SM*53), Assoc. Prof.,
 Dept. of Applied Physics, Univ. of Toronto; Toronto,
 Ont., Canada.
- Ont., Canada.
 HENDLER, ARTHUR J. (S'48-A'50-M'58), Sect. Head,
 Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.
 HENDLIN, HERBERT M. (M'58), Gen., Mgr., Douglas
 Microwave Co., Inc., 252 E. 3rd St., Mount Vernon, N.Y.
 HENDRICK, GRANT 8. (M'58), Principal Components
 Engr., Canadian Marconi Co., 2442 Trenton Ave.,
 Montreal, P.Q., Canada.

- Montreal, P. Q., Canada.

 HENDRICK, JAMES, JR. (S'56-M'57), Engr., Autonetics, No. Amer. Aviation, Downey, Calif.

 HENDRICK, ROBERT J. (M'57), Chief Engr., WKCT, 804
 1/2 College St., Bowling Green, ky.

 HENDRICKS, CHARLES D. (M'57), Asst. Prof., Elec.
 Engrg., Univ. of Illinios. Urbana, III.

 HENDRICKS, JAMES T. (A'59), Engra. Coordinator, Northrop Aircraft, Hawthome, Calif.

 HENDRICKS, MELVIN (A'57), Hight Engr., Electro-Data Corp., 460 Sierra Madre Villa, Pasadena, Calif.

 HENDRICKS, PAUL S. (A'26-VA'39), Radio Engr., Natl. Aeronautical Corp., Ambler, Pa.

 HENDRICKS, PAUL S. (A'26-VA'39), Radio Engr., Natl. Aeronautical Corp., Ambler, Pa.

 HENDRICKSON, ARTHUR H. (M'56), Electronics Scientist,

- MENDRICKS, PAUL S. (A'26-VA'39), Radio Engr., Natl. Aeronautical Corp., Ambler, Pa. HENDRICKSON, ARTHUR H. (M'56), Electronics Scientist, Picatinny Arsenal, 81do. 350, TAWL, Dover, N.J. HENDRICKSON, C. CARRYL (SM'55), Sr. Engr., Sylvania Elec. Prods., Iuc., Emporium, Pa. HENDRICKSON, HARDLD S. (A'54), Sr. Electronics Engr., Kaman Aircraft Corp., Old Windsor Rd., Bloomfield, Conn. HENDRICKSON, HERBERT C. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif. HENDRICKSON, HOWARD T. (S'57-M'59), Mem. Patent Staff, Bell Tel. Labs., Murray Hill, N.J. HENDRICKSON, JOHN F. (S'56-M'57), Elec. Engr., MIT Instrumentation Lab., Cambridge 39, Mass: HENDRICKSON, JOHN R., SR. (M'56), Nuclear Radiation Engr., Defense Electronic Prods., RCA, Camden 2, N.J. HENDRICKSON, ROBERT J. (S'54-M'56), Design Engr., Aerojet-Genl. Corp., Sacramento, Calif. HENDRIE, GARDNER C. (M'56), Dev. Engr., RCA, Camden, N.J. HENDRIES, HAROLD J. (SM'55), Sr. Instr., Electronic Engr., Dept., California State Polytechnic College, San Luis Obispo, Calif.
 HENDRIEX, CHARLES E. (4'55-M'58), 6466 W. 84 Pl., 1 os Angeles 45 (-2'1f)

- Luis Unispo, Caiff.
 HENDRIX, CHARLES E. (A'55-M'58), 6466 W. 84 Pl.,
 Los Angeles 45, Caif.
 HENDRIX, C. EUGENE (S'56-M'57), Instrumentation Engr.,
 Vitro Weapons Services, Eglin AFB. Fla.
 HENDRIX, EUGENE R. (M'56), Engr., GE Co., Syracuse
 N.Y.
- N.Y. HENDRIXSON, LEWIS H. (M'52), Genl. Transmission Engr., Bell Tel. Co. of Pennsylvania, 1317 Filbert St., Philadelphia 7, Pa.

- Rell Tel. Co. of Pennsylvania, 1317 Filbert St., Philadelphia 7, Pa.

 HENDRY, ALBERT J. (A'46-M'55), Signal Engr., Northern Pacific Railway Co., St. Paul 1, Minn.

 HENDRY, ARCHIBALD (S'50-A'52-M'58), Asst. Research Officer, Radio & Elec. Engrg. Div., Natl. Research Council, Montreal Rd., Ottawa, Ont., Canada.

 HENDRYX, WARREN B. (S'55-M'59), Electronics Engr., Magnavox Co. Ft. Wayne. Ind.

 HENEY, DJNH F. (M'56), Project Engr., Federal Telecommunication Labs., Nutley 10, N.J.

 HENF, GEORGE (S'56-M'58), Systems Engr., Genl. Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.

 HENGEN, JOHN G., MR. (S'53-M'56), Project Engr., Philoo Corp., 3875 Fabian Way, Palo Alto, Calif.

 HENION, THOMAS T. (S'39-A'54-M'59), Research Assoc., New York Univ. Research, University Hats., Bronx 53, N.Y.

 HENKE, GUSTAVE W. (M'55), Staff Engr., LEL, Inc., 380 Dak St., Copaigue, L.I., N.Y.

 HENKE, WILLIAM G. (M'51-5M'54), Project Engr., Admiral Corn., 3800 Cortland Aue., Chicago 47, Ill.

 HENKEL, ROGER M. (S'56-M'58), Electronics Engr., Convair, 3302 Pacific Hwy., San Diego 11, Calif.

 HENKELS, HERBERT W. (M'53-SM'57), Mgr., Advanced Dev., Semiconductor Div., Westinghouse Elec. Corp., Youngwood, Pa.

 HENKLE, HERMAN H. (A'53), Librarian, The John Crear Library, 86 F. Randolph St., Chicago 1, Ill.
- Dev., Semiconouctor Div., Westinghouse Elect. Cond., Youngwood, Pa.

 HENKLE, HERMAN H. (A'53), Librarian, The John Crear Library, 86 F. Randolph St., Chicago 1, III.

 HENLE, ROBERT A. (A'52-M'57), Sr. Engr., 18M, Poughkeepsie, N.Y.,

 HENLEY, EDWARD J. (A'48), Engr., Western Electric Co., 220 Church St., New York 13, N.Y.

 HENLEY, RICHARD D. (A'43), Owner, Henley Enterprises 2421 S. 7 St., Abilene, Tex.

 HENN, WILLIAM (S'49-A'53-M'58), Research Engr., Bendix Aviation Corp., Teterboro, N.J.

 HENNEBERGER, THOMAS C., JR. (A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Williposity, N.J.

 HENNEKE, JOSEPH T. (A'58), M/Sgt., Electronics Technician, USAF, Hors. North Atlamic AACS Region, APO 862, New York, N.Y.

 HENNEL, JAN (SM'58), Asst. Prof., Warsaw Institute of

- APU 802, New York, N.Y.
 HENNEL, JAN (SM'58), Asst. Prof., Warsaw Institute of Technology, Warszawa, Poland.
 HENNEL, JOSEPH R. (S'49-A'50-M'56), Partner, Engrg.
 Service & Mfg. Co., 2250 N. New York Ave., Evansville, Ind.

- HENNESSEY, CHARLES W. (A'58), Advertising Copywriter, Sanborn Co., 175 Wyman St., Waltham, Mass.
 HENNESSEY, FRANK L. (M'58), Electronics Scientist, Naval Research Lab., Washington 25, D.C.
 HENNESSEY, JOHN E. (M'57), Instrumentation Engr., Martin Co., Baltimore 3, Md.
 HENNESSEY, THOMAS J. (M'56), Assoc. Engr., Lincoln Lab., IBM, 2244 Wood St., Lexington 73, Mass.
 HENNEY, KEITH (A'18-M'26-5M'43-F'43), Consulting Editor, "Nucleonics", McGraw-Hill Publishing Co., Inc., 330 W. 42 St., New York 36, N.Y.
 HENNES, STUART R. (S'44-A'49-M'52), Engr., Granger Associates, 966 Comercial St., Palo Alto, Calif.
 HENNIGE, CARL W. (S'56-M'58), Electronics Design Engr. 8, Aerojet Genl. Corn., Box 1947, Nimbus, Calif.
 HENNING, FREDERICK B., JR. (A'59), Planetarium Technician, Adler Planetarium, Chicago Park District, 900 E. Achsah Bond Dr., Chicago 5, III.
 HENNING, JOHN C., III (S'56-M'57), 2512 Catskill St., Washington 21, D. C.
 HENNING, RUDOLF E. (A'46-M'52), Engrg. Mgr., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.

- St., Washington 21, D.C. HENNING, RUDOLF E. (A'46-M'52), Engrg. Mgr., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla. HENNINGER, JOHN H. (M'56), Chief Engr., WI8G-WIBG-FM, Store Broadcasting Co., Suburban Station Bldg., Philadelphia 3, Pa.

- delphia 3, Pa.

 HENNINGS, HUGO H. (A'53-M'58), Sr. Research Engr., Convair, Pomona, Calif.

 HENNINGS, WILLIAM C. (M'58), Branch Mgr., Melabs, 943 Industrial Ave., Palo Alto, Calif.

 HENNIS ROBERT B. (S'55-A'54), Staff Engr., IBM, Poughkeepsie, N.Y.

 HENRICH, CONRAD A. (A'47), Research Engr., Borg-Wamer Research Center, Wolf & Algonquin Rds., Des Plaines, III.

 HENRICH, GEORGE R. (S'56-A'56), Test Set Technician, Western Electric Co., Laureldale, Pa.

 HENRICHS, MARTIN W. (M'59), Sr. Elec. Engr., Emerson Electric Mig. Co., Bl00 W. Florissant Ave., St. Louis 21, Mo.

 IENRICI, CARL R. (A'45-SM'51), Dir., Texas Mfo.
- 21, MO.
 IIENRICI, CARL R. (6'45-SM'51), Dir., Texas Mfg.
 Div., Collins Radio Co., 1930 HiLine Dr., Dallas 7, Tex.
 HENRICI, JULIUS F. T. (SM'56), Head, Special Dev.,
 Boelkow Entwicklungen K.G., Ottobrunn Bei Munich,
 Germany.
- Germany.

 HENRIKSEN, LESLIE L. (S'57-M'59), Jr. Engr.,
 Raytheon Mfg. Co., Waltham, Mass.

 HENRIKSON, ALAN E. (S'51-A'53-M'57), Project
 Coordinator, Communications Systems, Hughes Aircraft
 Co., 80x 90902, Los Angeles 45, Calif.

- RENRIKSON, ALAN E. (S'51-A'53-M'57), Project
 Coordinator, Communications Systems, Hughes Aircraft
 Co., 8ox 90902, Los Angeles 45, Calif.
 HENRIKSON, FREDERICK R. (A'53-M'58), Elec. Engr.,
 Electric Boak Co., Groton, Conn.
 HENRIKSON, FREDERICK R. (A'53-M'58), Elec. Engr.,
 Electric Boak Co., Groton, Conn.
 HENRION, W.S. (S'55-A'55), Chief Engr., Hesco Engrg.
 Co., 322 E. Beach Ave., Inglewood, Calif.
 HENRIQUES, JOSEPH B. (S'56-M'57), Design Engr.,
 Ford Instrument Co., 30-10 41 Ave., Long Island City 1, N.Y.
 HENRY, A. LUCIUS (A'53-M59), Elec. Engr., Sprague
 Electric Co., 37 Marshall St., North Adams, Mass.
 HENRY, ALBERT T. (A'53), Inventory & Costs Engr., Bell
 Tel. Co. of Pennsylvania, 1835 Arch, Philadelphia 3, Pa.
 HENRY, CHARLES (A'58), Lead Radician, Federal
 Electric Coro., Paramus, N.J.
 HENRY, DAVID E. (S'53-M'53-M'59), Sect. Supvr.,
 Sandia Coro., Sandia Base, Albuquerque, N.M.
 HENRY, DAVID E. (S'53-A'53-M'59), Sect. Supvr.,
 Sandia Coro., Sandia Base, Albuquerque, N.M.
 HENRY, BUVID E., JR. (S'52-A'54-M'59), Research Assoc.,
 Willow Run Labs., Univ. of Michigan, Yosilardi, Mich.
 HENRY, GWN Labs., Univ. of Michigan, Yosilardi, Mich.
 HENRY, GWN Labs., Univ. of Michigan, Yosilardi, Mich.
 HENRY, FRANCIS J. (M'58), Electronics Engr.,
 Sylvania Electronic Defense Lab, Mountain View, Calif.
 HENRY, FRANCIS J. (M'58), Electronics Engr.,
 Sylvania Electronic Defense Lab, Mountain View, Calif.
 HENRY, FRANCIS J. (M'58), Froject Engr., VDSN
 Central Torpedo Office, USNUDOS, Newboort, R. I.
 HENRY, FREDERICK T. (M'53), Sr. Engr., Sylvania
 Elec. Coro., 1405 Parker Rd., Baltimore 27, Md.
 HENRY, GEORGE L., (M'56), Project Engr., Westinghouse
 Elec. Coro., 1405 Parker Rd., Baltimore 27, Md.
 HENRY, JECORGE L. (M'56), Project Engr., Westinghouse
 Elec. Coro., 1405 Parker Rd., Baltimore 27, Md.
 HENRY, JAMES H. (S'13-A'43-M'55), Poject Engr.,
 GE Co., Syracuse, N.Y.
 HENRY, HAROLD E. (S'56-M'58), 608 George St.,
 New Haven, Conn.
 HENRY, JAMES H. (M'37), Cnosultant, 22 Melrose
 Ave., Meedham 92, Mass.
 HENRY, JOSE C. (A'58), Mgr., Kimball Broadcasti

- Downey, Calif.

 HENRY, JOE C. (A'58), Mgr., Kimbail Broadcasting Co.,
 80x 332, Kimbail, Neb.

 HENRY, JOHN A. (M'57), Engrg. Group Leader, Weapon
 Systems Analysis, No. Amer. Aviation, Internati. Airport,
 Los Angeles 45, Calif.

 HENRY, KEITH M., JR. (S'54-A'55), Assoc. Engr., Oak
 Ridge Nati. Lab., Box X, Oak Ridge, Tenn.

 HENRY, RICHARD A. (S'55-M'58), Elec. Engr., Westinghouse Elec. Corp., Hendy Ave., Sunnyvale, Calif.

 HENRY, RICHARD J. (S'55-M'55), Field Service Rep.,
 GE Co., Utica, N.Y.

 HENRY, RICHARD M., JR. (S'50-A'52-M'57), Sales
- HENRY, RICHARD M., JR. (S'50-A'52-M'57), Sales Engr., Westinghouse Elec. Corp., 8ox 1897, Baltimore 3, Md.
- HENRY, ROBERT A. (M¹58), Dev. Engr., Radio Engrg. Prods., Ltd., 1080 University St., Montreal, P.Q., Canada.
- Canaga.

 HENRY, ROBERT L., JR. (A'50-M'55), Genl. Mgr.,

 ACF-Electronics, 1321 Leslie Ave., Alexandria. Va.

 HENRY, THOMAS J. (A'29-M'40-SM'42), Advance

 Dev. Engr., Receiving Tubes, RCA, Harrison, N.J.

 HENRY, THOMAS J. (S'56-M'58), USN, Sandia Base,

 Albuquerque, N.M.

- HENRY, VARICE F. (M'57), Electronics Engr., Dlamond Ordnance Fuze Labs., Washington 25, D.C.

 HENRY, WALTER O. (S'52-A'53-M'5B), Electronics Engre, Div., USCG Hens., 1300 E St., N.W., Washington 25, D.C.

 HENRY, WALTER O. (A'55), Tech. Writer, Electric Boat Div., Groton, Conn.

 HENRY, WILBUR E. (A'51-M'56), Sect. Suøvr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 HENRY, WILFRED L. (S'53-M'57), Sr. Test Engr., Hamilton Standard Div., Windsor Locks, Conn.

 HENS, RUSSELL J. (S'49-A'50), Project Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 HENSCHKE, RICHARD A. (S'47-A'50-M'57-S-M'59).

- HENSCHKE, RICHARD A. (S'47-A'50-M'57-SM'59), Project Engr., Microwave Engrg. Labs., 943 Industrial
- HENSCHKE, RICHARD A. (\$'47-A'50-M'57-SM'59), Project Engr., Microwave Engr., Labs., 943 Industrial Ave., Palo Alto, Calif.
 HENSEL, MARION L. (A'43-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 HENSEL, W. G. (A'30-VA'39-M'53-SM'53), Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.
- HENSELL, ROBERT L. (A'56-M'57), Chief Engr., Systems Div., Developmental Engrg. Corp., 1000 Connecticut Ave., N.W., Washington 6, D.C.
- HENSHAW, CHARLES H. (A'43), Hiran Div., Canadian Aero Service, Ltd., 34B Queen St., Ottawa 3, Ont., Canada.
- HENSLEY, WILLIAM A., JR. (A'44-M'45), Research Observer, Phillips Petroleum Co., 400 W. Frank Phillips Blvd., Bartlesville, Okla.
- HENSON, CLARENCE E. (A'40-M'46), Transmitter Engr., WHAS, 3rd & Liberty St., Lo isville, Ky. HENSON, FRANCIS W. (S'5B-M'59), Instrument Maint. Supvr., Union Carbide Nuclear Co., Box P, Oak Ridge,

- Tenn.

 HENSON, HOWARD W. (M'57), Consultant, Motorola, Inc., 3102 N. 56 St., Phoenix, Arlz.

 HENSON, JAMES A. (A'57), Elec. Designer, J. N. Pease & Co., 119 E. 5 St., Charlotte, N.C.

 HENSON, ROBERT F. (A'54), Electronics Analyst, Dept. of the Air Force, Washington 25, D.C.

 HENSPERGER, EDWARD S. (S'52-A'53-M'56), Chief Engr., Waveline, Inc., Passaic Ave., Caldwell, N.J.

 HENTER, CHARLES R. (S'56-M'58), Electronics Design Engr., RCA, Canden 2, N.J.

 HENTER, VIRCII W. (S'54-M'59), Elight Toet Instruments.
- HENTGES, VIRGIL W. (S'54-M'59), Flight Test Instrumentation Technician, McDonnell Aircraft, Box 516, St. Louis 3, Mo.

- A. Mo.

 HENTHORN, JAMES E. (A'44-SM'53), Principal Engr.,
 Bendix Radio Div., Towson 4, Md.
 HENTZ, ELMER G. (A'50), District Mgr., Dover Elevator
 Co., 3925 Brotherton Rd., Cincinnati 9, Ohio.
 HENUSET, FRANCIS V. (A'57), Lab. Technician, RCA,
 Camden, N.J.
 HENYAN, GEORGE W. (A'20-VA'39-M'55), Consultant,
 T. ube Dept., GE Co., Schenectady, N.Y.
 HENZEL, GEORGE L. (A'57), Pres., Cobehn, Inc.,
 Passaic Ave., Caldwell, N.J.
 HEPBURN, JAMES C. (A'53-SM'58), Design Engr., RCA
 Communications, Inc., 66 Broad St., New York, N.Y.
 HEPBURN, JAMES C. (A'50-M'53), Mgr., Westerm
 Canada Telecommunications Council, 120 E. Cordova
 St., Vancouver 4, B.C., Canada.
 HEPFER, JOHN W. (A'53-M'58), Project Engr., USAF,
- HEPFER, JOHN W. (A'53-M'58), Project Engr., USAF, Hurs., ARDC, Andrews AFB, Washington, D.C. HEPLER, DAVID S. (S'48-A'51-M'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C. HEPPERLE, CURTIS M. (SM'56), Head, Transmitter-Receiver Sect., Hughes Aircraft Co., Culver City, Calif.
- HEPPNER, DONALD R. (S'56-M'57), Project Engr., G & W Electric Specialty Co., 3500 W. 127 St., Blue Island, III.
- HERALD, CHARLES A. (M'57), Asst. Prof., Electronic Engrg. Dept., California State Polytechnic College, San Luis Obispo, Calif.

- Luis Obispo, Calif.

 HERB, JOHN W. (A'48-M'51), Field Engr., Western Electric Co., Winston-Salem, N.C.

 HERBECK, ALLEN E. (S'55-M'57), Design Engr., Martin Co., Orlando, Fla.

 HEPBURN, JAMES T. (A'50-M'53), Mgr., Western Canada Telecommunications Council, 120 E. Cordova St., HEPFER, JOHN W. (A'53-M'58), Project Engr., USAF, Hurs., ARDC, Andrews AFB, Washington, D.C.

 HEPLER, DAVID S. (S'48-A'51-M'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 HEPPERLE, CURTIS M. (SM'56), Head, Transmitter-Receiver Sect., Hughes Aircraft Co., Culver City, Calif.

 HEPPMER, DONALD R. (S'56-M'57), Project Engr., G & W. Electric Specialty Co., 3500 W. 127 St., Blue Island, III.

 HERALD, CHARLES A. (M'57), Asst. Prof., Electronic Engr., California State Polytechnic College, San Luis Obispo, California State Polytechnic College, San Luis Obispo, California State Polytechnic College, San Luis John W., (A'48-M'51), Field Engr., Western

- Lingro, Lept., California State Polytechnic College, San Luis Obispo, Calif.

 HERB, JOHN W. (A'48-M'51), Field Engr., Western Electric Co., Winston-Salem, N.C.

 HERBECK, ALLEN E. (S'55-M'57), Design Engr.,
 Martin Co., Orlando, Fla.

 HERBER, JOHN C. (A'23-SM'45), Electronics Design Super., Tutonetics Div., No. Amer. Aviation, Downey, Calif.

 HERBERT, CLARENCE (S'42-A'43-M'44-SM'46), Sr.
 Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 HERBERT, ENGRED C. (S'51-A'51-M'57), Assoc. Design Engr., Boeing Airplane Co., Renton, Wash.

 HERBERT, HAROLD W. (A'52-SM'58), Design Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 HERBERT, LYNN G. (S'47-A'51-M'56), Project Engr., Westinghouse Elec. Corp., Box 1B97, Baltimore 3, Md.

 HERBERT, MARTIN B. (M'57), Special Rep., Govt. & Industrial Div., Philco Corp., Talbott Bidg., Dayton 2, Ohio.

 HERBERT, NELSON J. (M'53-SM'57), Transistor Dev. Engr., Sub., Dent. Head, Bell Tel. Labs., 555 Union Blud., Allentown, Pa.

 HERBERT, R. BADO (S'57-M'59), 1140 Lake Rd.,

- HERBERT, R. BRAD (\$'57-M'59), 1140 Lake Rd., Webster, N.Y.
- Webster, N.Y.
 HERBERT, THOMAS O. (A'55-M'57), Patent Agent,
 Burroughs Corp., 1737 H St., N.W., Washington 6, D.C.
 HERBERT, WILLIAM J. (S'49-A'51-M'56), Sales Engr.,
 T. Louis Snitzer Co., 7814 Ivanhoe, La Jolla, Calif.
 HERBIG, ARTHUR J. (A'50), Research Engr., RCA Labs.
 DIV., 140 Lake Ave., Riverhead, L.I., N.Y.

- HERBIN, LOUIE (A'4B), Sr. Engr., ITT LABS., Nutley 10, N.J.
 HERBST, ALBERT 0. (S'57-M'59), Asst. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 HERBST, PHILIP J. (M'41-SM'43-F'53), 50 E. Oak
 Ave., Moorestown, N.J.
 HERBSTMAN, MARTIN L. (M'52), Production Engr., W.L.
 Maxson Corp., 460 W. 34 St., New York, N.Y.
 HERBSTREIT, JACK W. (A'40-SM'45-F'5B), Asst. Chief,
 Radio Propagation Engr., Div., Central Radio Propagation
 Lab., Natl. Bureau of Standards, Boulder, Colo.
 HERCHERBOER. HERBERT A. (S'49-A'51-M'56)
- Lab., Natl. Bureau of Standards, Boulder, Colo,
 HERCHENEDER, HERBERT A. (S'49-A'51-M'56),
 Research Asst., Univ. of Connecticut, Stors, Conn.
 HERCHER, FREDERICK J. (A'46), Sect. Engr., J.P.
 Seeburg Corn., 1510 N. Dayton St., Chicago 22, Ili.
 HERCULES, FRANCIS P. (M'59), Sr. Group Engr.,
 McDonnell Aircraft, Box 516, St. Louis 3, Mo.
 HERCZOG, ANDREW (M'5B), Sr. Chemist, Coming Glass
 Works, Coming N. Y.
 HERDE, EDWIN E. (A'56-M'5B), ParInell. Mo.
 HERDMAN, T. LYELL (A'36-M'55), Sr. Inspector Ministry
 of Supply, Electrical Inspection, Directorate, "Aquila",
 Golf Rd., Bromley, Kent, England.

- of Supply, Electrical Inspection, Directorate, "Aquila", Golf Rd., Bromley, Kent, England.

 HERENDEEN, CARL E. (S'54-M'5B), Design Engr., Friden, Inc., Washington Ave., San Leandro, Calif.

 HERENDEEN, OLIVER V. (A'56), Mgr., Customer Engrg., IBM, 423 N. Main St., Evansville, Ind.

 HERGENHAN, ODO (S'4B-A'52-M'55), Sr., Engr., Stavid Engrg., Inc., Plainfield, N.J.

 HERGENROTHER, RUDOLF C. (A'37-VA'39-SM'52-F'56), Lab. Mgr., Raytheon Mfg. Co., Waltham, Mass.

 HERGENROTHER, RUDOLF M. (M'5B), Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 HERIDER, ERNEST D. (A'43-M'47), Radio Engr., FCC, Washington 13, D.C.

 HERIGSTAD, VERNON (S'57-A'57), Publications Engr., Collins Radio Co., Ceder Rapids, Jowa.

 HERING, KARL W. (A'50-M'56), Engr., Perkin-Elmer Corp., Main St., Norwalk, Conn.

 HERITAGE, DONALD P. (A'46-M'55), Head, Radio Branch, USN Electronics Lab., San Diego 52, Calif.

 HERITAGE, JAMES L. (A'49-M'55), Sr. Electronics

- HERITAGE, JAMES L. (A'49-M'55), Sr. Electronics Engr., Smyth Research Associates, 3555 Aero Ct., San Diego, Calif.
- HERKART, PAUL G. (M'46), Engr., RCA Labs., Princeton, N.J. HERKE, FREDERICK P., JR. (S'52-A'55), Electronics Engr., Magnavox Co., 2131 Bueter Rd., Ft. Wayne, Ind. HERKIMER, KENNETH W. (A'59), Sr. Electronics Technician, Interstate Electronics, 707 E. Vermont, Anaheim, Calif.
- Calif.

 HERLING, DONALD L. (S'56-M'57), Project Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III.

 HERLINGER, LOUIS F. (A'52), Project Leader, Mech. Engr., Sect., Hughes Aircraft Co., Culver City, Calif.

 HERLT, BERNARD G., JR. (S'56-M'57), Jr. Engr., Haller, Raymond & Brown, Inc., 124 N. Atherton, State College, Pa. HERMACH, FRANCIS L. (M'56), Elec. Engr., Natl. Bureau of Standards, Washington 25, D.C.

 HERMAN, ELVIN E. (SM'59), Mar., Advanced Day, Hughes
- Bureau of Standards, Washington 25, D.C.
 HERMAN, ELVIN E. (SM'59), Mpr., Advanced Dev., Hughes Aircraft Co., Culver City, Calif.
 HERMAN, EUGENE B. (A'54-SM'57), Asst. Dept. Head, Electronic Systems Dept., Haller, Raymond & Brown, Box 60, State College, Pa.
 HERMAN, FRANK (S'45-A'52-M'56), Research Physicist, RCA Labs., Princeton, N.J.
 HERMAN, HAROLD (A'50-M'55), Electronic Scientist, Naval Research Lab., 4 & Chesapeake Sts., S.W., Washington, D.C.
 HFRMAN HERBERT (SM'57). Lt. Col., USAF. Qtrs.

- Washington, D.C.

 HERMAN, HERBERT (SM'57), Lt. Col., USAF, Qtrs.
 35-B, Maxwell AFB, Montgomery, Ala.

 HERMAN, HOWARD B, (S'57-A'57), Engrg. Aide,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HERMAN, JAMES J, (S'52-A'53-M'58), Sr. Electronics
 Engr., Servomechanisms Group, Convair, Box 1128, San
 Diego 12, Calif.

- Engr., Servomechanisms Group, Convair, Box 1128, San Diego 12, Calif.

 HERMAN, JEROME B. (A/55), Electronics Consultant, Herman's TV Co., 320 E. State, Redlands, Calif.

 HERMAN, JEROME H. (S'52-A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HERMAN, JULIUS (SM'56), Electronics Scientist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 HERMAN, LESTER C. (SM'57), Dev. Engr., RCA, New Holland Pike, Lancaster, Pa.

 HERMAN, NEIL H. (S'58-M'59), Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.

 HERMAN, ROBERT E., JR. (M'56), Staff Engr., Burroughs Corn., Box 1595, Vandenberg AFB, Calif.

 HERMAN, ROBERT E., JR. (M'56), Head Data Automation Branch, U.S. Naval Ordnance Test Sta., China Lake, Calif.

 HERMAN, SIDNEY (A'52-M'57), Engrg. Sect. Head, Waldorf Electronics, Wolf Hill Rd., Huntington Sta., L.I., N. Y.

 HERMANN, PAUL J. (M'56-SM'58), Dev. Engr., Goodyear Aircraft Corn., 12210 Massillon Rd., Akron 15, Ohio.

 HERMANN, PHILL P. E. (M'56), Sr. Engr., Philco Corp., C. & Tioga Sts., Philadelphia 25, Pa.

 HERMANS, MATTHEW E. A. (S'55-M'56), Project Engr., Mey Syder, Mey Syder
- HERMANS, MATTHEW E. A. (S'55-M'56), Project Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- HERMANSORFER, JAMES E. (A'51-M'56), Engr., Sperry Piedmont Co., Charlottesville, Va.
 HERMANSEN, LEE A. (M'58), Chief Engr., Semiconductor Div., Syrague Electric Co., Concord, N. H.
 HERMANSON, KENNETH P. (A'52), Maint. Sup
- HERMELIN, LEONARD S. (SM'53), Mgr., Weapon Systems, Missile Systems Div., Republic Aviation Corp., Mineola, L.I., N.Y.
- HERMELING, GILBERT C., JR. (SM'57), Engr., RCA Victor Div., Camden 8, N.J. HERMIDA, RAYMOND J. (S'49-A'51-M'5B), Asst. Dept. Head, Amma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.
- L.I., N.Y.

 HERMISTON JOHN A. (A'58), Telecommunications Officer, RCAF, Box 246, Greenwood, N. S., Canada.

 HERMON, RALPH (M'54), Equipment Engr., Southwestern Bell Tel. Co., 1010 Pine St., St. Louis 1, Mo.

 HERMSTAD, JAMES A. (S'48-A'51-M'56), Engr., Lockheed Aricraft Copr., Box 504, Sunnyvale, Calif.

- HERN, HOWARD D. (S'53-A'54-M'56), Engrg. Group Head, Collins Radio Co., 1200 N. Alma, Richardson, Tex. HERNANDEZ, FVERETT R. (S'57-M'5B), Electronics Engr., Univ. of California, Scripps Institute of Oceanography, La Jolla, Calif.
- HERNANDEZ, JOSE (A'57), Neutronic Associates, 93-14 101 Ave., Ozone Park 17, L.I., N.Y.
- HERNDAY, RAYMOND H. (M'56), TV Broadcast Engr., The Journal Co., WTMJ-TV. 720 E. Capitol. Milwaukee, Wis. HERNDON, JOHN W. (SM'57), Design Specialist, Martin LERNDON, PAIL W. (SM'57), Design Specialist, Martin HERNDON, PAIL W. (SM'57), PAIL
- Co., Orlando, Fla.
 HERNDON, PAUL H., JR. (A'42-SM'47), Chief, Inspection
 & Examination Div., FCC, 71B Jackson Pl., N.W.,
 Washington, D.C.
- HERNDON, RICHARD A. (S'53-M'56), Design & Dev. Engr., Collins Radio Co., 1930 Hi-Line Dr., Dallas 7, Tex.
- Tex.

 HERNDON, WILLIAM F. (S'53-A'55), Sr. Flight Test
 Engr., Conwair-Astronautics. Box 999, Cocoa Beach. Fla.

 HERNSTADT, WILLIAM H. (S'54-M'5B), Locust Rd.,
 Greenwich, Conn.

 HERO, GEORGE A., III (S'49-A'50), Engr., Comfortair
 Co., 913 Magazine St., New Orleans, La.

 HEROLD, CARL D., JR. (M'5B), Weapon Design Engr.,
 Cormell Aeronautical Lab., Inc., 4455 Genessee St.,

 Buffalo, N.Y.

- DITTAIO, N.Y.

 HEROLD, EDWARD W. (A'30-M'3B-SM'43-F'4B), Dir.

 Electronic Research Lab., RCA Labs., Princeton, N.J.,

 HEROLD, HENRY L. (A'57-M'59), Mgr., Logic Design,

 Computer Lab., GE Co., 951 Commercial St., Palo Alto,

 Calif.
- Cair.

 HEROLD, RUDOLPH R. (M'56), Electronics Engr., USAF, Air Proving Ground Center, Eglin AFB, Fla.

 HERON, DAVID J. (S'50-A'51-M'56), Head, Range Analysis Branch, Pacific Missile Range, Point Mugu. Calif.

 HERR, CARL E. (A'53), Transformer Design Engr., Westinghouse Elec. Corp., Box 231, Greenville, Pa.

- inghouse Elec. Corp., Box 231, Greenville, Pa.
 HERR, DONALD L. (SM'46), Pres. -Owner, Mark Instrument
 Co. Inc., 240 Alta Ave., Santa Monica, Calif.
 HERR, FRED J. (M'58), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.
 HERR, JOSEPH R. (A'53-M'58), Sr. Engr., Electronic
 Defense Lab., Sylvania Elec. Prods., Inc., Box 205,
 Mountain View, Calif.
 HERR, ROBERT F. (SM'50), V.P., Philoc Corp., Tioga &
 C Sts., Philadelphia 34, Pa.
 HERRE, JOHN L. (M'57), Mgr., Govt. & Special Accounts
 Sales, Semiconductor Div., Raytheon Mfg. Co., Needham
 Heights, Mass.
- rieignts, Mass.

 HERREN, ROBERT A., SR. (M'52), Head, Tech. Services
 Dept., Tektronix. Inc., Box B31, Portland 7, Ore.

 HERRERA, EDWARD A. (S'57-M'57), Field Service Engr.,
 Computer Dept., GE Co., Black Canyon Hwy, Phoenix,
 Ariz.
- HERRERA, JOHN C. (A'45-M'55), Asst. Div. Leader, Elec. Engrg., High Voltage Engrg. Corp., S. Bedford Rd., Burlington, Mass.
- HERRERO, MARIANO C. (S'52-A'53-SM'56), Consultant Engr., Battelle Institute, Vallehermoso 1B, Madrid, Spain HERRICK, HORACE S. (M'56), Asst. Genl. Mgr., Elec-tronics Div., Erie Resistor Corp., 644 W. 12 St., Erie, Pa.
- Parison Str., terkensisto Collet, 944 W. 12 St., crie, Parison Str., terkensisto Collet, 944 Mayo Clinic & Mayo Foundation, Rochester, Minn.

 HERRICK, KENNETH P. (A'55-M'58), Field Engr., RCA Service Co., Camden, N. J.

 HERRICK, R. H. (A'35-M'42-SM'43), Supt., Lorain County Radio Corp., 203 9 St., Lorain, Ohio. County Radio Corp., 203 9 St., Lorain, Ohio. HERRICK, THADDEUS A., JR. (M'55), Atlas Program Planning & Control, Space Technology Labs., 5730 Arbor Vitae St., Los Angeles 45, Calif.

 HERRIES, DONALD G. (M'57), 6908 Hancock Ave., St. Louis 9, Mo.

 HERRIN, CARLOS B. (M'57), Froject Engr., Crosley Div., AVCO, 1329 Arlington, Cincinnati 25, Ohio.

 HERRING, F. GEORGE (M'57), Sr. Engr., Hazeltine Electronics Corp., 59-25 Little Neck Pkw., Little Neck, L.I., N.Y.

- N.Y.
 HERRING, HUGH S. (SM'56), Mgr., Test Services, Titan
 ICBM Project, Martin Co., Cocoa, Fla.
 HERRING, JUHN (A'55), Pres., John Herring & Co., Ltd.,
 3468 Dundas St., W., Toronto 9, Ont., Canada.
 HERRING, JUHN J., III (S'56-M'59), Service Engr.,
 Minneapolis-Honeywell Regulator Co., 2737 Linwood,
 Shreveport, La.
- HERRING, MACK J. (A'55), TV Engr., WBTW, Florence,
- HERRING, OREN L., JR. (S'50-A'51-M'56), Assoc. Prof., The Citadel, Charleston, S.C. HERRING, ROBERT A., JR. (A'41-M'55), Prof., Elec. Engrg. & Head of Dept., Univ. of Mississippi, University, Miss.
- Miss.

 HERRING, ROBERT W., JR. (S'55-M'57), Electronics Engr., Radiation, Inc., Melbourne, Fla.

 HERRIOTT, JEAN K., JR. (4/54), Group Leader, SAC ECM Test & Tactics, RCA Govt. Service, Lockbourne AFB, Box 1, Groveport, Ohio.

 HERRIN, JACK M. (S'57-M'58), Jr. Elec. Engr., Hughes Aircraft Co., Culver City, Calif.

 HERRMAN, ROBERT F. (A'49-M'55-SM'5B), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y.

- HERRMANN, DONALD C. (S'50-A'51-M'57), Radio Advance Dev. Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.
- HERRMANN, FRANCIS J. (A'43-M'57-SM'53), Mgr., Scientific Instruments, RCA, Camden 2, N. J. HERRMANN, FRANK (4'30-M'51), Office Engr. & Designer, City Water Dept., 202 Municipal Bidg., Oklahoma City 2, Okla.
- UNIA.

 HERRMANN, GUENTHER M. (M'53-SM'53), Mgr., Mfg.
 Tube-Semiconductor Div., Telefunken, Soeflinger Str.,
 Ulm-Donau, Germany.
 HERRMANN, JOHN E. (A'52-M'58), Sect. Head, Design &
 Dev., Minneapolis-Honeywell Regulator Co., Wayne &
 Windrim Aves., Philadelphia 44, Pa.
- HERRMANN, NOEL P. (A'43-M'55), Electronics Engr., Aircraft Radio, Eastern Air Lines, Inc., 4502 N.W. 36 St., Miami, Fla.

- 215 -HER-HEY

- HERRMANN, PHILLIPP A. (A'58), Field Training Supvr., Federal Electric Corp., Industrial Park, Paramus, N.J. HERRMANN, ROBERT H. (A'58), V.P., Sales, Grace Elec-tronic Chemicals, Inc., 101 N. Charles St., Baltimore 1, Md.
- Md.

 HERRMANN, RUDOLPH W. (M'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 HERRMANN, WILLIAM E. (A'59), 5509 Alson Dr., Norfolk B, Va.

 HERRMANN, WILLIAM J. (SM'57), Mgr., Govt. & Industrial Sales, Bulova Watch Co., Bulova Pk., Flushing 70, L.I., N.Y.
- HERRNFELD, FRANK P. (A'44-SM'45), Pres. & Genl. Mgr., Frank Herrnfeld Engrg. Corp., 5716 Camille Ave. Culver City, Calif.
- HERROD, RICHARD A., JR. (M¹55), Engrg. Mgr., Southwestern Industrial Electronics Co., Box 13058, Houston, Tex.
- Tex.

 HERRON, JOHN R. (SM'55), Project Mgr., Bendix Aviation Coro., 11600 Shemnan Way, North Hollywood, Calif.

 HERRON, RUSSELL G. (S'50-A'51-M'57), U. S. Naval Officer (Physicist), U. S. Naval Nuclear Ordnance Evaluation Unit, Kirtland AFB, Albuquerque, N. M.

 HERRST, LEONARD R. (S'55-M'56), Field Engr., Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 HERSCH, WALTER (S'56-M'57), Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N. Y.

 HERSCH, WOLFCANG (M'50), Sr. Project Engr., E. M. I.
 Engrg. Development, Ltd., Blyth Rd., Hayes, Middlesex, England.

 HERSCHER, MARVIN B. (A'54), Eng. Doc. 2004.
- HERSCHER, MARVIN B. (A154), Engr., RCA, Camden,
- HERSH, ARTHUR I. (S'54-A'55-M'57), Sr. Engr. Missile Systems Lab., Sylvania Elec. Prods., Inc. Waltham, Mass.

- Missile Systems Lab., Sylvania Elec. Prods., Inc., Waltham, Mass.

 HERSH, HAROLD J. (SM'53), Electronics Engr., U. S. Army Signal Research & Development Lab., Belmar, N.J.

 HERSH, JOHN F. (S'42-A'44-M'55), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 HERSH, MORRIS (S'51-A'52-M'57), Project Engr., System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.

 HERSHBERGER, W. D. (A'37-SM'45-F'54), Prof. Engr., Univ. of California, Los Angeles 24, Calif.

 HERSHBERGER, WILLIAM O., JR. (A'38-M'55), Maint., Internati. Broadcasting Service, (VOA), U. S. Information Agency, Washington, D.C.

 HERSHENOV, BENNARD (S'57-M'59), Research & Dev. Engr., GE Co., Schenectady, N. Y.

 HERSHENSON, LAWRENCE H. (A'52-M'57), Production Engr., RCA, Lancaster, Pa.

 HERSHFILD, LOVIS L. (A'48-M'55), Mor. Philos

- Guidance Sect., Motorola, Inc., 3102 N. 36 St., Pridentx, Ariz.

 HERSHFIELD, LOUIS L. (A'48-M'55), Mgr., Philico Corn., 4700 Wissahickon, Philadelphia 44, Pa.

 HERSHFIELD, SANFORD (A'43-M'45-SM'49), Project Engr., Martin Co., Baltimore, Md.

 HERSHKOWITZ, BERNARD (S'55-A'56), Engra. Aide, Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 HERSHKOWITZ, PHILIP (M'57), Electronics Engr., Republic Aviation Corn., 233 Jericho Toke., Mineola, L.I., N.Y.

 HERSHKOWITZ, PAILIP (M'57), Electronics Engr., Republic Aviation Corn., 233 Jericho Toke., Mineola, L.I., N.Y.

 HERSHOFF, LEONARD (SM'56), Dev. Engr., RCA, Harrison, N.J.

 HERSHOWITZ, DAVID 8. (S'55-M'58), Engr., Arma Div., Garden City, L.I., N.Y.

 HERSHOWITZ, STELDON 8. (S'55-M'56), Production & Refinement Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HERSHOWITZ, SHELDON 8. (S'55-M'56), Electronics Scientist, Air Force, Cambridge Research Center, Hanscom AFB, Bedford, Mass.

- HERSON, JACOB L. (A'36-M'48), Electronics Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

- Spring, Md.

 HERST, RICHARD J. (S'46-A'48-M'55), Dept. Head, Components & Reliability Dept., Motorola, Inc., 1450 N. Cicero, Chicago 51, III.

 HERTEL, PAUL, JR. (S'50-A'53-M'58), Staff Engr., Collins Radio Co., 1930 HiLine Dr., Dallas, Tex.

 HERTER, VICTOR E., JR. (M'53-SM'57), Sr. Engr., Radioplane Div., 8000 Woodley Ave., Van Nuys, Calif. HERTSCH, GEORGE J. (S'41-A'45-M'55), Physicist, Francis Delafield Hospital, 99 Ft. Washington Ave., New York 32, N. Y.
- York 32, N.Y.

 HERTZ, JOHANN A. (A'57-M'57), Chief Engr., Electronics
 Dept., Brown Boveri S. A., Rio de Janeiro, Brazil.

 HERTZ, KEITH L. (S'52-A'55), Genl. Mgr., American
 Development Electronics Co., 210 Central Ave., Newark 3,
 N.J.
- HERTZ, ROBERT G. (M'56), Engr., Stavid Engrg., Inc., Hwy. 22, Plainfield, N.J. HERTZ, SEYMOUR (A'54), Engr., CBS-TV, 524 W. 57 St. New York, N.Y.
- St.. New York, N.Y. HERTZBERG, ARTHUR (A'43-M'55), Plant Mgr., Davis Prods., Inc., 7765 Lemona Ave., Van Nuys, Calif. HERTZBERG, ISAIAH (M'59), "A" Engr., RCA, Camden 2,
- HERTZBERG, JOSEPH M. (M'49), V.P., Defense Mktg.,

- N.J.

 HERTZBERG, JOSEPH M. (M'49), V.P., Defense Mktg., RCA, Camden, N.J.

 HERTZBERG, ROBERT E. (A'46), Tech. Publications Consultant, 241-16 Alemeda Ave., Douglaston 62, L.I., N.Y.

 HERTZOG, WALTER K. (A'48-M'155), Electronics Engr., Magnavox Co., Ft. Wayne., Ind.

 HERUD, ERIC C. (A'50-M'55), Sr. Engr., Allen 8. DuMont Labs., Inc., 750 Bloomfield Ave., Clifton, N.J.

 HERVEY, JOHN P. (A'27-VA'39-M'55), Sr. Electronics Engr., Rockefeller Institute, 80x 745, Woods Hole, Mass.

 HERWALD, SEYMOUR W. (SM'52), V.P., Research, Westinghouse Elec. Corp., Fittaburgh 35, Pa.

 HERZ, ERIC (M'56), Sr. Research Engr., Convair-Astronautics, 80x 1128, San Diego, Calif.

 HERZ, GEORG (S'57-M'59), Engr., Standard Electric, Rio de Janeiro, Brazil.

 HERZ, HRACLD L. (A'53-M'58), Sr. Electronics Engr., Norden Labs., Div., United Aircraft Corp., 58 Commerce Rd., Stanford, Corn.

 HERZ, HERBERT (S'48-A'49-M'55), Pres., Magnetic Amplifiers, Inc., 632 Tinton Ave., New York 55, N.Y.

- HERZBERG, ERWIN N. (A'51-M'56), Research Engr., State of Israel, Box I., Kiryat-Motzkin, Haifa, Israel, HERZBERG, ROBERT F. (S'50-A'52-M'57), Electronics Engr., USAF Cambridge Research Center, Hanscom AFB, Bedford, Mass.
- HERZEL J. GARCH CAMPUTUGE KESEARCH CENTER, HANSCOM AFB, Bedford, Mass.

 HERZEL J. JAMES S. (S'57-M'59), Engr., Arna Div., American Bosch Arma Corp.. Garden City. L.I., N.Y. HERZER, IVO (M'58), Staff Engr., Columbia Univ. Research Labs.. 632 W. 125 St., New York 27, N.Y. HERZER, WILLIAM P. (S'56-M'59), Elec. Engr., ITT Labs.. Nutley 10, N.J. HERZELD, FRED (S'58-M'59), Mem. Tech. Staff, RCA Labs.. Princeton, N.J. HERZELD, GEORG M. (M'59), Link Aviation Plant 1, Hillorest, Binghamton, N.Y. HERZELD, VALERIUS E. (S'53-A'54), Mgr., On-Line Systems Dept., Remington Rand Univac, St. Paul 16, Minn.

- Minn.

 HERZIG, DOUGLAS F. (S'53-M'56), Tech. Engr., IBM, 1701 North St., Endicott, N.Y.

 HERZOG, ADOLPH W. (M'56), Project Scientist, U. S. Naval Training Devices Center, Port Washington, L.I., N.Y.

 HERZOG, EDGAR E. (S'49-A'50-M'56), Sales Engr., GE Co., Syracuse, N.Y.

 HERZOG, EDWARD F. (A'41-SM'48), Mgr., Engrg., GE Co., HMED, Syracuse, N.Y.

 HERZOG, GERALD B. (S'50-A'52-M'57), Research Engr., RCA Labs. Div., David Sarnoff Research Center, Princeton, N.J.

- REALUS, LENALD B. (3:30-A:32-M:57), Research Engr., RCA Labs. Div., David Sarnoff Research Center, Princeton, N.J.

 HERZOG, GERHARD (SM'46-F'55), Asst. Geni, Mgr., Research & Tech. Dept., The Texas Co., Box 425, Bellaire, Tex.

 HERZOG, WALTER F. (A'50), Flight Test Experimental, USAF, Wright-Patterson Air Force Base, Ohio.

 HERZOG, WALTER F. (C'50-M'58), Jr. Engr., Research & Dev., Collins Radio Co., Cedar Rapids, Iowa.

 HERZOG, WILLIAM E. (S'54-M'56), Jr. Regr., Research & Dev., Collins Radio Co., Cedar Rapids, Iowa.

 HESGARD, NORMAN A. (S'53-M'56), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 HESKEL, JOSEPH H. (M'58), Electronics Engr., Telemeter Magnetics, Inc., 2245 Pointius, Los Angeles 64, Calif.

 HESKETT, HARRY E. (M'52), Assoc., The Moore School, Univ. of Pennsylvania, 200 S. 33 St., Philadelphia 4, Pa.

 HESLOP, MOYLEN D. (S'55-M'57), Design Engr., Sylvania Electronics Defense Lab., Box 205, Mountain View, Calif.

 HESS DAVID C. (A'43-M'55), Physicist, Argonne Natl.

 Labs., Box 299, Lemont, Ill.

 HESS, DONALD T. (S'56-M'59), 85-01 79 St., Woodhaven 21, L.I., NY.

 HESS, EDTH M. (M'59), Special Analyst, Telecomputing Corp., Box 447, Holloman AFB, N.M.

 HESS, FREDERICK R. (A'59), Engr. Technician, Litton Industries, 4900 Calbert Rd., College Park, Md.

 HESS, CREALD (S'56-M'58), T., Engr., IBM, Owego, N.Y.

 HESS, HARRY J. (M'57), Electronics Engr., Fernmeld-etechn. Zentralamt Darmstadt, Sect. Ionosphere, Breisach, Germany.

 HESS, HARRY J. (M'57), Electronics Engr., U.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.
- Germany.

 HESS, HARRY J. (M'57), Electronics Engr., U.S. Army
 Electronic Proving Ground, Ft. Huachuca, Ariz.

 HESS, HOWARD M. (A'35-M'47-SM'59), Assoc. Dean,
 College of Engrg., Wayne State Univ., Detroit 2, Mich.

 HESS, JOSEPH C., III (A'54), Sales Engr., IBM, 425 Park
 Ave., New York 22, N.Y.

 HESS, LEONARD (A'56), Field Engr., The Reflectone
 Corp., Boston Post Rd., Stamford, Conn.

 HESS, PHILIP N. (S'50-A'51-M'55), Research Assoc.,
 GE Co., Schenectady, N.Y.

 HESS, RICHARD C. (S'43-A'45-M'53), Sales Mgr.,
 Microlab, 71 Okner Pkwy, Livingston, N.J.

 HESS, WILLIAM J. (S'53-A'55), Engr., RCA, Moorestown,
 N.J.

- N.J.

 HESSE, ALEXANDER N. (A'38-VA'39-M'55), Chmn.,
 Related Tech. Subjects, Queens Vocational High School,
 37-02 47 Ave., Long Island City, N.Y.

 HESSE, ARTHUR W. (A'51-M'56), Project Engr., USAF,
 Wright-Patterson AFB, Ohio.

 HESSE, GEORGE L. (A'45-SM'58), Sr. Electronics Engr.,
 Fairchild Astrionics Div., Straight Path, Wyandanch, L.I.,
 N.Y.

- Fairchild Astrionics Div., Straight Path, Wyandanch, L.I., N.Y.

 HESSE, HENRY R. (M'50-SM'56), Dev. Engr., Federal Telecommunication Labs., Nutley 10, N.J.

 HESSE, HENRY R. (A'53-M'53), Operations Research Specialist, GE Co., Somersworth, N.H.

 HESSE, JOHN F. (M'55), Chief Elec. Engr., Imperial Irrigation District, Imperial, Calif.

 HESSE, M. HARRY (S'50-A'56-M'56), Analytical Engr., GE Co., Schenectady, N.Y.

 HESSE, VICTOR L. (S'55-M'56), Engrg, Supvr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 HESSEL, ALEXANDER (S'52-M'54), Research Assoc., Microwave Research Institute of Brooklyn 55 Johnson St., Brooklyn, N.Y.

 HESSEL, JOHN (A'31-VA'39-SM'48-F'53), Chief, Electronics Sect., NATO Internatl. Staff, Palais de Chaillot, Paris XVI, France.

 HESSELBERTH, WILFRED M. (A'41-M'55), Prof., Elec. Engr., Purdue Univ., Lafayette, Ind.

 HESSECRAVE, DOR H. (M'55-SM'57), Project Engr., Lenkurt Electric Co., 1105 Old County Rd., San Carlos, Calif.

- Calif.

 HESSEMER, ROBERT A. JR. (S'48-A'50-M'55), Prof., Elec. Engrg.. Univ. of Arizona, Tucson, Ariz.

 HESSER, CALVIN B. (M'53), Sales Engr., Sylvania Elec. Prods., Inc., 2001 N. Cornell Ave., Melrose Park, III.

 HESSLER, JOHN, JR. (S'49-A'50-SM'56), Microwave Consultant, ECM Lab., 1TT Labs., 3700 E. Pontiac St., Fl. Wayne, Ind.

 HESSLER, ORVILLE G. (SM'53), Mgr., Electronic Systems Design Div., Sears, Roebuck & Co., 925 S. Homan Ave., Chicago 7, III.

 HESSLER, WILLIAM G., JR. (S'46-A'48-M'55), Dev.
- HESSLER, WILLIAM G., JR. (S'46-A'48-M'55), Dev. Engr., Western Electric Co., Hawthorne Sta., Chicago 23, III.
- III.
 HESTER, FRANK A. (SM'51), Pres., Clairex Corp., 50 W. 26 St., New York 10, N.Y.
 HESTON, WILLIAM S. (M'46), Mgr., Erie-Niagara Falls Territory, GE Co.. 44 Falls St., Niagara Falls, N.Y.
 HESTOR, KENNETH L. (A'42-M'55), Chief Engr., WERC Broadcasting Corp., Robison Rd., Erie, Pa.

- HETCHLER, LESTER F. (S'50-A'52-M'5/), Advanced Dev. Engr., X-Ray Dept., GE Co., 4855 Electric Ave., Milwaukee 1, Wis.
- 1, Wis.
 HETHERINGTON, FREDERIC E. (M'57), Elec Engrg. Dept.,
 Royal Military College, Kingston, Ont., Canada.
 HETHERINGTON, G. VICTOR (A'46), Instrument Engr.,
 Westinghouse Elec. Corp., 3001 Walnut St., Philadelphia 4, Pa.

- delphia 4, Pa.
 HETHERINGTON, JAMES S. (S'57-M'59), Elec. Engr.,
 Alloyd Research Corp., Watertown, Mass.
 HETHERINGTON, ROLFE W. (S'56-A'57), Lab. Technician,
 The Daven Co., Re. 10, Livingston, N.J.
 HETLAND, GOERGE, JR. (S'54-M'56), Mem., Sr. Staff,
 Space Technology Labs., Box 95001, Los Angeles 45,
 Calif.
- Calif.

 HETLAND, JULIUS M. (A'31-VA'39), Tech. Dir., WDAY, Inc., Fargo, N. D.

 HETLINGER, FORREST J. (S'49-A'50-M'55), Project Staff Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

- Staff Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 HETRICH, GEORGE R. (M'57), Electronics Engr., Westinghouse Elec. Corp., Box. 746, Baltimore 3, Md.

 HETTICH, JOHN J. (S'54-M'55), Research Engr., Hughes Aircraft Co., Culver Citv. Calif.

 HETTICH, ROBERT E. (S'49-A'51-M'56), Fngr., Raytheon Mig. Co., Mayard, Mass.

 HETTICH, RONALD D. (S'56-M'58), 34 Linwood Dr., Snyder 21, N.Y.

 HETTINGER, MATHIAS (S'48-A'51), Asst. Prof., Engr., Univ. of Buffalo. Buffalo 14. N.Y.

 HETTINGER, STUART (S'50-A'53-M'58), Dev. Engr., Kaman Aircraft Co., Bloomfield, Conn.

 HETZEL, GREGOR L. (S'51-A'52-M'57), Mem. Tech. Staff, Gell Tel. Labs., Whippany, N.J.

 HEUCHLING, THEODORE P. (SM'56), V.P. & Chief Engr., Feedback Controls, Inc., 899 Main St., Waltham, Mass. HEUR, CHARLES H. (M'53), Engr., Zenith Radio Corp., 6001 W. Dickens, Chicago, Ill.

 HEUSTON, THOMAS J. (S'57-M'59), Engr., Research & Dev., ITT Labs., Nutley 10, N.J.

 HEVESH, AVERY H. (4'50-M'55-SM'57), Reliability Engrg. Sect. Head, Raytheon Mig. Co., Wayland, Mass.

 HEWETT, CHARLES W. (S'58-A'55), Research & Dev. Engr., Stromberg- Carlson Co., 1400 N. Goodman St.

- HEWETT, CHARLES W. (S'58-A'59), Telemetry Technician, RCA, Patrick AFB, Fla.
 HEWITT, CARLTON G. (S'55-M'56), Research & Dev. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y.
 HEWITT, CHESTER D. (A'42-M'58), Consultant, 60 Harmon St., Hamden 17, Conn.
 HEWITT, EDWARD C. (M'56), Instr. in Engre., Pennsylvania State Univ. Ext., Ogontz Center, Pa., & Research Assoc., Physics Dept., Temple Univ., Philadelphia, Pa.
 HEWITT, EDWARD W. (S'50-A'52-M'57), Mem. Tech. Staff, Space Tech. Labs., Los Angeles 45, Calif.
 HEWITT, GENE J. (S'56-M'58), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church. Va.
 HEWITT, GEORGE E. (SM'56), Pres., Radiatronics, Inc., 5956 Kester Ave., Van Nurys, Calif.
 HEWITT, JOHN E. (A'54), Engre. Consultant, Abrams Instrument Corp., 600 E. Shiawassee, Lansing 1, Mich.
 HEWITT, L. GILMORE (A'44-M'45), Dev. Engr., WHAS, Inc., 6 & Broadway, Louisville, Ky.
 HEWITT, TOM N. (S'47-A'52-M'56), Sales Engr., Custom Music of Dallas, Inc., 3214 Oak Lawn Ave., Dallas 19, Tex. HEWLETT, WILLIAM R. (S'35-A'38-SM'47-F'48), Exec. V.P., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
- HEXEM, JOHN (S'39-A'41-M'55), Chief Engr., The Belleville-Hexem Corp., 638 University Ave., Los Gatos, Calif.
- HEYBROEK, CHRISTIAAN J. (A'57), Elec. Engr., Sperty Gyroscope of Canada, Cote de Liesse, Montreal, P.Q., Canada.
- Canada .

 HEYCK , HANS D . (M'55) , Project Engr. , Transitron Electronic Corporation , 168 Albion St. , Wakefield , Mass .

 HEYD , JOSEF W . (A'44-SM'51) , Research Group Leader , Mound Lab. , Monsanto Chemical Co. , Miamisburg , Ohio .

 HEYDA , KENNETH C . (S'57-M'59) , Mem. Analytical Research Dept. , Genl . Telephone Labs. , Inc. , Box 17 , Northlake , III .
- HEYDE, HERBERT C. (M'51), Factory Mgr., Bendix Aviation Corp., Kansas City Div., Box 1159, Kansas City 41, Mo.
- Mo.
 HEYDEN, JOHN F. (S'58-A'58), Salesman, Electronic
 Supplies, Inc., 2345 Sherman Ave., Washington, D.C.
 HEYDORN, RICHARD P. (S'56-M'59), Dev. Engr., Goodyear
 Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 HEYER, E. MARGUERITE (A'54), Engr., RCA, Moorestown,
- HEYER, E. MARGUERITE (A'54), Engr., RCA, Moorestown, N. J.

 HEYLIGER, GEORGE E. (S'50-A'51-M'56), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5730 Arbor Vitae, Los Angeles 45, Calif.

 HEYMAN, BENGT C. (M'58), Lab. Mgr., Avionics Lab., Saab Aircraft Co., Box 5042, Goeteborn H. Sweden.

 HEYMAN, EUGENE R. (A'56), Electronics Technician, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 HEYMAN, HENRY (SM'52), Alternate Div. Leader, Los Alamos Scientific Lab., Los Alamos N. M.

 HEYMAN, HENRY (G'57), Amateur Radio Operator, 3215

 Octavia 51., New Orleans 25, La.

 HEYNE, HANS E. (SM'56), Pres., Telefunken Gmbh, 71

 Sickingenstrasse, Berlin N.W., 87, West Germany.

 HEYNE, JAY B. (SM'58), Research Physicist, Hughes Aircraft Co., Culver City, Calif.

 HEYNE, MILTON W. (M'57), Tech. Rep. Contract Supvr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 44, Pa.

- Pa.

 HEYNING, JOAN M. (M'5B), Mem. Tech. Staff, Hughes Prods., 5261 Imperial D1.d., Los Ángoles 45 Calif.

 HEYS, DONALD M. (S'55-M'56), Budget Co-ordinator, Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.

 HEYSER, RICHARD C. (S'52-A'53-M'5B), Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena 3, Calif.

- HEYWOOD, NORMAN A. (S'55-M'58), Electronics Engr., U.S. Naval Ordnance Lab., Corona, Calif HIATT, EUGENE V. (M'59), Electronics Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex. HIATT, HARROLD E. (M'59), Instr., Transistors Theory, Valoaraiso Technical Institute, Valoaraiso, Ind. HIATT, RALPH E. (M'47-SM'59), Assoc. Head, Radiation Lab., Univ. of Michigan, 912 N. Main, Ann Arbor, Mich. HIATT, WILLIAM R. (M'55), Elec. Engr., GE Co., Utica, N.Y.
- Jersey Production Research Co., 1133 N. Lewis, Tulsa, Okla.
- HIBBARD, LEONARD U. (A'42-M'55), Sr. Research Engr., Research School of Physical Sciences, Austrailian Natl. Univ., Canberra, Austrailia.
- HIBBARD, WILLIAM D., JR. (A'51-M'56), Electronics Engr., Naval Ordnance Lab., White Oak, Silver Spring, Md.
- HIBBEN, AL T. (A'54-M'58), Telemetry Group Chief, White Sands-Holloman Div., Land-Air, Inc., Box 394, Holloman, N.M.

- HIBBEN, AL. T. (A'54-M'58), Telemetry broup unier, write Sands-Holloman Div., Land-Air, Inc., Box 394, Holloman, N.M.

 HIBBERD, ROBERT G. (SM'56), Sect. Head, Research Lab., Semiconductor Devices & Circuits Sect., BTH Co., Ltd., Rugby, Warwick, England.
 HIBBERT, JOHN J. (A'43-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 HIBBETT, ROBERT M. (M'58), Asst. Engr., Stavid Engrg. Co., Rte. 22, Plainfield, N.J.
 HICE, LARRY C. (A'56), Engr., Developmental Engrg. Corp., 1000 Connecticut Ave., N.W., Washinaton, D.C.
 HICKEN, JAMES (A'43-M'48-SM'50), Pres., Chief Engr., Systems Dev., Inc., 307 Water St., Binghamton, N.Y.
 HICKERSON, JOHN E. (A'51-M'56), Dev. Engr., Engrg. Lab., IBM, Lexington, Ky.
 HICKERSON, ROBERT L. (S'53-A'54), Communications Officer, Tahoe Natl. Forest, Nevada City, Calif.
 HICKEY, HENRY V. (M'58), 327 Southside Rd., Virginia Beach, Va.
 HICKEY, JAMES R. (A'53), Chief, Engrg. Dev. Sect., USAF, Rome Air Development Center, Griffiss AFB, N.Y.
 HICKEY, JAMES R. (A'56), Elec. Engr., The Ramo-Wooldridge Corp., Inglewood, Calif.
 HICKEY, JOHN H. (SM'56), Chief Engr., U. S. Naval Training Device Center, Port Washington, L.I., N.Y.
 HICKEY, JOHN H. (SM'56), Chief Engr., U. S. Naval Training Device Center, Port Washington, L.I., N.Y.
 HICKEY, JOHN H. (SM'56), Chief Engr., U. S. Naval Training Device Center, Port Washington, L.I., N.Y.
 HICKEY, JOHN H. (SM'56), Research Engr., Boeing Airplane Co., Wichita, Kan.
 HICKEY, ROBERT E. (S'56-M'59), Field Engr., Hughes Aircraft Co., Culver City, Calif.

- HICKEY, ROBERT E. (S'56-M'59), Field Engr., Hughes Aircraft Co., Culver City, Calif. HICKLEY, THOMAS J. (A'39-SM'47), Chief, Electronics Lab., U. S. Coast & Geodetic Survey, Washington 25, D.C. HICKLIN, WILLIAM H., JR., (A'46-M'57), Transmitter Engr., Jefferson Standard Broadcasting Co., WBT, 1 Jeffer-son PI., Charlotte, N.C.
- HICKMAN, DAVID M. (M'56), Design Engr., Dept. of Bio-physics, College of Medicine, Baylor Univ., 1200 M. D. Anderson, Houston 25, Tex. HICKMAN, DEAN D. (S'54-A'55), Transistor Circuits Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills,
- Calif.

 HICKMAN, DONALD A. (S'54-M'56), Systems Engr., Lacrosse, Martin Co., Orlando, Fla.

 HICKMAN, JOHN E. (S'52-A'53), Chief Engr., Kaiser Aircaft & Electronics, 2222 W. Peorla, Phoenix, Arlz.

 HICKMAN, ROGER W. (A'2B-SM'45), Lecturer, Applied Physics, Dir., Lyman Lab. of Physics & Jefferson Physical Lab., Harvard Univ., Cambridge 3B, Mass.

 HICKMAN, ROY S. (S'50-A'51-M'58), Engr., RCA, Patrick AFB, Fla.

 HICKMAN, WALLACE C. (S'49-A'50-M'58), Project Engr., Amperex Electronic Co., 230 Duffey Ave., Hicksville, L.1.,N.Y.

- HICKMAN, WILLIAM L., JR. (M'57), Customer Training Supvr., Autonetic Div., No. Amer. Aviation, Downey, Calif.
- HICKOK, CHARLES H. (A'52), Electronics Technician, Diamond Ordnance Fuze Labs., Washington 25, D.C. HICKOK, ROBERT D. (SM'57), 10514 Dupont Ave., Cleveland 8, Ohlo.
 HICKS, ALEXANDER R. (S'55-M'57), Electronics Research Engr., Lockheed Aircraft Corp., 7575 San Fernando Rd., Burbank, Calif.

- HICKS, BEATRICE A. (S'42-A'44-M'51-SM'57), Pres., Newark Controls Co., 15 Ward St., Bloomfield, N.J.
 HICKS, BERNARD W. (M'51), Lecturer, Enfleld Tech.
 College, Enfleld, Middl., England; Consulting Engr., 2
 Grasmere Rd., Ware, Herts, England.

- College, Entitleld, Middl., England; Consulting Engr., 2 Grasmere Rd., Ware, Herts, England.

 HICKS, C. NORMAN (A'51-M'58), Physicist, USN Electronics Lab., San Diego 52, Calli.

 HICKS, CHARLES R. (M'56), Electronics Engr., Directorate of Maint. Ground Communication Engrg. Agency, MONNA, Brookley AFB, Mobile, Ala.

 HICKS, CHARLES S. (M'53), Principal Engr., Radar Systems, Bendix Prods. Div., South Bend 20, Ind.

 HICKS, CLAIR W. (SM'49), Staff Mem., Sandia Corp., Sandia Base, Albouderque, N.M.

 HICKS, ERIC P. (A'49-M'55), Sales Engr., Taylor Instrument Co., 16 Leland Ave., Columbus, Ohlo.

 HICKS, FRANK M. (A'54), Audio Engr., KPRC-TV, Houston Post Co., Box 1234, Houston, Tex.

 HICKS, H. FRANK, JR. (SM'57), Group Supvr., Research & Dev., Eastman Kodak Co., 400 Plymouth Ave., N., Rochester, N.Y.

 HICKS, HCRBERT J. (M'46), Science Teacher, Central High School, 3616 N. Garrison Ave., St. Louis 7, Mo.

 HICKS, JOHN M. (A'49-M'55), Field Engr., U.S. Naval Aviation Engrs. Service Unit. Washington 25 D. C
- Security Agency, Washington 25, D.C.
 HICKS, JOHN M., (A⁴49-M'55), Field Engr., U.S. Naval
 Aviation Engrg. Service Unit, Washington 25, D.C.
 HICKS, PHILIP A. (S'48-A'52-M'57), Electronics Engr.,
 Smyth Research Associates, 3555 Aero Ct., San Diego 11,
 Calif.

- 216 -HICKS, RICHARD D. (M'56), Sr. Design Engr., Convair, Ft. Worth, Tex.
 HICKS, ROBERT 8. (S'56-M'57), Dev. Engr., GE Co.,

- Note: No. 10. (5.36-M.57), Dev. Engr., GE Co., Syracuse, N.Y.

 HICKS, WALTER J. (5.56-M.5/8), Elec. Engr., Raytheon Mrg. Co., Bedford, Mass.

 HICKS, WILBURN S. (4.53), Electronics Technician, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 HICKS, WILLIAM M. (4.51), Mfrs. Rep., W. M. Hicks, 4 Spruce Dr., Roslyn, L.I., N.Y.

 HIDALGO, MARIANO T. (M.48), Prof. & Acting Dean, College of Engrg., Univ. of the East, Manila, Philippines.

 HIDY, JOHN H. (4.40-M.44-SM.49), Design Specialist, Lockheed Aircraft Corp., Burbank, Calif.

 HIEBERT, RICHARD D. (5.48-A.150-M.55-SM.159), Staff Mem., Los Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

- HIEDEMANN, EGON A. (SM'56), Physics Dept., Michigan State Univ., East Lansing, Mich. HIEHLE, MICHAEL E. (S'38-A'41-SM'46), Project Mgr., Airborne Systems Lab., Hughes Aircraft Co., Culver City, Calif.
- Lail:
 HIEKEL, WALTER H. (S'54-A'55), Mem. Tech. Staff, Ramo-Wooldridge Corp., Los Angeles 45, Calif.
 HIEKEN, CHARLES (S'49-A'52-M'58), Patent Atty., Ezeklel Wolf, Wolf & Greenfield, 68 Devonshire St., Boston 9, Mass.
- HIEKEN, MILTON H. (S'54-M'56), Test Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo. . HIERHOLZER, EDWARD L. (S'57-M'59), RFD 1, Box 123,
- Umatilla, Fia.
 HIERHOLZER, FRANK J., JR. (M'58), Engr., Westinghouse
 Elec. Corp., 7325 Pennsylvania Ave., Pittsburgh, Pa.
 HIERLIHY, OSCAR G. (M'55), Chief Engr., Newfoundland
 Broadcasting Co., CJON, Prince of Wales St., St. John's
 Nfld., Canada.
- NIId., Canada

 HIERONYMUS, T. GALEN (A'40-SM'51), Owner & Dir.,
 Radiation Lab., 1325 Orange Isle, Ft. Lauderdale, Fla.

 HIERONYMUS, T. GALEN (A'55), Electronics Engr., RCA
 Service Co., M.T.P., Patrick AFB, Fla.

 HIESTAND, DOUGLAS W. (M'58), Elec. Engr., RalstonPurina Co., 835 S. B St., St. Louis 2, Mo.

 HIESTAND, NORMAN P. (S'49-A'50-M'55), Mgr., Prod.
 Dev., Instrument Div., Varian Associates, 611 Hansen Way,
 Palo Alto, Calif.

 HIGA, KOKEN (A'50-M'55), Electronics Engr., CAA,
 Box 4009, Honolulu 12, Hawaii

 HIGA, WALTER H. (SM'54), Research Engr., California
 Institute of Technology, 4800 Oak Grove Dr., Pasadena
 3, Calif.

- HIGASHI, ALFRED K. (S'52-A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. HIGASHI, PAUL (S'55-M'56) Design Engr., Elec. Div. Natl. Cash Register Co., 1401 El Segundo Bivd., Haw-thomes California thorne, Calif
- HIGDON, ROBERT V. (S'43-A'45-SM'53), V. P., Topp Industries, Inc., 5221 W. 102 St., Los Angeles 45, Calif.
- HIGGINBOTHAM, HARRY L. (S'51-M'56), Engr., Electronics, Temco Aircraft Corp., Garland Engrg., Miller Rd. at Jupiter Rd., Garland, Tex.

 HIGGINS, DAVID P. (A'53), V. P., Hallicrafters, 4401
 5 Ave., Chicago 24, III.

 HIGGINS, DONALD H. (S'58-M'59), Production Engr., Hewlett-Packard Co., Palo Aito, Calif.

- Hewlett-Packard Co., Palo Alto, Calif.

 HIGGINS, GEORGE S. (A'55), Officer Commanding 12
 Examination Unit, RCAF, Clinton, Ont., Canada.

 HIGGINS, HARLAND, JR. (A'54), Instrument Certification
 Leadman, Douglas Aircraft Co., Tulsa, Okla.

 HIGGINS, JESSE F. (A'52), Technician, WPTF Radlo
 Co., Insurance Bldg., Raleigh, N.C.

 HIGGINS, JONN N. (A'56), V.P., KIP Electronics Corp.,
 29 Holly Pl., Stamford, Conn.

 HIGGINS, JONN T. (A'53), Field Engr., Philoc Corp.,
 22 St. & Lehiph Ave., Philadelphia 32, Pa.

 HIGGINS, LAWRENCE S. (A'57), Research Asst., Circulation Lab., Boston City Hospital, 818 Harrison Ave., Boston
 18, Mass.
- HIGGINS, LESTER A. (A'51), Chief Electronics Technician, Scandia Mfg. Corp., Belleville Tpke., North Arlington, N.J.

- HIGGINS, NEIL S. (A'56), Plant Training Methods Supvr., Michigan Bell Tel. Co., Detroit 26, Mich.
 HIGGINS, NEIL S. (A'56), Plant Training Methods Supvr., Michigan Bell Tel. Co., Detroit 26, Mich.
 HIGGINS, PAUL W. (S'49-A'51), Project Engr., R. Spruce Co., 608 S. Dearborn, Chicago 5, Jil.
 HIGGINS, PHILIP B. (S'49-A'51-M'59), Design Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
 HIGGINS, RICHARD E. (S'56-M'57), Lt., USAF, Electronics Engr., Home. 402 Riggs Rd., N.E., Washington, D.C.
 HIGGINS, RICHARD N. (M'56), Missile Guidance, Sperry Utah Engrg. Lab., 322 N. 21 W., Salt Lake City, Utah.
 HIGGINS, ROBERT B. (S'56-M'59), Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 HIGGINS, ROBERT B. (S'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 HIGGINS, STERLING F. (S'49-A'51-M'56), Sr. Dev. Engr., Consolidated Electrodynamics, 300 N. Sierra Madre Villa, Pasadena, Callr.
 HIGGINS, VICTOR M. (S'57-A'58), Field Service Rep.,

- Madre Villa, Pasadena, Calif.

 HIGGINS, VICTOR M. (S'57-A'58), Field Service Rep., GE Co., HMED, Syracuse, N.Y.

 HIGGINS, WILLIAM F. (S'50-A'51-M'55), Engrg. Specialist Sylvania Elec. Prods., Inc., Waltham, Mass.

 HIGGINS, WILLIAM H. C. (M'46-5M'51), Dir., Milltary Electronics Dev., Bell Tel. Labs., Whippany, N. J.

 HIGGINS, WILLIAM T. (S'57-M'58), Engr., Raytheon Mfg. Co., Waltham, Mass.

 HIGGINS, WILLIAM T. (S'57-M'58), Engr., Raytheon Mfg. Co., Waltham, Mass.

 HIGGS, PARK T. (A'50), Radio Communications Engr., Lehigh Engrg. Associates, 62 Mulberry St., Newark 2, N.J.

 HIGGS, PARK T. (A'50), Radio Communications Engr., 16 Mercereau St., Binghamton, N.Y.

 HIGGS, ROBERT E. (A'46-M'48), Administrator, Mkt. Planning, RCA Electron Tube Div., Harrison, N.J.

 HIGGY, ROBERT C. (A'26-SM'45), Assoc. Dir., WOSU; Assoc. Prof., Elec. Engrg., Ohio State Univ., Columbus 10, Ohio.
- Assoc . Pi 10 , Ohio HIGH, RICHARD (M'57), Electronics Engr., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.

- HIGH, RICHARD A. (S'52-A'54-M'59), Elec. Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington, Cin-cinnati 8, Ohio.

- Crosley Div., Avco Mfg. Corp., 1329 Arlington, Cinacinnati 8, Ohio.
 HIGHAM, EDWARD H. (A'45-M'47), Chief Asst., Tech. Div., Engrg. 1& C., Unilever, Ltd., Conway House, Tudor St., London, E. C. 4, England.
 HIGHLEYMAN, WILBUR H. (S'55-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 HIGHSMITH, HENRY P. (M'58), Engr., Western Electric Co., Winston-Salem. N.C.
 HIGHT, HERMON H. (S'55-M'58), Instr., Mississippi State Univ., State College, Miss.
 HIGHT, Start C. (A'31-M'39-SM'43-F'55), Chmn., Data Processing Panel, Advanced Research Projects Agency, The Pentagon, Washington 25, D.C.
 HIGHTOWER, WILLIAM D. (S'54-M'57), Engr., Philco Corp., 3875 Fabian Way, Palo Alto, Calif.
 HIGINBOTHAM, WILLIAM D. (S'54-M'57), Assoc. Engr., IBM, Owego, N.Y.
 HIGLEY, RICHARD J. (S'51-A'54-M'59), Assoc. Engr., IBM, Owego, N.Y.
 HIGUERA-MOTA, HECTOR R. (A'56), Encargado de Instalaciones de Equipos de Microondas en la Oficina de Microondas de la Direccion General de Telecommunicaciones, Secretaria de Communicaciones, Secretaria d
- de la Direccion General de Telecommunicaciones, Secretaria de Communicaciones y Transportes. Mexico D.F., Mexico. HIS, PEDER T. (SM '59), Head, Radar Div., Norwegian Defence Research Est., Bergen, Norway.
 HLBERG, ERNEST A., JR. (5'49-A'50-M'59), Project Engr., ITT Labs., Nutley 10, N.J.
 HLBERG, RONALD P. (A'56), Research Asst., Ramo-Wooldridge Corp., 5500 W. El Segundo Bivd., Airport Sta., Los Angeles 45, Calif.
 HLBERS, G. RICHARD (A'51), Electronics Technician, Stanford Research Institute, Stanford, Calif.
 HLBERT, FRANCIS H. (M'56), Project Engr., Research & Dev., Motorola, Inc., 4501 Augusta Bivd., Chicago, III.

- HILBIBER, DAVID F. (A'51-M'57), Research Engr., Computer Dev., Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif.

- Sunnyvale, Calif.

 HLBOURN, CHARLES L. (A'47-M'55), Project Engr., Computers, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 HLBUN, JAMES M, (S'55-M'57), Electronics Service Engr., Westinghouse Elec. Corp., Baltimore, Md.

 HLBURN, EARL D. (A'43), V. P., Dev., Link Aviation, Inc., Hillcrest, Binghamton, N. Y.

 HLDEBRAND, DAVID B, (S'57-M'58), Communications & Electronics Officer, USNR, USS Brown (DD546), FPO San Francisco, Calif.

 HLDEBRAND, JOHN G, JR. (A'33-VA'39-M'55). Communications & Communicati
- HILDEBRAND, JOHN G., JR. (A'33-VA'39-M'55), Consulting Chemist-Engr., Chemical Research & Development, 45 Brighton St., Belmont 78, Mass.
 HILDEBRAND, ABE, E. (M'56), Engr. "1," Govt. of Canada, Dept. of Transport, 207 Trafalgar Bldg., Ottawa, Ont., Canada.
- HILDEBRANDT, HERBERT J. (M'56), Engr., GE Co., Syracuse, N.Y.

- Syracuse, N.Y.

 HILDEBRANDT, WILLIAM J. (S'49-A'50-M'56), Mgr.,
 Apolied Research & Component Dev., Underwood Corp.,
 56 Arbor St., Hartford, Conn.

 HILDEBRANT, BENJAMIN M. (A'53), Group Leader, Instrumentation Lab., MIT, Cambridos 39, Mass.

 HILDRETH, ALAN E., JR. (S'50-A'51-M'56), Project
 Ergr., Western Union Telegraph Co., Water Mill, N.Y.

 HILDRETH, DONALD E. (S'49-A'51), Staff Engr., Hughes
 Aircraft Corp., Culver City Calif.

 HILDRETH, HUBERT J. (A'56), Electronics Engr., Warner
 Robins Air Material Area, Warner Robins, Ga.

 HILDRETH, RICHARD F. (S'56-M'59), Fingr., GF. Co.
- HILDRETH, RICHARD F. (S'56-M'59), Engr., GE Co., Ithaca, N.Y. HILDYARD, VIDA G. (A'57), Sr. Statistician, Remington Rand Univac, St. Paul 16, Minn.
- Rand Univac, St. Paul 16, Minn.
 HIGGEICK, WINFRED C. (A'29-SM'47), Capt., USN,
 Staff Officer, SecDef, Pentagon, Washington, D.C.
 HILIBRAND, JACK (S'50-M'57), Mem. Tech. Staff, RCA
 Labs., Princeton, N.J.
 HILKER, ARTHUR H. (M'57), Pres., The Hilker Co., 3007
 Kinnaman Rd., Winston-Salem, N.C.
 HILKER, H. VAN DER VEER, JR. (A'55), Sr. Physicist,
 Data Automation Branch, U.S. Naval Ordnance Test Sta.,
 China Lake, Calif.

- HILL, ALBERT G. (SM'46-F'50), Prof., Physics, MIT, Cambridge, Mass. HILL, ALLAN J. (S'56-M'58), Assoc. Engr., Instrumenta-tion, Douglas Aircraft Co., Box 1596, Vandenberg AFB, Calif.
- HILL, ALLEN P. (S'54-M'56), Airbome Radio Operator, USAF, Eielson AFB, Fairbanks, Alaska, Home: 5800 S.E. 15, Midwest City, Okła.
- HILL, ARTHUR L. (A'52), Field Engr., RCA Service Co., Camden 8, N.J.

- Camden 8, N.J.
 HILL, ARTHUR R. (A'58), 17 Myrtle Ave., Stony Creek
 Mills, Reading, Pa.
 HILL, BERNAMIN F. (S'50-A'51-M'56), Sr. Engr., Genl.
 Mills, Inc., 2005 F. Hennipin, Minneapolis, Minn.
 HILL, BURL M. (A'50), Electronics Engr., Computer Associates, 6746 Olympia St., Minneapolis, Minn.
 HILL, BURRITTE. (A'54), Capt., Project Engr., Air
 Force Ballistic Missile Div., Air Force Unit P 0, Los
 Angeles 45, Calif.
- HILL, CHARLES A. (S'49-A'51-M'58), Group Supvr., Electronic Printers, Stromberg-Carlson Div., 1B95 Hancock St. San Diego 12, Calif.
- HILL, CHARLES F. (S'40-A'43), Sr. Elec. Engr., Vern E. Alden Co., Engrs., 33 N. La Salle St., Chicago 2,
- HILL, CHARLES M. (A'54), Dev. Engr., Dynac, Inc., 395 Page Mill Rd., Palo Alto, Calif. HILL, CHARLES R. (S'46-A'48-M'56-SM'57), Sr. Mem. Tech. Staff, Space Electronics Corp., 1200 Airway, Glendale 1, Calif.
- HILL, CHARES V. (S'51-A'54-M'59), Field Engr., Sperry Gyroscope Co., Box 26, Port Hueneme, Calif. HILL, CLARENCE E. (M'58), 157 Cabot Rd., Massapequa, L.I., N.Y.
- HILL, DANIEL E. (M'57), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

HII-HIN - 217 -

- HILL, DANIEL L. (S'53-A'55), Lt., Electronics Warfare Officer, USAF, Walker AFB, Roswell, N.M.
 HILL, DAVID A. (M'51-5M'57), Quality Control, Hughes Aircraft, Co., Culver City, Calif.
 HILL, DAVID C. (S'54-M'57), Missile Systems Engr., Raytheon Mfg. Corp., Bedford, Mass.
 HILL, DAVID M. (S'44-A'46-M'55), Genl. Supvr., Test Equipment Dev., Northrop Aircraft, Inc., Hawthorne, Calif. HILL, DON G. (M'57), Staff Engr., Raytheon Mfg. Cor., Waltham, Mass.
- HILL, DONALD L. (S'52-A'53-M'58), Elec. Engr., Flight Lab., RCA, Box 1507, New Castle County Airport, New Castle, Del.
- HILL, DONALD M. (M'46), Sr. Electronics Group Engr., Convair, Box 1128, San Diego, Calif. HLL, DONALD R. (A'47-M'55), Mgr., Program Mngt., RCA Missile Test Project, Cocoa, Fla.
- HILL, ODNALD R. (S'55-M'58), Computer & Servomechanisms Group Leader, Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.
- HILL, EDGAR B. (A'51), Design Electronics Equipment, Servo Corp. of America, 2020 Jericho Tpke., New Hyde Park, L.I., N.Y.

- Hyde Park, L.I., N.Y.

 HILL, EDWARD L. (SM'57), Prof. Physics, Univ. of Minnesota, Minneapolis 14, Minn.

 HILL, EMILE N. (A'38-VA'39-M'55), Chief Engr., WDV, 730 5 Ave., New York, N.Y.

 HILL, EMILE R. (S'56-A'59), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HILL, FOSDICK E. (M'53-SM'58), Consultant Analyst, Aura Vector, Inc., 416 Melbourne Ave., Indialantic, Fla.

 HILL, FRANK E. (S'47-A'49-M'55), Group Supvr., Servovalves, Vickers, Inc., Administrative & Engrg. Center, Detroit 32, Mich. Servovalves, Vick Detroit 32, Mich.

- HILL, FRED C. (A'47-M'52), Chief Engr., KTRE, Box 701, Lufkin, Tex.
 HILL, GEORGE V. (S'52-A'53-M'58-SM'59), Mem. Tech. Staff, Bell Tel. Labs., Winston-Salem, N.C.
 HILL, GIRTHEL R. (SM'57), Div. Coordinator, Instrumentation Div., Radiation, Inc., 5800 Bearhead Rd., Orlando, Fla.
- ria.
 HILL, H. F. (A'27-VA'39), Asst. to Chief Engr., Tropical
 Radio Telegraph Co., Box 97, Hingham, Mass.
 HILL, HAL BATES (A'56), Owner, L& H Service Co.,
 10126 Hollyglen Dr., Houston 16, Tex.
 HILL, JAN T. (A'57), Supyg. Service Engr., Westinghouse
 Elec. Copp., Box 1997, Baltimore 3, Md.

- HILL, JAMES C. (SM'58), 3315 Earlham Rd., Dayton 6, Ohio.

- Ohio.

 HILL, JAMES S. (A'41-M'47-SM'52), Research Engr.,
 Associated Development Engrs., 3650 E. Pleasant Valley
 Rd., Cleveland 31, Ohio.

 HILL, JAMES T. (S'57-A'57), Lab. Technician, Micamold
 Corp. of Virginia, Tazewell, Va.

 HILL, JAMES W. (S'57-M'59), Elec. Engr., Hughes Aircraft Co., Culver City, Calif.

 HILL, JEROME E. (S'58-M'59), Dev. Eng., American Electronic Labs., Inc., 121 N. 7 St., Philadelphia 6, Pa.

 HILL, JOHN D., III (S'53-A'55-M'56), Engr., Collins Radio
 Co., 1200 N. Alma Rd., Richardson, Tex.

 HILL, JOHN E. (M'89), Engr., Electronic Specialty Co.,
- CO., 12UU N. Atma Rd., Richardson, Tex. HILL, JOHN E. (M¹58), Engr., Electronic Specialty Co., 5121 San Fernando Rd., Los Angeles 39, Calif. HILL, JOHN F. (M¹56), Engrg. Writer, Applied Communi-cations Div., Signal Corps Publications Agency, Ft. Mon-mouth, N. J.
- mouth, N.J.

 HILL, JOHN H. (A'54), Systems Engr., Philco Corp., 22

 St., & Lehigh Ave., Philadelphia 32, Pa.

 HILL, JOHN H. (M'56), Asst. Engr., (Oesign), Canadian
 Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont.,
 Canada.
- HILL, JOHN H. (M¹57), Psychologist, FAA, Atlantic City, N.J.
- N. J.

 HILL, JOHN L. (A'41-M'51), Dir., Research & Dev., Ramsey Engrg. Co., 1853 W. County Rd., St. Paul 13, Minn.

 HILL, JOHN S., 11 (M'57), Chief Engr., Aeronautical

 Electronics, Inc., 80x 6527, Raleigh, N. C.

 HILL, JOSEPH K. H. (A'58), Asst. to Chief Inspector &

 Service Mgr., Aerotron Radio Co., S. W. Natl. Guard, Airport, Tulsa, Økla.

- mont, Tulsa, Okla.

 HILL, KENNETH J. (M'56), Engr., Western Electric Co., Marion & Vine Sts., Laureddale, Pa., HILL, KENNETH R. (S'56-A'58), Technician, Western Electric Co., Burlington, N. C.

 HILL, LANDON P. (M'48), Lt. Col., Tech. Operations, USAF, The Pentagon, Washington 25, D. C.

 HILL, LESTER D. (S'53-A'54), Assoc. in Elec. Engrg., Univ. of California, Berkeley 4, Calif.

 HILL, LEWIS W. (M'58), Staff Engr., Prod. Oev. Lab., BM, Monterey & Cottle Rds., San Jose, Calif.

 HILL, LINFORD E. (M'56), Sr. Engr., Philco Corp., Palo Alto, Calif.
- Alto, Calif.

 HILL, LLOYD L. (S'53-A'53), Sect. Chief, Production Engr., Bell Aircraft Corn., Box 1, Buffalo 5, N. Y.

 HILL, MAURICE A. (M'47), Radio Engr., Wright Air Oevelopment Center, Wright-Patterson AF 8, Ohio.

 HILL, MONROE E. (A'55), Project Engr., Melpar, Inc., 1401 S. Fern St., Arlington, Va.

 HILL, NEAL R. (A'53-M'58), Elec. Engr., RCA, Camden, N. J.
- HILL, OTIS R. (M'58), 1176 Los Altos Ave., Los Altos, Calif.
- Calif.

 HILL, PAUL D. (M'58), Electronics Engr., Army Ordnance, Instrumentation & Standards Branch, Electro-Mech. Labs. Div., White Sands Missile Range, N. M.

 HILL, RAYMONO O., JR. (SM'57), Chief Electronics Engr., McDonnell Aircraft Corp., Sox 516, St. Louis, Mo.

 HILL, RICHARD F. (M'57), Instr., Elec. Engr., Univ. of Wisconsin, Madison 5, Wis

 HILL, RICHARD S. (A'54), Project Engr., GE Co. Van Ness at Orange, Tempe, Ariz.

- at Orange, Tempe, Artz. HILL, ROBERT B. (\$153-A\forange 153), Field Mgr., IBM, 1220 19 St., N.W., Washington 6, D. C. HILL, ROBERT D. (\$154-A\forange 156-M\forange 159), Quality Control Engr., Bendix Aviation Com., 95 & Troost Kansas City,
- HILL, ROBERT E. (S'53-M'56), Research Engr., Jet Pro-pulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena, Calif.
- ILL, ROBERT L. (M'57), Chief Instr., Radio Engrg. Institute, 2610 Leavenworth St., Omaha 5, Neb.

- HILL, ROBERT T. (M'58), Box 1418, San Benito, Tex. HILL, ROGER G. (S'52-A'53), Electronics Sect. Leader, Research & Oev. Dept., John Oster Mfg. Co., 1 Main St., Racine, Wis.
- Racine, Wis.
 HILL, ROGER L. (M'57), Electronic Scientist, Natl. Bureau of Standards, Connecticut & Van Ness, Washington, D. C.
 HILL, RONALD A. (S'56-M'58), Engr., IBM, Poughkeepsie, N. Y.
- HILL, RONALD F. (A'56), 1710 3rd St., N.E., Calgary, Alta., Canada.

- Alta., Canada.
 HILL, THOMAS W. (S'55-M'56), Assoc. Engr., IBM,
 Owego, N. Y.
 HILL, W. RYLAND, JR. (A'43-M'44-SM'54), Prof., Elec.
 Engr., Univ. of Washington, Seattle 5, Wash.
 HILL, WALTER C. (A'57), Field Engr., Electronic Tube
 Corp., 1200 E. Mermaid Lane, Philadelphia 18, Pa.
 HILL, WALTER M. (A'43-M'53), Chief, Resident Training
 Sect., CAA, Aeronautical Center, Box 1082, Oklahoma
 City 1, Okla.
- HILL, WARREN C. (SM'53), Owner, W. C. Hill Research Lab., 1814 Arica Way, Sacramento, Calif. HILL, WILLIAM W., 111 (M'55), Project Epgr., West-inghouse Elec. Corp., Air Arm Div., Box 746, Baltimore 3,
- MILL, YATES M. (S'50-A'51-SM'57), Advisory Engr., IBM, Endicott, N.Y. HILLARD, WILLIAM R. (M'56), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95004, Los Angeles 45, Calif.
- HILLE, PAUL F., JR. (S'52-A'53-M'56), Engr., Polarad Electronics Com., 33-10 Queens Blvd. Long Island City 1,
- HILLEARY, HUGH W. (S'52-A'54), Field Engr., Office Mgr., Gene French Co., 3395 S. Bannock, Englewood, Colo.

- Mgr., Gene French Co., 3395 S. Bannock, Énglewood, Colo.

 Colo.

 HILLEGASS, HAROLD N. (S'51-A'53-M'57), Engr., RCA, New Holland Pike, Lancaster, Pa.

 HILLER, EDWIN R., JR. (S'49-M'57), Advanced Research Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 HILLER, GERALD (S'55-M'58), Jr. Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

 HILLESLAND, CARL B. (S'56-M'57), Engr., Philoc Corp., Labs., 806 Chestnuk St., Redwood City, Calif.

 HILLGER, RICHARD E. (S'56-M'57), Engr., Philoc Corp., Labs., 806 Chestnuk St., Redwood City, Calif.

 HILLIARD, DIKEY M. (A'39-M'55), Hilliard Associates, 1125 Old York Rd., Abington, Pa.

 HILLIARD, DIKEY M. (A'39-M'55), Hilliard Associates, 1125 Old York Rd., Abington, Pa.

 HILLIARD, HUGH C., JR. (M'59), Jr. Engr., Douglas Aircraft Co., Box 1596, Cooke AFB, Calif.

 HILLIARD, HUGH C., JR. (M'59), Jr. Engr., IBM, 182 N.

 Hamilton St., Poughkeepsie, N.Y.

 HILLIARD, JR.YING W. (SM'58), Sr. Engr., Raytheon Mfg. Co., Maynard, Mass.

 HILLIARD, JAMES T. (M'57), Assoc. Engr., Northrop

- Co., Maynard, Mass.
 HILLIARD, JAMES T. (M'57), Assoc. Engr., Northrop
 Aircraft, Inc., Hawthome, Calif.
 HILLIARD, JOHN K. (A'25-M'29-SM'43-F'52), V. P.,
 Dir., Advanced Engrg., Altec Lansing Corp., 1515 S.
 Manchester Ave., Anaheim, Calif.
- Manchester Ave., Anabeim, Call f.

 HILLIARO, WILLIAM P. (A'35-VA'39-M'55), V.P.,
 Genl. Precision Labs., Inc., Pleasantville, N.Y.
 HILLIER, JAMES (SM'55-F'57), V.P., RCA Labs.,
 Princeton, N.J.
 HILLIER, R.J. (A'52-M'55), Mgr., Cable & Wireless (West
 Indies), Ltd., Box 151, Hamilton, Bermuda.

 HILLIAMN, ERNEST L. (S'53-A'55), Engr., RCA, Camden
 2, N.J.

- 2, N.J.
 HILLMAN, HOWARD D. (S'56-M'56), Research Engr., MIT
 Instrumentation Lab., Cambridge 39, Mass.
 HILLMAN, KURT (S'48-A'49-M'55), Electronics Engr.,
 Sylvania Elec. Prods., Inc., Bayside, L.I., N.Y.
 HILLMAN, LEON (S'47-A'50-M'52), Pres., Automation
 Dynamics Corp., Tenafly, N.J.
 HILLMAN, PHILIP L. (S'44-A'46-M'55-SM'56), Staff
 Man., Genl. Precision Lab., 63 Bedford Rd., Pleasantville,
 N.Y.
- HILLMAN, SETH (M'59), Sr. Industrial Engr., Federal Elec-tric Corp., Industrial Ave., Paramus, N.J. HILLMANN, RICHARD E. (S'53-A'54), Signal Corps, U. S. Army, Ft. Gordon, Ga.
- HILLS, FRANK B. (S'51-M'59), 90 Westgate, Cambridge 39, Mass.
- HILLS, VERNON E. (M'57), Design Engr., RCA, Camden 2,
- N.J.
 HILLS, W. LAWRENCE (S'50-A'52-M'57), Engr., Feedback
 Controls, Inc., 899 Main St., Waltham 54, Mass.
 HILLS, WILLIAM J. (M'57), Telecommunications Asst.,
 British Transport Commission, 222 Marylebone Rd.,
 London, N.W., England.
- London, N.W., England.

 HILLISTROM, WILFRED B. (S'48-A'50-M'56), Project
 Engr., Diamond Ordance Fuze Labs., Washington 25, D.C.

 HILLIYER, CURTIS (S'38-A'40-M'49), Pres., Hillyer Corp.,
 331 Centennial Ave., Cranford, N.J.

 HILMAN, JULIAN (S'49-A'51-M'56), Electronics Engr.,
 Components, American Bosch Arma, Corp. Garden City,
 L.I., N.Y.

- HILSABECK, DIXON M. (M'57), Radio Engr., USAF, Wright-Patterson AFB, Ohio.
 HILMES, EDWIN F. (M'58), Electronics Engr., Civil Service, Dept. of Air Force, Tinker AFB, Oklahoma City, Okla.
- UKIA.

 HILSDALE, FREDERICK A. (A'45), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 HILSON, EDWARD A. (M'57), Asst. Branch Chief, Standardization, Deputy Commander for Oev. & Test, Air Research & Dev. Command, Air Proving Ground Center, Califa Eng. (Ed.)
- Eglin AFB, Fla.

 HILT, WILLIAM M. (S'49-A'51-SM'55), Mgr., MidCentral Region, Mech. Div., Genl. Mills, Inc., 2600
 Far Hills Bldg., Oayton 19, Ohio.

 HILTNER, ROBERT P. (A'53), Foreman Supvr., Chesapeake
 & Potomac Telephone Co., 725 13 St., N.W., Washington 5, O.C.
- HILTON, BASIL C. (A'50), 8.C. Regional Engr., Canadian Broadcasting Corp., 701 Hornby St., Vancouver, 8.C., Canada.
- HILTON, EOGAR A. (A'49-SM'58), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

- HILTON, FREDERICK L. (A'53-SM'59), Mor., Environmental Test & Standards Dept., Motorola, Inc., 4501 Augusta Blvd., Chicago 51, III. HILTON, JOSEPH J. (M'58), Engr., Electronics Research & Dev., ITT Labs., Clifton, N.J.

- HILTON, JUSEPH J. (W. SC.). A. H. H. Labs., Clifton, N.J.
 HILTON, PHYL N. (M'57), Engr., AT&T Co., 195 Broadway, New York 7, N.Y.
 HILTON, RICHARD C. (M'58), Sr. Geophysicist, Shell
 Oil Co., Box 2099, Houston 1, Tex.
 HILTON, WALLACE A. (A'51-M'56), Dept. Head & Prof.,
 Physics, William Jewell College, Liberty, Mo.
- HILTS, HAROLD D. (A'55), 441 Brandywine Ave., Schenectady 3, N.Y. HILTZ, FREDERICK F. (5'52-A'54), Sr. Staff, Applied Physics Lab., The Johns Hopkins Univ., Silver Spring,
- Md.

 HIMEBROOK, FREDERICK C. (S'49-A'50-M'55), Research
 Engr., Borg Warner Research Center, Des Plaints, III.

 HIMEL, CARROLL B. (S'55-M'58), Production Engr.,
 Elec., Texas Instruments, Inc., 6000 Lemmon Ave.,
 Dallas, Tex.
- HIMES, DON I. (M'57), Sr. Engr., ITT Labs., Nutley 10,
- N.J.
 HIMES, HAROLD D. (A'44-M'55), Engr., Avco Mfg.
 Cop., 1329 Arlington St., Cincinnati 25, Ohio.
 HIMLER, GARY J. (S'44-A'50-M'53-SM'59), Head, Radar
 Dept., Ground Systems Hughes Aircraft Co., Box 2097,
 Fullerton, Calif.
- HIMMEL, LEON (S'41-A'44-SM'51), Lab. Dir., ITT Labs., Nutley 10, N.J.
- HIMMEL, ROBERT N. (M'56), Eastern Region Sales Mgr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
- HIMMELSTEIN, FREDERICK (S'57-M'59), Test Equipment Design Engr., GE Co., 3198 Chestnut St., Philadelphia 4, Pa.
- Design Engr., GE Co., \$198 Chestnut St., Philadelphia 4, Pa.

 HIMMELSTEIN, SYDNEY (S'46-A'48-M'55), Exec. Engr., Electronic Systems Div., Cook Electric Co., 8100 Monticello Ave., Skokie, III.

 HIMMER, FRANK (A'44-SM'54), Sect. Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 HIN, TAN KEAN (M'46), Mng. Dir., Hai Hin, Ltd., 45 Leith St., Penang, Malaya.

 HINCHEY, ALVIN E. (A'57), Elec. Engr., Sperry Microwave Electronics Co., Clearwater, Fla.

 HINCHEY, RICHARD L. (S'41-A'45-M'55), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 HINCKLEY, GEORGE A. (A'57), Sales Engr., Raytheon Mg. Co., Waltham, Mass.

 HINCKLEY, KENNETH M. (M'56), Surk., Assembly, Raytheon Mg. Co., South Lowell, Mass.

 HINCKLEY, ROBERT H. (SM'57), Assoc. Dir., Engrg., Internati. Electric Corp., Paramus, N. J.

 HINDA, ALFRED T., JR. (M'58), 203 Wyatt Ave., Clemson, S.C.

 HINDE, JOHN E. (S'52-A'54), Staff Mem., Sandia Corp.,

- S.C.
 HINDE, JOHN E. (S'52-A'54), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
 HINDEN, ALBERT (S'56-M'59), Engr., Hazeltine Corp., Little Neck 62, L.I., N.Y.
 HINDI, MONEER (S'56-M'58), Design Engr., Missile Packaging, Convair, 1600 W. 5, Pomona, Calif.
 HINDIN, ALEXANDER (A'44), Gent. Engr., U. S. Army Signal Equipment Sup. Agency, Ft. Monmouth, Red Bank, N.J.
- HINDIN MAURICE J. (A'58), Partner, Atty-at-Law, Radio & Communications, Hindin & Susman, 6505 Wilshire Blvd., Los Angeles 48, Calif.

- Los Angeles 48, Calif.

 HINDS, DOVLE R. (S'56-M'58), Staff Mem., Sandia
 Com., Sandia Base, Albuquerque, N.M.

 HINDS, JAMES L., JR. (S'50-A'52-M'57), Project Leader,
 Naval Air Development Center, Johnswille, Pa.

 HINDS, JOSEPH E., JR. (S'48-A'49-M'54), Mgr., Ampex
 Com., Universal Blvd., Washington 7, D.C.

 HINDS, MARVIN H. (S'57-A'58), Electronics Engr., M. D.
 Anderson Hospital, Univ. of Texas, 6723 Bertner, Houston
 25, Tex.

- 25, Tex.

 HINDS, WALTER C., JR. (M'55), Sr. Electronics Engr., Creole Petroleum Corp., Apartado 3097, Jusepin, Monagas, Venequela.

 HINE, EDWARD A. (M'54), Communications Co-ordinator, Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 HINE, M. KIPLINGER, JR. (M'59), Physicist, Radio Systems Branch, Diamond Ordnance Fuze Labs., Washington 25, D. C.

- 25, D. C.

 HINE, SHELDON H. (A'55), Pres., Hinelight Corp., 2538
 John St., Ft. Wayne 5, Ind.

 HINELINE, HARRIS O. (M'26-A'40-M'55), Patent Atty.,
 425 Rich Ave., Mount Vermon, N. Y.

 HINER, T. L. (A'39), 6035 Southlea, Houston 21. Tex.

 HINES, CHESTER A. (A'52-M'57-SM'59), Electronic
 Scientist, Wave Propagation Sect-ARL, USAF, WrightPatterson AFB, Ohio.
- Patterson AFB, Ohio.

 HINES, JOHN E., JR. (A'59), Asst. Sales Mor., Intermatl. Instruments, Inc., Box 2954, New Haven, Conn.

 HINES, JOHN N. (S'47-A'50-M'55), Mem. Tech., Staff, Military System Studies, Bell Tel., Labs., Whippany, N. J. HINES, JOHN W. (S'46-A'48-M'52), Owner, Earlsboro Telephone Co., 80x 66, Earlsboro, Okla.

 HINES, MARION E. (S'46-A'47-M'50), Transmission Systems, Dev. Engr., Bell Tel., Labs., Murray Hill, N. J. HINES, MORMAN M. (M'58), 631 N.W. 34 Ter., Gaines-wille, Fla.

- ville, Fla.
 HINES, PAUL P. (A'47), Pres., New England Instrument,
 320 Main St., Woonsocket, R. I.
 HINES, RICHARD L. (A'55), Sr. Aerophysics Engr., Convair,
 Grants Lane, Ft. Worth, Tex.
 HINES, WILBERT S. (A'44), Radio Engr., Air Force Missile
 Test Center, Cocoa, Fla.
 HING, KAYMANE L. (S'53-A'54), Sr. Project Engr.,
 Sperry Unah Engrg. Labs., 322 N. 21 St., W., Salt Lake
 City, Utah.
 HING, POCEPH B. 8. (S'57-M'59), Electronics Engr., No.
- HING, ROGER H. 8. (S'57-M'59), Electronics Engr., No. Amer. Aviation, Internati. Airport, Los Angeles, Calif. HINGS, DONALD L. (A'31-VA'39), Pres., Electronics Labs. of Canada, Ltd., 281 N. Howard Ave., Vancouver, 8. C., Canada.
- HINGS, HELMUT J. (M'56), Supvr., Antenna Group, RCA Victor Co., Ltd., 1001 Lenoir, Montreal, P. Q., Canada.

- HINGSON, GEORGE D. (A¹57), Electronics Technician, Communications, Natl. Aeronautics & Space Administration, Box 273, Edwards, Calif.

- tion, Box 273, Edwards, Calif.
 HINGSTON, ALLAN J. (M¹58), Engr., Mitre Corp., 244
 Wood St., Lexington 73, Mass.
 HINK, KENNETH G. (M¹53), Electronics Engr., Boeing
 Airplane Co., Wichita, Kan.
 HINKELMAN, THOMAS D. (A¹52), Mgr., Prod. Planning &
 Mkt. Research, Motorola, Inc., 5005 E. McDowell Rd.,
 Phoenix, Ariz.
- HINKLE, VERDA O., JR. (S'5B-M'59), Asst. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex. HINKLEY, J. WILLIAM (M'51-SM'52), Pres., Research Coro., 405 Lexington Ave., New York 17, N.Y. HINMAN, W. S., JR. (SM'54-F'57), Tech. Dir., Diamond Ordnance Fuze Labs., Ordnance Corps, U. S. Army, Wash-ington 25, D. C.

- ington 25, D. C.
 HINMERS, KENNETH J. (S'57-M'59), Jr. Systems Engr.,
 Philco Corp., 3B75 Fabian Way, Palo Alto, Calif.
 HINNERS, FRANK A. (IRE Charter Mem.) (A'12-M'15-F'26)
 (L), Pres., Hinners-Calanek Radio Corp., 66-02 Austin St.,
 Forest Hills 74, L.1., N.Y.
- HINO, RALPH H. (A'57), Electronics Engr., Convair, Pomona, Calif.

- HIND, RALPH H. (A'57), Electronics Engr., Convair, Pomoni Calif.

 HINRICHS, CARL A. (S'5B-A'59), Elec. Engr., McDonnell Aircraft Corp., Lambert Municipal Airport, St. Louis, Mo. HINRICHS, KARL (SM'57), Assoc. Dir., Research & Dev., Beckman Systems Div., 325 N. Muller, Anaheim, Calif, HINRICHSEN, ERNST H. (M'59), Test Engr., Hazeltine Electronics Corp., Little Neck 62, L. I., N. V.

 HINSDALE, EDWIN M., JR. (S'3B-A'40-SM'4B), Engr., RCA Labs., Princeton, N. J.

 HINSDALE, JAMES G. (SM'54), Sr. Engr., Motorola Research, Phoenix, Ariz.

 HINSHAW, RALPH M. (A'43), Communication Technician, Bonneville Power Administration, Franklin Sub-Sta., Pasco, Wash.

- N.Y.
 HIPP, THOMAS M. (S'55-M'56), Engr., Canadlan Westing-house Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.
 HIPPENSTEEL, MAX H. (S'57-M'59), Project Engr.,
 Hughes Aircraft Co., Culver City, Calif.
 HIPPERSON, JACK R. (S'56-M'59), Project Engr., LInfield
 Research Institute, McMinnville, Ore.
 HIPPLE, JOHN A. (SM'56), V. P. & Dir. of Research,
 North American Philips Co., Inc., Philips Labs., Irvingtonon-Hudson, N. Y.
- on-Hudson, N.Y.
- HIPSKIND, GLYNDON S. (M'57), Elec. Engr., RCA, Fostoria Rd., Findlay, Ohio.
 HIRAI, MASAICHI (M'56), Chief, Second Radio Wave Sect., Radio Research Labs., Ministry of Posts & Telecommunications, Japan, Kokubunji, P.O., Kitatamagun, Tokyo, Japan.
- HIRAIWA, DAVE S. (S'55-A'56), Elec. Engr., Admiral Corp., 3B00 W. Cortland, Chicago 47, III.
 HIRAOKA, FRED A. (A'51-M'56), Research Engr., Caltech Jet Propulsion Lab., 4B00 Oakgrove Dr., Pasadena, Calif. HIRASHIMA, HARRY K. (A'47-M'52), Staff Engr., Crosley Div., Avco Mg. Corp., 2630 Glendale-Milford Rd., Cincinnati 15, Ohio.
- HIRAYAMA, HIDEO (A'59), Pres., Dempa Shinbun, Inc., 2 Kanda, Matsuzumi-cho, Chiyoda-Ku, Tokyo, Japan. HIRO, EDWARD V. (M'59), Commercial Projects Mgr., Len-kurt Electric Co., Ltd., 701B Lougheed Hwy., Vancouver, B.C., Canada.
- HIRD, FREDERICK S. (A'47-M'53-SM'59), Transmission & Protection Engr., Northwestern Bell Tel. Co., 224 S. 5 St., Minneapolis, Minn.

- 5 St., Minneaporis, Minn.
 HIRDLER, RICHARD D. (SM'59), Engr., Nortronics Div.,
 The Northrop Corp., Anahelm, Calif.
 HIRES, JOHN B. (S'55-M'5B), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N. J.
 HIRLINGER, JOHN F. (4730-M'40-SM'43), Administrator,
 Tech., Personnel Programs, RCA, Electron Tube Div., Harrison. N. J.
- HIRMAN, LOREN E. (S'56-A'57), Instrumentation Technician, Convair, Edwards AFB, Calif. cian, Convair, Edwards AFB, Calir. HIRMANN, JULIUS (SM'55), Design Engr., RCA, Harrison,
- N. J.

 HIRNER, JOHN A. (S'51-A'52-M'57), Dev. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N. C.

 HIROTSU, GARY S. (S'50-A'52-M'57), Electronics Engr.,

 Sierra Electronic Corp., 3BB5 Bohannon Dr., Menlo Park,

 Calif.
- HIRSCH, ALBERT (A'52-M'5B), Assoc. Elec. Engr., Argonne Natl. Lab., Box 299, Lemont, III.
 HIRSCH, ALFRED E., JR. (S'50-A'51-M'56), Mem. Patent Staff, Bell Tel. Labs., Murray Hill, N.J.
 HIRSCH, BERNARD (S'5B-A'59), Elec. Engr., Belock Instrument Corp., 111-01 14 Ave., College Point 56, L.I., N.Y.

- L.I., N.Y.

 HIRSCH, CHARLES B., JR. (S'56-M'57), Assoc. Engr.,
 Union Carbide Nuclear Co., Oak Ridge, Tenn.

 HIRSCH, CHARLES J. (M'39-SM'43-F'51), Exec. V.P.,
 Hazaltine Research Corn., Little Neck 62, L.I., N.Y.

 HIRSCH, CHARLES O. (A'55), Capt., USAF, Box 11B,
 Post Office Bldg., Kelly AFB, San Antonior, Yea.

 HIRSCH, FOSTER (S'57-M'59), Sr. Elec. Engr., Stavid
 Engro., Inc., Rte. 22, Plainfield, N.J.

 HIRSCH, H. DUANE (M'57), Engr., Collins Radio Co.,
 Cedar Rapids, Iowa.

 HIRSCH, HENRY R. (A'55-M'57), Research Asst., MIT,
 Cambridge 39, Mass.

- HIRSCH, JULIAN D. (S'42-A'46-M'55), Sr. Engr., Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mount Vernon, N.Y.
- HIRSCH, MAX M. (Λ'54), Physicist, Universal Associates, 4B10 N. 11 St., Philadelphia 41, Pa.

- HIRSCH, OSCAR C. (A'26-M'44), Owner, WKRO., Pres., KFUS-TV, KFUS, KFMO & WHCO, 324 Broadway, Cape Girardeau, Mo.
- HIRSCH, PETER (S'5B-M'59), Bell Tel. Labs., Whippany,
- N.J. HIRSCH, RALPH M. (SM'5B), Dir., Systems Engrg., Teleprinter Corp., 26 Park Pl., Paramus, N.J. HIRSCH, ROBERT O. (A'52-M'57), Electronics Engr., Broadcasting Sta. KFVS-TV, 324 Broadway, Cape Girardeau, Mo.
- Giraroeau, Mr.
 HIRSCH, ROMALD B. (M'57), Engr., Instruments for Industry, Inc., 150 Glen Cove Rd., Mineola, L.I., N.Y.
 HIRSCH, SEYMOUR (S'57-M'5B), Elec. Engr., Polarad
 Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.

- Electronics Corp., 43-20, 34 St., Long Island City I, N.Y. HIRSCH, SEYMOUR C. (A'5B), Circuit Analyst, RCA Service Co., Camden B, N.J. HIRSCHBERG, JULIAN K. (4'51), Foreman Electronic Production, Chance Vought Aircraft, Dallas, Tex. HIRSCHBERG, WALTER J. (S'47-A'51-M'56), V.P., Dir., Engrg., ACDC Electronics, Inc., 2979 N. Ontario St., Burbank, Calif.
- HIRSCHEL, JOEL (S'57-A'58), Engr., Western Electric Co., 220 Church St., New York 13, N.Y. HIRSCHEL, LOUIS R. (A'49-M'55), Electronics Scientist, Naval Ordnance Lab., Silver Spring 19, Md.
- HIRSCHFELD, BENNO (SM'5B), V. P., INVICTUS, S.A. Radio e Televisao, R. da Consolação, 15B5, São Radio e Televi Paulo , Brazil ,
- HIRSCHFIELD, GERARD A. (S'50-A'50-M'56), Asst. Group Head, Dev. Engrg., System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.
- HIRSCHINGER, KURT (M*15B), Electronics Engr., System Development Corp., 2500 Colorado Ave., Santa Monica, HIRSCHL, LAWRENCE (M*15b), Mam. Tech. Staff, Space Technology Labs., Aviation & El Segundo Blvds., Hawthorne, Calif.
- HIRSCHLER, OTTO H. (A'52-M'57), Aeronautical Research Engr., Army Ballistic Missile Agency, Huntsville, Ala.

- Ala.

 HIRSCHMAN, HOWARD (S'50-A'53-M'5B), Project
 Coordinator, Remington Rand Univac, 19 & Allegheny,
 Philadelphia, Pa.

 HIRSH, JEROME (A'59), Electronic Technician, American
 Bosch Arma Corp., Garden City, L.I., N.Y.

 HIRSHBERG, WILLIAM L., JR. (M'59), Tech. Writer,
 Admiral Corp., 3B00 W. Cortland Ave., Chicago, III.

 HIRSHBERG, WILLIAM L., JR. (Chicago, III.

 HIRSHBAN, CYRIL L. (A'46-SM'4B), Chief Engr.

 Applications & Cathode Ray Tubes, Edison Swan Electric
 Swan Electric Co., Ltd., Cosmos Works, Brimsdown,
 Middle, England.
- Swan Electric Co., Ltd., Cosmos Works, Brimsdown, Middle, England.
 HIRSHON, JACK M. (M'5B), Engrg. Group Supvr., Lansdale Tube Co., Philoc Corp., Church Rd., Lansdale, Pa.
 HIRSHSON, ROBERT M. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 HIRST, WILLIAM B., JR. (S'41-A'49-M'55), Cmdr., Debuty Dir., Amed Services Electro-Standards Agency, Ft. Monmouth, N. J.
 HIRT, ANDREW J. ('53-A'54), Mfg. Engr., Liberty Mfg. Corp., 2747 Belmont Ave., Youngstown, Ohlo.
 HIRT, KURT (A'5B), Seyffer & Co., Inc., Badenerstrasse 265, Zurich, Switzerland.
 HIRTLE, ALLEN C. (M'56), Sr. Electronics Engr.,

- HIRTLE, ALLEN C. (M'56), Sr. Electronics Engr., Anderson-Nichols & Co., 150 Causeway St., Boston, Mass

- Mass.

 HIRVELA, ROBERT J. (S'54-M'57), USAF; Home: BO9

 Franklin St., Hancock, Mich.

 HIRVI, HENRY E. (S'50-A'53-M'57), Controls Engr.,

 Bethlehem Steel Co., E. Howard St., Quincy 69, Mass.

 HISAMOTO, ROBERT M. (M'57), Sr. Systems Design Engr.,

 Chance Vought Aircraft, Inc., Dallas, Tex.

 HISCOX, HAROLD C. (M'5B), Asst. Engr., Westinghouse

 Elec. Coro., Friendship Airport, Baltimore, Md.

 HISDAL, BJARNE (S'4B-A'50-M'55), Head Optics Dept.,

 Central Institute for Industrial Research, Blindern, Norway.

 HISER, ERNEST F., JR. (M'55), Field Engr., Stayl Fongr.
- HISER, ERNEST F., JR. (M'55), Field Engr., Stavid Engrg., Inc., Hwy 22, Plainfield, N.J. HITCHCOCK, DIAN R. (M'57), Systems Analyst, Systems Development Corp., 2500 Colorado Ave., Santa Monica, Calif.

- Calif.
 HITCHCOCK, R. C. (A'2B-M'30-SM'43), Consulting Engr., Syntron Co., Homer City, Pa.
 HITCHCOCK, RAY W. (M'56), Sr. Electronics Engr., Convair, Pomona, Calif.
 HITCHCOCK, ROBERT B. (A'59), Mem. Tech. Staff, Ramo-wooldridge Corp., Box 45534, Airport Sta., Los Angeles, 45, Calif.
- 45, Carir.
 HITES, WILLIAM H. (S'49-A'51-M'56), Sr. Design Engr.,
 Convair, Ft. Worth, Tex.
 HITNEY, CHARLES J. (M'56), Electronics Engr., ConvairAstronautics, San Diego, Calif.
 HITT, GEORGE C. (S'56-M'5B), Box 404, Bainbridge
 Air Base, Ga.

- Alr Base, Ga.

 HITT, JAMES J. (\$'50-A'53-M'57), Dev. Engr., Leeds & Northrup Co., 4901 Stemton Ave., Philadelphia 44, Pa. HITT, JOHN E. (A'57), Asst. Chief Engr., KSLA-TV, Box 92, Shreveport, La.

 HITT, WALLACE R. (\$'43-A'46-M'53-SM'57), Project Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz. HITTE, LORENZ A., JR. (A'53-M'5B), Systems Engr., Computer Dent., GE Co., Drawer 270, Phoenix, Ariz. HITTERDAL, ALLAN B. (M'5B), Research & Flight Test Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park, Santa Monica, Calif.

 HITTINGER, WILLIAM C. (A:55). Transistor Dov. 5-2-2

- Santa Monica, Calif
 HITTINGER, WILLIAM C. (A;55), Transistor Dev. Engr.,
 Bell Tel. Labs., 555 Union Blvd., Allentown, Pa.
 HITTNER, CHARLES (A'45-SM'54), Staff Dir., Engra.
 Prods. Div., Radio Receptor Co., 240 Wythe Ave., New
 York 11, N.Y.
 HITZ, GIFFORD D. (M'56), Electronics Engr., Litton
 Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 HITZEL, JOSEPH M. (5'57-M'59), 2nd. Lt., USAF, Home:
 C/O George Whitehill, 457 N. Chestnut St., Butler, Pa.
 HITZENHAMMER, ANTHONY de V. (A'46-SM'52), Maj.,
 Electronics Engr., Aerial Reconnalssance Lab., Wright
 Air Development Center, Box B295, Wright-Patterson
 AFB, Ohio.

- AFB, Ohio.
 HITZEROTH, ERIC J. (M'5B), Sr. Technician, Canadian Broadcasting Corp., Windsor, Ont., Canada.
 HIVELY, ROBERT R. (SM'56), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- HIX, RICHARD C. (S'50-A'51-M'56), Mgr., Carmel Project, Ampex Corp., B60 Charter St., Redwood City, Calif. HIXEMBAUGH, GEORGE P. (A'45-M'47), Chief Engr., WMT & WMT-TY, American Broadcasting Stations, Inc., Cedar Rapids, Iowa.
- Rapids, Iowa.

 HIXON, STUART M. (A'59), Electronics Technician, Southwest Research Institute, San Antonio, Tex.

 HIXSON, ELMER L. (S'4B-A'50-M'55-SM'57), Asst. Prof., Dept. of Elec. Engrg., Univ. of Texas, Austin, Tex.

 HIXSON, JOHN D. (M'47), Asst. Chief, Tech. Div., U. S. Army Signal Communication Security Agency, Arlington Hall Sta., Arlington, Va.
- HIXSON, W. CARROLL (M'55), Electronics Scientist, U. S. Naval School of Aviation Medicine, U.S. Naval Air Sta., Pensacola, Fla.
- Naval School of Aviation Medicine, U.S. Naval Air Sta., Pensacola, Fla.

 HJERMSTAD, HANS U. (J'29-A'30-VA'39), V.P., Sola Electric Co., 4633 W. 16 St., Chicago 50, III.; Pres., Electro-Seal Corp., 946 North Ave., Des Plaines, III.

 HJORTZBERG, A. BERNHARD (M'56), Design Engr., GE Co., Syracuse, N.Y.

 HLATKY, MICHAEL G. (M'57), Electronics Engr., Goodyear Aircraft Corp., Akron, Ohio.

 HLAVACEK, ANTHONY R. (S'50-A'52-M'5B), Sr. Applications Engr., CBS-Hytron, 900 Chelmsford St., Lowell, Mass. HLAVATY, EDWARD M. (A'47-M'55), Instrumentation Engr., USN Polaris Project, AFMTC, Patrick AFB, Fla.

 HLAVATY, LADISLAY F. (M'5B), Asst. Chief Engr., KUONTY, Univ. of Nebraska, Lincoln, Neb.

 HLAVIN, JOSEPH M. (M'59), Project Engr., HMED, GE Co., 3711 Erie Bivd., E., Dewitt, N.Y.

 HLAVKA, LLOYD F. (A'4B-M'55), Project Engr., Lenkurt Electric Co., 1105 Country Rd., San Carlos, Calif.

 HLAVNA, RICHARD S. (M'59), Asst. Engr., Avion Corp., 11 Park Pl., Paramus, N.J.

- HMELAR, STEVE L. (S'51-A'53-M'5B), Project Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Williams-ville 21, N.Y.

- Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Williams-ville 21, N.Y.

 HNAT, STEPHEN (M'56), Project Engr., IBM, Pough-keepsie, N.Y.

 HO, CHUN-FAI (M'56), c/o Mr. Joseph Huang, 39 Kingswood Ave., London, N.W. 6, England.

 HO, ER-CHUN (S'48-A'55), Mem. Tech. Staff, Hughes Aircraft Co., Los Angeles 45, Calif.

 HO, YU-CHI (S'54-M'55-SM'58), c/o Harvard Univ., Cambridge, Mass.

 HOABY, ERNEST A. (S'54-A'55-M'55), Instr., North Dakota Agricultural College, Fargo, N.D.

 HOADLEY, GEORGE B. (A'40-SM'45), Dept. Head, Elec. Engrs. Dept., North Carolina State College, Raleigh, N.C.

 HOADLEY, J. CARLISLE (A'45-M'49-SM'53), Supvy. Electronics Engr., Branch 230, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 HOAG, DWELLE S. (M'53), Radio Engr., U.S. Information Agency, Honolulu Relay Base, Box B6B, Waianae, Oahu, Hawaii.

 HOAG, ETHAND. (S'56-M'59), 2433-B Warring St.,

- Hawaii.

 HOAG, ETHAN D. (S'56-M'59), 2433-B Warring St.,
 Berkeley 5, Calif.

 HOAG, J. BARTON (M'2B-SM'43), Head, Science Dept.,
 USCG Academy, New London, Conn.

 HOAG, OLIVER (SM'53), Engrg. Sect. Head, Planning,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HOAGBIN, JOSEPH E. (M'53), Research Engr., Univ. of
 Michigan, Willow Run Airport, Yosilanti, Mich.

 HOAGLAND, ALBERT S. (S'50-A'54-SM'57), Sr. Engr.,
 Mgr., File Memory Research, IBM, San Jose, Calif.

 HOAGLAND, CLIFFORD C. (A'44-SM'51), Sect. Engr.,
 Philoc Corp., Wissahickon & Abbotsford Rd., Philadelphia, Pa.

 HOAGLAND, KENNETH A. (A'44-SM'52), Div. Mgr., In-
- delphia, Pa.
 HOAGLAND, KENNETH A. (A'44-SM'52), Div. Mgr., Industrial & Military Tubes, Thomas Electronics, Inc., 11B 9 St., Passaic, N.J.
 HOARD, GEORGE L. (M'21-SM'43), Prof., Elec. Engrg., Univ. of Washington, Seattle 5, Wash.
- Univ. of Washington, Seattle 5, Wash.
 HOARD, RONALD F. (5'56-M'57), Missile Test Engr.,
 Boeing Airplane Co., Seattle, Wash.
 HOBART, HARRY H. (A'5B), Mfg. Planner-Scheduler, Interstate Electronics Corp., 707 E. Vermont, Anaheim, Calif.
 HOBBIS, CHARLES E.W. (M'56), Electronics Scientist,
 Naval Research Lab., Washinoton 25. D.C.
 HOBBS, CHARLES A., JR. (M'55), Engr., RCA, Camden,
- HOBBS, CHARLES F. (A'41-M'46-SM'53), Chief, Comm. Theory Sect., Air Force Cambridge Research Center, Han-scom Field, Bedford, Mass.

- HOBBS, CHARLES F. (A'41-M'46-SM'35), Chief, Comm. Theory Sect., Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.
 HOBBS, EARL W. (SM'55), Engrg. Supwr., Circuit Analysis, McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo. HOBBS, FRANK B. (435-VA'39), V-P., Radio College of Canada, B6 Bathurst St., Toronto 2 B, Ont., Canada. HOBBS, FRANK II. (A'35-VA'39), V-P., & Treas., C. K. Components, 101 Morse St., Newton 5B, Mass.
 HOBBS, GILBERT H. (S'54-M'57), Systems Analyst, Douglas Aircraft Co., El Segundo, Calif.
 HOBBS, J. DAVID (SM'5B), Project Engr., Microwave Associates, Inc., Burlington, Mass.
 HOBBS, JAMES (S'49-A'50), Project Engr., Federal Telecommunication Labs., Nukley 10, N.J.
 HOBBS, LARRY L. (M'59), S. S. B. Dev. Engr., Gates Radio Co., 123 Hamsshire St., Quincy, III.
 HOBBS, LARRY L. (M'59), S. S. B. Dev. Engr., Ford Rd., Newbort Beach, Calif.
 HOBBS, MARVIN (A'35-M'41-SM'43), Dir., Defense Mktg., Genl. Instrument Corp., 65 Gouvermeur St., Newark, N.J.
 HOBBS, MARVIN (A'35-M'41-SM'43), Dir., Defense Mktg., Genl. Instrument Corp., 65 Gouvermeur St., Newark, N.J.
 HOBBS, NORRIS M. (S'43-A'48-M'55), Systems Engrg. Supvr., Northem Electric Co., Ltd., Box 6124 Montreal, P.Q., Canada.
 HOBBS, REVIS V. (A'50-M'55), Dev. Engr., WSM, Inc., 15 & Compton, Nashville 3, Tenn.
 HOBBS, WILLIAM E. (M'56), Transmission & Outside Plant Engr., The Chesapeake & Potomac Telephone Co. of Virginia, 703 E. Grace St., Richmond 19, Va.
 HOBBN, JACK L. (A'54), Mgr., Publicity & Corporate Advertising, Raytheon Mfg. Co., Waltham 54, Mass.
 HOBBA, STEPHEN W. (A'45-M'48), Mgr., Partner, The Research & Development Co., Sunnywood, Sycamore Rd., Farnborough, Hants., England.
 HOBBERG, GEORGE G. (S'48-A'49-M'55-SM'56), Asst., Dir., Engrg., File-Dynamics, Irc., 5000 Parkside Ave., Philadelphia, Pa.

- HOBERG, OTTO A. (A'52^f), Chief, Missile Instrumentation Dev. Branch, Guidance & Control Army Ballistic Missile Agency, Huntsville, Ala.
 HOBERMAN, IRA (S'55-A'56), Tech. Writer, Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.
 HOBERMAN, MAX J. (S'47-4'52-M'56-SM'5B), Chief Engr., Bergen Labs., 247 Crooks Ave., Clifton, N.J.
 HOBSON, JESSE E. (M'45-F'56), V.P., Dir., Rescarch, United Fnit Co., BO Federal St., Boston 10, Mass.
 HOBSON, NORMAN L. (S'4B-A'50), Design Engr., RCA, Camden 2, N.J.

- Camden 2, N.J.

 OBSON, RICHARD E. (S'52-A'54), Semiconductor Equipment Engr., F.V. Topping Electronics, Ltd., 94 Laird Dr., Toronto, Ont., Canada.

 HOBSTETTER, JAMES P. (A'55), Engre, Sales Ren., Hobstetter-Soenke, 131 N. Ludlow, Dayton 2, Ohio.

 HOCH, FRED R. (S'54-M'5B), Research Engr., Alcoa Research Labs., Box 772, New Kensington, P.A.

 HOCH, ORION L. (S'54-M'57), Sr. Engr., Litton Industries, 980 Industrial Rd., San Carlos, Callí.

 HOCHDORF, MARTIN (S'45-A'48-M'55), Supvr., Computing Center, Tennessee Valley Authority, Chattanooga, Tenn.

 HOCHMAN, DANIEL (A'53-M'55-SM'57), Mgr., Electronics Design, Lockheed Missile & Space Div., Palo Alto, Callí.

- Calif.

 HOCHMAN, ROBERT J. (S'56-M'57), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L. I., N.Y.

 HOCHMAN, SEYMOUR (S'47-A'49-M'55), Pres., S. &. S.

 Associates, Inc., Box 6, King of Prussla, Pa.

 HOCHMER, SYDNEY V. (A'59), Quality Control Lab. Supvr.,
 Canadian Westinghouse Co., Brantford, Ont., Canada.

 HOCHWALD, WALTER (SM'56), Supvr., Research & Dev.

 of Airborne Computing Equipment, Autonetics Div., No.
 Amer. Aviation, Downey, Calif.

 HOCK, ROY E. (A'53-M'5B), Mgr., Systems Engra. Deck.,
 Contract Engra. Div., Technitrol Engra. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.

 HOCK TAW. C. (A'47-M'56), Sr., Instr. (Radio Engrg.),
- HOCK, TAW, C. (A'47-M'56), Sr. Instr. (Radio Engrg.), Govt. Tech. School, Baleistler Rd., Singapore, Strait Settlements.
- Settitements.

 HOCKEIMER, HENRY E. (M'52), Mgr., Philco Corp.,
 4700 Wissahickon Awe.. Philadelohla 44. Pa.
 HOCKENBERGER, FRED R. (M'58), Tech. Rep., North
 American Associates, 1039 N.E., 72 St.. Miami. Fla.
 HOCKENJOS, ROBERT M. (S'49-A'50-M'58), Engr.,
 New York Telephone Co., 260 E. 161 St., New York
 51 N. V.

- New York Telephone Co., 260 E. 161 St., New York 51, N.Y.

 HOCKER, DDNALD E. (S'56-M'5B), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 HOCKER, JAMES P. (M'45), Research Lab., Coming Glass Works, Coming, N.Y.

 HOCKETT, STACY H., JR. (S'55-M'57), Design Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 HOCKETT, STEVEN W. (M'5B), Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 HOCKIN, WILL(AM J. (S'50-A'51-M'56), Area Signal Officer, Saskatchewan Area Derk. Natl. Defense, Winnipeg & B Ave., Regina, Sask., Canada.

 HOCKING, L. JOHN (S'49-A'50), Sr. Research Analyst, Melpar, Inc., 440 Swan Ave., Alexandria, Va.

 HODAPP, EDWARD W., JR. (A'57), Electro Mech. Designer, Norden Labs., 121 Westmoreland Ave., White Plains, N.Y.

 HODDER, RICHARD M. (S'57-M'59), Design & Dev. Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City, N.Y.
- HODDER, WAYNE K. (S'43-A'44-M'55), Engr., Consolidated Electrodynamics Corp., 300 N. Sierra Madre Villa, Pasadena, Calif.
- rasavena, Jaili,

 Noble 1, E. VINSON (A'55), Electronics Maint. Supvr.,

 Dept. of Transit & Traffic, City of Baltimore, 401 E. Pratt

 St., Baltimore 2, Md.

 HODES, ISIDORE (M'59), Assoc. Prof., Univ. of Notre Dame,

 Notre Dame, Ind.

- Note Dame, Ind.

 HODGDON, HOWARD W. (M'56), Standards & Components Engr., The Mitre Corp., Lexington 73, Mass.

 HODGE, A. H. (S'32-VA'39-M'55), Physicist, Ballistic Research Lab., Aberdeen Proving Ground, Md.

 HODGE, BARTOW (M'57), Industrial Process Control, 18M, Box 218, Yorktown Heights, N.Y.

 HODGE, JACK (A'33-M'48), Asst. Project Engr., No. Amer. Aviation, Downey, Calif.

 HODGE, JOE D. (S'53-A'55), Engr., RCA Service Co., 100 Public Sq., Cleveland, Ohio.

 HODGE, MELVILLE H., JR. (A'52-M'57), Asst. Mgr., Research, Administration, Missiles & Space Div., Lockheed Aircraft Corp., 3251 Honover St., Palo Alto, Calif.

 HODGE, NORMAN H. (S'49-A'51-M'56), Engr., Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal, P.Q., Canada.
- Canada.

 HODGE, RICHARD M. (A'54), Sr. Research, Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio.

 HODGE, ROBERT B., JR. (S'56-M'57), Flight Test Engr., Convair, Ft. Worth, Tex.

 HODGE, THOMAS P. (M'57), Foreman of Advanced Development & Research Lab., CBS-Hytron, Kent & Warren Sts., Newburyport, Mass.
- HODGE, WILLIAM H. (S'57-M'59), Engr. '8', RCA,
- MODGES, ALBERT R. (A'33-M'39-SM'43), Patent Attorney, Western Electric Co., 195 Broadway, New York 7, N.Y.

- ney, Western Electric Co., 149 Broadway, New York /N.Y.

 HODGES, ARTHUR J. (M'58), Sr. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 HODGES, E. MANNING (S'49-A'51-M'56), Sect. Supvr., Sandla Corp., Sandla Base, Albuquerque, N.M.

 HODGES, ELDRED B. (A'46-M'57), In Chg. Research
 Div., Construction, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 HODGES, GUY W. (A'55), Branch Mgr., IBM, Utica, N.Y.

 HOGGES, MALCOLM F. (A'43-M'45-SM'51), Electronics
 Engr., Navy Dept., Bureau of Ships, Constitution Ave.,
 Washington 25, D.C.

 HODGES, PAUL (S'56-M'57), Ens., Civil Engr., Corp.,
 USN & Design Construction Officer, U. S. Naval Training
 Center, San Diego, Calif.

 HODGES, TELLMAN R. (S'56-A'59), 5813 Tackett Ct.,
 Ft. Worth, Tex.

HODGES, WILLIAM J. (M'58), Mem. Tech. Staff, Com-munications Div., Hughes Aircraft Co., Box 90902, Los Angeles 45, Calil. HODGIN, DAVID M., JR. (S'46-A'48-M'54-SM'5B), Engrg. Group Head, Collins Radio Co., Cedar Rapids,

- 219 -

- HODGIN, RALPH M., JR. (S'53-A'54), Engr., GE Co., Syracuse, N.Y. HODGKINS, ROGER W. (A'36-VA'39-SM'50), Chief Engr., Guy Gammett Broadcasting Services, 390 Congress St., Portland 3, Me.
- St., Portland 3, Me.

 HODGKINSON, WILLIAM S. (A'49-M'55), New England
 District Mgr., Electronics, McGraw-Hill Pub. Co., 350
 Park Sa. Bldg., Boston 16, Mass.
 HODGSKISS, WILLIAM L. (S'56-M'57), USN, Home: 215
 Mary Ave., Missoula, Mont.
 HODGSON, ALAN (M'57), Mgr., Special Projects, Group 1,
 T. P. Engro, RCA Victor Co., Ltd., 1001 Lenoir St.,
 Montreal, P. Q., Canada.

- Montreal, P. U., Canada.

 HODGSON, ALAN D. (4/31-SM'49), Consulting Engr.,
 Telecommunications, RadioLab, C.Á., El Carbe, 4 Ave.,
 Los Palos Grandes, Caracas, Venezuela.

 HODGSON, CHRISTOPHER C. V. (4/44-M'45), Chief
 Regional Test Engr., Rediffusion (N.E.), Ltd., 79/81,
 Blackett St., Newcastle-upon-Tyne 1, England.
- Blackett St., Newcastle-upon-Tyne 1, England.
 HODGSON, DONALD J. (S'54-M'56), Project Engr.,
 Land-Air, Inc., Holloman AFB, Alamogordo, N.M.
 HODGSON, JAMES C. (A'5B), Field Engr., Raytheon Mfg.
 Co., Waltham, Mass.
 HODGSON, RICHARD (M'47-SM'51), Exec. V.P.,
 Fairchild Camera & Instrument Corp., Robbins Lane,
 Syosset, L.I., N.Y.
 HODGSON, RICHARD W. (A'45-SM'55), Exec. V.P.,
 Armoux Corp., 11924 W. Washington Blvd., Los Angeles
 66, Calif.
 HODGSON, VELDON R. (A'55), Sr. Electronics Engr.,

- 66, Calif.
 HODGSON, VELDON R. (A '55), Sr. Electronics Engr.,
 Convair-Astronautics, Box 1128, San Diego, Calif.
 HODINA, EDWARD G. (S '56-M '58), Dev. Engr., ThompsonRamo-Wooldridge Corp., 2196 Clarkwood Rd., Cleveland 3,

- Ramo-Wooldridge Corp., £196 Clarkwood Rd., Cleveland J, Ohio.

 HODOWANEC, GREGORY (M'56), Engr., Prod. Dev., RCA, Harrison, N. J.

 HODSOON, JAMES S. (A'53-M'57), Test & Dev. Engr., Kaman Aircraft Corp., Bloomfield, Corn.

 HODSON, LESLIE A. (SM'57), Project Leader, RCA, Moorestown, N. J.

 HODSON, LOYD M. (A'54-M'59), Group Engr., Power Systems Design, Martin Co., Box 173, Denver, Colo.

 HODSON, RICHARD B. (A'57), Engr., GE Co., Black Canyon Hwy, Phoenix, Ariz.

 HODSON, WALDO G. (A'41-M'46-SM'48), Research Scients, Titan Program Office, Space Technology Labs., 5730 Arbor Vitae St., Los Angeles 45, Callf.

 HOECHNER, IRVIN L. (S'56-M'59), Prod. Engr., Federal Telephone & Radio, 100 Kingsland Rd., Clifkon, N. J.

 HOEDEMAKER, ROBERT W. (S'50-A'52-M'57), Engr.,
- Telephone & Radio, 100 Kingsland Rd., Clifton, N. J. HOEDEMAKER, ROBERT W. (S'50-475-2M-57), Engr., Astro-Electronic-Prods. Div., RCA, Princeton, N. J. HOEFENER, CARLE. (S'49-4750), Western District Sales Mgr., Applied Science Com. of Princeton, 15551 Cabrito Rd., Van Nuys, Calif. HOEFER, JOHN J. (M'55), Asst. Sr. Engr., Bendix Aviation Comp., 95 & Troost Sts., Kansas City, Mo. HOEFER, WILLIAM G. (A'51-M'56), Engr., GE Co., Syracuse, N. Y.
- - Syracuse, N. Y.
 HOEFLE, ROBERT R. (S'50-A'51-M'56-SM'59), Project
 Engr., Booz-Allen Applied Research, Inc., 408 W. Main
 St., Fairborn, Ohio.
 - HOEFLER, FREDERICK J. (S'54-A'55), Electronics Technician, New York Testing Labs., Inc., 47 West St., New York, N.Y.
 - NOTE OF THE PROPERTY OF THE PROPERTY OF A THE PR

 - Mich.

 HOEHN, GUS L., JR. (M'54-S'56-M'59-SM'59), Sr. Research Technologist, Magnolia Petroleum Co., Box 900, Dallas 21, Tex.

 HOEKE, FRED W. (M'56), Elec. Engr., Electro Mech, Research, Inc., Sarasota, Fla.

 HOEKUE, JAMES W. (A56-M'58), Asst. Chief Design Engr., Wheaton Engr. Corp., 920 Manchester Rd., Wheaton, Ill.

 HOEKSTEA, BOBERT IR (S'54-M'56), Instr. Dent Flec.

 - HOEKSTRA, ROBERT JR. (S'54-M'56), Instr., Dept. Elec. Engrg., New York Univ., 1B1 St. & University Ave., Bronx 53, N. Y.

 - HOELDERICH, WALTER A. (S'55-M'57), 240 E. 21 St., New York 10, N.Y. HOELKE, WILLIAM D. (M'58), Field Engr., Microwave Systems, Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex.
 - HOELLE, HERBERT J. (A'59), 615 Hayes Dr., Lynchburg,

 - Va.

 NOEPER, H. BENNER (S'37-A'50), Mgr., AMR
 Operations, GE Co., DSD, Box 4247, Patrick AFB, Fla.
 HOEPFNER, KARL B. (A'48-M'55), Chief, Major Calibre
 Systems Sect., Research & Dev. Oiv., Frankford Arsenal,
 Philadelphia 37, Pa.
 HOEPPNER, CONRAD H. (SM'47-F'5B), Chief Scientist,
 Radiation, Inc., Melbourne, Fla.
 HOERNER, EARL F. (M'56), Medical Dir., Rehabilitation
 Unit, New dersey Orthopaedic Hospital, 179 Lincoln Ave.,
 Orange, N. J.
 HOERNI, JEAN A. (M'57), Fairchild Semiconductor Corp...

 - Orange, N.J.
 MCRNI, JEAN A. (M'57), Falrchild Semiconductor Corp.,
 B44 Charleston Rd., Palo Alto, Calif.
 MOFECKER, We, JAY (M'57), Instr., Elec. Engrg. Dept.,
 The Pennsylvania State Univ., University Park, Pa.
 HOFELD, JACK G. (M'53), Sales Engr., RCA, 501 N.
 LaSalle St., Indianapolis 1, Ind.

- HOFF, HENRY B. (J'30-M'46), Plant Supvr., The Ohio Bell Tel.Co., B20 Superior Ave., N.W., Cleveland 13, Ohio.
- 13, Ohio

 HOFF, KNUT (S'43-A'44-M'49-SM'51), Research Specialist, Lockheed Missile & Snace Div., Woodley Ave., Van Nuys, Calif.

 HOFF, PAUL T. (S'51-M'56), Assoc. Engr., Underwood Corp., 56 Arbor St., Hartford 6, Conn.

 HOFF, ROBERT S. (A'46-M'49-SM'56), Project Mgr., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 HOFF, RODNEY G. (A'52-M'56), Research Engr., Atomics Internati, Canoqa Park, Calif.

 HOFFART, HENRY M. (A'49), Research Specialist, Lockheed Aircraft Co., Missile & Space Div., Box 504, Sunnyvale, Calif.

- DO4, Sunnyvale, Calif.
 HOFFER, JULIUS M. (A'5B-M'5B), Standards Engr.,
 Raytheon Mfg. Co., Wayland, Mass.
 HOFFER, LOUIS H. (A'54), Owner, Hoffer Electronics,
 122-21 111 Ave., South Ozone Park, L.I., N.Y.
 HOFFER, RICHARD L. (S'5B-M'59), Box 56B, Ft.
 Huachuca, Ariz.

- Huachuca, Ariz.
 HOFFERBER, HENRY E. (M'57), Elec. Engr., Collins
 Radio Co., Cedar Rapids, Iowa.
 HOFFMAN, CHARLES (S'55-M'5B), Engr., Reconnaisance
 Systems, Airborne Instruments Lab., Mineola, L.I., N.Y.
 HOFFMAN, CHARLES P. (S'51-A'52-M'56), Engr.,
 Westinphouse Elec. Corp., Friendship Internatl. Airport,
 Baltimore, Md.

- Westingnoise Elec. Corp., Friendsing internat. Airport, Baltimore, Md.

 HOFFMAN, CHARLES W. (A'52-M'57), Electronics Scientist, David Taylor Model Basin (USN), Code 234, Washington 7, D.C.

 HOFFMAN, CLYDE H. (A'54-M'57-SM'59), Asst. Prof., Univ. of Notre Dame, Elec. Engrg. Dept., Notre Dame, Ind. HOFFMAN, DAVID (SM'57), Research Scientist, New York Univ., Universty Heights, NewYork 73, N,Y.

 HOFFMAN, EDMUND (A'54), Sr. Engr., G & I Div., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 HOFFMAN, EUGENE J. (A'36-M'42-SM'43), V.P., Johnson & Hoffman Mig. Corp., 31 E. 2nd St., Mineola, 1, L.I., N,Y.

 HOFFMAN, GEORGE (A'51-SM'56), Sr. Electronics Engr., Arma Div., Roosevelt Field, Garden City, L.I., N,Y.

 HOFFMAN, GEORGE R. (S'49-A'50-M'56), Master Electronics Engr., Trans World Airlines, Inc., MCI Airport, Parkville, Mo.

- College Park, Md.

 HOFFMAN, JERROME (S'55-M'58), Engr., GE Co.,
 Syracuse, N.Y.

 HOFFMAN, JOHN D. (A'43-S'47-A'51), Asst. Chief Engr.,
 Communications, Trans-Arablan Pipeline Co., 505 Park Ave.,
 New York 22, N.Y.

 HOFFMAN, JOHN R. (M'59), Research Scientist, Nuclear
 Div., Kaman Aircraft Coro., Albuquerque, N.M.

 HOFFMAN, JOHR R. (M'52), V. P., Transcontinent Television Corp., 70 Niagara St., Bulfalo 2, N.Y.

 HOFFMAN, LA RUE A. (S'43-A'51-M'56-SM'59), Sect.
 Head, Space Technology Labs., Inc., 5500 El Segundo
 Blvd., Los Angeles 45, Calif.
 HOFFMAN, LAWENCE (S'50-A'51-M'56), Principal

- Blvd., Los Angeles 45, Calif.

 HOFFMAN, LAWRENCE (S'50-A'51-M'56), Principal Engr., (Electronics), Emerson Research Labs., 701 Lamont St., N.W., Washington 10, D.C.

 HOFFMAN, LAWRENCE E (A'47-M'57), Field Engr., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

 HOFFMAN, MURRAY (M'56), Supvr., Waves & Antennas Group, Philico Research Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 HOFFMAN, MURRAY (A'48-M'54-SM'57), Supvr., Systems Integration, Automatic Test Systems, Nortronics Div., Northrop Aircraft, Inc., 500 E. Orangethorpe Ave., Anaheim, Calif.

 HOFFMAN, NELSON N. (S'53-M'56), Group Supvr., SSE

- rop AirCraft, Inc., 500 E. Orangetinipe ave., Allahemi, Cal HOFFMAN, NELSON N. (S'53-M'56), Group Supvr., SSE Research Div., Philco Corp., C & Tioga Sts., Philadelphia 34, Pa. HOFFMAN. PAUL (M'59), Engr., RCA, Camden. N. J. HOFFMAN, PAUL, JR. (A'51), Mgr., Cost Control Dept., Federal Telephone & Radio Co., 100 Kingsland Rd., Clifton, N.J.

- Federal Telephone & Radio Co., 100 Kingsland Rd., Clifton, N.J.

 HOFFMAN, PHILIP A. (A'47-M'55), Partner, Towson Labs., 514 Piccadilly Rd., Towson 4, Md.

 HOFFMAN, PHILIP R. (SM'55), Pres., P. R. Hoffman Co., 321 Cherry St., Carlisle, Pa.

 HOFFMAN, PHILIP R. (SM'55), Pres., P. R. Hoffman Co., 321 Cherry St., Carlisle, Pa.

 HOFFMAN, RYMOND R. (A'34-M'37-SM'43), V.P., Research Keystone Carbon Co., State St., St Marys, Pa.

 HOFFMAN, RICHARD D., (A'54), Engr., KBAK-TV, 29 Woody Rd., Bakersfield, Calif.

 HOFFMAN, RICHARD Y., JR. (A'41-M'49), Contract Mgr., Motorola, Inc., 8201 E. McDowell Ave., Phoenix, Ariz.

 HOFFMAN, ROBERT J. (A'53), Research Engr., Lockheed Aircraft Corp., Palo Alto., Calif.

 HOFFMAN, ROBERT J. (M'59), Simulation Engr., Goodwar Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 HOFFMAN, ROBERT S. (S'50-A'51-M'56), Staff Engr., Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.

 HOFFMAN, ROSS B. (A'31-M'42-SM'43), Internatl. Standard Electric Corp., 67 Broad St., New York, N.Y.

 HOFFMAN, RUSSELL A. (A'57), Test Lab. Supvr.

 Hazeltine Electronics Corp., 59-25 Little Neck Pkwy., Little Neck, L.I., N.Y.

 HOFFMAN, THEDONC S. (A'56), Dir., Industrial Relations, Hoffman Electronics Corp., 3761 S. Hill St., Los Angeles 7, Calif.

 HOFFMAN, THEODORE S. (A'56), Dir., Industrial Relations, Hoffman Electronics Corp., 3761 S. Hill St., Los Angeles 7, Calif.

- HOFFMAN, WALTER R. (A'23-VA'39), Tech. Publications Engr., Navy Projects, Western Electric Co., Winston-Salem, N.C.
 HOFFMAN, WILLIAM C. (M'5B), Methematician, Hughes Research Labs., Malibu, Calif.
 HOFFMANN, ERIC H. (M'51), Asst. Sr. Prod. Engr., Bendix Aviation Corn., Teterboro, N.J.
 HOFFMANN, GERHARD E. (S'56-M'57), Sr. Engr., Scope, Inc., Fairfax, Va.
 HOFFMANN, GOTFRED O. (A'53), Sales Engr., The A.W.
 Haydon Co., 240 N. Elim St., Waterbury 20, Conn.
 HOFFMANN, HARDLD J. (M'56), Instr., Physics & Electricity, La Habra High School, BO1 W. Rose, La Habra, Calif.
- Habra, Calif.
 HOFFMANN, JEAN A. J. L. (A'56), Prof., Brussels Univ.,
 50 Ave., F.D. Roosevelt, Brussels, Belgium.
 HOFFMANN, KENNETH G. (S'49-A'53-M'57), Elec. Engr.,
 RFD 3, Box 200, Flemington, N. J.
 HOFFMANN, RICHARD R., JR. (A'49-M'55), Elec. Engr.,
 Polytechnic Research & Dev. Co., 202 Tillary St.,
 Brooklyn 1, N.Y.
- HOFFMANN, WALTER H. (S'54-M'57), Assoc. Standards Engr., Underwriters' Lab., Inc., 161 6 Ave., New York 13, N.Y.
- 13, N.Y.

 HDFFMANNER, GEORGE H. (S'56-M'58), Electronics
 Engr., Aircraft Armaments, Inc., Cockeysville, Md.

 HOFFSTETTER, GEORGE E. (M'56), Genl. Operations
 Supvr., Western Union, 60 Hudson St., New York 13, N.Y.

 HOFFSUEMMER, MATTHEWA. (A'5B), Sr. Technician,
 Smith-Corona Marchant, 472 Park Ave., Highland Park, III.

 HOFLER, EDWARD V. (M'58), Prod. Engr., IBM, Kingston, N.Y.
- HOFLER, JOHN J. (A'55), Mgr., Systems Engrg., IBM,
- Kingston, N.Y.
 HOFMANIS, ILMARS A. (M'59), 1555 E. 15 St.,
 Brooklyn 30, N.Y.

- Brooklyn 30, N.Y.
 HOFMANN, ERHARD J. (S'52-A'55), Staff Mem., Lincoln Lab., MfT, Lexington 73, Mass.
 HOFMANN, H. ROBERT (S'56-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.
 HOFMEISTER, LUCIEN A. (A'56), Research & Dev. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
 HOFMOCKEL, DONALD L. (S'53-A'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

- Bell Tel. Labs., Whippany, N.J.
 HOFSTETTER, EDWARD M. (S'55-M'56), Research Asst.,
 MIT. Cambridge 39, Mass.
 HOFT, WILLARD L. (A'54), Digital Engr., RCA Service
 Co., White Sands Proving Grounds, N.M.
 HOGAN, ALSEDE W. (M'49), Specialist Dev., Goodyear
 Aircraft Corp., Litchfield Park, Ariz.
 HOGAN, C. LESTER (SM'54), Genl. Mgr., Semiconductor,
 Prods. Div., Motorola, Inc., 5005 E. McDowell Rd.,
 Phoenix, Ariz.
- Phoenix, Ariz.

 HOGAN, CHARLES M. (SM'49), Patent Lawyer, Avco Mfg. Corp., (Crosley), 1329 Arlington St., Cincinnati 25, Ohio. HOGAN, DOUGLAS L. (A'52-SM'55), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 HOGAN, EARL V., JR. (S'48-A'49-M'55-SM'55), Project Mgr., GE Co., Utica, N.Y.

 HOGAN, GEORGE D. (S'57-M'59), 7301 Forest Rd., Kent Village, Hyattesville, Md.

 HOGAN, HAROLD A. (A'50-M'55), Sr. Project Engr., AC Spark Plug Div., GMC, 1925 E. Kenilworth Pl., Milwaukee 2, Wis.

- HOGAN, JAMES D. (A'53-M'59), Mem. Tech. Staff, Space Technology Labs., 5740 Arbor Vitae Ave., Los Angeles 45,
- HOGAN, JAMES R. (A'56), Assoc. Engr., Booz Allen Applied Research, Inc., 40B W. Main St., Fairborn, Ohio. HOGAN, JOHN F. (A'56), Natl. Distributor Sales Mgr., Rogers Electronic Tubes & Components, 116 Vanderhoof
- ROGEN, JUHN F. (A'26), Natl. Distributor Sales Mgr., Rogers Electronic Tubes & Components, 116 Vanderhoof Ave., Toronto 17, Ont., Canada.

 HOGAN, JOHN V. (A'56-SM'56), Asst. Chief Engr., Hogan Labs., Inc., 155 Perry St., New York 14, N. Y.

 HOGAN, JOHN V.L. (IRE Charter Mem.) (A'12-M'12-F'15) (L), Pres., Hogan Labs., Inc., 155 Perry St., New York 14, N. Y.
- HOGAN, JOSEPH C. (M'55), Prof., Elec. Engrg., Univ. of Missouri, Columbia, Mo.
 HOGAN, MICHAEL J. (A'56), Dir., Sales, Superior Electronics Corp., 208 Piaget Ave., Clifton, N.J.
 HOGAN, WILLIAM D. (S'50-A'51-M'55), Sect. Head, Semiconductor Field Engrg., Sylvania Elec. Prods., Inc., Woburn, Mass.
- HOGE, HENR) H. (M'56), Chief Electronics Engr., Advanced Research Associates, Inc., 4130 Howard Ave., Kensington, Md.
- HOGE, ROBERT R. (M'56), Electronics Engr., Nucleonic Instruments, Bendix Aviation Corp., Box 5115, Detroit 35, Mich.
- MICH.

 MOGENCAMP, HAROLD C. (A'37-M'42-SM'43), Owner,
 Chief Engr., Tu Projects Inst., Television Service Labs.,
 1340 11 Ave., Columbus, Ga.

 HOGER, DONALD T. (S'54-A'55), Dev. Engr., RCA,

- HOGER, DONALD T. (S'54-A'55), Dev. Engr., RCA, Camden 2, N.J., Camden 2, N.J., HOGG, DAVID C. (SM'57), Mem. Tech. Staff, Bell Tel. Labs., Holmdel, N.J., MoGG, E. LIVINGSTON (M'55-SM'55), Dir., Livingston Labs., Ltd., Retcar St., London N. 19, England. HOGG, FOREST G. (SM'56), Southern Region Rep., Military Electronics Div., Motorola, Inc., 91.2 Bob Wallace Ave., S.W., Huntsville, Ala. HOGG, JACQUE A. (SM'55), Design Specialist, Convair-Astronautics, San Diego 10, Calif. HOGG, JAMES C., JR. (S'49-A'50-M'59), Research Engr., West Point Mfg. Co., Shawmut, Ala. HOGG, JOHN E. (S'39-A'42-M'46), Regional Mgr., Western Region, Computer Dept., GE Co., 951 Commercial St., Palo Alto, Calif.

- St., Palo Alto, Calif.

 HOGGAN, MELVIN J. (A'52), Design Engr. & Owner,
 Hoggan Engro. Co., 142 E. 21 S., Salt Lake City 5, Utah.

 HOGGARTH, KENNETH G. (S'53-A'57), Jr. Engr., Melpar,
 Inc., 3006 Arlington Blvd., Falls Church, V.A.

 HOGGE, CHARLES R., JR. (S'52-A'53-M'5B), Engr.,
 Microwave Communication, Westinghouse Elec. Corp., Box
 7425, Halethorpe 27, Md.

 HOGGE, EDWARD C. (A'56), Leadingman, Electrician
 Ordnance Equipment, U.S. Naval Mine Depot, Yorktown, Va.

 HOGIE, WELDON I. (S'41-A'45-M'55), TV Technician,
 WCCO-TV, 50 S. 9 St., Minneapolis, Minn.

- HOGIN, JAMES L. (S'56-M'5B), Instr., San Jose State College, San Jose, Calif. HOGLE, ROBERT C. (S'45-A'49-M'55), Prod. Design Engr., Ford Motor Co., Box 2053, M.B. Sta., Dearborn, Mich.

- Mich.

 HOGLUND, J. BERTIL (M'58), Research Assoc., Chalmers
 Univ. of Technology, Gothenburg, Sweden.

 HOGLUND, KENNETH M. (S'55-M'59), Component Engr.,
 Remington Rand Univac, St. Paul 16, Minn.

 HOGLUND, RALPH H. (S'42-A'44-M'45-SM'55), Toll
 Transmission Engr., The Pacific Telephone & Telegraph
 Co., 1200 3rd Ave., Seattle 1, Wash.
- HOGRABE, HARRY J. (A'57), Package Engr., Collins Radio Co., Cedar Rapids, Iowa. HOGSTON, CLIFFORD R. (A'56), Field Rep., Missile Div., Chrysler Corp., Huntsville Ind. Center, Huntsville, Ala. Chrysler Corp., Huntsville Ind. Center, Huntsville, Ala HOGUE, DAVID C. (S'56-M'5B), Specialist, 4th Class U.S. Army, Det. 2(1600), U.S. Army Chemical Center

- Chrysler Cord., Huntsville Ind. Center, Huntsville, Ala. HOGUE, DAVID C. (S'56-M'5B), Specialist, 4th Class, U.S. Army, Det. 2(1600), U.S. Army Chemical Center, Md. HOGUE, GEORGE E. (S'51-A'52-M'57), Sr. Engr., Westinghouse Elec. Corn., Box 746, Baltimore 3, Md. HOGUE, LEELAND H. (S'54-A'55), Staff Asst., Sandia Corn., Sandia Base, Alburquerque, N.M. HOGUE, NOEL E. (SM'5B), Project Engr., Collins Radio Co., Cedar Rapids, Jowa.
 HOGUE, WAYNE T. (M'55), Sr. Aerophysics Engr., Convair, Box 748, Ft. Worth, Tex.
 HOHBERGER, HALLAND P. (A'55), Salesman, Automatic Electric Sales Corn., 21 E. 40 St., New York 16, N.Y. HOHENHAUS, HAROLD A. (A'54-M'58), Research Engr., Missile Dev. Div., No. Amer. Avuition, Downey, Calif. HOHERMUTH, HANS U. (M'50), Engr., Schweizerische Bundesbahn, Dasermenstrasse 95/97, Zurich 1, Switzerland. HOHMANN, VINCENT R. (S'56-M'579), Box 155, 4751s ABRON, Elgin AFB, Fla.
 HOHMANN, CHARLES R. (M'5B), Sr. Design Engr., Jensen M'9. Co., 6601 S. Larame, Chicago, III.
 HOHMANN, GRALD D. (S'50-A'51-M'57), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York N.Y.
 HOHMANN, LAWRENCE A., JR. (S'50-M'51-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 HOHMANN, ROBERT E. (M'5B), Mgr., Research & Dev. Writing, IBM, Kingston, N.Y.
 HOHN, FRANZ E. (A'54), Assoc. Prof., Dept. of Mathematics, Univ. of Illinois, 374 Altgeld Hall, Urbana, III.
 HOHOS, JOSEPH A. (A'52), Chief, Mech. Engr., Scope, Inc., Fairfax, Va.
 HOISINGTON, DAVID B. (S'139-A'41-M'44-SM'49), Prof., Clec. Engr., Univ. Calif., Chief Engr., 150

- Chief Engr., David B. Hoisington, Consulting Engr., 150
 El Cammito, Carmel Valley, Calif.
 HOK, GUNNAR (A'31-SM'46-F'57), Prof., Elec. Engrg.,
 Univ. of Michigan, Ann Arbor, Mich.
 HOKENSON, HARRY S. (M'57), Design Engr., Boeing Airplane Co., Box 3707, Seattle, Wash,
 HOLADAY, DONALD F. (A'41-M'46), Coordinating Engr.,
 CONE! RAD, FCC, Hq., 33rd Air Div., (D), Oklahoma
 City AFB, Okla.
 HOLADAY, DUNCAN A. (M'5B), The Prosbyterian Hospital,
 622 W. 16B St., New York 32, N.Y.
 HOLADAY, REED E. (A'56), Project Engr., Litton Industries,
 San Carlos, Calif.

- NULLUAY, REED E. (A'56), Project Engr., Litton Industries San Carlos, Calif.

 HOLAHAN, JAMES P. (M'56), Electronics Editor, Space/Aeronautics, 205 E. 42 St., New York 17, N.Y.

 HOLAN, JOSEPH I. (A'57), Pres., Holan Radio & TV, Inc. & Branch Operation, Beejay Mig. Co., Austin, Minn.

 HOLBERGER, RAYMOND R. (M'57), Electronics Scientist, Rome Air Development Center, Griffiss AFB, N.Y.

 HOLBROGK, JAMES G. (A'50-M'52), Research Engr., LMSD, Tracking Sta., Box 402, Santa Maria, Calif.

 HOLBROOK, R. OWEN (A'45-SM'53), Project Engr., ARINC Research Corp., 1700 K St., Washington, D.C.

 HOLBROOK, ROBERT A. (A'42-M'45), Chief Engr., WSB, WSB-TV, 1601 W. Peachtree St., N. E., Atlanta, Ga.

 HOLBROOK, THOMAS C., JR. (A'56), Electronics & TV Technician, Owner, Holbrook Electronics, 2523 Broad, Memphis 17, Tenn.
- Holbomb 17, Tenn.

 HOLBURN, R. IAN (M'58), Missile Flight Test Engr., Canadair, Ltd., Box 6087, Montreal, P. Q., Canada Holburn, R. IAN (M'58), Missile Flight Test Engr., Canadair, Ltd., Box 6087, Montreal, P. Q., Canada Holburn, S.E., Albuquerque, N. M.

 HOLCOMB, DONALD K. (S'56-M'57), Mem. Tech. Staff, Hughes Africraft, Culver City, Calif.

 HOLCOMB, DONALD E., JR. (S'50-A'51), Electronics Engr., Ryan Aeronautical Co., 2701 Harbor Dr., San Diego 12, Calif.

- Calif.

 HOLCOMB, MARVIN E. (S'56-M'5B), Staff Mem., Elec. Design, Sandia Corp., Sandia Base, Albuquerque, N.M. HOLCOMB, PHILO, JR. (SM'54), Genl. Traffic Engr., Internat. Communication Dept., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y. HOLCOMB, W. LEWIS (S'54-M'57), Lt. Col., Research & Dev. Officer, U.S. Army Signal Corp., DWD, Army Hgrs., Ottawa, Ont., Canada.

 HOLCOMB, WADE G. (M'59), Engr., Radar Systems, Airborne Instrument Lab., Mineola, L.I., N.Y. HOLCOMBE, MARSHALL M. (SM'55), Patent Counsel, AMP, Inc., Eisenhower Blvd., Harrisburg, Pa.

- AMP, Inc., Eisenhower Blvd., Harrisburg, Pa.
 HOLCOMBE, PAUL G. (S'51-A'52-M'57), Engr., Airborne
 Instrument Lab., Mineola, L.I., N.Y.
 HOLCOMBE, WILLIAM H., JR. (M'58), Chief, Advanced
 Missiles Techniques Branch, Missile Science Div., U.S.
 Army Air Defense School, Ft. Bliss, Tex.
- HOLCUMB, WILLIAM A. (A'54), Application Jr. Engr., Sylvania Elec. Prods., Inc., Johnson St., Seneca Falls, N.Y.
- HOLD, HENRY W. (A'45), V.P., Art Cerf & Co., 744 Broad St., Newark 2, N.J.
- Broad St., Newark 2, N.J.
 HOLDA, NORBERT E. (A'5B), Sect. Chief, Sparton
 Electronics, Jackson, Mich.
- Electronics, Jackson, Mich.

 HOLDAM, JAMES V., JR. (SM'56), V.P., Operations,
 Lab. for Electronics, Inc., 1079 Commonwealth Ave.,
 Boston, Mass.

 HOLDAWAY, DAVID R. (S'56-M'57), Assoc. Engr.,
 Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis
 13, Minn.
- HOLDEN, GEORGE R. (S'44-A'46-M'55), Research Engr., Natl. Aeronautics & Space Administration, Moffett Field, Calif.

- HOLDEN, JAMES M. (S'56-M'57), Maj., USAF, AF Special Weapons Center, 4925th Test Group (A), Kirlland AFB, Albuquerque, N.M.
 HOLDEN, STANLEY E. (A'55), Electronics Engr., Dept. of State, 515 22 St., N.W., Washington, D.C.
 HOLDEN, WAYNE D. (S'52-A'53-M'58), Elec. Engr., GE Co., Advanced Electronics Center, Cornell Univ., Ithaca, N.Y.
- runaca, N.Y.

 HOLDEN, WILLIAM E. (S'55-M'56), Staff Mem., The
 Mitre Corp., 2244 Wood St., Lexington 73, Mass.

 HOLDER, FLOVD P. (S'42-A'45-SM'56), Sr. Electronics
 Systems Engr., Lockheed Aircraft Corp., 86 S. Cobb Dr.,
 Marietta, Ga.
- HOLDER, VINCENT D. (S'57-A'5B), Service Dept. Mgr., Excel Trading Corp., 9 Rockefeller Plaza, New York, N.Y. HOLDERMAN, CHARLES C. (M'57), Staff Engr., IBM, Endicott, N.Y.
- HOLDERMAN, CHARLES C. (M'57), Staff Engr., IBM, Endicott, N.Y.

 HOLDMAN, MURRAY (A'49-M'58), Dev. Engr., Federal Telecommunication Labs., Nutley 10, N.J.

 HOLDREN, EARL H. (M'54), Sr. Experimental Engr., Pratt & Whitney Aircraft Co., United, Fla.

 HOLDRIDGE, GERALD R. (S'54-M'56), Research & Analysis, Electronic Data Processing, J. S., Army Signal Supply Agency, 225 S. IB St., Philadelphia 4, Pa.

- Electronic Data Processing, U.S. Army Signal Supply Agency 225 S. 18 St., Philadelphia 4, Pa.
 225 S. 18 St., Philadelphia 4, Pa.
 HOLDSWORTH, DOBALD M. (A'53), Test Engr., Supv., Zenith Plastic Co., Box 91, Gardena, Calif.
 HOLDSWORTH, ROBERT M., JR. (A'55), Salesman, Gerard G. Leeds Co., 12 Crampton Lane, Great Neck, L.I., N.Y.
 HOLDT, DONALD H. (S'49-A'51-M'58), V.P., Airpax Prods. Co., Cambridge, Md.
 HOLEC, VICTOR P. (S'50-A'54'M'59), Electronics Engr., Collins Radio Co., Cedar Rapids, Jowa.
 HOLECZY, ALEXANDER A. (S'54-A'55), Assoc. Dev. Engr., Burroughs Corp., Paoli, Pa.
 HOLEMAN, JAMES L. (S'56-M'58), Electronics Scientist, BEE, Army Rocket & Guided Missile Agency, O.M.L. Div., Research Lab., Redstone Arsenal, Ala.
 HOLFELDER, ROBERT G. (M'54), Sr. Elec. Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.
 HOLIAK, ANDREW F. (S'55-A'57), Elec. Lab. Technician, Chrysler Corp., Missile Div., Box 262B, Detroit 31, Mich.
 HOLLABAUGH, JOHN F. (M'56), Field Support Engr., RCA Service Co., Camden 8, NJ.
 HOLLABAUGH, M. G. (S'43-M'45-S), Staff Consultant, Arma Div., Garden City, L.I., N.Y.
 HOLLADAY, ALVIS M. (M'58), Inter. Electronic Ind., Inc., Box 1358, Nashville, Tenn.

- Box 1.36B, Nashville, Tenn.

 HOLLADAY, JAY A. (5'54-M'5B), Engr., Collins Radio Co.,

 2616 E. Broadway, Tucson, Ariz.

 HOLLADAY, RICHARD E. (M'57), Staff Mem., Physicist,

 Sandia Corp., Sandia Base, Albuquerque, N. M.

 HOLLAND, BERNARD S. (A'54), Research Engr., Mergenthaler Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.

 HOLLAND, EDWARD R. (S'51-A'53-M'57), Research Engr.,

 Lockheed Missile Systems, Palo Alto, Calif.

 HOLLAND, FRANKLIN S. (A'57), Communications Engr., U.S.

 Army Commo Service Group, Main Navy Bldg., Washington 25,

 D. C.
- U.C. Alburn Co. (S'56-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. HOLLAND, GEORGE E. (S'57-M'58), Assoc. Elec. Engr., Institute for Atomic Research, Iowa State College, Ames, Iowa.
- HOLLAND, HENRY A. (A'43), Test Set Technician, Western Electric Co., 2525 Shadeland, Indianapolis, Ind. HOLLAND, JAMES E. (S'51-A'55), Mem. Tech. Staff, Sect. Head, Space Technology Labs., Inc., Box 95001, Los Ange-les 45, Calif.

- Nead, Space Tectmology Labs., Inc., DOX 75UO1, LOS AUGUELS 45, Calif.

 HOLLAND, JOHN H. (S'51-A'53-M'57), Project Engr., Royal McBee, 1031 New Britain Ave., Elmwood, Conn.

 HOLLAND, JOHN W. (A'53-M'5B), V.P., Cable Designs, Inc., 66 Rushmore St., Westbury, L.I., N.Y.

 HOLLAND, JOSEPH T., JR. (S'49-A'53-M'57), Supvr., HMED, Cet Co., Syracuse, N.Y.

 HOLLAND, LEWIS N. (A'27-M'32-SM'43), Prof., Elec. Engrs., Univ. of Michigan, Ann Arbor, Mich.

 HOLLAND, ROBERT J. (A'55), Standards Lab. Supvr., Ryan Aeronautical Co., 2750 W. Lomita Blvd., Torrance, Calif.

 HOLLAND, WILLIAN R. (M'59), Dev. Engr., Midwestern Instruments, Box 7186, Tulsa, Okla.

 HOLLAND-MARTIN, CYRIL G. (M'58), Dir., Research & Design, Internatl. Computers & Tabulators, Ltd., 17 Park Lane, London W. I., England.

 HOLLANDBECK, RAYMOND F. (S'47-A'50-M'55), Electron-
- HOLLANDBECK, RAYMOND F. (S'47-A'50-M'55), Electronics Research Engr., Westinghouse Research Labs., Pittsburgh 35, Pa.

- 35, Pa.

 HOLLANDER, AGE M. (M'5B), Engr., Instruments for Industry, Inc., 150 Glen Cove Rd., Mineola, L.I., N.Y.

 HOLLANDER, ALBERT (M'55), Electronics Engr., Admiral Corp., 3B00 W. Cortland St., Chicago 47, III.

 HOLLANDER, FREDERICK H. (M'55), Assoc. Research Mathematician, Univ. of California, Los Angeles 24, Calif.

 HOLLANDER, GERHARD L. (S'43-M'47-SM'56), Sect. Mgr., Control Computer Systems, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 NOLLANDER, MERWERT (S'56-M'5R), Branch Chief.
- NVC., FMIADEIDIA 44, Pa.

 HOLLANDER, HERVERT C. (S'56-M'5B), Branch Chief, Systems Evaluation Branch, Computer Systems Div., U.S. Army Sgnal Communications Engrg. Agency, Arlington Hall Sta., Arlington 12, Va.

 HOLLANDER, JEROME M. (S'48-A'49-M'55), Sr. Electronics Engr., Booz-Allen Applied Research, Inc., 408 W. Main St., Fairborn, Ohio.
- OLLANDER, LAWRENCE J. (M'55), Administrative Asst., College of Engrg. New York Univ., New York 53, N.Y. HOLLANDER, MATTHIAS (M'57), Project Leader, RCA, Moorestown, N.J. HOLLANDER, SIDNEY (SM'56), Sr. Microwave Engr., Premier Instrument Corp., New Broad & William St., Portchester, N.Y.
- HOLLANDS, LOUIS C. (SM'50), Mgr., Engrg. Administration, Standards & Services, RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.
- HOLLANDSWORTH, WILLIAM J. (A'50-SM'5B), Staff Engr., IBM, Owego, N.Y. HOLLAR, MARVIN E. (S'53-A'55), Elec. Engr., GE Co., Ithaca, N.Y.

HOL-HOL - 221 -

- HOLLBERG, R. WAYNE (S'51-A'53-M'58), Test Engr., Federal Telephone & Radio Co., Clifton, N.J.
 HOLLEMAN, ELWOOD M. (A'56-M'57), Electronics Engr., Industrial Mgr., USN, 3rd, Naval District, New York Naval Shipyard, Brooklyn 1, N.Y.
 HOLLENBACK, H. G. (A'54), Electronics Equipment Installer, Inter-County Telephone & Telegraph Co., Ft. Myers, Fla.
 HOLLER, FREDERICK W., JR. (M'58), Engr. "A," RCA, Carden 2, N.J.
- Camden 2, N.J.

 HOLLER, JOHN R. (S'49-A'51-M'52-SM'57), Electronics
 Engr., Goodyear Aircraft Corp., 1210 Massilon Rd., Akron
 15, Ohito.
- 15, Whio.

 **POLLEY, ALAN E. (M'56), Mem. Tech. Staff, Hughes Aircraft Co., 1901 W. Malvern, Fullerton, Calif.

 **HOLLEY, HORACE G., JR. (S'57-M'58), Field Engr., Hughes Aircraft Co., Culver City, Calif.

- HOLLEY, HOKALE G., JK., (S.57-M-98), Field Engr., hugnes Aircraft Co., Culver City, Calif.

 HOLLEY, JOHN S., SR. (A'54), Field Engr., Lab. for Electronics, 1097 Commonwealth Ave., Boston 15, Mass.

 HOLLEY, JOSEPH J. (A'54), Mfg. Supt., Industrial Prods. Div., IT&T., 250 Garibaldi Ave., Lodr, N. J.

 HOLLEY, JOSEPH J. (A'57-M'159), Polect Engr., Admiral Corp., 3800 Cortland St., Chicago 47, Ill.

 HOLLICH, STEPHEN E. (A'57-M'159), Design Engr., Natl. Aeronautical Co., Commerce Dr., Ambler, Pa.

 HOLLIDAY, CENTIS E. (S'57-A'59), Electronics Technician, Convair, Ft. Worth, Tex.

 HOLLIDAY, EDWARD M. (S'54-M'57), Dev. Engr., GE Co., 4200 Mobile Rd., Montgomery, Ala.

 HOLLIDAY, FREDERICK S. (A'46-M'45), Coordinating Engr., FCC, Hgrs., 32 Air Div., SAGE, Dobbins AFB, Marietta, Ga., FCC, Hgrs., 32 Air Div., SAGE, Dobbins AFB, Marietta, Ga.
- FCC, Hgrs. 32 Air Div., SAGE, Dobbins AFB, Marietta, Ga. HOLLIDAY, IVAR M. (SM'5B), Sr. Mem. Toch, Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif. HOLLIDAY, REUBEN H. (A'51-SM'56), Supvry, Electronics Engr., Air Research & Dev. Command, Rome Air Development Center, Griffiss AFB, N.Y. HOLLIMON, MARSHALL H. (S'56-M'5B), Engr., Microwave Engra, Lab., Inc., 943 Industrial Ave., Palo Alto, Calif. HOLLINGER, EDWIN C. (A'54), Electronics Engr., Air Force Special Weapons Center, Kirland AFB, N. M. HOLLINGER, ROBERT A. (M'5B), Engr., Tech, Engra. Co., 1952 Allegheny Ave., Philadelphia 34, Pa. HOLLINGSHEAD, GORDON W. (A'57), Supvr., Geophysical Interpertation, The British American Oil Co., Box 130, Calgary, Alta., Canada. HDLLINGSWORTH, KENNETH M. (A'43), 2473 N.W. Petty-

- gary, Alta., Canada.
 HDLLINGSWORTH, KENNETH M. (A'43), 2473 N.W. Petty-grove St., Portland 10, Ore.
 HOLLINGSWORTH, LOWELL M. (A'37-M'46-SM'46), Dir.,
 Electronics Research Directorate, Air Force Cambridge Research
 Center, Hanscom Field, Bedford, Mass.
- Center, Hanscom Field, Bedford, Mass.
 HOLLI NGSWORTH, ROBERT B. (Al'51), Elec. Engr., Pan American Petroleum Corp., Box 26B, Lubbock, Tex.
 HOLLINGSWORTH, VERN N. (Al'56), Asst. Mgr., Alondra Park Co., 16400 Prairie, Lawndale, Calif.
 HOLLINGWORTH, FRANK (Al'55), Chief Technician, CJCA, Edmonton Broadcasting Co., Birks Bldg., Edmonton, Alta., Canada.
- HOLLINRAKE, JOSEPH M. (S¹50-A¹52-M¹57), Sr. Electronics Engr., Motorola, Inc., 8330 Indiana Ave., Riverside, Calif.

- side, Calif.

 HOLLIS, CARTER C. (S'54-M'56), Draftsman, Genl. Radio Co., 275 Massachusetts Ave., Cambridge, Mass.
 HOLLIS, JAMES L. (S'37-A'44-M'44-5M'46), Pres., Rixon Electronics, Inc., 24 14 Reedle Dr., Silver Spring, Md. HOLLIS, JOHN S. (S'49-A'50-M'55), V.P., Engr., Scientific-Atlanta, Inc., 216 2 Piedmont Rd., N.E., Atlanta 9, Ga. HOLLIS, LUOYD L. (S'56-M'57), Design Engr., IBM, Kingston, N.Y.

- HOLLIS, LLOYD L. (S'56-M'57), Design Engr., IoM, Kingston, N.Y.

 HOLLIS, RAYMOND H. (A'47-M'55), Group Leader, Reliability Analysis Group, Bendix Prods. Div., Missiles, 400 S. Beiger St., Mishawaka, Ind.

 HOLLIS, RICHARD P. (M'57), Electronics Engr., ITT Labs., Nucley 10, N.J.

 HOLLIS, THOMAS W., JR. (S'51-A'53), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3. Md.

 HOLLIS, WALTER C. (M'45-SM'49), Dir., Engrg., Resede Engrg., Corp., 330 S. Fair Oaks Ave., Pasadena, Calif.

 HOLLIS, WARREN T., III (M'5B), Supvr., Corporate Office Engrg. Practices, Raytheon Mfg. Co., Waltham 54, Mass.

 HOLLISTER, BRUCE L. (S'57-A'58), Electronics Scientist, Bendix Aviation Corp., Kansas City, Mo.

 HOLLISTER, DAVID G. (S'49-A'55-SM'55-SM'55), V.P. & Geni. Mgr., Moeiler Instrument Co., 132 St. & B9 Ave., Richmond Hill, L.I., N.Y.

 HOLLISTER, ROBERT H. (A'47), Dir., European Sales, Internati. Div., Collins Radio Co., 242 London Rd., Staines, Middle, England.
- ternatl. Div., Co Middle, England.
- HOLLMANN, HANS E. (A'4B-F'53), V.P. in Chg., Basic Research, Dresser Dynamics, Inc., 16157 Nana St., North-ridge, Calif.
- MOLLOMAN, CHARLES J. (S'4B-A'49-M'55), Sr. Engr., Western Union Telegraph Co., 125 12 St., Oakland, Calif, HOLLOPETER, WILLIAM C. (A'53-M'5B), V. P., Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Beroen, N. J.
- HOLLOWAY, FRANCIS L. (SM'44), Tech. Dir., Aerial Reconnaissance Lab., Wright-Patterson AFB, Ohio.
 HOLLOWAY, HAROLD R. (S'46-A'49-M'52), Sect. Mgr., American Machine & Foundry Co., 11 Bruce Pl., Greenwich,
- Conn.

 HOLLOWAY, JACK (A'45–SM'4G), Oistrict Mor., Video Corp., 1485 Bayshore Blvd., San Francisco 24, Calif.

 HOLLOWAY, MARSHALL R. (A'56), Service Operations Foreman, Southwestern Industrial Electronics, Box 13058, Houston, 19, Tex.
- ton, 19, fex.

 HOLLOWAY, VINCENT C. (SM'59), 10713 B P1., Inglewood, Calif.

 HOLLY, CLIFFORD M. (S'52-A'54), Research Engr., Nati.
 Cash Register Co., 1401 E. El Segundo, Hawthorne, Calif.

 HOLLY, JOSEPH A. (S'4B-A'52-M'56), Sr. Electronics
 Engr., Electronics Defense Lab., Sylvania Elec. Prods.,
 Inc., Mountain View, Calif.
- Inc., Mountain View, Calif.

 HOLLY, LESTER C. (S'47-A'50-M'55), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 HOLLY, RILEY H. (S'57-M'59), Electronics Engr., Borg. Warner Corp., BJ Electronics Div., 3300 Newport Blvd., Santa Ana, Calif.
- HOLLY, ROBERT (M'56), Research Technician, Radio Plane, BOOO Woodley, Van Nuys, Calif. HOLLYWOOD, JOHN M. (SM'50), Scientific Aide to Pres., CBS Labs., 227 High Ridge Rd., Stamford, Conn.

- HOLM, CARL H. (M'57), Div. Head, USN Mine Defense Lab., Panama City, Fla.
 HOLM, FRANK H. (M'58), Engr., RCA Victor Co., Ltd., Montreal, P.Q., Canada.
 HOLM, HENRY R. (A'40), Partner, Audio Visual Associates, 61 Charles St., W., Toronto, Ont., Canada.
 HOLM, ROBERT M. (A'56), Owner, Fidelity Personnel Service, Philadelphia 7, Pa.
 HOLM, WAYNE E. (A'55), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.
 HOLMAN, FRANK P. (A'56), Sr. Engr., Reliability, Convair-Astronautics, Box 1128, San Diego 12, Calif.

- Astronautics, Box 112B, San Diego 12, Calif.

 HOLMAN, FRANK S. (\$48-A'54), Sr. Group Engr., Boeing Airolane Co., Box 107, Seattle 14, Wash.

 HOLMAN, HOWARD E. (A'57), Engrg. Mgr., Wurlitzer Co., Shady Grove Rd., Corinth, Miss.

 HOLMAN, JAMES G. (4'52-A'57), Engr., Westinghouse Elec. Corp., Air Arm. Div., Baltimore 3, Md.

 HOLMAN, JOHN C. (M'56), Chief Warrant Aviation Electronics Technician, USN, Naval Air Technical Training Center, Naval Air Weapon School, Jacksonville, Fla.

 HOLMAN, WILLARD J. (A'5B), J303 S. Elmwood Ave., Berwyn, III.
- wyn, III.
 HOLMAN, WILLIAM E. (S'55-M'5B), Elec. Engr., Federal
 Electric Corp., o/o Genl. Delivery, Eglin AFB, Fla.
 HOLMAN, WILLIAM S. (A'51-M'56), Capt., USAF, Nuclear
 Research Officer, 1009th Special Weapons Sqdn., McClellan
 AFB, Calif.
- AFB, Calif.

 HOLMBECK, JOHN D. (A'55), Pres., Northern Engrg. Labs., Inc., 372 Wilmot Ave., Burlington, Wis.

 Northern Engrg. Labs., Burlington, Wis.

 Sect. Head, Sperry Gyroscope Co., Great Neck, Li.I., N.Y.

 HOLMEN, RICHARD E., (S'57-M'57), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif.

 HOLMES, ALBERT J. (S'55-M'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, Li.I., N.Y.

 HOLMES, ALFRED P. (A'5B), Engrg. Aide, Hazeltine Electronics Div., 59-25 Little Neck Pkwy., Little Neck, L.I., N.Y.

- HOLMES, ARTHUR T. (S'51-A'51-M'57), British Columbia Land Surveyor, Underhill & Underhill, 532 Burrand St., Van couver 1, B.C., Canada.
- couver 1, B. C., Canada. HOLMES, CHARLES H. (A'54), Asst. Prof., Elec. Engrg., Alabama Polytechnic Institute, Auburn, Ala. HOLMES, CHARLES M. (A'58), Field Engr., RCA Service Co., Camden B, N.J., HOLMES, CHESTER W. (A'59), Sales Engr., 214 Floyd
- HOLMES, CHESTER W. (A'59), Sales Engr., 214 Floyd Ave., Dayton 15, Ohio.

 No. Mes. D. BRAINERD (A'46-SM'53), Mgr., Ballistic Missile Early Warning System, RCA, Moorestown, N.J.

 HOLMES, DAVID D. (A'48-M'55), Mgr., Radio Research Lab., RCA Labs., Rocky Point, L.I., N.Y.

 HOLMES, DONALD K. (S'50-A'54), Communications & TV
 Systems Engr., RCA Service Co., 4374 E. Speedway, Tucson, Ariz.
- Not. Not. 10 Mgr., Cost Estimating Dept., Collins Radio Co., Cedar Rapids, lowa. HOLMES, EDGAR J. (A/5B), S & S Radio Supply, 537 S. Kenosha, Tulsa, Okla.
- Kenosha, Tulsa, Okla.
 HOLMES, EDWARD G. (M'49-SM'57), Genl. Mgr., E.G.
 Holmes & Associates, 309 Pharr Rd., N.E., Atlanta 5, Ga.
 HOLMES, EUGENE A., III (SM'51), Prod. Mgr., Industrial
 Prods., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 HOLMES, F.L., JR. (M'56), Staff Engr., IBM, Kingston,
- N.Y.

 HOLMES, FRED M., JR. (M'57), Elec. Engr., PackardBell Electronics Corp., Los Angeles 64, Calif.

 HOLMES, GEORGE F., JR. (M'5B), Design Engr.,
 Chrysler Corp. Missile Div., Box B57, Huntsville, Ala.
 HOLMES, GORDON A. (A'50), Sect. Head, The Markin
 Co., Orlando, Fla.

 HOLMES, HADIAN H. (S'57-MISD) Elac. Engr. Allia.

- Co., Orlando, Fla.

 Co., Orlando, Fla.

 Co., Orlando, Fla.

 HOLMES, HARLAN H. (S'57-M'5B), Elec. Engr., Allis-Chalmers Mfg. Co., Harvey, III.

 HOLMES, HAROLD R. (A'53), Chief Engr., VVTOL, AMFM-TV, 604 Jackson, Toledo, Ohio.

 HOLMES, HENRY B., III (M'50), Lt. Col., U.S. Army Signal Corps., 97th Signal Bn., APO 46, New York, N.Y.

 HOLMES, JOHN J. (S'55-M'5B), Staff Mem., Sandia Corp., Sandia Base, Albuqueruue, N.M.

 HOLMES, JOHN L. (S'52-A'53-M'5B), Electronics Field Engr., RCA, 6355 E. Washington Blvd., Los Angeles 22, HOLMES, JOHN S. (S'47-A'50-M'55), Sales Engr., M. Ross & Co., 1623 S. La Cienega, Los Angeles 35, Calif. HOLMES, KENNETH G. (S'57-M'58), 4B00 Oakgrove Dr., Pasadena 3, Calif.

 HOLMES, KENNETH G. (S'57-M'58), 4B00 Oakgrove Dr., Pasadena 3, Calif.
- Pasadena 3, Calif.

 HOLMES, KENNETH O, (A'52-SM'57), Tech. Asst. to Plant Mgr., Melpar, Inc., 11 Galen St., Waterlown 72, Mass. HOLMES, LLOYD G. (M'56), Design Engr., Martin Co., Orlando, Fla.

 HOLMES, LYNN C. (M'44-SM'49-F'49), Dir., Research, Stronberg-Carlson Co., 1432 N. Goodman St., Rochester 9, N.Y.
- 9, N.Y.

 HOLMES, PAUL J. (A'42), Tech. Dir., B-J Electronics;
 Borg-Warner Corp., 3300 Newport Blvd., Sarka Ana, Calif.

 HOLMES, RALPH S. (A'25-SM'43-F'52), Dir., Project
 Pangloss, RCA Labs., David Sarnoff Research Center,
 Princeton, N.J.
- Mrinceton, N.J.

 HOLMES, RICHARD B. (M'5B), Supvr., Environmental Test Dept., Consolidated Electrodynamics Corp., 360 N. Sierro Madre Villa, Pasadena, Calif.

 HOLMES, RICHARD P. (S'51-A'53-M'5B), Field Engr., G. Curlis Engel & Associates, 210 S. Broad St., Ridgewood, N.J.
- HOLMES, ROBERT E. (S'54-M'56), Lt. Cmdr., USN, Avionics Officer, Air Dev. Sqdn. 4, VX-4, NAMTC, Point Mugu, Calif.
- POINT MUGU, Call' HOLMES, ROBERT W. (SM'57), Staff Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y. HOLMES THOMAS G. (S'48–A'51–M'56), V.P. in Chg. of System Design, Soroban Engrg. Co., Box 1717,
- of System Desig Melbourne, Fla.
- Melbourne, Fla.

 HOLMES, WILLARD T. (M'53), Dir., Mfg. Electronics
 Industries, Div. Consolidated Electrodynamics Corp., 325

 N. Altadena Dr., Pasadena, Calif.

 HOLMES, WILLIAM E. (S'55-M'57), Design Engr.,
 Burroughs Corp., 14300 Tireman, Detroit 2B, Mich.
 HOLMES, WILLIAM H. (S'48-A'50-M'55), Telecommunications Officer, No. 6 R. D., RCAF, Trenton, Ont., Canada.
 HOLMES, WILLIAM M. (M'59), Research Specialist, Lockheed Missile & Space Div., Sunnyvale, Calif.

- HOLMES, WILLIAM R. (A'50-M'56), Head, Electro-Physical Standards, Convair, Pacific Hwy., San Diego, Calif. HOLMES, WILLIAM S. (A'47-M'52-SM'56), Asst. Head, Electronics Deot., Physics Div., Cornell Aeronautical Labs., 4455 Genesee St., Buffalo 21, N.Y.
 HOLMGREN, WILLIAM A. (S'52-A'53-M'59), Chief Engr., Vicon, Inc., 1353 Mesita Rd., Colorado Springs, Colo. HOLMQUIST, JOHN A. (A'53-M'56), Electronics Engr., ITT Labs., 3702 E. Pontiac St., Ft. Wayne, Ind. HOLONYAK, NICK, JR. (S'51-A'55-M'59), Physicist, Semiconductor Prod. Dept., GE Co., Syracuse, N.Y.
 HOLPUCH, CLARENCE J. (M'49), Sr. Electronics Engr., Admiral Corp., 3800 Corland St., Chicago 47, Ill.

- Admiral corp., 2000 Cortand St., Chicago 4/, III.
 HOLPUCH, DONALD J., (A'49-M'54), TV Studio Engr.,
 WGN-TV, 441 Michigan Ave., Chicago 11, III.
 HOLROYD, WILLIAM H. (A'48-M'55), Dir., Lambda
 Psychometric Personnel Service, 43 Hastings Rd.,
 Sheffield 7, England.
- HOLSCLAW, ROBERT F. (S'5B-A'59), Contract Field Technician, Internall. Electronics Mfg. Co., 425 13 St., Washington 4, D.C.

- Washington 4, D.C.

 HDLSER, ALEXANDER F. (SM'5B), Staff Scientist,
 Lockheed Missiles & Space Div., Palo Alto, Calif.

 HOLSHOUSER, DON F. (M'49), Seesarch Asst. Prof., Elec.
 Engro. Dept., Univ. of Illinois, Urbana, III.

 HOLSHOUSER, JESS E.R., JR. (S'49-A'50-M'5B), Engro.
 Supwr., RCA, Defense Electronic Prods., Camden, N.J.

 HOLST, PAUL F. G. (SM'46), Mor., Plans & Proorams,
 Reeves Instrument Corp., West Gate Blvd., Garden City,
 L.I., N.Y.

 HOLST, PMLLIAM F. (S'53-M'56), Mem. Tech. Staff,
 Lincoln Lab., MIT, Lexington 73, Mass.

 HOLST, EAD, ALVIN J. (S'4B-A'51-M'57), Reliability
 Engr., HMED, GE Co., Utica, N.Y.

 HOLSTROM, ALLAN (A'50-SM'52), Project Engr.,
 Stomberg-Carlson Co., 1400 N. Goodman St., Rochester
 9, N.Y.

 HOLT, ALBERT C. (A'42-SM'45), Mar.. Simultaneous

- HOLT, ALBERT C. (A'42-SM'45), Mgr., Simultaneous Translating Systems, IBM, 590 Madison Ave., New York 22, N.Y.
- 22, N.Y.

 HOLT, ARTHUR W. (S'44-A'45-M'55), Sr. Engr., Rabinow Engrs. Co., 7212 New Hampshire Ave., Washington 12, D.C.

 HOLT, CHARLES A. (M'55), Prof., Dept. of Elec. Engrs., Virginia Polytechnic Institute, Blacksburg, Va.

 HOLT, DAVID G. (S'49-A'51-M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 HOLT, DONALD E. (A'53), Sales Engr., Kearfott Co., Inc., 14844 Oxnard, Van Nuys, Calif.

 HOLT, DONALD L. (M'45), Foreman, Delco Remy Div., GMC, Anderson, Ind.

 HOLT, E. HOWARD (M'5B). Assoc. Prof. Flec. Foreman.

- GMC, Anderson, Ind.

 HOLT, E. HOWARD (M'5B), Assoc. Prof., Elec. Engrg.,
 Rensselaer Polytechnic Institute, Troy, N.Y.

 HOLT, GEDRGE A. (S'42-A'45-M'46), Supvy, Engr.,
 Union Carbide Nuclear Co., Oak Ridge Nati. Lab., Box X,
 Bldg. 3500, Dak Ridge, Tenn.

 HOLT, GEORGE W. (A'51-M'52-SM'55), Transmission
 Engr., Southwestern Bell Tel. Co., 405 N. Broadway,
 Oklahoma City, Okia.

 HDLT, IVAN D. (S'50-A'51-M'56), Supvr., Antenna &
 Electronics Design Group, Chance-Vought Aircraft Co., Inc.,
 Dallas, Tex.

 HOLT, JAMES M. (S'53-M'56). Test Engr. Coarsis
- HOLT, JAMES M. (S'53-M'56), Test Engr., Convair, Grants Lane, Ft. Worth, Tex.
- Grants Lane, Ft. Worth, 1ex.

 HOLT, JOHN M. (S'57-M'59), Design Engr., RCA, Camden
 2, N.J.

 HOLT, ROBERT A. (A'57), Maint. Engr., 30th Air Div.,
 TechRep Div., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

- neouncep uiv., mnico corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 HOLT, ROLAND B., (M'45-SM'51), Consulting Engr. & Physicist, 1 Cartpath Rd., Weston 93, Mass.
 HOLT, THOMAS C., (A'5B), Supvr., The Superior Oil Co., Middand, Tex.
 HOLT, THOR (A'49-M'59), Chief, Plans & Operations, Maint. Engr., Dayton Air Force Depot, Dayton, Ohio.
 HOLT, WILLIAM J., JR. (M'53), Pres., Chief Engr., The Gyrex Corp., 3003 Penn Ave., Santa Monica, Calif. HOLT, WILLIAM J., (A'54), Test Facilities Engr., Hughes Aircraft Co., 4008 W. Artesia Bird., Fullerton, Calif. HOLTER, DANIEL H., JR. (M'56), 5r. Engr., Haller, Raymond & Brown, inc., State College, Pa.
 HOLTENHENRICHS, PHILIP D. (S'45-M'57), Research Engr., No. Amer. Aviation, 5601 W. Imperial Hwy., Los Angeles, Calif.
 LOS Angeles, Calif.
- HOLTJE, MALCOLM C. (S'49-A'50-M'55-SM'56), Dev. Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.
- HOLTKAMP, LEO A. (S'5B-A'59), Instr., Convair, Ft. Worth, Tex.

- NORTH, 1EX.
 HOLTMAN, LOUIS S. (S'56-A'57), Electronics Technician,
 IBM, Poughkeepsie, N.Y.
 HOLTMANN, EARL H. (A'43), Engr., KGO-TV, KGO-FM,
 ABC, San Francisco, Calif.
 HOLTON, ELWOOD F., JR. (S'57-M'5B), Engr.,
 Publications-Prepare Nike-Ajax & Nike-Hercules Tech.
 Manuals for Army, Western Electric Co., Winston-Salem, N.C. HOLTRICHTER, JOHN, JR. (M'55), Electronics Engr., Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles 7, Calif.
- HOLTUM, ALFRED G., JR. (A'47-M'53-SM'56), Chief Engr., Andrew California Corp., 941 E. Marylind, Claremont, Calif.
- HOLTZ, ROBERT F. (A'43-SM'50), Genl. Mgr., Laboratories RCA, Ltd., Hardturmstrasse 169, Zurich, Switzerland.
- HOLTZ, ROSS E. (A52-M'59), Elec. Engr., GE Co., Auburn, N.Y.

- Aubum, N.Y.

 HOLTZCLAW, BYNUM L. (A'51-M'55), Electronics Engr., GE Co., Syracuse, N.Y.

 HOLTZMAN, IRA D. (S'56-M'5B), Engr., 65-44 Saunders St., Rego Park 74, L.I., N.Y.

 HOLTZMAN, JULIAN C. (S'57-M'5B), Engr., Microwaves, Hughes Aircraft Co., Culver City, Calif.

 HOLTZMAN, MANUEL (A'3B-M'46), Administrative Exec., Platt Electric Supply, Inc., 1305 N.W. Davis St., Portland 9, Ore.

 HOLUB, ARTHUR J. (S'52-M'5B), Instr., Elec. Engro., Purdue Univ., West Lalayette, Ind.

- HOLUP, ANOREW C. (S'50-A'51-M'56), Aeronautical Research Scientist, Natl. Advisory Comm. for Aeronaut Langley, Va.

- Research Scientist, Natl. Advisory Comm. for Aeronautical Research Scientist, Natl. Advisory Comm. for Aeronautics, Langley, Na.
 HOLZER, NATHANIEL T. (A'59), Sales Mgr., Rutherford Electronics Co., B944 Lindblade, Culver City, Calif. HOLZER, PETER J. (S'58-M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.
 HOLZGANG, WILLIAM F. (S'51-M'53), Engr., Westinghouse Elec. Corp., Bux 1897, Baltimore 3, Md.
 HOLZINGER, CARL S. (S'51-M'58), Electronics Design Engr., IBM, Owego, N.Y.
 HOLZMAN, GEORGE R. (S'41-A'44-S'46-A'51-M'56), Physicist, Research, IBM, Poughkeepsie, N.Y.
 HOLZMAN, ROBERT E. (M'58), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.
 HOM, HARVEY K. (A'59), Test Engr., Cascade Research, 53 Victory Lane, Los Catos, Calif.
 HOM, NGIN P. (S'50-A'51), Electronics Engr., USN, Mare Island Naval Shipyard, Vallejo, Calif.
 HOM, ROBERT N. G. (S'45-A'47-M'55), Box 223, Essex Sta., Boston 12, Mass.
 HOM, WILLIAM R. (A'47-M'55), Group Engr., Aircraft Armaments, Inc., Box 126, Cockeysville, Md.
 HOMA, OAVIO M. (M'57), Electronics Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P. Q., Canada. HOMA, SCRORE O. (S'56-M'59), Engr., Godyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 HOMA, STANLEY, JR. (S'57-M'59), Engr., Codyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 HOMA, AAYMONO M. (M'56), Engr., RCA, Camden, N.J. HOMAN, ALFRED A. (S'56-M'58), Engr., RCA, Carden, N.J.
- HOMAN, ALFRED A. (S'56-M'5B), Engr., RCA, Camden,
- HOMAN, RAY E. (M'57), Sales Engr., GE Co., Ut HOMANN, ALFRED J. (M'57), Elec. Engr., RCA, Camden, N.J.
- Camberr, N. 2.

 HOMER, ERNEST G. (S'54-M'56), Project Engr., Bendix-Pacific, 11600 Sheman Way, North Hollywood, Calif.
 HOMER, WILLIAM F. (S'51-A'53-M'55), Partner, Ace
 Fabricators, 1647 N. Milwauke Ave., Chicago 47, Ill.
- Fabricators, 1047 N. MIIWaukee Ave., Chicago 47, III.
 HOMEYER, WARREN (S'50-A'51-M'56), Engr., Arma
 Div., Roosevelt Field, Garden City, L.I., N.Y.
 HOMIC, STEPHEN G. (S'52-A'53-M'59), Staff Engr.,
 Systems Div., Bendix Aviation Corp., Ann Arbor, Mich.
 HOMMES, HARLAN E. (S'47-A'49-M'55), Group Engr.,
 Missile Instrumentation, McOonnell Aircraft Co., Lambert
 Airport, St. Louis, Mo.

- Armon, St. Louis, Mo.
 HOMRIG, LARRY L. (S'57-M'59), Elec. Engr., IBM,
 Poughkeessie, N.Y.
 HOMSY, JAMES A. (SM'58), Sr. Electronics Engr.,
 Naval Inspector of Ordnance, Pomona, Calif.
 HOMSY, JOHN H. (SM'47), Tech. Olr., Electronic
 Environmental Test Det., U.S. Army Electronic Proving
 Ground, Ft. Huachuca, Ariz.
- Ground, Ft. Huachuca, Ariz.

 HON, EDWARD H. (M'56), Asst. Prof. of Obstetrics & Gynecology, Yale Univ. School of Medicine, 333 Cedar St., New Haven 11, Conn.

 HONAMAN, R. KARL (A'23-SM'44), Dir. of Publication, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 HONDA, FRANK S. (S'55-M'57), Electronics Engr. I, Hughes Aircraft Co., 5261 W. Imperial Hwy., Los Angeles 45, Calil.

- Angeles 45, Calif.

 HONDA, HAJIME (A'49-M'55), Etec. Engr., RCA, Camden, N. J.

 HONDA, JACK S. (S'51-M'57), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 HONDA, MASAKI (A'51), Air Force Quality Control Rep., Television Associates, Inc., E. Barker Ave., Lakeland, Michigan City, Ind.

 HONDA, MAMIO (M'59), Faculty of Engrg., Tohoku Univ. 5, Sakurakoji, Sendai, Japan.
- HONDA, TATSUO (A'56), R. P. Radio Dept., Matsushita Electric Industrial Co., 1006 Kadoma, Kadomacho, Osakafu, Japan
- Japan.
 HONE, SHIRL J. (S'48-A'52-M'55), Engr., Sperry Utah
 Engrg. Lab., 322 N. 21 St., W., Salt Lake City, Utah.
 HONEA, LEO W. (A'44-M'55), Supwr., Electronics Engr.,
 Maui, Hawaii, Field Sta., Central Radio Propagation
 Lab., Natl. Bureau of Standards, Maui, Hawaii.
- Lab., Natl. Bureau of Standards, Maui, Hawaii.

 HONEISER, VLAOIMIR P. (S'43-A'45-M'55), Dev. Engr., Federal Telecommunication Labs., Nutley 10, N.J.

 HONER, ROBERT E. (A'4B-SM'54), Asst. Chief Engr., Electronics, Convair, Box 1950, San Diego 12, Calif.

 HONEY, FRANCIS J. (S'55-M'58), Research Engr., California Institute of Technology, Pasadena, Calif.

 HONEY, JOHN F. (S'43-A'49-SM'53), Dir., ALD-3, Program, Hoffman Labs. Div., Hoffman Electronics Corp., 3740 S. Grand Ave., Los Angeles, Calif.

 HONEY, RICHARD C. (S'48-A'53-SM'57), Sr. Research Engr., Stamford Research Institute, Menlo Park, Calif.

 HONG, JOSE C. T. (A'57), Elec. Engr., RCA, Camden 2, N.J.

- N.J.

 N.J.

 HONG, KENNETH G. (M'58), Electronics Engr., Naval Shipyard, San Francisco 24, Calif.

 HONG, ROBERT (S'54-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HONIATT, ROY R. W. (M'54), Sr. Project Engr., RCA, Great Britain, Ltd., Lincoln Way Windmill Rd., Sunbury-on-Thames, London, England.

 HONIG, ALAN R. (S'50-A'51-M'56), Engr., Norden Labs., 121 Westmoreland Ave., White Plains, N.Y.

 HONIG, WILLIAM M. (S'47-A'51-M'53), Consulting Engr., 6801 Bay Pkwy., Brooklyn 4, N.Y.

 HONIG, WILLIAM M. (M'58), Physicist, GE Co., Syracuse, N.Y.

- Syracuse, N. Y.

 HONNELL, MARTIAL A. (A'40-SM'47), V.P. & Chief Engr., Measurements Corp., Boonton, N. J.

 HONNELL, PIERRE M. (J'27-A'29-M'41-SM'43-F'5B), Prof., Elec. Engro., Washington Univ., St. Louis 5, Mo.

 HONNOR, WILFRED W. (SM'56), Chief of Research, Amalgamated Wireless (Australasia), Ltd., 554 Parramatta Rd., Ashfrield, N.S. W., Australia.

 HONOR, HERBERT I. (S'56-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Box 90902, Internatl. Airport Sta., Los Angeles 45, Calif.

 HOO, EUGENE (4'33-M'58), Mem. Tech. Staff, Electronic Control Systems, Inc., 2136 Westwood Blvd., Los Angeles 25, Calif.

- HOOD, CHARLES E. (M'56-SM'59), Mgr., Ground Support Systems Design, Missile & Space Vehicle Dept., GE Co., 319B Chestnut St., Philadelphia 4, Pa.
 HOOD, CHARLES N., II (SM'56), Dir., Engrg., Airborn Accessories, Inc., 1414 Chestnut, Hillside, N.J.
 HOOD, FRANKLIN D. (M'47), Project Engr., Tektronix, Inc., Sunset Hwy. & Barnes Rd., Portland 7, Ore.
 HOOD, HUSTON E. (A'50), Owner, Consulting Engr., Valley Radio Supply, 1134-33 St., Bakersfield, Calif.
 HOOD, LAYTON I. (A'54), Experimental Electronics Technician, Boeing Airplane Co., Seattle, Wash.
 HOOD, LAYTON I. (A'54), Experimental Electronics Technician, Boeing Airplane Co., Seattle, Wash.
 HOOD, LEDF. (S'55-M'57), Engr., Genl. Electronic Labs., Inc., 18 Ames St., Cambridge 42, Mass.
 HOOD, NOBERT T. (A'53), Purch. Agent, Natl. Research Council, Sussex St., Ottawa 2, Ont., Canada.
 HOOO, WARREN L. (A'51-M'52), Sr. Engr., Mound Lab., Monsanto Chemical Co., Miamisburg, Ohio.
 HOODSPITH, ROBERT R. B. (SM'57), Officer Commanding w1 Radar & Communications School, RCAF Sta., Clinton, Ont., Canada.

- Co., Wayland, Mass.

 HOGASIAN, LEON (S'51-A'52-M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HOGESTEGER, JAMES R. (M'57), Professional Engr., Self-employed, 826 State St., Traverse City, Mich.

 HOOK, GERALD E. (A'55), Project Head, Tech. Analysis, Aeroprods, Operations, Allison Oiv., GMC, Dayton 1, Ohio.

 HOOK, HARVEY O. (S'48-A'51-SM'56), Mem. Tech.

 Staff, RCA Labs., Princeton, N.J.

 HOOK, WILLIAM R. (M'57), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 45534, Airport Sta., Los Angeles

 45, Calif.

 HOOKE, JOHN M. ID. (ALES)

- Wooldridge Corp., Box 40534, Airport Sta., Los Angeles 45, Calif.

 HONKE, JOHN M., JR. (A'55), Field Rep., Link Aviation, Inc., Binghamton, N.Y.

 HONKE, JOHN T. (A'57), Staff Specialist, Western Electric Co., 220 Church St., New York, N.Y.

 HONKE, LIONEL A. (M'31-SM'43), Mng. Dir., Amalgamated Wireless (Australasia), Ltd., 47 York St., Sydney, N.S.W., Australia.

 HONKER, BILLY C. (S'53-A'55), Electronics Engr., Chance-Yought Aircraft, Dallas, Tex.

 HONKER, LAVOY H. (A'51), Chief Engr., KOTV, 302 S. Frankfort St., Tulsa 5, Okla.

 HONKER, RUTH H. (A'55), Librarian, Naval Research Lab., Washington 25, D.C.

 CHONKS, ARTHUR K. (S'51-A'55-M'58), Sr. Engr., Spraye Electric Co., Marshall St., North Adams, Mass.

 HOLE, CHARLES R. (S'57-M'59), 1409 W. 1st St., Winston-Salem, N.C.

 HOOP, RAYMOND E. (S'50-A'52-M'57), Project Engr.,

- HOOP, RAYMOND E. (S'50-A'52-M'57), Project Engr., AC Spark Plug Div., GMC, 1300 Dort Hwy., Flint 2, Mich.
- Mich.

 HOOPER, ALBERT W. (A'41-M'58), Chief Engr., CKRC, 300 Carlton St., Winnipeg 13, Man., Canada.

 HOOPER, BRIAN E. (M'58), Sr. Project Engr., Electronics Internal. Co., 145 W. Magnolia Blvd., Burbank, Calif. HOOPER, EDGAR M. (A'37-VA'39), Chief Engr., 3DB Broadcasting, 36 Flinders St., Melbourne, C.1, Australia.

 HOOPER FDWARD H. (S'55-M'57), Design Engr., West-
- HOOPER, EDWARD H. (S'55-M'57), Design Engr., Westinghouse Elec. Corp., Box 7425, Halethorpe 26, Md. HOOPER, EDWARD T., JR. (M'54), Supvy. Elec. Engr., Magnetics Div., Naval Ordnance Lab., White Oak, Silver Spring, Md.
- Autonetics Div., No. Amer. Aviation, Downey, Calif.

 Autonetics Div., No. Amer. Aviation, Downey, Calif.

 HODPER, JAMES R., JR. (S'40-A'42-M'55), Dir., Special Programs, Case Institute of Technology, University Circle, Cleveland 6, Ohio.
- Creverand 6, Ohio.

 HOOPER, JAMES S. (S'43-A'43-M'55), Communications
 Engr., Utah Power & Light Co., Box B99, Salt Lake City,
 Utah.
- HOOPER, JOHN F. (M'56), Prod. Mgr., Canadian Motor Electronics, Ltd., 105 Bartley Dr., Toronto 16, Ont.,
- HOOPER, JOHN L. (A'55), Mng. Dir., Communications & Electronics, Ltd., Stanley Green Rd., Poole, Dorset, England.
- CHUJIANO.
 HOOPER, PAIGE B. (J'41-A'43), Tech. Dir., Research, SKIL Corp., 5033 Elston, Chicago, III.
 HOOPER, WILLIAM D. (S'47-A'48-M'58), Sect. Head, Beltone Research Labs., 4850 W. Belmont, Chicago 41, III.
- HI.

 HOOPER, WILLIAM G., JR. (S'52-A'53-M'55), Factory Engr., Sylvania Elec. Prods. Inc., Woburn, Mass.
 HOOPER, WILLIAM O. (A'56), Technician, Computer Engrg. Lab., Ge Co., Arizona State Univ., Tempe, Ariz.
 HOOPES, ROBERT O. (S'55-A'56), Engr., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va.
 HOOPS, HENRY W. (A'54), Owner & Operator, Speaker Reconting Service, 3 Hafsted St., Verona, N. J.
 HOOSON, ROBERT W. (A'56), Prod. Engr., Raytheon Mfg. Co., Andover, Mass.
 HOOTEN, MERLE G. (S'58-M'59), 2nd. Lt., U. S. Army, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N. J.
 HOOTEN, LEONARD C. (S'54-M'57), Jr. Engr., Bendix

- HOOTS, LEONARD C. (S'54-M'57), Jr. Engr., Bendix Radio, Towson 4, Md. HOOVEN, MORRIS D. (A'26-VA'39-SM'53), Elec. Engr., Public Service Electric & Gas Co., BO Park Pl., Newark 1, N.J.
- HOOVER, DONALD B. (A'57), Teaching Fellow, Dept. of Physics, Colorado School of Mines, Golden, Colo.

- Physics, Colorado School of Mines, Golden, Colo.

 HOOVER, EDWARO W. (S'56-M'58), Asst. Dev. Engr.,

 Buroughs Com., Paol., Pa

 HOOVER, HAROLD H., JR. (A'56), Staff Engr., Lincoln

 Lab., MiT, South Dartmouth, Mass.

 HOOVER, JOSEPH R. (A'57), Sr. Engr., Bendix Aviation

 Com., 11600 Sherman Way, North Hollywood, Calif.

 HOOVER, KENNETH W. (S'56-M'57), Mem. Tech. Staff,

 Space Technology Labs., Inc., Parick AFB, Fla.

 HOOVER, LADO R. (S'49-A'51), Sr. Systems Engr., CE

 Computer Lab., 951 Commercial St., Palo Alto, Calif.

 HOOVER, MERLE V. (A'42-M'50), Mgr., Systems Projects

 Engra, RCA, New Holland Pike, Lancaster, Pa.

 HOOVER, MERLE V. (JR. (S'56-M'59), Electronics

 Scientist, U.S. Naval Ordnance Lab., Corona, Calif.

- HOOVER, RALPH E. (A'57), Capt., USAF, Military Communications & Electronics, 861st. ACWRON, Aiken, S.C. HOOVER, VANN M. (S'57-M'58), Engr., Western Electric Co., 204 Graham-Hopedale Rd., Burlington, N.C. HOOVER, WILLIAM C. (A'54), Utilities Engr., Kansas State Cop., Commission, State Office Bldg., Topeka, Kan. HOOVER, WILLIAM G. (A'44-M'55), Prof., Elec. Engr., Stamford Univ., Stamford, Calif. HOOVEN, PETER J. (M'5B), Electronics Engr., Convair, San Diego, Calif. HOOYEN, PETER J. (M'5B), Manual Equipment Engr., Southern Bell Tel. & Telegraph Co., 521 W. Chestnut, Louisville 2, Ky.

- Louisville 2, Ky.

 HOPE, RONALO S. (M'4B), Mng. Oir., Commonwealth
 Electronics Pty., Ltd., James St., Baulkham Hills,
 New South Wales, Australia.

 HOPE, WILLIAM J. (A'51), Asst. Engr., Hongkong Telephone Co., Telephone House, Kowloon, Hongkong.

 HOPFER, SAMUEL (SM'5B), Head, Microwave Research
 Dept., Polytechnic Research & Development Co., 202

 Tillary St., Brooklyn, N.Y.

- Dept., Polytechnic Research & Development Co., 202 Tillary St., Brooklyn, N. Y.

 HDPGOOD, RDY C. (A'44-SM'54), Patent Attorney, Mitchell & Bechert, 420 Lexington Ave., New York 17, N. Y.

 HDPKIN, ARTHUR M. (S'46-A'51), Assoc. Prof., Univ. of California, Berkeley 4, Calif.

 HDPKINS, A. R. (A'27-M'32-SM'43), Consultant, Broadcast & Tv Equipment, Prod. Planning & Mktg., 100 Volan St., Merchantville 8, N. J.

 HDPKINS, ALBERT F., JR. (A'3B-VA'39-SM'53), Electronics Engr., FAA, Washington 25, O.C.

 HDPKINS, ALBERT L., JR. (S'55-M'5B), Instr., Harvard Computation Lab., Harvard Univ., Cambridge 3B, Mass.

 HDPKINS, CHARLES H. (M'5B), Engr., Western Electric Co., 220 Church St., New York 13, N.Y.

 HDPKINS, CLEVELAND (M'46-SM'55), Chief, Enroute Analysis Div., Research & Dev., FAA, Washington 25, D.C.

- Analysis Div., Research & Dev., FAA, Washington 25, D.C.

 HOPKINS, CLIFFORO H. (S'57-A'59), Engr., Microwave Associates, Burlington, Mass.

 HOPKINS, OONALO B. (S'56-M'59), Elec. Engr., Lawrence Radiation Lab., Berkeley, Calif.

 HOPKINS, EDWARD J. (A'36-VA'39), 196 Clinton Ave., Brooklyn 5, N.Y.

 HOPKINS, GEORGE H., JR. (S'54-M'5B), Instr., Univ. of Texas, Austin, Tex.

 HOPKINS, GOROON C. (A'42-M'45), Mgr., Special Equipment Sales, Radiomarine Prods., Industrial Electronic Prods., RCA, Camden, N. J.

 HOPKINS, HARRIS F. (SM'57), Sta. Instrumentalities Engr., Bell Tel. Labs., Murray Hill, N.J.

 HOPKINS, JAMES R. (S'57-M'59), Engr., Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

 HOPKINS, JOHN A. (A'57-M'58), Telecommunications Officer, RCAF, 3956 Blenheim St., Vancouver 8, B.C., Canada.

 HOPKINS, JOHN B. (A'44-M'48), Principal Engr., Cornell

- Canada:

 HOPKINS, JOHN E. (A'44-M'48), Principal Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N.Y.

 HOPKINS, JOHN J. (A'45-M'46-SM'56), Assoc. Dir., Engro. & Mfg. Gov. Electronic Div., Emerson Radio & Phonograph Co., 14 & Coles Sts., Jersey City, N.J.

 HOPKINS, LOUIS A., JR. (M'47), Dir. Component Dev., Sandia Corp., Sandia Base, Albuquerque, N.M.

 HOPKINS, PRESTON L. (S'5B-M'59), Electronics Engr., U. S. Civil Service, Patuxent River Naval Air Sta., Md.

 HOPKINS, ROBERT C. (S'47-A'48-M'55), Engr., Systems Develoment Corp., 2500 Colorado Ave., Santa Monica, Calif.
- Lair.

 HOPKINS, ROBERT U. F. (S'40-A'43-M'50), Electronic Scientist, USN Electronics Lab., San Diego 52, Calif.

 HOPKINS, VERNON A. (SM'5B), Antenna Design Engr., GE Co., 319B Chestnus St., Philadelphia 4, Pa.

 HOPKINS, WILLIAM L. (A'45), Pres., Internatl. Electronics Mfg. Co., Box 631, Greenwood Acres, Annapolis, Md. Calif

- Md.

 HOPKINSON, ERIC C. (A'56), Project Engr., Well Surveys, Inc., Box 2656, Tulsa, Okla.

 HOPKINSON, ERNEST A. (A'56-M'59), Systems Engrg., Edgerton Germeshausen & Grier, Inc., 1622 S. "A" St., Las Vegas, Nev.

 HOPNER, EMIL (M'53), Mgr., Data Transmission Research Dept., IBM, Monterey & Cottle Rds., San Jose 3, Calif.

 HOPP, HAROLD W. (M'52), Electronics Engr., Inst., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
- Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. HOPPE, PAUL R. (A'45), 1.790 Washington St., Eugene, Ore.
 HOPPER, ANDREW L. (A'42-M'46-SM'51), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 HOPPER, BILL (S'48-A'50-M'55), Sr. Electronics Engr., Motorola, Inc., Phoenix Research Lab., 3102 N. 56 St., Phoenix, Ariz.
- PROBERT ARZ.

 HOPPER, CLAUDE, JR. (A'54-SM'59), Mgr., Special Prods.

 Design Sect., GE Co., 316 E. 9 St., Owensboro, Ky.

 HOPPER, CYRIL J. (A'55-M'56), Supvg. Engr., Manitoba

 Telephone System, 166 Portage Ave., Winnipeg 1. Man.,

 Canada.
- HOPPER, FRANCIS L. (A'26-SM'44), Military Dev. Engr., Bell Tel. Labs., Lexington Rd., Winston-Salem, N.C. HOPPER, GRACE M. (M'54), Dir., Automatic Programming Dev., Remington Rand Univac, Box 5616, Philadelphia 29, Pa.

- Pa. Hopper, Kennerth Children, 1985 Sol. 6, Philadelphia 29, Pa. Hopper, Kennerth C. (M'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. HOPPER, WILLLIAM L. (S'55-M'5B), Jr. Field Engr., Schlumberger Well Surveying Corp., Snyder, Tex. HOPPS, JOHN A. (M'56), Assoc. Research Officer, Natl. Research Council of Canada., Ottawa 2, Ont., Canada. HOPWOOD, ARTHUR M., JR. (A'56-VA'39), Supvr., Facilities Engr., KYW-KYW-TV, Westinghouse Broadcasting Co., Jnc., 815 Superior Ave., Cleveland 14, Ohio. HORAK, FRANK A. (SM'56), Sr. Engr., Texas Instruments, Inc., 135Cn N. Central Expressway, Dallas, Tex. HORAK, ROBERT J. (M'58), 1975B Aminta St., Canoga Park, Calif.
- Park, Calif.
 HORAN, EDWARD F. (SM'58), Project Mgr., Page Communications Engrg., Inc., 710 14 St., N.W. Washington 5, D.C.
 HORAN, JOHN J. (A'50-M'55), Asst. Sales Mgr., Barnes
 Engrg., Co., 30 Commerce St., Stamford, Com.

- HORAN, WALTER H. (A'50), Broadcast Engr., WHDH, Matheson Radio, Inc., 6 & James Sts., Boston, Mass.

 HORAVA, ALEXANDER P. (A'59), U.S. Amny, Asst. Chief, Radiobiology Sect., AFIP, Washington, D.C.

 HORBACH, STEPHEN (A'44-M'45), Pres., Elec., Plastics Corp.; Pres. U.S. Electronics Corp., 275 Warren St., Lyndhurst, N.J.
- Lyndhurst, N.J.

 NPCHLER, FREDERICK W., III (M'56), Mgr., Data Acquisition Planning, RCA Service Co., Patrick AFB, Fla.
 HORE, H., BRENNAN (4'50), Prod., Mgr., Aerovox Canada, Ltd., 1551 Barton St., E., Hamilton, Ort., Canada.
 HORE, K.ANTIKUMAR (M'56), Studentenwohnheim, Berlin-Charlottenburg, Hardenbergstr. 34, Germany.
- HORELICK, DALE (M155), Sr. Engr., ITT Labs., Nutley 10,
- MARGAN, JAMES D. (M'58), Chmn., Dept., Elec. Engrg. Marquette Univ., 1515 W. Wisconsin Ave., Milwaukee, Wis. HORI, KAZUO (S'57-M'59), 1342-A Franklin St., Santa Monica, Calif.
- Monica, Calif.
 HORNA, OTAKAR A. (A'49-M'56), Sr. Research Engr., Research Institute of Computation, Loretanske 3, Praha 1, Czechoslovakia.
- HORNE, CHARLES F. (S'53-SM'53-F'58), Rear Admiral Retired, V.P., Div. Mgr., Convair, Box 1011, Pomona, Calif.
- HORT, KAZUO (S'57-M'59), 1342-A Franklin St., Santa Monica, Calif.
- Monica, Calif.
 HORIUCHI, HARVEY H. (S'57-M'59), Dev. Engr., Dynamics Instrumentation Co., 1118 Mission St., South Pasadena, Calif.

- Instrumentation Co., 1116 Mission Str., Soluth Pasaderia, Calif.

 HORLBECK, WILLIAM E. (M'52), Owner, Mobile Radio Service, 318 S. St. Clair St., Pittsburgh 6, Pa.

 HORLICK, ALAN M. (A'58), Field Service Rep., GE Co., Syracuse, N.Y.

 HORLICK, PAUL H. (M'59), V.P., William I. Horlick Co., Inc., 266 Summer St., Boston 10, Mass.

 HORMAN, FREDERICK L. (M'54), Pres., Homan Associates, Inc., 914 Rollins Ave., Rockville, Md.

 HORN, CHARLES E. (S'53-A'54-M'58), Sr. Test Engr., Convair, Ft. Worth, Tex.

 HORN, CHARLES H. (M'53), Supvg. Engr., The Bell Tel.

 Co. of Philadelphia, 1835 Arch St., Philadelphia 3, Pa.

 HORN, CHARLES W. (A'14-M'28-F'30), Mgr., Cia, Distribuidora Mercantil S.A., Calle Rhin #33, Mexico City D.F.

 5, Mexico.

 HORN, H. TORY (A'47-M'55), Pres. & Genl. Mgr., Western
- o, Mexico
 HORN, H. TORY (A'47-M'55), Pres. & Genl. Mgr., Western
 Electronic Supply Co., 717 Dexter Ave., Seattle 9, Wash.
 HORN, HARRISON S. (S'47-A'50-M'52-SM'56), Genl.
 Engr., Link Aviation, Inc., 530 University Ave., Palo Alto,
 Calif.

- Callf.
 HORN, HEINZ (SM'57-F'59), V.P., Felten & Guilleaume
 Carlswerk AG., Koln-Mulheim, Germany.
 HORN, HELMUT J. M'55), Physicist, Army Ballistic Missiles
 Agency, Redstone Arsenal, Ala.
 HORN, IRVING (S'54-A'55-M'57), Assoc. Dev. Engr., Research Center, Burroughs Corp., Great Valley Labs., Paoli,
 Pa.
- Pa.

 HORN, LEONARD H. (A'41-SM'50), Assoc. Mng. Engr., Underwriters' Labs., Inc., 207 E. Ohio St., Chicago. Ill.

 HORN, ROBERT E. (S'52-A'55), Fellow Engr., Westinghouse Elec. Corp., Air Am Div., Box 746, Baltimore 3, Md.

 HORN, ROBERT H. (A'48-M'55-SM'58), Sr. Group Engr., Santa Ana, Calif.

 HORN, MISCIL M. (AISA).
- Santa Ana, Calif.

 HORN, VIRGIL M. (A'54), Research Assoc., Metropolitan
 Life Insurance Co., 1 Madison Ave., New York 10, N.Y.

 HORNA, OTAKAR A. (A'49-M'56), Sr. Research Engr., Research Institute of Computation, Loretanske 3, Praha 1,
 Czechoslovakia.

 HORNAK, PAUL M. (S'52-A'53-M'58), Prod. Design Engr.,
 GE Co., LMED., Utica, N.Y.

 HORNBECK, ALTON 8. (M'59), Engr., GE Co., Syracuse,
 N.Y.

- N.Y.
 HORNBECK, JOHN A. (M'57-SM'57), Dir., Electron Tube & Transistor Dev., 8ell Tel. Labs., Murray Hill, N.J.
 HORNBERG, KENNETH D. (S'42-A'44-SM'53), Natl. Bur-eau of Standards, Asst. Div. Chief, Radio Propagation Engrg. Div., 8oulder, Colo.

- Div., Boulder, Colo.

 HORNBERGER, ROBERT F. (M'58), Mfg. Engr., Western Electric Co., Laureldale, Pa.

 HORNBROOK, FRANK W. (M'57), Electronics Engr., Radar Engr., Branch, Kelly AFB, San Antonio, Tex.

 HORNBY, OAVID A. (S'49-A'50-M'55), Col., USAF, Hgrs., 8 angor Air Defense Sector, Topsham A.F.S., 8runswick, Me. HORNBY, F. R. (A'39), Lt. Col., 191 Marshalswick Lane, St. Albans, Herts., England.

 HORNE, C. PHYLL (M'54), Radio Engr., J.C. McNary, Consulting Radio Engrs., 906 Natl. Press Bidg., Washington 4, D.C.

 HORNE, CHARLES, F. (S'53-SM'53-F'58), Rear Admiral
- HORNE, CHARLES F. (S'53-SM'53-F'58), Rear Admiral Retired, V.P., Oiv. Mgr., Convair, 8ox 1011, Pomona, Calif.

- Retired, V.P., Olv. Mgr., Convalr, Box 10.11, Pomona, Calli.

 HORNE, KENNETH M., JR. (A'51), Radio & Radar Technician, Braniff Internatl. Airways, Love Field, Dallas, Tex.

 HORNE, ORION P. (A'54), Communications Engr., Texas Gas Transmission Corp., Box 577, Owensboro, Ky.

 HORNE, RILEY C., JR. (SM'57), Project Engr., ARINC Research Corp., 1700 K St., N.W., Washington 6, D.C.

 HORNE, WILLIAM H., Ill (S'56-M'58), Engr., Kelloga Switchboard & Supply Co., Wake Forest Rd., Raleigh, N.C.

 HORNE, WILLIAM J., JR. (S'15-1-A'52-M'57), Engr., Sperry Groscope Co., Great Neck, L.I., N.Y.

 HORNECK, JULIUS F. (M'57), Engr., Airtron, Inc., 1101 Elizabeth Ave., Linden, N.J.

 HORNER, GEORGE F. (A'52-M'59), Engr., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.

 HORNER, JOHN E. W. (A'58), Lt. Col., U.S. Army Signal Corps., Home: 28 Arlington Ave., Caldwell N.J.

 HORNER, ROBERT G. (S'48-A'49-M'55), Chief Electronics Project Engr., Curtiss-Wright Corp., Industrial & Scientific Div., Caldwell N.J.

 HORNER, ROBERT G. (S'48-A'49-M'55), Chief Electronics Project Engr., Curtiss-Wright Corp., Industrial & Scientific Div., Caldwell N.J.

 HORNER, ROBERT G. (S'48-A'49-M'55), Chief Electronics Project Engr., Curtiss-Wright Corp., Industrial & Scientific Div., Caldwell N.J.

 HORNER, S. GEORGE L. (M'46-SM'50-Fi57), Supt., Radio Div., Hudson's Bay Co., Northem Stores Oept., Hudson Bay House, Winnipeg 13, Man., Canada.

 HORNETT, HENRY (M'59), Sr. Engr., Genl. Ultrasonics Co., 67 Mulberty St., Hartford, Com.

 HORNICK, JOSEPH C. (S'56-M'57), Jr. Engr., IBM, Pough-kepsie, N.Y.

 HORNIMAN, NEIL L. (A'48-M'55), Owner, Homiman Electronic Labs., 720 Jennings Ave., Petoskey, Mich.

- HORNIMAN, NEIL L. (A'48-M'55), Owner, Horniman Electronic Labs., 720 Jennings Ave., Petoskey, Mich.

- HORNING, THOMAS D. (A'53), Sr. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif. HORNSBY, JOHN, JR. (S'51-A'52-M'56), Sr. Electronics Engr., Genl. Mills, Inc., 2D03 E. Hernnepin Ave., Minneapolis, Minn.
 HORNSETH, JOHN P. (M'56), Research Psychologist, Wright Air Development Center, Wright-Patterson AFB, Ohio.
 HORNSTEIN, MORTON B. (M'56), Physicist, Westinghouse Elec. Corp., Youngwood, Pa.
 HORNUNG, JOHN F. (S'56-M'58), Electronics Engr., Interstate Electronics Corp., Anaheim, Callf.
 HORNUNG, STEPHEN A. (A'55), Sr. Engr., Otis Elevator Co., 260 11 Ave., New York, N.Y.
 HORNVAK, FRANK J. (A'59), Design Engr., Lockheed Missile Systems Div., Sunnyvale, Calif.
 HOROWITZ, HERBERT (M'58), Dir., Commercial Prods., Dyna-Empire, Inc., 1075 Stewart Ave., Garden City, L.I., N.Y.

- L.I., N.Y.

 HOROWITZ, ISAAC M. (S'52-A'53-M'58), Mem. Tech. Staff, Hughes Research Labs., Culver City, Calif. HOROWITZ, ISIDOR (A'58), Mgr., Horowitz Electronics Co., 1775 E. 17 St., Brooklyn 29, N.Y.
 HOROWITZ, JOSEPH (S'47-A'49-M'55), Project Mgr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.
- HOROWITZ, LEON (M'54), Dev. Engr., Stavid Engrg. Coro., Rte. 22, Plainfield, N.J.
- Corp., Rte. 22, Plainfield, N.J.
 HOROWITZ, MAURICE (M'56-SM'56), Physicist, Goodyear
 Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 HOROWITZ, ROBERT B. (A'56), Consultant, 6613 Cahuenga
 Ter., Hollywood 28, Calif.
 HOROWITZ, SAMUEL (A'51-M'56), Propagation Lab.,
 Cambridge Research Center, Bedford, Mass.
 HORRELL, MAURICE W. (A'37-M'44-SM'50), Geni. Mgr.,
 Bendix Computer Div., 5630 Arbor Vitae St., Los Angeles
 45, Calif.

- HORRIGAN, EDWIN W. (M'50-SM'57), Engr., Canadian Broadcasting Corp., Box 10, Snowdon, Montreal, P.Q., Canada.

- Canada.

 HORRIGAN, JOHN 8. (A'53-M'59), Sr. Engr., Sylvanla Flec. Prods., Inc., Woburn, Mass.

 HORRIGAN, JOHN S. (A'49), Genl. Engr., Wright Air Development Center, Wright-Patterson AF8, Ohio.

 HORROCKS, STANLEY W. (A'38-VA'39-M'55), Asst. Genl. Mgr. Autonetics Div., No. Amer. Aviation, Downey, Calif. HORSCH. JAMES R. (A'54), Engr., GE Co., Syracuse, N.Y. HORSEMAN, THERON E. (A'46-M'55), Engr., Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland 15, Ore.

 HORSLEY, G. SMOOT (M'57). Asst. Dir., Shockley
- HORSLEY, G. SMOOT (M'57), Asst. Dir., Shockley Semiconductor Lab., 391 S. San Antonio Rd., Mountain Semiconducto View, Calif.

- HORSLEY, G. SMOOT (M'57), Asst. Dir., Shockley Semiconductor Lab., 391 S. San Antonio Rd., Mountain View, Calif.

 HORSMAN, JAMES O. (A'49), Assoc. Engr., Bendix Radio Div., Joppa Rd., Towson 4, Md.

 HORST, CHARLES W. (A'54), Apparatus Engr., Southern California Edison Co., Box 351, Los Angeles 53, Calif.

 HORST, FUGENE P. (S'56-M'58), Assoc. Engr., Martin Co., Baltimore 3, Md.

 HORST, ROBERT L. (S'56-M'59), Research Physicist, Armstrong Cork Co., Lancaster, Pa.

 HORST, RULLIAM R. (S'48-A'52-M'56), Research Engr., Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio.

 HORTH, HOMAS C. (S'54-M'59), Group Supvr., Tasker Instruments Corp., Hollywood, Calif.

 HORTMAN, JACK D. (S'49-A'51-M'56), Unit Head, Naval Research Lab., Code 543 BC, Washington 25, D.C.

 HORTON, ARTHUR 8., JR. (S'45-A'50-M'57), Chief Proposal Engr., Bell Aircraft Corp., Box J., Bulfalo 5, N.Y.

 HORTON, ARTHUR W., JR. (SM'49-F'59)), Tech. Relations is Mgr., Bell Tel. Lab., MJrray Hill, N.J.

 HORTON, BILLY M. (A'52-M'57), Chief Supporting Research Lab., Colamorace Fuze Labs., Connecticut Ave. & Van Ness St., Washington 25, D.C.

 HORTON, BLANCHARD W. (A'56-M'59), Test Foreman, RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.

 HORTON, C. DAVE (A'56-M'58), Quality Control (Air Force) RCA Service Co., 29 W. Apple St., Dayton, Ohio.

 HORTON, DONALD K. (S'43-A'44-M'55), Engr., GE

 Co., Owensboro, K. (S'43-A'44-M'55), Assoc. Design Engr., Southern California Cas Co., Box 3249, Terminal Annex, Los Angeles 54, Calif.

 HORTON, DEWIN J. (S'47-A'9-M'55), Assoc. Design Engr., Southern California Cas Co., Box 3249, Terminal Annex, Los Angeles 54, Calif.

 HORTON, HERBERT C. (M'58), Field Engr., RCA Service Co., Camden 8, N. J.

 HORTON, J. HER (A'46-M'51), Dir., Engrg., RCA Service Co., Camden 8, N. J.

 HORTON, J. HER (A'46-M'51), Dir., Engrg., RCA Service Co., Camden 8, N. J.

 HORTON, J. HER (S'55-M'57), Design & Dev. Engr., Burrough Corp., Paoil, Pal.

 HORTON, J. HER (S'55-M'57), Design & Dev. Engr., Dev., Pal. (Norton), J. Harker, Michael S., Pal. (S), Pal

- Dayton 19, Ohio.

 HORTON, WILLIAM H. (S'42-A'45-M'53-SM'55), V.P. & Tech. Dir., Systems, Inc., 2326 Diversified Way, Orlando, Fla.
- Fla.

 HORTON, WILLIAM P. (A'51-M'56), Mgr., Engr. Oept.,
 Computer Control Co., Inc., 225 Old Connecticut Path,
 Framingham, Mass.

 HORTUVIA, FERNANDO A. (A'58), Ingeniero en Electronica,
 A.P. M., Escuela de Telecomunicaciónes del Ejercito,
 Antonio Varas 1660, Santiago, Chile.
- HORVATH, ALEXANDER (M'44-SM'50), Mngt., Electronic Defense Lab., Mountain View, Calif.
 HORVATH, ANTON E. (A'49-M'55), Elec. Testing Engr., Wisconsin Electric Power Co., 231 W. Michigan St., Milwaukee 1, Wis.

- HORVATH, CHARLES (S'49-A'50-M'55), Elec. Engr., GE Co., Lakeside Ave., Burlington, Vt. HORVATH, JOHN S. (A'49-M'55), Field Engr., RCA Semi-conductor DIv., 6355 E. Washington Blvd., Los Angeles,
- Cailf.

 HORVATH, JOHN W. (S'54-A'55), Engrg., Military Div., Dage Television, Thompson Prods., W. 10 & Sheridan Sts., Michigan City, Ind.

 HORVATH, JULIUS O. (S'50-A'51), Sr. Technician, Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Amherst 21, N.Y.

 HORVATH, MATTHEW J., JR. (S'55-M'55), Aircraft Maint. Officer, USAF, 92nd. Tactical Fighter Sqdn., APD 755, New York, N.Y.

 HORVATH, STEPHEN J. (S'56-M'59), Elec. Engr., Allen B. Dumont Labs., Inc., 35 Market St., East Paterson, N.J.

 HORVATH, STEVE (A'59), Box 530, R.D. 1, Mingo Junction, Ohio.
- Ohio.

 HORVATH, WILLIAM J. (SM'55), Research Assoc. Mental Health Research Institute, Univ. of Michigan, 1137 E. Ann St., Ann Arbor, Mich.

 HORVITZ, SAMUEL (A'58), Pres. & Treas.. Decisions, Inc., 1465 Pleasant St., Fall River, Mass.

 HORWITZ, SIDNEY J. (A'43-M'48), Head, Equipment Div., Aerial Measurements Lab., Northwestern Univ., Evanston, III.
- III.
 HORWINSKI, ELWOOD R. (M'56), Chief Engr., Special Pro-jects, Materiels & Constructions, 15 Rue de la Faisanderie, Paris 16, France.
- Paris 16, France.

 HORWITZ, GERALD (S'48-A'52-M'58), Electronics Engr.,
 Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
 HORWITZ, HAROLD C. (M'57), Electronics Engr., Engineered
 Electronics, 506 E. 1st St., Santa Ana, Calif.
 HORWITZ, JOSEPH D. (A'59), Test Engr., Supvr. on Computers, Philoc Corp., 4700 Wissahickon Ave., Philadelphia
- HORWITZ, LOUIS B. (S'48-A'50-SM'56), Chief Engr., Berkeley Div., Beckman Instruments, Inc., 2200 Wright Ave., Richmond 3, Calif.
- HORWITZ-SIDNEY J. (A'43-M'48), Head, Equipment Div., Aerial Measurements Lab., Northwestern Univ., Evanston, III.
- HORWOOD, JOHN L. (M'59), 1444 Tedder Ave., Ottawa 1,
- NORWIGOU, JUHN L. (M'59), 1444 Tedder Ave., Ottawa 1, Ont., Canada.
 NOSBACH, GERARD H. (A'57), Research Engr., No. Amer. Aviation, Internatl. Airport, Los Angeles 45, Calif.
 HOSE, EDDY (M'56), Design Specialist, Cubic Corp., 5575 Kearney Villa Rd., San Diego 11, Calif.
 HOSEA, MELVIN E. (S'50-A'51-M'56), Sr. Engr., The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

- HOSEA, MELVIN E. (S'50-A'51-M'56), Sr. Engr., The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

 HOSEA, ROBERT A. (S'48-A'50-M'55), Partner, H., & F. H. Hosea Co., 410 Elliott Ave., Cincinnati 15, Ohio.

 HORSENTHIEN, HANS H. (A'54-M'58), Electronics Engr., Redstone Arsenal, Ala.

 HOSHIKA, YOZO (A'56), Radio Communication Sect., Chugoku Police Bureau, 1 kasumi Cho, Hiroshima, Japan.

 HOSKER, GERALD R. (M'49), Chief Engr., Bach-Simpson, Ltd., 1255 Brydges St., London, Ont., Canada.

 HOSKING, MICHAEL 8. (M'58), Tech. Writer, Stromberg Carlson Co., Rochester, N. Y.

 HOSKINS, EDMUND E. (A'46-SM'54), Pres., Transformer Engrs., Inc., 285 N. Halstead Ave., Pasadena 8, Calif. HOSKINS, HUGH T. (S'57-M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 HOSKINS, LYNWOOD C. (M'54), Chief Engr., CFQC-AM, CFQC-TV, 216 1st Ave., N., Saskatoon, Sask., Canada.

 HOSKINS, RUSSELLE. (A'54), Chief, Airways Tech. Field Office, FAA, 2300 S. 25 St., Salem, Ore.

 HOSKINSON, MILLARD F. (S'58-M'59), Asst. Engr., Ford Instrument Co., 41-10 Thomson Ave., Long Island City, N.Y.

 HOSKINSON, WILLIAM C. (S'57-M'58), Electronics Engr., Ray-theon Mfg. Co., Chapel St., Newton, Mass.

 HOSMER, BRADFORD E. (S'52-A'53-M'58), Engr., Ray-theon Mfg. Co., Chapel St., Newton, Mass.

 HOSMER, ELLSWORTH A. (SM'49), Pres., E.A. Hosmer & Co., Kemwood, Calif.

 HOSSODA, JIMMIE (A'56), Chief Engr., Obmont Div., Dumont-Airplane & Marrine Instruments, Inc., Clearfield, Pa.

 HOSSIBJOR, ARYE (S'57-M'58), Design Engr., Raytheon Mfg. Co., Wayland, Mass.

 HOSTBJOR, ARVE (S'57-M'58), Design Engr., Raytheon Mfg. Co., Wayland, Mass.

 HOSTBJOR, ARVE (S'57-M'58), Design Engr., Raytheon Mfg. Co., Wayland, Mass.

- Pomona, Calif.

 HOSTETLER, WILLARD E. (A'55-M'55), Elec. Engr., Bell
 Tel Labs., 2525 Shadeland Ave., Indianapolis, Ind.
 HOSTETTER, OONALO M. (S'54-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 HOSTETTER, JOHN M. (S'54-M'55), Application Engr.,
 HMEO, GE Co., Syracuse, N.Y.

 HOTCHKIN, EDGAR E. (A'51-M'56), Sr. Project Engr., Consolidated Electrodynamics, 360 N. Sierra Madre Villa, Pasadena, Calif.
- agena, Jair.
 HOTCHKISS, CHARLES S. (A'44-M'51), Applications Engr.,
 Land-Air, Inc., 7444 W. Wilson Ave., Chicago 31, Ill.
 HOTCHKISS, GEORGE L. (M'57), Project Engr., I8M, Poughkeepsie, N.Y.

- Keepsie, N.Y.
 HOTCHKISS, JACK H. (A'57), Thermal Lab. Technician, Colins Radio Co., Cedar Rapids, lowa.
 HOTCHKISS, STUART E. (M'59), Mech. Engr., Magnavox Co., 1505 E. Main St., Urbana, III.
 HOTH, DANIEL F. (SM'52), Dir., Transmission Studies, 8ell Tel. Labs., Murray Hill, N.J.
 HOTINE, WILLIAM (M'48), Proprietor, Mountain Electronics, 1047 Noble Ave., Beaumont. Calif.
 HOTOPP, ALFRED H. (A'22-M'28-SM'43), Radio TV Consultant, 45 Hillside Ave., Caldwell, N.J.
 HOTT, RICHARD O. (S'45-M'56), Engr., Naval Ordnance Lab., White Oak, Md.
- Lab., White Oak, Md.
 HOTVEDT, ALFRED (M¹58), Sect. Chief, Western Electric
 Co., c/o Bell Tel. Labs., Whippany, N.J.
 HOTZ, MELVIN (S'48-A'50-M'56), Sr. Engr., Westinghouse
 Elec. Corp., Friendship Internati. Airport, Baltimore 3, Md.

- HOUBAER, ANTON J. (A'59), Mng. Dir., Universal Import AB., Kronobersgatan 19, Stockholm, Sweden.
 HOUCK, GEORGE S. (S'51-A'52-M'57), Design Engr., RCA, Moorestown, N.J.
 HOUCK, GILBERT R. (A'57), Crystal Engr. & Quality Control Supyr., Hill Electronics, Inc., 300 N. Chestnut St., Mechanicsburg, Pa.
- HOUCK, GLADDEN B., JR. (S'41-A'45-M'55), Prod. De & Dev. Engr., Safe Flight Instrument Corp., 4 Water St., White Plains, N.Y.
- HOUCK, GLEN A. (M15B), Elec. Engr., RCA, Moorestown,
- HOUCK, HARRY W. (A'19-M'2B-SM'43-F'57), V.P. & Genl. Mgr., Measurements, McGraw-Edison Div., 42 Intervale Rd., Boonton, N.J.
- HOUCK, HOMER, JR. (A'44), Mobile Radio Technician, Gent. Telephone Co. of Indiana, Inc., 129 S. 2nd St., Elkhart, Ind.
- Ind.

 HOUCK, JAMES W. (A'45), Pres. & Owner, J-H Electronics Sales Co., Box 6B44, Towson 4, Md.

 HOUCK, ROGER D. (5'56-M'57), Electronics Design Engr., Hughes Altrcaft Co., 3801 W. Artesla, Fullerton, Calif.

 HOUDE, ROBERT A. (A'57), Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.

 HOUDYSHELL, HARRY H., (S'50-A'51-M'56), Chief Prod. Engr., Helipot Div., Beckman Instruments, Inc., 2500 Fullerton Rd., Fullerton, Calif.

 HOUGEN, HAROLD C. (A'47-M'47), Research Geophysicist, Humble Oil & Refining Co., Box 2180, Houston 24, Tex. HOUGH, HOWARD O. (S'49-A'50-M'55). Sr., Projects.
- HOUGH, HOWARD O. (S'49-A'50-M'55), Sr. Projects, Mem. Tech. Staff, Missile, Electronics & Controls, RCA, Burlington, Mass.

- Burlington, Mass.

 HOUGH, JOHN B. (5'54-A'54), 140 E. 40 St., New York 16, N.Y.

 HOUGH, R. R. (S'4D-A'43-SM'46), Asst. Chief Engr., AT&T Co., 195 Broadway, New York 7, N.Y.

 HOUGH, ROBERT D. (M'46), Tech. Dir., Clarksburg Broadcasting Corp., 339 Main St., Clarksburg, W.Va.

 HOUGH, WAYNE E. (M'57), Elec. Engr., Remington Rand Univac, Minneapolis 16, Minn.

 HOUGHTON, EDWARD W. (SM'46), Engr., Bell Tel. Labs., Murray Hill, N.J.
- HOUGHT ON, EDWIN G. (M'48-SM'55), Dir., Communications, Hors., Fourth Allied Tactical Air Force (NATO), Trier, Germany.
- Cations, Hdrs., Fourth Allied Tactical Air Force (NATO), Trier, Germany.

 HOUGHTON, HARRY V., JR. (S'46-A'49-M'55), Head, Ground Support Equipment Sect., Radar Dept., Hughes Aircraft Corp., Culver City, Calif.

 HOUGHTON, MALCOLM E. (A'59), Instr., DeVry Technical Institute, 4141 W. Belmont Ave., Chicago, III.

 HOUGHTON, RICHARD A. (M'59), Electronics Engr., Radiation, Inc., Box 37, Melbourne, Fla.

 HOUGHTON, RICHARD W. (M'51), Chief Engr., Waters Mfg., Inc., Boston Post Rd., Wayland, Mass.

 HOUGHTON, RUSSELL B. (A'53-M'53), 2905 Taylor Ave., Baltimore 14, Md.

 HOUGHTON, THOMAS F. (M'55), Engr., Aircraft Radio Corp., Boonton, N.J.

 HOUGHTON, WILLIAM D. (A'44-SM'5B), Research Engr., RCA Labs., Princeton, N.J.

 HOULDIN, RUSSELL J. (A'55), Assoc. Engr., IBM, Poupikeepsie, N.Y.

- Poughkeepsie, N.Y.

 HOULDING, NORMAN (SM'57), Dir., Varactor Research, Microwave Associates, Inc., Burlington, Mass.

 HOULE, LEONARD A. (S'56-M'58), Engr., American Machine & Foundry, Greenwich, Conn.

 HOULE, TIM H. (S'52-A'54-M'59), Jr., Elec. Research Engr., A. O. Smith Corp., 3533 N. 27 St., Milwaukee, Wis.
- Wis.
 HOULIHAN, RICHARD P. (A'48-M'55), V.P., Gavitt
 Wire & Cable Co., Central St., Brookfield, Mass.
 HOULROYD, GEORGE F. (A'49-M'55), Plant Supt.,
 Boonton Radio Corp., Intervale Rd., Boonton, N. J.
 HOUPIS, CONSTANTINE H. (S'47-A'50-M'55), Assoc.
 Prof., Elec. Engrg., Air Force Institute of Technology,
 Wright-Patterson AFB, Ohio.

 MOLIDHAM AL REDT M. (S'53-A'54), Sept. Leader.
- HOURIHAN, ALBERT M. (S'53-A'54), Sect. Leader, Research Gyro Test, MIT Instrumentation Lab., Cambridge, Mass.
- Mass.

 HOUSE, EUGENE A. (M'56), Jr. Project Engr., Maico Electronics, Inc., 21 N. 3rd St., Minneapolis 1, Minn. HOUSE, HAYWARD J. (S'49-A'50-M'55), Electronics Engr., Naval Air Development Certer, Johnsville, Pa. HOUSE, HERBERT J. (A'51), Chief Engr., WMBO, Inc., Metcalf Bldg., Auburn, N.;

 HOUSE, LEWIS G. (M'45), Standards Rm., Vibration Lab., United Aircraft Corp., Windsor Locks, Conn. HOUSEG, JOHN (M'57), Principal Engr., Martin Co., Denver, Colo.

- Denver, Colo.

 HOUSEMAN, ERNEST O., JR. (S'55-M'56), Sr. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 HOUSER, BARRY E. (A'55), Pres., Sales Engr., Houser Associates, 188 Water St., Perth Amboy, N.J.

 HOUSER, CHARLES R. (A'56), Contractor Technician, Page Communications Engr., Inc., 710 14 St., N.W., Washington 5, D.C.

 HOUSER, HARRY B. (M'58), Programs Coordinator, Defense Dept., 3801 Nebraska Ave., Washington, D.C.

 HOUSER, NORRIS W. (A'49-M'55), Radio Speaker Engr., The Magnavox Co., 2131 Bueter Rd., Ft. Wayne, Ind.

 HOUSER, WESLEY G. (S'48-A'50-M'55), Asst. Prof., Pennsylvania State Univ., University Park, Pa.

 HOUSEWORTH, GEORGE H. (A'48-M'55-SW'57), Project Engr., Naval Training Device Center, USN, Port Washington, L.I., N.Y.

 HOUSEY, LAWRENCE J. (M'57), Elec. Engr., RCA,
- HOUSEY, LAWRENCE J. (M'57), Elec. Engr., RCA, Camden, N.J.

- Camden, N.J.

 HOUSEHOLDER, DEAN B. (SM'57), Project Engr., Philco
 Corp., 3B75 Fabian Way, Palo Alto, Calif.

 HOUSMAN, BE NNETT, JR. (A'53-M'58), Dev. Engr., IBM,
 Poughkeepsie, N.Y.

 HOUSMAN, HYMAN (M'55), Systems Engr., Internatl.

 Electric Corp., Rt. 17, Paramus, N.J.

 HOSTEAU, CLYDE M., JR. (A'58), Parts Mgr., Appliance
 Wholesalers, 1197 Wick Ave., Youngstown 4, Ohio.

 HOUSTON, C. DOUGLAS, JR, (M'58), Elec. Production
 Engr., Missile Div., Chrysler Corp., 38111 Van Dyke,
 Warren, Mich.

- HOUSTON, CHARLES E. (A'42-M'45-SM'56), Prof., Elec. Engrg., Texas Tech. College, Lubbock, Tex. HOUSTON, DAVID R. (M'56), Project Engr., Westinghouse Elec. Corp., Friendship Internati, Airport, Baltimore, Md.
- HOUSTON, EDWIN E., JR. (M'57), Advanced Design Engrg., The Martin Co., Orlando, Fla.
- The Martin Co., Orlando, Fla.

 HOUSTON, G. PORTER, (A'2B-M'48-SM'49), Chief
 Engr., Baltimore Broadcasting Corp., N & Harford Aves.,
 Baltimore, Md.

 HOUSTON, JAMES A. (S'51-A'52-M'56-SM'59), Principal
 Dev. Engr., Aircraft Armaments, Inc., Cockeysville, Md.
 HOUSTON, JOHN T., JR. (A'5B), Asst. to Prod. Mgr.,
 Instrumentation Div., S.I.E., Houston, Tex.
 HOUSTON, RICHARD H. (A'57), Radio Engr., Collins
 Radio Co., Cedar Rapids, Jowa.
- HOUSTON, WILLIAM B. (S'5B-M'59), Engr., Philco Corp., 3B75 Fabian Way, Palo Alto, Calif.

- OBJOY Fabian way, Palo Alto, Calif.
 HOUSTON, WILLIAM C. (M'SB), Asst. Lab. Project Engr.,
 McDonnell Aircraft Corp., St. Louis, Mo.
 HOUTS, HAROLD E. (SM'58), Mem. Tech. Staff, Sandia
 Corp., Sandia Base, Albuquerque, N.M.
 HOUTSMULLER, J. (SM'48), Scientist, Radio Labs.,
 Netherlands, P.T.T., Kortonaarhade 12, Denhaag,
 Netherlands.
- HOUVENAGLE, THOMAS L. (S'56-M'5B), Draftsman, Brooks, Borg, Architects-Engrs., B15 Hubbell Bldg., Des Moines 2, Jowa.
- OS MOINES ∠, IOWA.

 HAVANNESIAN, ALBERT S. (M'53), Pres., Diamond
 Antenna & Microwave Corp., 7 North Ave., Wakefield, Mass.

 HOVDA, ROBERT E. (A'54), Sr. Research Engr., Autonetics
 Div., No. Amer. Aviation, 9150 Imperial Hwy., Downey,
 Calif.

- Calif.
 HOVE, ROBERT G. (S'56-M'57), Research Engr., Boeing
 Airolane Co., Seattle, Wash.
 HOVER, PAUL B. (S'53-A'54), Design & Dev. Engr.,
 Ranco, Inc., 601 W. 5 Ave., Columbus 1, Ohio.
 HOVERMAN, WILLIAM O. (M'54), Mgr., Sales, GE Co.,
 Syracuse, N.Y.
 HOVERSTEN, ESTIL V. (S'57-M'59), 612 Duff, Ames. Iowa.
 HOVEY, BERTRAM K. (SM'47), 208 Thaw Hall, Univ.
 of Pittsburgh, Pittsburgh 13, Pa.
- OF PITSDURGH 79, PATTSDURGH 13, Pa.
 HOVEY, DANIEL P. (A'46), Retired, 45 2nd St.,
 Hamden 14, Conn.
 HOVEY, WILLIAM J. (S'52-A'53-M'5B), Elec. Engr.,
 Univ. of Dayton, Dayton 9, Ohio.
 HOVGAARD, OLE M. (A'24-M'26-SM'43), Switching
 Apparatus Engr., Bell Tel. Labs., 462 West St., New
 York 14, N.Y.
- YON 14, N. Y.

 HOVINEN, ROY W. (S'56-M'57), Asst. Engr., Illinois
 Bell Tel. Co., 20B W. Washington, Chicago 6, Ill.

 HOVING, HOMER R. (M'57), Designer, Douglas Aircraft
 Co., El Segundo, Calif.

 HOWNANIAN, H. PHILIP (SM'56), Dept. Mgr., Research
 & Advanced Dev. Div., Avco Mfg. Corp., 201 Lowell
 St., Wilmington, Mass.
- St., Wilmington, Mass.
 HOW, FRED B. (A'52), Consultant to Electronics Div., Cad-illac Associates, Inc., 29 E. Madison St., Chicago 2, III.
 HOWARD, ALEXANDER B. (A'56), Sr. Microwave Research Technician, Sylvania Microwave Physics Lab., B20 Fabian Way, Palo Alto, Calif.
- HOWARD, BENJAMIN F., JR. (M'59), Sr. Engr., West-inghouse Elec. Corp., Box 746, Baltimore 3, Md. HOWARD, CARLTON T. (A'55), Field Analyst (Electronics), The Ramo-Wooldridge Corp., Box 45444, Airport Sta., Los Angeles 45, Calif.
- HOWARD, CHESTER I. (S'54-M'56), Coast Guard Officer, USCG, 1300 East St., N.W., Washington 25, D.C. USCG, 1300 East St., N.W., Washington 25, D.C.
 HOWARD, DAVID C. (M'52), Sect. Head, Radiation, Inc.,
 Box 37, Melboume, Fla.
 HOWARD, DAVID F. (A'56-M'59), Capt., USAF, USAFIT,
 Wright-Patterson AFB, Ohio.
 HOWARD, DAVID J. (S'56-M'57), Research Asst., MIT,
 Cambridge 39, Mass.
 HOWARD, DEAN D. (S'47-A'50-M'55-SM'57), Sect. Head,
 Electronic Scientist, Naval Research Lab., Washington 25,
 D.C.

- HOWARD, DOUGLAS V., JR. (S'50-A'55), System Integration Engr., RCA, Camden, N.J.
- gration Engr., RCA, Camden, N.J.
 HOWARD, EDWARD J. (A'28-M'40-SM'43), Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 HOWARD, EZRA C. (S'42-A'44-M'55), Cant., USN, Tech.
 Advisor to Dir., Naval Communications, Office of the Chief
 of Naval Operations (OP-30T), Navy Dept., Washington 25, D.C.
 HOWARD, FRANKLIN S. (M'58), Design Engr., Bell.
 Tel. Labs., Whippany, N.J.,
 HOWARD, FRED E., JR. (M'54), Staff Research Engr.,
 Tech. Plans, Air Proving Ground Center, Eglin AFB, Fla.
 HOWARD, GERALD L. (A'54), Purch. Agent, Triad
 Transformer Corp., 4055 Redwood, Venice, Calif.
 HOWARD, GERALD M. (A'41-SM'50), Engr-in-Cho., FCC.

- Transformer Corp., 4055 Redwood, Venice, Calif.
 HOWARD, GERALD M. (A'41-SM'50), Engr-in-Chg., FCC,
 708 Jackson St., Dallas 2, Tex.
 HOWARD, J. REED (S'55-M'56), Assoc. Engr., Motorola
 Research Lab., Phoenix, Ariz.
 HOWARD, JAMES E. (S'55-M'55), System Design Engr.,
 Chance Vought Aircraft, Inc., Box 5907, Dallas 22, Tex.
 HOWARD, JAMES R. (S'55-M'57), Elec. Design Engr.,
 Redstone Arsenal, Ala.
 HOWARD ISANNEW (A'56) Office May. Meeting.
- Redstone Arsenal, Ala.

 HOWARD, JEANNE W. (4'56), Office Mgr., Western Electronic Show & Convention, 1435 S. La Cienega Ave., Los Angeles 35, Calif.

 HOWARD, JOHN H. (SM'50), Mgr., Research & Dev. Div., Burroughs Research Center, Paoli, Pa.

 HOWARD, JOHN R. (M'56), Supvr., Environmental Lab., AC Spark Plug Div., 1925 E. Kenilworth Pl., Milwaukee, Wis.

- HOWARD, JOHN R. (S'53-M'56), Electronics Research Engr., Lockheed Missiles & Space Div., Holloman AFB, N.M. HOWARD, JOHN S., JR. (A'54), Field Engr., Internatl. Electric Com., Rte. 17 & Garden State Pkwy., Paramus, N.J.
- HOWARD, KENNETH M., JR. (S'55-M'57), Engr., Min-neapolis-Honeywell Regulator Co., Beltsville, Md. HOWARD, LAURENCE R. (A'43-M'51), Dir. of Engr., Radio Electronic TV Schools, 3730 Woodward Ave., Detroit 1, Mich.; Pres., R.E.T.S. of Ohio, Inc., Toledo, Ohio; Owner,
- Howard Engrg. Labs., 4300 12 St., Detroit, Mich.; Owner, Howard Electronic Labs., Flint 5, Mich. HOWARD, LELAND L. (4'48-M'57), Business Mgr., Radio Sta. HCJB, Talcottville, Com.

- HOWARD, LEWIS W. (A'28-SM'47), Pres., Triad Transforme-Corp., 4055 Redwood Ave., Venice, Callf.
 HOWARD, LORN L. (S'47-M'51), Instr., Michigan State
 Univ., Dent. of Elec. Engre, East Lansing, Mich.
 HOWARD, NORMAN S. (A'54), Chief Engr., WNABB, Bridgeport, Corm.
 HOWARD, PHILIP H. (S'53-A'55), Project Engr., Prod. Dev.
 Lab., IBM, Poughkeepsle, N.Y.
 HOWARD, RICHARD E. (A'55), Engre. Assoc., Colorado Research Corp., Broomfield, Colo.
 HOWARD, RICHARD E. (S'53-A'55), Electronics Test Supvr.,
 Communication Accessories Co., Lee's Summit, Mo.
 HOWARD, ROBERT C. (S'4B-A'54-SM'57), Dir., Systems
 Div. Dev. Engrey, GM. Giannini Co., 1902 W. Chestnut,
 Santa Ana, Callf.
 HOWARD, ROBERT W. (S'56-M'57), Lt., USAF, Air Weather
- Santa Ana, Calif.

 HOWARD, ROBERT W. (S'56-M'57), Lt., USAF, Air Weather
 Service. Home: 1595 E. 43 St., Brooklyn 34, N.Y.

 HOWARD, RONALD A. (S'54-M'59), Asst. Prof., Elec.

 Engra., MIT, Cambridge, Mass.

 HOWARD, ROY A., JR. (M'58), Mem. Tech. Staff, Ramo-Wooldidge Corn., 5300 El Segundo Blvd., Los Angeles 45, Calif.

 HOWARD, ROY D. (A'45), Engrg. Planner, No. Amer. Aviation,
 Downey, Calif.

- HOWARD, ROY D. (A'45), Engrg. Planner, No. Amer. Aviation, Downey, Calif.
 HOWARD, ROY F. (A'54-M'5B), Sr. Engr., ITT Labs., Nutley 10, N. J.
 HOWARD, ROY M. (A'54), Owner, Midwest Sales Co., 3219
 W. 117 St., Cleveland 11, Ohio.
 HOWARD, SHRLY L. (S'51-A'53-M'5B), Desion Engr., Giffillan Bros., Inc., 1815 Venice Blvd., Los Angeles, Calif. HOWARD, THOMAS B. (M'56), Electronics Engr., RCA, Moorestown, N. J.
 HOWARD, THOMAS E. (M'47), V.P. & Mng. Dir., Engrg. & Genl. Services, Jefferson Standard Broadcasting Co., (WBT-WBTW), 1 Jefferson Pl., Charlotte B, N. C.
 HOWARD, W. JACK (A'54), Project Engr., Radioplane Co., 8000 Woodley Ave., Van Nuys, Calif.
 HOWARD, WALKER G. (S'52-A'53-M'59), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N. C.
 HOWARD, WILLIAM A. (A'44-M'48-SM'53), Mgr., Tech. Operations WRCV-TV & WRCV, NBC, 1619 Walnut St., Philladelphia 3, Pa.
- Oberations wove-IV a wiret V, NBC, 1619 Waintut St., Philadelphia 3, Pa.

 HOWARD, WILLIAM A. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 HOWARD, WILLIAM R. (S'54-A'55), Sales Engr., Assembly Prods., Inc., 75 Wilson Mills Rd., Chesterland, Ohio.

 HOWDER, JAMES M. (S'57-M'59), Jr. Engr., IBM, Endicott, N.Y.

 HOWE, CARL E. (M'45), Chmn., Dept. of Physics, Oberlin College, Oberlin, Ohio.

 HOWE, CHARLES J. (S'5B-A'59), Instrument Technician, Ryan Aeronautical Co., San Diego, Calif.

 HOWE, CLARENCE K. (A'56), Prod. Engr., IBM, Kingston, N.Y.

 HOWE, DON R. (A'54), Electronics Engr., Farmsworth Electronics Co., 3702 E. Pontiac, Ft. Wayne, Ind.

 HOWE, DONALD H. (M'55), Test Engr., Convalr, San Diego 12, Calif.

 HOWE, DONALD W., JR. (M'48), Asst. Prof., Physics

- HOWE, DONALD W., JR. (M'48), Asst. Prof., Physics Dept., Worcester Polytechnic Institute, Worcester 2, Mass. HOWE, FRANK R. (M'55), Lecturer in Electronics & Elec. Engrg., North East Essex Technical College, Sheepen Rd., Colchester, Essex, England.
- HOWE, GEORGE E. (A'58), Servomechanism Specialist, Williamette Iron & Steel Co., 2800 N.W. Front, Portland 1, Ore.
- Williamette Iron & Steel Co., 2800 N.W. Front, Portland 1, Ore.

 HOWE, GEORGE W. O. (F'55), Emeritus Prof., Glasgow Univ., Glasgow, Scotland.

 HOWE, GUY A. (A'52), Electronics Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 HOWE, JEROME K. (M'53), Instr., DeVry Tech. Institute, 4141 W. Belmont Ave., Chicago 41, III.

 HOWE, JOHN C. (M'59), District Mgr., GE Co., LMED, 333 W. 1st. St., Dayton 2, Ohio.

 HOWE, JOHN W. (A'57), Service Engr., Westinghouse Elec. Corp., Air Amn Div., Box 746, Baltimore 3, Md.

 HOWE, LYMAN H. (M'56), Rte. 1, Big Flats, N.Y.

 HOWE, RICHARD B. (A'49), Sr. Field Engr., Bendix Radio Div., Baltimore 4, Md.

 HOWE, ROBERT M. (M'59), Aeronautical Engrg. Dept., Univ. of Michigan, Ann Arbor, Mich.

 HOWE, STANLEY E. (A'53), Sr. Dev. Engr., Sylvania Elec. Prods., Inc., Woburn, Mass.

 HOWE, WALTER F. (A'50-M'53), Sr. Engr., Raytheon Mg. Co., Oxnard, Calif.

 HOWE, WILLIAM P. (M'59), Supy. Electronics Engr., Navy Dept., Pentagon, Washington 16, D.C.

 HOWE, WILLIAM P. (M'59), Supy. Electronics Engr., Hars., Ground Electronics Engr., Installation Agency, Crififiss AFB, N.Y.

 HOWELL, ALVIN H. (A'41-SM'46), Head, Dept. of Elec. Engre., Turts Univ. Medford 55 Mase.

- Griffiss AFB, N.Y.

 HOWELL, ALVIN H. (A'41-SM'46), Head, Dept. of Elec. Engro. Tufts Univ., Medford 55, Mass.

 HOWELL, DAVID M. (M'58), Sr. Engr., Sylvania Elec. Prods., Inc., Bayside, L.I., N.Y.

 HOWELL, E. KEITH (M'53), Dev. Engr., GE Co., Hendersonville, N.C.

 HOWELL, FERCLE R., JR. (J'41-A'43), Mgr., Tel. Sales, Graybar Electric Co., 850 W. Jackson Bivd., Chicago, III.

 HOWELL, FRED S. (M'51-SM'53), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.
- Calif.
 HOWELL, HAROLD R. (S'50-A'51-M'56), Field Engr.,
 Hughes Aircraft Co., Culver City, Calif.
 HOWELL, JAMES E., JR. (A'54), Supry. Research Engr.,
 Aeronautical Instrumentation, ABMA, Redstone Arsenal, Ala.
 HOWELL, JOHN E. (S'55-M'56), Flight Test Engr.,
 Convair, San Diego, Calif.
 HOWELL, JOHN F. (M'56), Engr., X-Ray Dept., GE Co.,
 4B55 Electric Ave., Milwaukee, Wis.
 HOWELL, JOSEPH E. (A'50-M'53), Engr., Consulting
 Engr., Broadcast-Industrial-Medical, Folly Beach, S.C.
 HOWELL, JOSEPH E., JR. (S'57-M'58), 1301, Amplia
- HOWELL, JOSEPH E., JR. (S'57-M'58), 1301 Amelia Ave., Portsmouth, Va.
- Ave., Portsmouth, Va.
 HOWELL, JOSEPH S., JR. (A'53), Owner, Sales Engr.,
 Tex-O-Koma Sales Co., Box 747, Grand Prairie, Tex.
 HOWELL, MONROE (M'56), Engrg. Group Leader, Design
 Dev., RCA, Defense Electronics Prods., Bldg. 13-5,
 Camden, N.J.

- OWELL, REX G. (SM'57), Pres., Genl. Mgr., Western Slope Broadcasting Co., Inc., KREX AM-FM-RV, Black Canon Broadcasting Co., Inc., KREY-TV, Hillcrest Manor,

- Canon Broadcasting Co., Inc., KREY-TV, Hillcrest Manor Grand Junction, Colo., HOWELL, SABERT N. (A'53), Engr.-in-Chg., New Prods. Dept., Servo Corp. of America, 2020 Jericho Toke., New Hyde Park, L.I., NY.
 HOWELL, WALTER J. (A'14-M'23-SM'43)(L), Retired, 153 Harrison Ave., Jersey City 4, N.J.
 HOWELL, WALTER R., JR. (M'56), Electronics Project Engr., USAF, GEEIA Region, AMC, OCXBMENA, Tinker AFB, Okla. Engr., USA AFB. Okla
- AFB, UKIA.
 HOWELLS, FREDERICK W. (SM'58), Mgr., Military Prods.
 Div., The Singer Mfg. Co., 149 Broadway, New York 6, N.Y.
 HOWELLS, JOSEPH A. (S'56-A'59), Elec. Engr., RCA,
 Camden 8, N.J.
- Camden B, N.J.

 HOWELLS, PAUL W. (M'52-SM'57), Consultant, Advance Engro. Sect., HMEO, GE Co., Syracuse, N.Y.

 HOWELLS, WILLIAM B., JR. (A'56-M'58), Supvr., Quality Control Engro., Sell Aircraft Coro., Box 1. Buffalo 5, N.Y.

 HOWER, MEADE M. (A'53-M'59), Chief Mfg. Engr., Semiconductor Div., Tung-Sol Flectric, Inc., 545 N. Arlington Ave., East Orange, N.J.

 HOWER, PAUL A. (M'46), Chief, Tactics & Planning Div., Operations Analysis, Hgrs., Strategic Air Command, Offutt AFB, Neb.

 HOWERTON, OFLEBERT J. (M'59), 1049 A St., Portsmouth,
- HOWERTON, OELBERT J. (M'59), 1049 A St., Portsmouth,
- HOWERY, RICHARO W. (A'50-M'55), Mgr., Receiver Unit, RCA, Moorestown, N.J.

 HOWES, BRADFORO S. (S'55-M'58), Engr., Ounn Engrg. Associates, Inc., 225 O'Brien Hwy., Cambridge, Mass. HOWES, CHARLES N. (M'58), Design Engr., Electronics Div., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada. HOWES, OUGLAS E. (A'27-M'55), Worcester Polytechnic Institute, Worcester 9, Mass. HOWES, DOUGLAS E. (A'26-VA'39-M'55), Consulting Engr., 1590 Linda Vista Ave., Pasadena, Calif. HOWES, FREDERICK S. (A'37-SM'43-F'50), Prof., Elec. Engrg. & Oir. of Univ. Ex., McGill Univ., Montreal, P.Q., Canada.

- TechRep. & Govt-Industrial Div., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
- OWES, ROYAL E. (S'48-A'50-M'56), Tech. Supvr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.
- HOWITT, GEORGE (S'48-A'49-M'55), Asst. Mgr., Communication & Radar Labs., Allen B. DuMont Labs., 35 Market St., East Paterson, N.J.
- NOWLANO, I. REIO (A'53-SM'57), Mgr., Advanced Radar & Sonar Engrg., GE Co., Advanced Electronics Center, Ithaca, N.Y.
- HOWLAND, ROBERT L. (A'55), Radar Engr., RCA Service Co., Inc., Tucson Facility, 4373 E. Speedway, Tucson, Ariz.
- Ariz.

 HOWLAND, ROBERT S. (M'58), Engr., The Pacific Telephone & Telegraph Co., 760 Market St., San Francisco 2, Calif. HOWLAND, ROBERT W. (A'55), Electronics Engr., Convair, Pomora, Calif.

 HOWSE, HENRY A. G. (A'25-M'28-SM'43), Mfg. Supt., Radio Systems Div., Standard Telephones & Cables, Ltd., New Southpate, London, England.

 HOWSON, JOHN C. (A'55), Sr. Planning Rep., IBM, 590 Madison Ave., New York, N.Y.

 HOWSON, LOUIS (M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 HOXIF. I. RICHMOND. JR. (A'45), Sr. Engr., Sperry Gyro-

- Murray Hill, N.J.

 HOXIE, I. RICHMOND, JR. (A'45), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HOY, EUGENE C. (S'52-M'56), Mem. Tech. Staff, Space Technology Labs., 5500 EI Segundo Blvd., Los Angeles 45, Calif.
- HOYES, VINCENT V. (M'56), Maint. Engr., Internati. Aeradio, Ltd., Palisadoes Airport, Kingston, Jamaica,
- Aeradio B.W.I.

- Aeradio, Ltd., Palisadoes Airport, Kingston, Jamaica, B.W.I.

 HOYLE, WARREN E. (M'57), Electronics Engr., RCA, Camden, N.J.

 HOYLER, CYRIL N. (A'35-SM'45), Mgr., Tech. Relations, RCA Labs Div., Princeton, N.J.

 HOYLER, CREST T. (A'54), Electronics Technician, Navaids Sect., FAA, Federal Bidg., Internat! Airport, Jamaica, L.I., N.Y.

 HOYLES, HERBERT A. (A'51-M'57), Field Prod. Mgr., Canadian Westinghouse Elec. Co., Ltd., 1418 Marine Bidg., Vancouver, B.C., Canada.

 HOYNS, GEORGE W., JR. (A'55), Supvr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 HOYT, EUYDE W. (SM'55), Unit Mgr., TV Receiver Oesign, RCA, Camden B, N.J.

 HOYT, EUGENE P. (A'55), Electronics Research Engr., Magnavox Labs., 255 S. Carmelina. Los Anoeles. Calif.

 HOYT, MERLIN W. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 HOYT, WILLIAM A. (A'48-M'55), Engr., Gates Radio Co., Quincy, III.

 HOYT, WILLIAM F. (M'58), Dev. Engr., Western Electric Co., Wilkinspan M.

- Quincy, III.

 HOYT, WILLIAM F. (M'58), Dev. Engr., Western Electric
 Co., Whippany, N. J.

 HRBEK, GEORGE W. (A'53-M'58), Research Engr., Zenith
 Radio Corp., 6001 W. Dickens, Chicago 39, III.

 HRICKO, ROBERT M. (A'55), Electronics Engr., Tobyhanna
 Signal Depot, Tobyhanna, Pa.

 HROCH VON DALEBOR, HENRY J. (M'57), Research Engr.,
 Heiland Oiv., Minneapolis-Honeywell Regulator Co., 5200
 E. Evans, Derver 22, Colo.
- E. Evans, Denver 22, Colo.

 ROMADA, JOSEPH C. (J'27-A'37-SM'46), Test Engr.,
 Hazeltine Technical Development Center, Inc., Weir-Cook
 Municipal Airport, Box 41067, Indianapolis 41, Ind.

 HRONEK, JEROME W. (M'59), Electronics Engr., Motorola,
 Inc., 8201 E. McDowell, Phoenix, Ariz.
 HRONEK, FOBERT L. (S'48-A'50-SM'55), Sr. Engr.,
 Speny Gyroscope Co., Great Neck, L.I., NY.
 HRUBY, RONALO J. (M'56), Sr. Engr., NORAIR, Northrop
 Aircraft, Inc., Hawthome, Calif.
 HRUSOVSKY, STEVEN (A'58), Consulting, Oesigning, Mfg.
 Engr., Steven Hrusovsky Engrg., 1436 Leslie St., Hillside
 5, N.J.

- Engr., S 5, N.J.
- HRYBYK, WILLIAM L. (S'45-A'51-M'58), Engr., Westing-house Elec. Corp., Box 746, Baltimore 3, Md.

- HRYHORIJIW, WOLODYMYR (S'54-M'55), Equipment Engr., Northern Electric Co., Ltd., 1261 Shearer St., Montreal, P.Q., Canada. HSIEH, THOMAS T. H. (A'54), Engr., Mid-Century Instrumatic, Inc., 611 Broadway, New York 12, N.Y. HSU, CHIH-CHI (A'53-M'59), Project Engr., Bendix Radio Div., Towson 4, Md.
- DIV., 10wson 4, Mo.
 HSU, HSIUNG (S'46-A'51-M'56), Engr., Electronics Lab.,
 GE Co., Syracuse, N.Y.
 HSU, JEN (S'56-M'59), Sr. Electronics Research Engr.,
 Eitel McCullough Co., San Bruno, Calif.
 HSUEH, CHIA YING (S'51-A'53-M'58), Engr., RCA, Camden,
- N.J.
 HU, ANN YUNG (S'56-M'58), Assoc. Research Engr.,
 Boeing Airplane Co., Seattle 88, Wash.
 HU, MING-KUE1 (S'48-A'52-SM'56), Sr. Research Engr.,
 Elec. Engr., Dept., Syracuse Univ., Syracuse 10, N.Y.
 HU, WARREN (A'58), Assoc. Engr., Boeing Airplane Co.,
 Seattle, Wash.
- Seattle, Wash.
 HU, YUEH-YING S. (S'48-A'52-SM'56), Assoc. Prof.,
 Elec. Engry. Dept., Syracuse Univ., Syracuse 10, N.Y.
 HUANG, CHANG (S'48-A'53-SM'57), Engrg. Mgr., Sylvania
 Elec. Prods., Inc., Woburn, Mass.
 HUANG, GEORGE T. C. (A'46), G.P.O. Box 1239, Bombay,

- India:
 HUANG, HENRY (A'52-M'58), Group Leader, Applications
 Oept., Tung-Sol Electric, Inc., 200 Bloomfield Ave.,
 Bloomfield, N.J.
 HUBBARD, ARTHUR L. (SM'57), Santa Cruz Test Base Mgr.,
 Lockheed Missile Systems Div., Sunnyvale, Calif.
 HUBBARD, BEVERLY R. (J'21-A'24-VA'39-M'55), Mgr.,
 Power Cable Olv., Triangle Conduit & Cable Co., Triangle
 & Jersey Ave., New Brunswick, N.J.
 HUBBARD, BURNETTE L. (A'31-VA'39-M'55), Engr.,
 Home Appliance Div., Philos Corp., C & Tioga Sts.,
 Philadelphia 34, Pa.
 HUBBARD, CHARLES L. (A'49-M'49), Research Geophysi-
- PrintageIphia 34, Pa.
 HUBBARD, CHARLES L. (A'49-M'49), Research Geophysicist, Humble Oil & Refining Co., Box 2180, Houston, Tex.
 HUBBARD, EDWIN S. (M'57), Consultant, Management
 Development Associates, 485 Lexington Ave., New York
 17, N.Y.
- 1/, N.Y.

 HUBBARD, JAY J. (A'52), Service Man, Kanell TV, 705 S.

 2nd, W., Salt Lake City, Utah.

 HUBBARD, JOSEPH W. (S'52-A'54-M'59), Missile Program Engr., Space Technology Lab., 5740 Arbor Vitae,
 Los Angeles 45, Calif.

- Los Angeles 45, Calif.

 HUBBARD, MALCOLM M. (SM'46), Pres., Hycon Eastern,
 Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.

 HUBBARD, MERLE R. (M'45-SM'55), Dev. Engr., Collins
 Radio Co., Cedar Rapids, Iowa.

 HUBBARD, RICHARD G., JR. (S'49-A'50-M'57), Designer,
 Electronics Dept., Hamilton Standard Div., United Aircraft
 Corp., Broad Brook, Conn.
- HUBBARD, ROBERT W. (A'52-M'57), Electronics Scientist, U.S. Dept. of Commerce, Natl. Bureau of Standards, Boulder, Colo.
- LUBBARD, WYMAN B. (A'41), Field Service Engr., Fams-worth Television & Radio Corp., Ft. Wayne, Ind. HUBBELL, BOOTH (M'53), Assoc. Dir. of Training, RCA Institutes, Inc., 350 W. 4 St., New York 14, N.Y. HUBBELL, PAUL G. (S'56-M'56), Engr., RCA, Moorestown,

- N.J.
 HUBENSCHMIDT, WILLIAM E. (S'49-A'50), Sr. Dev.
 Engr., Avionics Div., Universal Match Corp., 4407
 Cook Ave., St. Louis 13, Mo.
 HUBER, CHARLES E. (A'54-M'54), Assoc. Engr., Johns
 Hopkins Univ., Silver Spring, Md.
 HUBER, CHARLES W. (A'32-VA'39), Service Mgr., Ken
 Radio & Television Service, 490 LeRoy Ave., Buffalo
 15, N.Y.
- HUBER, GEORGE H. (SM'44), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. HUBER, JOSEPH C., JR. (S'55-M'58), 756 W. Market St., Akron 3, Ohio.

- HUBER, JOSEPH C., JR. (S'55-M'58), 756 W. Market St., Akron 3, Ohio.
 HUBER, LOUIS J. (S'55-M'57), Engr., The W. L. Maxson Co., 460 W. 34 St., New York, N.Y.
 HUBER, PAUL (A'37-M'55), Mgr., Mercury Powertrain Dept., Ford Motor Co., Dearborn, Mich.
 HUBER, PAUL K. (A'37-M'55), Mgr., Mercury Powertrain Dept., Ford Motor Co., Dearborn, Mich.
 HUBER, PAUL K. (A'53), Dir., of Physical Institute of the Univ., Klingelbergstrasse 82, Basel, Switzerland.
 HUBER, KICHARD H. (A'51-M'56), Mgr., Liston Services, Warwick Mfg. Corp., 7300 N. Lehigh, Chicago, Ill.
 HUBER, STANLEY J. (S'55-M'57), Instr., Elec. Engrg. Dept., Oregon State College, Corvallis, Ore.
 HUBER, WILBUR (SM'57), Field Engr., Philod TechRep.
 Div., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 HUBER, WILLIAM A. (A'44-M'46-SM'51), Research & Dev. Electronics Engr., U. S. Army Signal Research & Development Lab., Comm. Dept., MPT, Ft. Mommouth, N.J.
 HUBER, WILLIAM J. (M'57), Supt., Reliability & Quality Assurance, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 HUBIAK, DAVID D. (S'55-M'56), 1617 W. Culver, Phoenix, Arlz.

- Ariz.
 HUCABY, RALPH L. (M'54), Chief Engr., WLAC-TV,
 159 4 Ave., N., Nashville 3, Tenn.
 HUCK, LAWRENCE A. (S'58-A'59), Customer Engr.,
 Industrial Nucleonics, 1205 Chesapeake Ave., Columbus
 22, Ohio.
- HUCK, WILLIAM J., JR. (S'53-M'59), Elec. Engr., Melpar, Inc., 3000 Arlington Blyd., Falls Church, Va.
- HUCKABY, JAMES H. (A'48-SM'54), Electronics Scientist, USAF, Wright Air Development Center, Wright-Patterson AFB, O'tio.
- AFB, Ohio.

 HUCKABY, JOHN R. (M'57), Field Engr., Philco Corp.,
 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 HUCKE, HERBERT M. (A'31-SM'46), AMQ-15 Project,
 Resident Mgr., Wright-Patterson AFB, Systems Div.,
 Bendix Aviation Corp., Ann Arbor, Mich.
- HUCKEL, OLIVER W., JR. (S'57-A'58), 35 Glen Avon Dr., Riverside, Conn.
- Riverside, Conn.

 HUCKINS, CHARLES E. (M'57), Asst. Project Engr.,
 Bendix Radio Div., Towson 4, Md.

 HUCKLE, DONALD R. (S'49-A'51-M'56), Electronic
 Scientist, USN Electronics Lab., San Diego, Calif.

 HUCKO, HENRY (S'52-M'55), Elec. Design Engr., GE
 Co., 100 Woodlawn Ave., Pittsfield, Mass.

 HUDACK, JOHN M. (A'29-SM'45), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.

 HUDDLESTON, JACK C. (M'56), Electronics Engr., USAF,
 March AFB, Riverside, Calif.

- HUDDLESTON, RICHARDS R. (S'58-M'58), 118 Prospect Ave., Long Beach 3, Calif. HUDEK, VERNON R. (S'42-A'43-M'46-SM'55), Asst. Dir., Engrg., Div. "A", Collins Radio Co., Cedar Rapids, lowa.
- IOWA.
 HUDELSON, ROBERT L. (\$'55-M'56), Assoc. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 HUDGENS, JOHN E. D. (M'56), Sales Mgr., Sidewinder
 Project, GE Co., Utica, N.Y.
- HUDGINGS, DANIEL W. (SM'56), Sr. Project Mem. Tech. Staff, RCA Defense Electronic Prods., 2720 E. Broadway, Tucson, Ariz.
- Tucson, Ariz.
 HUDGINS, JOHN I., JR. (S'55-M'56), Project Engr.,
 Bendix Aviation Corp., Taylor Ave., Baltimore 4, Md.
 HUDGINS, WILLIAM D. (A'43-M'46-SM'46), Commanding
 Officer & Dir., USN Shipbuilding Scheduling Activity, U.S.
 Naval Base, Philadelphia, Pa.

- Officer & Dir., USN Shipbuilding Scheduling Activity, U.S. Naval Base, Philadelphia, Pa.
 HUDGINS, WILLIAM T., JR. (A'52-M'57), Communication Engr., Gulf Refining Co., Orawer 2100, Houston, Tex. HUDNALL, JAMES U. (A'56), Hudoc Sound Systems, 629 Lexington Ave., Terrace Park, Ohio.
 HUDDCK, EDWARD (S'52-A'53-SM'57), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 HUDSON, ALEXANDER E. (A'43-M'55), Installation Supvr., GE Co., Cleveland 4, Ohio.
 HUDSON, ARTHUR C. (M'53), Assoc. Research Officer, Natl. Research Council, Ottawa, Ont., Canada.
 HUDSON, BILLY J. (S'56-A'57), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 HUDSON, CLARENCE A. J. (A'58), TeckRep Field Engr., Philoc Corp., TechRep. Div., San Francisco, Calif.
 HUDSON, CLAUDE A. (M'56), Elec. Engr., Bendix Avlation Corp., 11600 Sherman Way, North Hollywood, Calif.
 HUDSON, OONALD M. (M'58), Chief Engr., Electronics Div., Rittenhouse Co., East St., Honeoye Falls, N.Y.
 HUDSON, GERALD W. (M'56), L. Col., U. S. Army, Signal Officer, U. S. Army Signal Corps, Military Assistance Advisory Group—Germany, Box 810, APO 80, New York, N.Y.
- New York , N. Y.
 HUDSON, HAROLO K. (SM¹53), Electronics Warfare Prod.
 Sales Mgr., Raytheon Mfg. Co., 1089 Washington St.,
 Wast Newton, Mass.

- Wast Newton, Mass.

 HUDSON, KENNETH (M'56), Sect. Mgr., Raytheon Mfg.
 Co., Waltham, Mass.

 HUDSON, LARRY B. (S'56-M'58), Electronics Engr., Natl.
 Security Agency, Ft. Meade, Md.

 HUDSON, PAUL A. (M'57), Physicist, Radio, Natl. Bureau
 of Standards, Boulder, Colo.

 HUDSON, PAUL K. (A'41-M'46-SM'54), Asst. Prof.,
 Elec. Engrg., University of Hillinois, Urbana, III.
 HUDSON, ROBERT S. (A'54), Project Engr., Diamond
 Power Specialty Corp., E. Main Pike, Lancaster, Ohio.
- HUDSON, ROD (S'52-A'53), Sr. Lab. Technician, Electronic Systems Development Corp., 1484 E. Main St., Ventura, Calif.
- Systems Development Corp., 1484 E. Main St., Ventura, Calif.

 HUDSON, THEODORE B., JR. (A'56), Commodity Specialist (Electronics), Electronic Supply Office, Great Lakes, Ill.

 HUDSPETH, THOMAS (A'51-M'58), Hughes Aircraft Co., Culver City, Calif.

 HUEBLER, MYRON A. (M'57), Prod. Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.

 HUEBNER, DANIEL L. (M'46), Engr., Psychologist, U. S. Army Signal Engrg. Lab., Ft. Monmouth, N.J.

 HUEBNER, HERBERT (S'47-A'48-M'55-SM'57), Supvy. Engr., Hazeltine Electronics Corp., 59-25 Little Neck Pkwy., Little Neck, L.I., N.Y.

 HUERTA, ANTONIO F. (A'47-M'55), Prof. & Head, Elec. Dept., Universidad de los Andes, Merida, Venezuela.

 HUETTEN, CLARENCE (SM'56), Dir., Corporate Elec. Lab., P. R. Mallory & Co., Inc., 3029 E. Washington St., Indianapolis 6, Ind.

 HUETTE, KENNETH W. (A'59), Owner, Ken's Electronics,

- St., indianapolis 6, ind.

 HUETTL, KENNETH W. (A'59), Owner, Ken's Electronics,

 93 Prospect Ave., Irvington, N.J.

 HUETTNER, OSCAR A. (M'51), Sr. Project Engr., ITT

 Labs., Nutley 10, N.J.

 HUFF, JOHN F., JR. (M'56), Sales Engr., Lear, inc., 110

 lonia Ave., N.W., Grand Rapids, Mich.

 HUFF, MAHLON S. (S'55-M'57), Shops Group Officer,

 Overhaul & Repair Dept., Naval Air Sta., Quonset Point,

 R.I.
- HUFF, WILLIAM A. (M'58), Project Engr., Research & Dev. Div., Army Rocket & Guided Missile Agency, Redstone Arsenal, Ala.
- stone Arsenal, Ala.

 HUFFMAN, CHARLES H. (A'52-M'57), Sales Engr., Texas
 Instruments, Inc., 3609 Buffalo Speedway, Houston 6, Tex.

 HUFFMAN, DAVIO A. (S'44-A'47-M'55), Assoc. Prof.,

 MIT, Cambridge, Mass.

 HUFFMAN, ONALO L. (A'53-SM'57), Engrg. Specialist,

 Goodyear Aircraft Corp., 1210 Massilion Rd., Akron 15,

 Ohlo.

- Unio. HUFFMAN, GLEN A. (S'56-M'58), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif. HUFFMAN, HENRY R., JR. (A'58), Instr., Air Training Command, Scott AFB, III.

- HUFFMAN, HENRY R., J.R. (4'58), Instr., Air Training Command, Scott AFB, III.

 HUFFMAN, JOHN C. (A'50), Engr., Western Electric Co., 3300 Lexington Rd., Winston-Salem, N.C.

 HUFFORD, GEORGE (S'45-4'48-M'55), Asst. Prof., Univ. of Washington, Seattle 5, Wash.

 HUFFORD, MARION R. (S'57-M'59), Assoc. Engr. 8.

 Boeing Airplane Co., Seattle 24, Wash.

 HUFFSTETLER, JAMES P. (S'56-M'57), Instr., Electronics & Communications, North Carollina State College Extension, Gaston Tech. institute,510 W. Airline St., Gastonia, N.C.

 HUFNAGLE, HAROLD H. (M'57), Project Engr., Electronics, Instrumentation Cev. Lab., APGC, Egilin AFB, Fla.

 HUFTON, CHARLES O. (A'52), Production Test Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass. HUGE, HENRY M. (A'43-M'55), V.P., Lorain Prods. Corp., 1122 F St., Lorain, Ohio.

 HUGEHNOLTZ, EDUARO H. (SM'54), Project Engr., Special Development, Canadian Radio Mfg. Corp., 11-19 Brent-cilife Rd., Leaside, Ont., Canada.

 HUGET, WARNER J. (A'55), Asst. Officer In Chg., Communications, Royal Canadian Mounted Police, Ottawa, Ont., Canada.

- HUGGAN, ARTHUR J. (\$'56-M'59), 97 Goodenough St., Brighton 35, Mass.

- HUGGIN, FDRREST E. (SM'59), 3528 Liggett Dr., San Diego 6, Calif.
 HUGGINS, LARRY L. (A'52-M'55), Research Engr., Defense Research Labs., Box 8029, Univ. Sta., Austin, Tex. HUGGINS, R. A. (A'43-SM'53), Pres. & Genl. Mgr., Huggins Labs., Inc., 999 E. Arques, Sunnyvale, Calif. HUGGINS, WILLARD G. (A'52-M'57), Instr., West Coast Univ., 3066 W. 7 St., Los Angeles, Calif. HUGGINS, WILLIAM H. (S'39-A'44-SM'55-F'57), Prof., Elec. Engrg., The Johns Hopkins Univ., BaltImore 18, MILLIAM H. (S'19-A'44-SM'55-F'57)

- Elec. Engrg., The Johns Hopkins Univ., Baltimore 18, Md.

 HUGGLER, LUTHER R. (A'46-M'55), Transmission Engr., Basic Planning. The Bell Tel. Co. of Pennsylvania, 201
 Stanwix St., Pittsburgh 22, Pa.

 HUGHES, A. MORRIS (A'54), V.P., Second Bank, State St. Trust Co., 111 Franklin St., Boston, Mass.

 HUGHES, ARTHUR D. (S'48-A'50-M'57), Project Engr., National Co., 61 Sherman St., Malden, Mass.

 HUGHES, BEN F. (A'47-M'49), Chief Engr., Radio Sta. KTRM, Box 152, Beaumont, Tex.

 HUGHES, BRAIN (M'58), Engr., Dept. of Natl. Defence, Ditawa, Dnt., Canada.

 HUGHES, CHARLES J. (M'58), Class "A" Elec. Engr., RCA, Camden, N. J.

 HUGHES, DONALD D. (A'53), Electronics Engr., NCEL, Port Hueneme, Calif.

 HUGHES, EDWARD (S'58-A'59), Test Technician, Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 HUGHES, EDWARD A. (SM'57), Dir., Contracts, Dynatronics, Inc., 717 W. Amelia Ave., Orlando, Fla.

 HUGHES, EDWAND A. (S'47-A'50-M'56), Engr., System Development Corp., 2500 Colorado St., Santa Monica, Calif.
- HUGHES, ELDON S. (S'50-A'52), Electronics Engr., Martin Co., Box 179, Denver 1, Colo.
- HUGHES, FRANK (M'53), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5730 Arbor Vitae St., Los Angeles 45, Calif.
- 45, Calif.
 HUGHES, FRANK J. (S'42-A'47-SM'54), Head, Pilot Organization Microwave Tube Lab., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.
 HUGHES, GEORGE R. (M'57), Owner, Mid-Pacific Recording Service, Box 1115, Lanikai, Hawaii.
 HUGHES, GEORGE W. (S'48-A'52-M'57), Instr., MIT, Cambridge 39, Mass.
 HUGHES, GERALD E. (S'52-A'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Airport Sta., Los Angeles 45, Calif.

- Calif.
 HUGHES, HAROLD K. (A'36-M'46), The Markite Corp.,
 155 Waverly Pl., New York 14, N.Y.
 HUGHES, HARRY H. (M'58), Project Engr., Philco Corp.,
 3875 Fabian Way, Palo Alto, Calif.
 HUGHES, HARTWELL M. (A'44-M'52), Instr., TV Broadcasting, Nati. Schools, 4000 S. Figueroa St., Los
 Angeles 37, Calif.
 HUGHES, JAMES G. (S'48-A'50-M'55), Engr., Airbome
 Instrument Lab., Mineola, L.I., N.Y.
 HUGHES, JAMES W. (A'59), ASSt. Editor, Horizon House,
 Inc., 160 Warren St., Boston, Mass.
 HUGHES, JOHN B. (S'48-A'51-M'56), Head, EDP Operations, Procter & Gamble Co., 6 & Sycamore Sts., Cincinnati,
 Ohio.

- Ohio.

 HUGHES, JOSEPH M. (A'51-M'56), Sr. Engr., Philco Corp., 3875 Fabian Way, Paio Alto, Calif.

 HUGHES, KENNETH E. (A'45-M'55), Owner, Kenneth E. Hughes Co., 4808 Berenline Ave., Union City, N. J.

 HUGHES, LEO T. (A'55), Research Engr., Lockheed Missiles & Snace Div., Box 504, Sunnyvale, Calif.

 HUGHES, LEO T. (S'49-A'51-M'56), Electronics Engr., Smyth Research Associates, 3555 Aero Ct., San Diego 11, Calif.

- Cair.
 HUGHES, LOUIS E. (S'52-A'54), Engr., Collins Radio
 Co., 1937 Irving Blvd., Dallas, Tex.
 HUGHES, MARTHALL W. (M'57), Assoc. Engr., IBM,
 Poughkeepsie, N.Y.
 HUGHES, MATTHEW J. (M'52), Exec. Sales Engr., Electronic Prods. Sales, Sylvania Electric Prods., Inc., 1000
 Huyler St., Teterboro, N.J.
- HUGHES, RAYMOND (A'58), Co. Dir., Gumey-Hughes, Ltd., 33 W. Hill, Wandsworth, London S.W. 18, England. HUGHES, RICHARD M. (A'51), Supvy. Electronics Equipment Specialist, Bureau of Aeronautics Industrial Reserve Office, Naval Air Material Center, Philadelphia 12, Pa. HUGHES, ROBERT M. (A'55-SM'57), Dev. Engr., GE Co., Owensboro, Ky.

- Owensboro, Ky.

 HUGHES, ROBERT W. (M'49-SM'52), V.P., Engr., Internat. Electric Corp., Paramus, N.J.

 HUGHES, ROBALD M. (S'56-M'57), Communications Officer, USAF, Selfridge AFB, Mich.

 HUGHES, ROSALE L. (A'58), Secy., Research Div., Cohu Electronics, 14743 Lull St., Van Nuys, Calif.

 HUGHES, ROSS A. (S'55-M'56), Communications Project Engr., Space Technology Labs., Inc., 5730 Arbor Vitae St., Los Angeles 45, Calif.

 HUGHES, ROY A. (S'57-M'59), Electronic Engr., U.S. Army Signal Research and Development Labs., Ft. Monmouth, N.J.
- N.J.

 HUGHES, THOMAS A. (A'54-M'58), Dev. Engr., Tung-Sol Electric, Inc., 545 N. Arlington Ave., East Orange, N.J.

- N.J.

 HUGHES, THOMAS R. (S'57-M'59), Westinghouse Electric Corp., Gateway Center, Pittsburgh, Pa.

 HUGHES, VICTOR C. (S'57-M'58), Research Engr., Boeing Airplane Co., Seattle, Wash.

 HUGHES, WAYNE E. (M'56), Physicist, Westinghouse Elec. Corp., Box 746, Baltimore, Md.

 HUGHES, WALLARD A. (A'47-M'50-SM'54), Chief Engr., Kearfott Co., Inc., 14844 Oxnard, Van Nuys, Calif.

 HUGHES, WILLIAM L. (S'48-A'50-M'55), Assoc. Prof., Elec. Engr., Dext., Iowa State College, Ames, Iowa.

 HUGHES, WILLIAM K. (A'43-SM'49), Mem. Tech. Staff, Space Electronic Corp., 930 Airway, Glendale, Calif.

 HUGHEY, A. HALL (A'54), 6286 Vine Way, Hollywood 28, Calif.
- Calif.

 HUHNDORFF, ERVIN P. (M'52), Operation Mgr., KPRC-TV,
 The Houston Post Co., Box 1234, Houston, Tex.

 HUIE, DAVID L. (S'55-M'57), Jr. Engr., Philoc Corp.,
 4700 Wissahickon Ave., Philadelphia 44, Pa.

 HUIE, JOSEPH A. (A'53-M'55), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- HUIE, WILLIAM (M'56), Engr., Designer, Boeing Airplane Co., Pilotiess Aircraft Div., Box 3925, Seattle 24, Wash. HUISJEN, ADRIAN J. (M'57), Instr., DeVry Tech. Institute, 4141 Belmont Ave., Chicago, III.
 HUJAR, RICHARD L. (S'53-M'54), Jr., Dev., Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
 HUITEMA, RICHARD L. (S'58-M'59), Asst. Engr., Illinois Bell Tel. Co., 208 W. Washington Blvd., Chicago 6, III.
 HULBERT, STEPHENG (S'47-A'49-M'55), Electronics Engr., Navy Electronics Lab., San Diego, 52, Calif.
 HULBURT, HARRIS J., JR. (S'54-M'55), Field Engr., Datamatic, Minneapolis-Honeywell Regulator Co., 151
 Needham St., Newton Highlands, Mass.
 HULCE, RICHARD L. (S'48-M'56), Project Engr., Bendix Aviation Corp., Towson 4, Md.
 HULET, JAMES F. (S'53-A'54), Dev. Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.
 HULET, HENRY R. (A'52), Dir., Instrumentation Dev., Advanced Technology Lab., American Standard, 369
 Whisman Rd., Mountain View, Calif.
 HULFISH, WILLIAM S. (S'55-M'59), Elec. Engr., Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.
 HULICK, HARLES E. (M'57), Capt., Signal Corps, Exec. Officer, U.S. Army Signal Aviation Test & Support Activity, Ft. Rucker, Ala.

- HULL, ROGER S. (A'45-SM'52), Head, Electro-Mechanical Lab., Natl. Cash Register Co., S. Main & K Sts., Dayton 9, Ohio.

- Leo., Nati. Cash Register Co., S. Main & R. Sts., Dayton 9, Ohlo.

 HULL, STUART E. (S'50-A'52), Dept. Mgr., Industrial Engra., IBM, Don Mills Rd., Toronto, Ont., Canada.

 HULLAND, BURTON L. (S'54-M'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HULLETT, VERNON T. (A'58), Tech. Specialist, IBM, 23 & N., Galveston, Tex.

 HULME, FREDERICK H. (M'45), Proprietor, Radio & Television Service, Georde St., Rugby, England.

 HULME, JACK R. (S'49-A'50-M'56), Engr., Halliburton Oil Well Cementing Co., Duncan, Okla.

 HULME, WALTER P. (S'49-A'50-M'58), Engr., W.JW-TV, Storer Broadcasting Co., 1630 Euclid Ave., Cleveland, Ohlio.

 HULS E. BRUCF T. ...IR. (A'48-M'49), Research Engr.
- Storer Broadcasting Co., 1630 Euclid Ave., Cleveland, Oliio.

 HULSE, BRUCE T., JR. (A'48-M'49), Research Engr., Boeing Airplane Co., Transport Div., Renton, Wash.

 HULSE, RONALD W. (M'57), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 HULSE, WILLIAM H. (M'58), Asst. Mgr., Military Electronic Systems Dept., Westinghouse Elec. Corp., 1625 K St., N.W., Washington, D.C.

 HULST, GEORGE D. (A'41-M'45-SM'54), Sr. Project Engr., Federal Telecommunication Labs., Nutley 10, N.J.

 HULSTRAND, BERT E. (S'50-A'52-M'58), Advanced Research Engr., Crosley Div., Avco Mfg. Corp., 2630 Glendale-Milford Rd., Cincinnati 15, Ohio.

 HULTBERG, CARL A. (M'34-SM'43), Avionics Group Leader, Bell Aircraft Corp., North Tonawarda, N.Y.

 HULTBERG, DONALD E. (M'55), Project Engr., Telemetering Corp. of America, 8345 Hayvenhurst Ave., Sepulveda, Calif.

- HULTBERG, RICHARD M. (S'49-A'51-M'57), Mgr., Electronic Engrg. Dept., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, III.

- tronic Engrg. Dept., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, III.

 HULTEEN, CHARLES K. (A'47), Branch Mgr., RCA Service Co., Inc., 1207 S. Broad St., New Orleans 25, La.

 HULTMARK, ROBERT S. (A'57-M'59), Sales Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 HULTOUIST, J. A. (M'45), Patent Atty., Sylvania Elec. Prods., Inc., 1740 Broadway, New York 19, N.Y.

 HULTZMAN, WILLIAM W. (M'58), Research Instrument Design Engr., Natl. Aeronautics & Space Administration, 21000 Brook park Rd., Cleveland 35, Ohio.

 HUMBEL, BERNARD F. (M'59), Elec. Engr., U. S. Army Signal Research & Development Lab., Ft. Momouth, N.J.

 HUMBEL, BERNARD F. (M'59), Advisory Engr., Canadian Westinghouse Co., Ltd., Box 510, Hamilton, Ont., Canada.

 HUMBLE, CHARLES W., JR. (A'59), Tech. Training Writer/Advisor, Federal Electric Corp., Paramus, N.J.

 HUMBEL, RALPH S. (A'55), Mgr., Humble Mfg. Co., Ltd., 1695 W. 2nd Ave., Vancouver 9, B.C., Canada.

 HUME, LAFRED S. (SM'52), Lab. Mgr., Semiconductor Prods. Div., Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Ariz.

 HUME, CYRIL R. (A'56), Sr., Trials Engr., DeHavilland Propollers I.d. Haffolf Mers. Evoland

- Procentx, Ariz.
 HUME, CYRIL R. (A'56), Sr. Trials Engr., DeHavilland
 Propellers, Ltd., Hatfield, Herts., England.
 HUME, PETER D. (M'54), Sr. Engr., Westinghouse Elec.
 Corp., 8ox 746, Saltimore 3, Md.
 HUMENIUK, PETER (SM'52), Mgr., Radio & TV Operation,
 Canadian Genl. Elec. Co., Ltd., 830 Lansdowne Ave.,
 Toronto 4, Ont., Canada.
- HUMERICK, STEINER M. (M'58), Transistor Applications Engr., Semiconductor Div., RCA, Rte. 202, Somerville, N.J.
- N.J. HUMES, RICHARD M. (A'55), Jr. Scientist, Bettis Atomic Power Div., Westinghouse Elec. Corp., Box 4168, Pittsburgh 30, Pa.

- HUMFELD, JAMES B. (A'55-SM'58), Research Scientist, Lockheed Aircraft, 1122 Jagells Rd., Surnyvale, Calif. HUMISTON, HOMER A. (A'47-SM'51), Advisory Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md.
 HUMKE, FREDERICK O., JR. (M'57), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
- HUMMEL, HARRY J. (S'50-A'51-M'56), Engrg. Group Leader, Motorola, Inc., 4545 Augusta 8lvd., Chicago 51, III.
- Leader, Moutoria, Int., 1972 Augusta Chris, Chinade 19, 111.

 HUMMEL, JOSEPH P. (M'56), Television Design Engr., Warwick Mig. Corp., 7300 N. Lehigh Ave., Niles, III.

 HUMMEL, KARL H., JR. (S'49-A'5D), Elec. Engr., Dalmotor Co., 1375 Clay St., Santa Clara, Calif.

 HUMMEL, WILLIAM M. (A'59), Owner, William M. Hummel & Co., Box 190, Port Credit, Ont., Canada.

 HUMMELS, DONALD R. (S'56-A'57), Sr. Technician, Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 HUMMER, EARL W. (A'49), Project Engr., Philoc Corp., W. Monroe St., Sandusky, Ohio.

 HUMMER, JOHN L. (A'47-M'5D), Owner, John L. Hummer, Consulting Engr., 1731 N. Michigan Ave., Saginaw, Mich. Consultant in Elec. Engrg., Michigan State College, East Lansing, Mich.

- Consultant in Elec. Engrg., Michigan State College, East Lansing, Mich.
 HUMMER, ROBERT F. (M'58), Physicist, Santa Barbara Research Center, Municipal Airport, Goleta, Calif.
 HUMPHREY, ANDREW J. (S'42-A'43-M'55), Engrg. Specialist, Reliance Elec. & Engrg. Co., 1068 Ivanhoe Rd., Cleveland 10, Ohio.
 HUMPHREY, ARTHUR L., JR. (A'53), Communications Engr., The Martin Co., Baltimore 3, Md.
 HUMPHREY, BRUCE E. (M'57), Design Engr., Minneapolis—Honeywell Inertial Guidance Center, Box 1335D, Rte. 19, St. Petersburg, Fla.

- Honeywell Inertial Guidance Center, Box 1335D, Rte. 19, St. Petersburg, Fla.

 HUMPIREY, CHARLES D. (A'55), Asst. Project Engr., Pratt & Whitney Aircraft, Box 611, Middletown, Conn.

 HUMPIREY, DONALD D. (S'57-M'59), Moscow Mills. Mo. HUMPIREY, FLOYD B. (M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 HUMPIREY, GORDON S. (A'42), Asst. V.P. & Mgr., Govt. Equipment Div., Raytheon Mfg., Wayland, Mass.

 HUMPIREY, GORDON S. (A'42), Asst. V.P. & Mgr., Govt. Equipment Div., Raytheon Mfg., Wayland, Mass.

 HUMPIREY, HARTLEY C. (A'29-VA'39-M'55), Supvr., Electronics Sect., Westinghouse Elec. Internati. Co., 40 Wall St., New York S. N.Y.

 HUMPIREY, JERALD S. (S'56-A'58), Technician, Servonics, Inc., 822 N. Henry, Alexandria, Va.

 HUMPIREY, JERALD S. (S'56-A'58), Technician, Servonics, Inc., 822 N. Henry, Alexandria, Va.

 HUMPIREY, JERALD S. (S'16-A'58), Engr., GE Co., Syracuse, N.Y.

 HUMPIREY, JEONARD C. (SM'58), Engr., Advanced Electronics Center, GE Co., Ithaca, N.Y.

 HUMPIREY, ROBERT D. (S'57-M'59), Elec. Engr., Presto Recording Corp., Forest Ave., Rte. 4, Paramus, N.J.

 HUMPIREY, ROBERT D. (S'57-M'59), Electronics Engr., Great Northern Radio, Inc., WWSC, 13 Warren St., Glens Falls, N.Y.

 HUMPIREY, THOMAS R. (A'47), V.P. & Asst. Genl., Mgr., Great Northern Radio, Inc., WWSC, 13 Warren St., Glens Falls, N.Y.

- HUMPHREY, WATTS S., JR. (A'51-SM'56), Mgr., Computer Advanced Dev. Dept., Sylvania Elec. Prods., Inc., Waltham, Mass.

- Advanced Dev. Dept., Sylvania Elec. Prods., Inc., Waltham, Mass.

 HJMPHREY, WAYNE L. (S'57-M'58), Assoc. Engr., Nortronics Div., Northrop Aircraft, Hawthome, Calif.

 HJMPHREY, WILLIAM M. (M'56), Sr. Elec. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 HJMPHREY, WILLIAM R. (A'53-M'58), Design Engr., GE Co., Box 13.2, Evendale, Ohio.

 HJMPHREYS, DONALD M. (A'59), Sr. Electronics Technician, Research Lab. Div., Bendix Aviation Corp., Box 5115, Detroit, 35, Mich.

 HJMPHREYS, JOHN D. (M'52), Asst. Tech. Dir., Quality Evaluation Lab., Navy 66, FPD, San Francisco, Calif.

 HJMPHREYS, JOHN L. (S'54-A'56), Genl. Sta., Mgr., FM Sta., KXTR, Telesound Broadcasting Corp., 310 Nichols Rd., Kansas City, Mo.

 HJMPHREYS, HJOHNAS G., JR. (A'57), Elec. Engr., Industrial Nucleonics Corp., 1205 Chesapeake, Columbus, Ohio.

 HJMPHREYS, THOMAS G., JR. (A'52-M'58), Asst. Chief Engr., Alabama Gas Corp., 2110 1st Ave., N., Birmingham, 3, Ja.

 HJMPHREYS, THOMAS I. (A'42-SM'51), Pres., T. I.

- LINY, Alauma das Colp., 2110 1st Ave., N., Birmingham J., Ala.

 HUMPHREYS, THOMAS I. (A'42-SM'51), Pres., T. I.

 Electronic Corp., 8ax 296, Buena Park, Calif.

 HUMPHRIES, DON H. (A'56-M'58), Electro-Mech. Engr.,

 Hughes Aircraft Corp., Culver City. Calif.

 HUMPHRIES, JACK H. (A'54), Broadcast Engr., WTAR Radio
 Corp., 720 Boush St., Norfolk, Va.

 HUMPHRIES, JOHN (A'56-M'57), Dev. Engr., Dynac, Inc.,
 395 Page MHI Rd., Palo Alto, Calif.

 HUMPHRIES, RICHARD G. (S'55-M'57), Toll Transmission
 Engr., Genl. Telephone Co. of Indiana, Inc., 303 E. Berry
 St., Ft. Wayne, Ind.

 HUMPHRIS, ROBERT R. (S'50-A'53-M'58), Elec. Engr.,
 Engr., Experiment Sta., Univ. of Virginia, Thorton Hall,
 Charlottesville, Va.

 HUND, EDGAR (A'45-M'55), Design & Dev. Engr., RCA.
- Charlottesville, Va.

 HUND, EDGAR (A'45-M'55), Design & Dev. Engr., RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.

 HUNDERUP, ALLAN R. (M'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N

 HUNDLEY, THOMAS C. (S'47-A'50-M'55), Mem. Tech.

 Staff, Hughes Aircraft Co., Culver City, Calif.

 HUNDSTAD, CARL E. (A'43-M'55), Engr., GE Co.,

 Syracuse, N.Y.
- Syracuse, N.Y.
 HUNG, JOHN W-C. (M'59), Assoc. Engr., IBM, Poughkeepsie. HUNGERFORD, LAURENCE D. (M'56), Engr., Collins Radio

- HUNGERFORD, LAURENCE D. (M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 HUNGERFORD, NORMAN C. (A'36), Asst. Chief Mechanic, United Air Lines, 6000 S. Cicero Ave., Chicago, III.
 HUNGERFORD, ROBERTS. (A'45–M'55), Engr., Sparton Electronics, 2400 E. Ganson, Jackson, Mich.
 HUNKER, WALTER (M'57), Physicist, Diamond Ordnance Fize Labs., Washington 25, D. C.
 HUNKINS, HAROLD R. (A'39-VA'39-M'55), Exec. Staff Engr., TT Labs., Nutley 10, N.J.
 HUNNICUTT, ALAN L. (S'48-A'50-M'56), System Engr., Consumers Power, Inc., 2100 N. 9 St., Corvallis, Ore.
 HUNSICKER, JACK E. (S'51-A'52-M'58), Research Engr., Ballistic Research Labs., Aberdeen Proving Ground, Md.

- HUNSICKER, RICHARD K. (A'56), Field Engr., Stavid Engrg., Inc., U. S. Rte. 22, Plainfield, N. J. HUNSICKER, WILLIAM R. (S'50-A'51-M'56), Dept. Head., Lorac Research Dept., Seismograph Service Corp., 620D E., 41 St., Tulsa, Okla.
- HUNSUCK, JOHN D. (S'55-M'56), Pilot, USAF, APO 2B3, New York, N.Y.
- HUNSUCKER, ROBERT D. (S'5B-M'59), Asst., Geophysical Research, Geophysical Institute of Univ. of Alaska, College, Alaska
- Alaska

 HUNT, A. BREWER (A'43-SM'43), Genl. Mgr., Research & Dev. Labs., Northern Electric Co., Ltd., 1600 Dorchester St., W., Montreal, P. Q., Canada.

 HUNT, ALAN, JR. (S'55-A'57), Machine Tool Maint., Studebaker Packard Corp., 635 S. Main, South Bend, Ind. HUNT, ARTHUR E. (M'58), Systems Integration Engr., RCA Service Co., 1B09 Bannard St., Riverton, N.J. HUNT, CHARLES J. (A'54), Studio Supvr., KRPC-TV, 3104 Post Oak, Houston, Tex.

 HUNT, CHARLES R. (A'53-M'5B), Field Engr., Hughes Aircraft Co., Culver City, Calif.

- Aircraft Co., Culver City, Calif.
 HUNT, CLARENCE A. (\$'46-A'51), Engr., Northern Electric
 Co., Sidney St., Belleville, Ont., Canada.
 HUNT, CLYDE M. (A'34-M'41-SM'43), V.P. for Engr.,
 The Washington Post Broadcast Div., Broadcast House,
 Washington 16, D.C.
 HUNT, D.W. (Al/A), Padio Engr., U.S. Army, Signal Engr.
- vvasnington 16, D.C.
 HUNT, D.W. (M'44), Radio Engr., U.S. Army Signal Engrg.
 Labs., Ft. Monmouth, N.J.
 HUNT, DONALD F. (A'49-M'55), Asst. Prof., Elec. Engrg.,
 Polytechnic Institute of Brooklyn, B5 Livingston St., Brookl

- Burbank, Calif.

 HUNT, JAMES N. (S'51-A'54), District Engr., Collins Radio Co., 2 B04 Dodson Dr., East Point, Ga.

 HUNT, JAMES T. (A'40), Owner, James T. Hunt, 602 N.
 St. Paul St., Dallas 1, Tex.

 HUNT, JOHN M. (A'44-M'46-SM'55), V.P., Tech. Dir., Link Aviation, Inc., 530 University Ave., Palo Alto, Calif.

- Calif.

 Calif.

 HUNT, JOHN R. (A'58), 1962d AACS Sqdn., Box 231, APO 239, San Francisco, Calif.

 HUNT, JOHN W. (A'54-M'57), Sr., Research Asst., Duplate Canada, Ltd., Oshawa, Ont., Canada.

 HUNT, LLOYD E. (M'33-SM'43), Radio Research Engr., Bell Tel. Labs., Holmdel, N.J.

 HUNT, MACK J. (A'55), Engr., Sperry Gyroscope Co., Salt Lake City, Utah.

 HUNT, MALCOLM H. (M'56), Mgr., Prod. Dev., Elec. Prods., Corning Glass Works, Corning, N.Y.

 HUNT, MARULL (A'53), Lt. Col., USAF, Interceptor Fire Control Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- ratterson Arty, Unio.
 HUNT, McKAY D. (A'54), Owner, Los Banos Radio & Television, 659 J St., Los Banos, Calif.
 HUNT, R. ALLAN (S'4B-A'49-M'55), Project Dir., Malt
 & Ness Industrial Consultants, 1234 Genesee St., Buffalo
 11, N.Y.
- HUNT, RICHARD W. (M'59), Sales Engr., Motorola Communications Electronics, Inc., 1107 Green Briar Rd., Haddonfield, N. J.
- HUNT, VALERIO R. (A'55-SM'59), Principal Dev. Engr., Aircraft Armaments, Inc., Box 126, Cockeysville, Md. HUNT, W. WINSTON (M'58), Assoc. Engr., Aircraft & Missile Guidance, Westinghouse Elec. Corp., Box 746, Baltimore 3. Md
- HUNT, WARREN A. (M'59), Asst. to Assoc. Dir., Research, IBM, Yorktown Heights, N.Y.
 HUNT, WILLIAM A. (A'47-M'47), Chief Engr., WHIZ & WHIZ-TV, 52 N. 5 St., Zanesville, Ohio.
- WHIZ-1V, 52 N. 5 St., Zanesville, Olio.
 HUNTER, ARTHUR L. (A'55), Radio Communications Engr.,
 City of Albuquerque, Mountain Rd. & Broadway, N.E.,
 Albuquerque, N.M.
- HUNTER, DAVID O. (M'5B), Elec. Engr., GE Co., Richland,
- Wash.
 HUNTER, EDWARD M. (S'55-M'56), 149-16 10 Ave.,
 Whitestone, L.I., N.Y.
 HUNTER, FREDERICK L., JR. (S'51-A'51-M'56), Design
 Engr., RCA, Semiconductor & Materials Div., Rte. 202,
 Somerville, N.J.
- Somerville, N.J.
 HUNTER, G. TRUMAN (M'46), Consultant, Exec. Dev. Dept.,
 1BM, 590 Madison Ave., New York 22, N.Y.
 HUNTER, HARVEY H. (A'55), Principal Elec. Engr., Batelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.
 HUNTER, HUGH L. (M'57), Project Electronics Engr.,
 Charleston Naval Shipyard, U. S. Naval Base, Charleston,
 S.C.

- S.C.
 HUNTER, JACK B. (A'45-M'52), Mgr., Service Administration, Canadian GE Co., Ltd., B30 Lansdowne Ave.,
 Toronto 17, Ont., Canada.
 HUNTER, JAMES S., JR. (S'49-A'50), Elec. Engr., Detroit
 Edison Co., 2000 2nd Ave., Detroit 26, Mich.
 HUNTER, JONATHAN (A'54), System Engr., Broadview
 Research, Inc., 1127 Chula Vista, Burlingame, Calif.
 HUNTER, LLOYD P. (SM'52), Resident Mgr., IBM Research
 Lab., Poughkeepsie, N.Y.
- Lab., Poughkeepsie, N.Y.
 HUNTER, LLOYD W. (S'55-M'57), Engr., Zenith Radio Research, B41 Warrington Ave., Redwood City, Calif.

- HUNTER, NEAL E. (S'4B-A'50-M'55), Electronics Mfrs. Agent, Paston-Hunter Co., 609 Demong Dr., Syracuse 3, N. Y.

- N. Y.

 HUNTER, PAUL B. (SM'46), Patent Dir., Varian Associates,
 Hansen Way, Palo Alto, Calif.

 HUNTER, PAUL H. (M'53), Elec. Engr., Bell Tel. Labs.,
 c/o Western Electric Co., Winston-Salem, N.C.
 HUNTER, R. DOUGLAS, JR. (S'55-M'56), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.
 HUNTER, ROBERT A. (S'52-M'53), Sr. Tech. Aide, Bell
 Tel Labs., Murray Hill, N.J.

 HUNTER, ROBERT D. (A'54-M'57), Liaison Engr., Philco
 Corp., C & Tioga Sts., Philadelphia 34, Pa.

 HUNTER, ROBERT P. (S'49-A'50-SM'53), Staff Engr.,
 Haller, Raymond & Brown, Inc., Science Park, State
 College, Pa.

 HUNTER, SAMUEL P. (A'55). Patener. Cermit-Hunter.
- HUNTER, SAMUEL P. (A'55), Partner, Cerruti-Hunter Associates, B41 Woodwide Rd., Redwood City, Calif. HUNTER, THEODDRE A. (A'29-M'45-5M'46-F'53), Pres., Hunter Mfg. Co., 10B N. Lynn St., Jowa City, Jowa.
- HUNTER, W. CAMPBELL (S'45-A'50-M'55), Meter Engr., HUNTER, W. CAMPBELL (S'45-A'50-M'55), Meter Engr., Hydro Electric Power Commission of Ontario, Public Utilities Bidg., Port Arbur, Drt., Canada. HUNTER, WALTER C. (M'47-SM'54), Div. Supvr., Elec. Standards Div., Sandia Corp., Sandia Base, Albuquerque, N.M.
- HUNTER, WILLIAM B. (A'53), Mgr., Contract Dept., Diehl Mfg. Co., Somerville, N.J.
- Mfg. Co., Somerville, N.J.
 HUNTER, WILLIAM C. (A'59), Chief Engr., WJHL, Inc.,
 Johnson City, Tenn.
 HUNTER, WILLIAM W., JR. (S'57-M'59), Elec Designer,
 Submarine Reactor Plant Engrs. Office, Newport News Shipbuilding & Dry Dock Co., Washington Ave., Newport News,
- Va. HUNTER, WINDSOR H. (M'56), Dev. Engr., Transitron Electronic Corp., 407 Main St., Melrose, Mass. HUNTING, ROBERT A. (A'54), Engr., GE Co., Syracuse,

- N.Y.
 HUNTINGYDN, ALLEN (M'46), Sr. Project Engr., Fairchild Astrionics Div., Wyandanch, L.I., N.Y.
 HUNTINGTON, MAURICE B. (A'26-VA'39), Retired, B6 Rockingham St., Rochester 20, N.Y.
 HUNTINGTON, ROBERT C. (S'4B-A'50-M'5B), Head, Microwave Sect., Genl., Mills, Inc., 2003 E. Hennepin Ave., Minneapolis, Minn.
- HUNTINGTON, WILBUR J., JR. (S'46-A'4B-M'55), Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.
- HUNTLEY, CLARENCE W. (S'56-M'59), Elec. Engr., Goodall Electric Co., Ogallala, Neb. HUNTLEY, HAROLD R. (SM'51), Chief Engr., AT&T, 195 Broadway, New York 7, N. Y.
- HUNTLEY, KENNETH L. (A'29-M'4B-SM'58), Chief, Gr. Inst. Sec., PGE, Air Proving Ground Center, Eglin Field, Fla.
- INST. Sec., PGE, Air Froving dround center, Evanification, Fla.

 HUNTLEY, WALTER P. (A'54), Atty. at Law, Fulwider, Mattingly & Huntley (Patent Lawyers), 5 225 Wilshire Blvd., Los Angeles 36, Calif.

 HUNTLEY, WILLIAM F. (M'46), Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 HUNTLEY, WRIGHT H., JR. (S'57-M'59), Research Asst., Systems Techniques Lab., Stanford Univ., Stanford, Calif.

 HUNTON, JAMES K. (SM'57), Group Leader, Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 HUNTOON, ROBERT D. (A'40-SM'47-F'54), Deputy Dir., Natl. Bureau of Standards, Washington 25, D.C.

 HUNTOON, VINCENT J. (A'55), Owner, V. J. Huntoon Co., 90B Belmont Ave., Springfield B, Mass.

- HUNTSMAN, HAROLD F. (S'42-A'46-M'55), Research & Dev. Engr., Collins Radio Co., 2700 W. Olive, Burbank, Calif.
- HUNDZEKER, WILLIAM R. (S'57-M'58), 204 Columbia Ave., Roseville, Calif. HUNDG, SIMON (A'57), Engr., Lignes Telegraphiques 8 Telephoniques, B9, Rue de la Falsanderie, Paris 16, France.
- HUOPANA, RICHARD O. (M'5B), Design Engr., IBM, Owego,

- N.Y.
 HUPERT, JULIUS J. (SM'4B), Prof., Physics, De Paul
 Univ., 1036 W. Belden Ave., Chicago 14, III.
 HUPFER DONALD L. (S'57-M'58), ASSOC. Engr., Lockheed Missile Systems Div., Palo Alto, Calif.
 HUPP, CHARLES E. (A'55), Sales Engr., Union Thermoelectric Co., 2001 Greenleaf, Evanston, III.
 HURD, CLAUDE D. (M'57), Chief, Dev. Sect. A., Telemetry, Systems Branch RID, Dept. U. S. Army, White Sands
 Proving Ground, N.M.
- Proving Ground, N.M.
 HURD, CUTHBERT C. (A'51), Dir., Automation Research,
 1BM, 590 Madison Ave., New York 22, N.Y.
 HURD, EDGAR C., JR. (M'56), Lab. Technician, HewlettPackard Co., 275 Page Mill Rd., Palo Alto, Calif.

- Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 HURD, F. KENNETH (M'52), Assoc. Prof., School of Elec.
 Engra., Georgia Institute of Technology, Atlanta, Ga.
 HURD, PAUL A. (A'50-M'55), TV Transmitter Supvr.,
 WHDH, Inc., 6 St. James Ave., Boston 16, Mass.
 HURD, ROBERT A. (M'56), Asst. Research Officer, Natl.
 Research Council, Microwave Sect., Radio & Elec. Engrg.
 Div., Dttawa, Ont., Canada.
 HURD, WILLIAM H. (M'56), Electronics Engr., Jackson &
 Moreland, Inc., 600 Park Sq. Bidg., Boston, Mass.
 HURFORD, ALLEN F. (SM'54), Sect. Supvr., Staff Mem.,
 Sandia Corp., Sandia Base, Albuquerque, N. M.,
 HURFORD, WINSLOW L. (A'3B-VA'39-M'55), Engr.,
 RCA, Camden, N.J.
 HURLBERT, LOYAL L. (S'50-A'51-M'56), Sr. Engr.,
- HURLBERT, LOYAL L. (S'50-A'51-M'56), Sr. Engr., Schlumberger Well Surveying Corp., 5D00 Gulf Freeway, Houston, Tex., HURLBURT, EVERETT H. (A'44-SM'53), Physicist, U. S. Naval Ordnance Lab., White Oak, Md. HURLBURT, RAYMOND C. (A'56), Instr., Mohawk Valley Technical Institute, Utlca, N.Y.
 HURLBURT, RODERIC W., JR. (A'59), Fngr., Aero Geo Astro Corn., 1914 Duke St., Alexandria, Va. HURLBUT, GEORGE N. (S'48-A'49-M'56), Fleid Engr., Philos Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. RCA, Camden, N.J. HURLBERT, LOYAL L. (S'50-A'51-M'56), Sr. Engr., Schlumberger Well Surveying Corp., 5D00 Gulf Freeway,

- HURLBUT, JAMES F. (M'55-SM'59), Electronics Engr., Hytronic Measurements, Inc., 1295 S., Bannock St., Denver 23, Colo.

- HURLBUT, PHILLIP R. (A'52-M'55), Consulting Radio Engr., 1630 N. Oak Lane, Provo, Utah.

 HURLBUT, WAYNE A. (A'55), Electronics Engr., Sylvania Elec. Prods., Inc. 100 1st Ave., Waltham, Mass.

 HURLEY, ALAN F. (A'57), Electronics Engr., United Aircraft Corp., Main St., Broad Brook, Conn.

 HURLEY, CHESTER N. (S'57-A'58), 4203 Eastern Ave.,

 Mt. Rainier, Md.

- Mt. Rainier, Md.
 HURLEY, DANIEL T. (S'48-A'51-M'56), Engr., HMED,
 GE Co., Syracuse, N.Y.
 HURLEY, EDWARD T. (S'55-M'57), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 HURLEY, HENRY C. (A'40-M'55), Chief, Receiver Branch,
 Electronic Div., FAA, Tech. Dev. Center, Indianapolis,
 Ind.
- Ind.
 HURLEY, JOHN H., JR. (A'57), District Mgr., Radio Equipment Co., Inc., B21 W. 21 St., Norfolk, Va. HURLEY, LOYCE (A'53-M*57), Mgr., Communications, Arkansas-Louislana Gas Co., Box 1734, Shreveport, La. HURLEY, RICHARD B. (S'44-A'47-M'55-SM*57), Lecturer, Elec. Engrg., Univ. of California, Berkeley 4. Calif. HURLEY, WARREN A. (A'44-M'47), Fellow Engr., Westinghouse Elec. Corp., Baltimore 3, Md. HURNEY, PAUL A., JR., (S'49-A'50-M'55), Tech. Staff, Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.

- Mass.
 HURST, E. HENRY (S'55-M'57), Field Engr., Atlantic Refining Co., Box 849, Port Arthur, Tex.
 HURST, EUGENE (A'55), Dev. Engr., Bell Tel. Labs., B21, Burlington, N.C.
 HURST, HOLLIS C. (S'50-A'51-M'58), Sr. Aircraft Design Engr., Lockheed Aircraft Corp., Marletta, Ga.
 HURST, JOHN F. (S'55-M'59), Jr. Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 HURST, KERNEY J. (S'50-A'51-M'57), Account Rep., Ethyl Corp., 100 Park Ave., New York 17, N.Y.
 HURST, NELSON K. (A'58), instr., Ferrls Institute, Blg
- HURST, NELSON K. (A'58), instr., Ferris Institute, Big Rapids, Mich. HURST, ROBERT V. (M'57), Sr. Civilian Instr., RCAF, Clinton, Ont., Canada.

- HURST, ROBERT V. (M'57), 5r. John J. (M'57), 6r. John J. (M'57), 6
- HUSBAND, RALPH E. (S'49-A'50-M'56), Project Engr., Philoo Corp., 4700 Wissahlckon, Philadelphia 44, Pa.
- HUSBANDS, CHARLES L. (S'57-M'59), 215 W. Minnehaha St., Tampa 4, Fla. HUSEIN, AMIR E. (A'40-M'54), Asst. Engr., Govt. of Indla, Overseas Communications Service, Central Telegraph Office, Bombay, Indla.
- HUSELAND, NORMAN (S'54-M'56), Mem. Staff, MIT, Lincoln Lab., Lexington 73, Mass.
- LINCOIN Lau., Lexington / 2, Mass.
 HUSENITA, JOHN (A'53), Engr., Westinghouse Elec. Corp.,
 Metuchen, N.J.
 HUSK, WILMA J. (M'57), Specialist, GE Co., Utica, N.Y.
 HUSKA, JOHN (A'55), Capt., USAF, 10429 Bellamah Ave.,
 N.E., Albuquerque, N. M.
 HUSKEY, HARRY D. (A'49-M'55), Prof., Univ. of Callfornia, Berkeley 4, Calif.
- HUSMAN, PAUL A. (S'49-A'52), Engr., No. Amer. Aviation, Downey, Calif. tion, Downey, Calif. HUSSMANN, DONALD (M'59), Engr., Grumman Aircraft Engr. Com., Home: 1BB Ocean Ave., Massapequa, L.1., N.Y.
- N. Y.

 HUSSON, CHARLES (S'55-M'56), Radiation Electronics
 Westinghouse Elec. Corp., Elmira, N. Y.

 HUSMAN, F. WILLIAM (M'56), Mgr., Dayton District, Stavid Engrg., Inc., Hwy. 22, Planifield, N. J.

 HUSS, JOHN W. (S'54-M'57), Asst. Dir. Research &
 Engrg., Spartan Printing & Publishing Co., 2nd & Dickey,
 Sparta, III.

 HUSSAP, GEORGE (ALC)

- Братка, III.

 HUSSAR, GEORGE (A'5B), Field Radar Technician, Westing-house Elec. Corp., Friendship Airport, Baltimore, Md.

 HUSSEIN, NED.IDET A. (A'56), Chief Engr., Communications & Sound, Westrex Co. Andean, 1011 Boyaca, Guayaquil, Ecuador.
- Ecuador.
 HUSSEY, CLYDE V., JR. (A'53) Research Engr., Seismo-graph Service Corp., Box 1590, Tulsa, Okla.
 HUSSEY, JAMES G. (M'51), District Office Mgr., Genl. Radio Co., 1186 Los Altos Ave., Los Altos, Calif.
 HUSSEY, LUTHER W. (A'41-SM'46), Research Engr., Bell Tel. Labs., Whippany, N. J.
 HUSSON, CHARLES (S'55-M'56), Radiation Electronics Westinghouse Elec. Corp., Elmira, N. Y.
 HUSTED, JDHN M. (S'57-M'59), 3B22 Milan Dr., Alexandria. Va.

- andria, Va.
 HUSTEN, BENJAMIN F. (A'46-SM'53), Head, Fuze Dept.,
 Naval Ordnance Lab., Corona, Calif.
 HUSTER, LAWRENCE W. (S'49-A'50-M'55), Electronics
 Engr., Wright Air Dev. Center, Wright-Patterson AFB, Ohio.
- Engr., Wright Air Dev., Center, Wright-Patterson Arb., Ville HUSTON, EVAN E., (\$\subseteq\$155-M\subseteq\$1, Capt., USAF, Range Instrumentation Dev. Div., Air Force Missile Development Center, Holloman AFB, N. M. HUSTON, OWEN H., (\$\subseteq\$134-A\subseteq\$36-VA\subseteq\$39-M\subseteq\$4, Research Engr., Schlumberger Well Surveying Corp., 50DD Freeway,
- Houston, Tex.
- Houston, Tex.

 HUSTON, PAUL D. (A'50), Project Engr., Admiral Corp.,
 380D Cortland St., Chicago 47, III.

 HUSTON, QUINCY E. (S'4B-A'49-M'55), TV Studio Engr.,
 NBC, Sunset & Vine St., Hollywood, Calif.

 HUTCHEON, R. STEWART (A'47-SM'59), Systems Engr.,
 Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 HUTCHERSON, JUNN V. (M'57), Asst. Prof. of Physics,
 Long Beach State College, 6101 E. 7 St., Long Beach,
 Calif.
- Cair.
 HUTCHESON, GUY C. (A'36-SM'44), Consulting Radio
 Engr., 1100 W. Abram St., Arlington, Tex.
 HUTCHESON, JAMES G. R. (S'5B-M'59), Lt. Cmdr., (L),
 Royal Canadian Navy, HMCS Tera Nova, Halifax, N. S.,
- HUTCHESON, JOHN A. (A'2B-M'30-SM'43-F'4B), V.P., Engrg., Westinghouse Elec. Corp., Pittsburgh 30, Pa.

- HUTCHESON, PETER (M'56), Electronics Engr., United Kingdom Atomic Energy Authority, Aldermaston, Berks., England.

- England,
 HUTCHINSON, CHARLES C. (S'54-A'56), 26 Peter Lynas
 Ct., Tenafly, N. J.
 HUTCHINSON, DONALD F. (S'51-A'52-M'57), Dev. Engr.,
 GE Co., Schenectady, N. Y.
 HUTCHINSON, EARLE M. (S'51-A'54-M'5B), Supvy. Electronics Engr., U. S. Naval Ordnance Lab., White Oak, Md.
 HUTCHINSON, FRANK W. (M'59), B53 Jaydee Ave.,
 Baltimore 22, Md.
- Battimore 22, Md.
 HUTCHINSON, HARRY M., JR. (A'57), Service Engr., Midwestern Instrument Co., 41 & Sheridan, Tulsa, Okla.
 HUTCHINSON, HENRY P. (A'32-SM'46), Physical Science
 Administrator, U.S. Army Signal Research & Development
 Lab., Ft. Monmouth, N. J.
- HUTCHINSON, JAMES O. (A'51-M'56), Supt., Test Dept., Westinghouse Electronics Div., Box 1897, Baltimore 3, Md.
- HUTCHINSON, JOHN H. (A'52-M'57), Sr. Operating Tech-nician, Mound Labs., Monsanto Chemical Co., Mound Ave., Miamisburg, Ohio.

- nician, Mound Labs., Monsanto Chemical Co., Mound Ave., Miamisburg, Ohio.

 HUTCHINSON, KENNETH R. (M'58), 2278 Yorkshire Pl., Dayton 19, Ohio.

 HUTCHINSON, NEWELL D. (S'48-A'49-M'55), Lead Engr., Temco Aircraft Coro., Dallas, Tex.

 HUTCHINSON, RICHARD W. (A'41-M'55), Sr. Elec. Engr., Engr., Staff, GMC, G. M. Tech. Center, Detroit 2, Mich. HUTCHINSON, ROBERT E. (S'53-A'54), Test Equipment Specialist, Federal Electric Coro., Anchorage, Alaska.

 HUTCHINSON, WILLIAM M. (S'57-M'58), Collins Radio Co., 2700 W. Olive, Burbank, Calif.

 HUTCHINSON, WILLIAM R. (A'57), Engrg. Technician, USAF, Brookley AF8, Mobile, Ala.

 HUTCHISON, DONALD P. (S'55-M'57), Data Systems Analyst, Boeing Airplane Co., Wichita 1, Kan.

 HUTCHISON, HOMER W. (S'56-M'57), 5 Allan Village, Watson Bivd., Endwell, N. Y.

 HUTCHISON, POBLET C. (S'47-A'49-M'55), Asst. Prof., Georgia Institute of Technology, Atlanta, Ga.

 HUTCHISON, ROBERT P. (A'45), Transmitter Maint. Engr., Tri-City Broadcasting Co., WOC, WOC-FM, WOC-TV, 805 Brady, Davenport, Iowa.

 HUTCHISON, THOMAS C. (S'48-A'50-M'58), Engrg.

- Brady, Davenport, Iowa.
 HUTCHISON, THOMAS C. (S'48-A'50-M'5B), Engrg.
 Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 HUTERS, ALBERT F. (S'55-M'56), Staff Mem., Sandia
 Corp., Sandia Base, Albuquerque, N. M.
 HUTH, WARREN R. (SM'57), Sales Mgr., J. T. Hill Co.,
 420 S. Pine St., San Gabriel, Calif.
 HUTHMACHER, JOHN E. (S'57-A'58), Boilermaker, Boilermaker's Local #7, 475 Franklin St., Buffalo, N.Y.
 HUTSON, DONALD E. (S'58-M'58), 6000 W. 51 St.,
 Chicago 38, III.

- HUTSON, GEORGE E. (A'57), Tech. Asst., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada. HUTSON, LEROY S. (A'47-M'55), Electronics Project Engr., U.S.Army Signal Research & Development Labs., Ft. Monmouth, N.J.
- HUTSON, RICHARD N. (A'51-M'56), Chief, Advanced Electronics, Chance-Vought Aircraft Inc., Box 5907, Dallas, Tex.

- Tex.

 HUTTO, CLYDE E. (A'53), Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 HUTTER, EDWIN C. (A'47-M'55), Research Physicist, RCA Labs., Princeton, N. J.

 HUTTER, RUDOLF G. E. (SM'46-F'54), Assoc. Dir., Research & Physics, Sylvania Elec. Prods., Inc., Bayside 60, L. I., N. Y.

 HUTTON, CHARLES D. (S'56-A'5B), Chief Engr., K6FM, Commercial Music Service, 2422 14 St., Lubbock, Tex.

 HUTTON, DANIEL B. (A'55), Electronics Engr., U. S. Information Agency, Independence Ave., Washington, D. C.

 HUTTON, J. EDWIN (A'56-M'56), Electronics Engr., GELIA Hors., Engr., Div., Tinker AFB, Oklahoma City, Okla. HUTTON, LOUIS G. (S'56-M'59), 70 W. California, Pasadena 2, Calif.
- HUTTON, WILLIAM G. (A'38-SM'47), Sr. Engr., Carl E. Smith Consulting Radio Engrs. & V. P., Treas., Smith Electronics, Inc., 4900 Euclid Ave., Cleveland 3, Ohio.
- tronics, Inc., 4900 Euclid Ave., Cleveland 3, Ohio. HUTTON, WILLIAM I. (A'48-M'51-SM'55), Engra. Mgr., IBM, 6600 Excelsior Blvd., Minneapolis 26, Minn. HUXHOLD, HERBERT P. (S'58-A'59), Operations Technician, Mf5D, Burroughs Corp., Burroughs Dr., St. David, Pa. HUXTABLE, CLYDE K. (A'36-SM'44), Mdse. Mgr., TV, Radio & Musical Instruments Dept., Montgomery Ward & Co., 619 W. Chicago Ave., Chicago 7, III. HUYCK, WILLIAM J., JR. (S'55-M'57), Engr., RCA, Camden, N. J. HUYETT, WILLIAM I. (S'46-A'49-M'55), Chief Engr., Polymer Corp., 2120 Fairmont Ave., Reading, Pa. HUYNEN, J. RICHARD (M'50), Assoc. Research Scientist, Lockheed Missile Systems Div., 80x 504, Sunnyvale, Calif.

- Calif.

 HVAL, HAROLD N. (A'51-M'56), Project Engr., Kearfott Company, Inc., 1500 Main Ave., Clifton, N.J.

 HVATUM, HEIN (M'57), Research Assoc., Natl. Radio Astronomy Observatory, Box 2, Green Bank, W. Va.

 HVINDEN-HAUG, LARS (M'57), Div. Mgr., A/S

 Lehmkuhl, N., Volloate 3, Oslo, Norway.
- HWANG, IN Y. (A'57), Radio Engr., Ministry of Communications, Seoul, Korea.
- HWANG, YING-CHEN (A'55), Engr., GE Co., Syracuse, N.Y. HYANS, HENRY C., (SM'57), Principal Electronics Engr., Emerson Research Labs., 1140 East-West Hwy., Silver Spring, Md.
- Spring, Md.

 HYAMS, IRVING (A'51-M'56), Electronics Engr., Telepynamics, Inc., 5000 Parkside Ave., Philadelphia 31, Pa.

 HYATT, ARNOLD J. (M'58), Supvg. Engr., Hazeltine Corp.,

 Little Neck 62, L.I., N., Supvg. Engr., Hazeltine Corp.,

 Kemp Engrg., 2618 Mamang, Dallas 20, Tex.

 HYATT, THOMAS H. (S'55-M'56), Elec. Engr., GE Co.,

 Utica, N.Y.

- Utica, N.Y.
 HYATT, WILLIAM R., JR (A'46-M'53-SM'57), Engr.,
 AT&T, 195 Broadway, New York 7, N.Y.
 HYBSKMANN, VANCE L. (A'54), Project Engr., Aeronautical
 Accessories Lab., Wright-Patterson AF8, Ohio.
 HYDE, ALBERT E. (M'56), Head, Administrative Staff,
 Engro. & Research, Genl. Precision Lab., Inc., Pleasantville, N.Y.

- 228 -HYDE, CLYDE M. (S'47-A'53-M'56), Prof., Univ. of Nebraska, Lincoln 8, Neb.
- HYDE, GEOFFREY (M'56), Engr., Sinclair Radio Labs., Ltd., 7D Sheffield St., Toronto 15, Ont., Canada. HYDE, GERALD M. (S'56-M'58), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.
- HYDE, HARRY, JR. (4758), Tech. Writer, Burroughs Corp., 253 N. Broad St., Philadelphia, Pa. HYDE, HOWARD 1. (A'53-M'58), Engr., GE Co., Syracuse,

- N.Y.

 HYDE, KENNETH C., JR. (S'57-M'58), Engr. in Training, RCA, Patrick AFB, Fla.

 HYDE, PETER L. (A'55), Technician, IBM, Owedo. N.Y.

 HYDE, RICHARD A. (A'54), Factory Sales Engr., Hyde Sales Co., 3250 S. Dexter, Denver 22, Colo.

 HYDE, WALLACE E., JR. (S'49-A'51-M'56), Project Engr., Donner Scientific Co., 888 Galindo St., Concord, Calif.
- Calif.
 HYDE, WALTER L. (S'51-A'52-M'57), Elec. Engr., (Staff Mem.), Sandia Corp., Sandia Base, Albuquerque, N.M.
 HYDEN, I. FREDERICK (M'50), Chief Mech. Engr., Pacific Mercury Electronics, Sepulveda, Calif.
 HYDER, HARRY R. (A'46-M'49-SM'56), Sr. Engr., Motorola Western Military Electronics Center, 8201 E. McDowell Rd., Phoenix, Ariz.
 HYPE, FRED.K. (A'54-M'59), Research & Day, Engr.

- KG., Phoenix, Ariz. HYER, FRED K. (A'54-M'59), Research & Dev. Engr., Great Lakes Pipe Line, Kansas City, Mo. HYER, HARY C. (M'56), Engr., Hyer Construction Co., 4556 Bailey Ave., 8uffalo 10, N.Y. HYKES, GLENN R. (A'55-M'58), Dev. Engr., Collins Radio Co., Cedar Rapids, Iowa.
- HYLAND, JAMES R. (M '59), Principal Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y. HYLAND, L. A. (A'29-VA'39-SM'53-F'55), V. P. & Genl. Mgr., Hughes Aircraft Co., Culver City, Calif. HYLAND, ROBERT C. (A'50), Genl. Staff Asst., New England Telephone & Telegraph Co., 185 Franklin St., Boston, Mass.

- Boston, Mass.
 HYLAS, ALBERT E. (A'48-M'54), Engra. Sect. Head,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 HYLTIN, TOM M. (A'54), Engr., Texas Instruments,
 Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 HYLTON, ALLAN W. (S'56-A'57), 4405 Mundy Lane,
 New York 66, N.Y.
 HYMAN, ABRAHAM (S'43-A'47-M'55), Chief, Elec.
 Engra. Branch, Medical Equipment Development Lab.,
 Ft. Totten, Bayside 59, L.I., N.Y.
- HYMAN, WILLIAM R. (S'57-M'58), 110 Drdnance, Kings-HYMAS, DONALD G. (M'56), Elec. Engr., RCA, Camden,
- N.J. HYMER, ROBERT L. (S'58-M'59), Project Engr., Sandia Corp., Sandia Base, Albuquerque, N.M. HYMOWITZ, EMIL W. (S'49-A'51-M'55), Head, AEW Unit, Radar Branch, Avionics Div., Bureau of Aeronautics, Navy Dept., Washington 25, D.C.
- HYNDMAN, ROBERT W., JR. (S'57-M'59), Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.
- HYNDMAN, WILLIAM H. (M'5B), Sales Engr., Computing Devices of Canada, Ltd., 164 Eglington Ave., Toronto 12, Ont., Canada.
- Unt., Canada.

 HYNE, ALLAN D. (S'35-A'39-M'55-SM'59), Program
 Engr., Lawrence Radlation Lab., Univ. of California,
 Box 808, Livermore, Calif.

 HYNEK, DANIEL P. (S'55-M'58), Staff Mem., MIT Lincoln
 Lab., Millstone Hill Site, Westford, Mass.

 HYNEMAN, JOHN R. (M'51-SM'51), Patent Engr.,
 Western Union Telegraph Co., 60 Hudson St., New York
 13, N.Y.
- 13, N.Y.

 HYNEMAN, RICHARD F. (S'49-A'54-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. HYNES, EDWARD A. (S 49-A'50-M'54), Project Engr., Group Leader, Motorola, Inc., 4501 Augusta Blvd., Chicago, III.

 HYNES, KENNETH W. (M'56), Chief Engr., Watkins Electronics, Ltd., 9 Dwight Ave., Toronto 14, Ont., Canada.

- HYNES, ROBERT T. (S'53-M'58), Electronics Design Engr., Acton Labs., Inc., 533 Main St., Acton, Mass. HYNES, WALTER J., JR. (M'55), Mgr., Systems Reliability & Standards, Defense Systems Dept., GE Co., Syracuse, N.Y.
- HYYPOLAINEN, ERKKI K. (A'59), Project Engr., Scott Paper Co., 225 Welsh St., Chester, Pa.
- IACONO, VINCENT C. (\$'54-A'55'), Electronic Scientist, New York Naval Shipyard. Brooklyn: N.Y.

 IAMS, HARLEY (A'31-M'38-SM'43-F'50'), Assoc. Dir., Research Labs., Hughes Aircraft Co., Culver City, Calif.

 IANNELLI, EDWARD (M'43) Radio & TV Consultant, 2409 N. Vermont Ave., Los Anqueles 27, Calif.

 IARUSSI, ROBERT D. (\$'53-A'55'), Testing Engr., The Lamb Electric Co., Lake St., Kent, Ohlo.

 BUKA, MASARU (A'54), Pres., Sony Corp., 351 Kitashinagawa-6, Shinagawa-ku, Tokyo, Japan.

 ICE, GEORGE E. (M'57). Filter Engr., Lenkurt Flectric Co.

- nagawa-6, Shinagawa-ku, Tokyo, Japan.

 ICE, GEORGE E. (M'57), Filter Engr., Lenkurt Electric Co., 1105 Old County Rd., San Carlos, Calif.

 ICENBICE, PHINEAS J. (SN'56), Chief Engr., Gonset, 801 S. Main, Burbank, Calif.

 ICHNICWSKI, FRANCIS C. J. (S'56-M'58), Elec. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 ICHAKIS, MINOS A. (A'51-M'57), Engrg. Scientist, Applied Sciences Labs., Fotiadi Pasha Str. Canea, Crete, Greece.

 IDA, KOICHI (A'57), Shimada Physical & Chemical Industrial Co., 17 Fumimi-cho, Nakano-ku, Japan.

 IDDINGS, GEORGE E. (SM'59), Head, Engrg. Sect., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 IDDINGS, GEORGE E. (SM'59), Head, Engrg. Sect., Institute for Defense Analysis, 1707 H St., N. W., Washington 6, D. C.

- DE, JOHN M. (A'47-SM'5D), Tech. Dir., USN Underwater Sound Lab., New London, Conn.

 IDEHARA, ROY K. (S'56-M'58), Design Engr., Lockheed Aircraft Corn., Missile Systems Div., Sunnyvale, Calif.

 IDOL, CHARLES A. (S'51-A'52-M'57), Engr.-In-Chg., Raleigh Studio, WUNC-TV, North Carolina State College, Raleigh, N.C.

- IEIRI, SEIJI (M'57), Chief Research Mem., Electrical Communication Lab., 1551, Kichijoji, Musashino-shi, Tokyo, Japan.

- shi, Tokyo, Japan.

 IFFLAND, JAROLD L. (A'53), Dev. Engr., Goodyear Aircraft Corp., Akron, Ohio.

 IFFLAND, JOHN J. (S'42-A'45-M'48-SM'52), Mgr., Drdnance Rad Debt., Raytheon Mg. Co., Wayland, Mass.

 IGNATOWICZ, JOSEPH B. (S'55-M'56), Electronics Field Engr., Hughes Aircraft Co., Culver City, Calif.

 IGRAM, RICHARD G. (S'50-A'51-M'56), Staff Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.

- meter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.

 IHDE, WILLIAM M. (M'51-SM'52), District Office Mgr., Genl. Radio Co., 6605 W. North Ave., Oak Park, III.

 HLY, FRANK J. (S'56-M'57), Scientist, Lockheed Missile Systems Div., Box 504, Sunnyvale, Calif.

 HNAT, JOHN (S'54-M'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 HRIG, LYMAN C. (M'45), Engr., Airborne Instruments Lab., inc., 16D Old Country Rd., Mineola, L. I., N. Y.

 IJJMA, KEN'ICHI (S'52-A'53-M'59), Prof., Yokohama Natl. Univ., Olfokamachi, Minami-Ku, Yokohama City, Japan.

 IJMURA, NOBORU (A'57), Kokusai Electric Co., Ltd., Komae-Mach., Kitatama-Gun, Tokyo, Japan.

 IJAMS, ROBERT K. (S'56-M'59), Firing Point Operator, Univ. of California Radiation Lab. Livermore, Calif.

 IKEDA, KEIZO (A'51-SM'58), Mng. Tech. Dir., The Furukawa Electric Co., Ltd., 2-B Marunouchi, Tokyo, Japan.

 IKEGAMI, FUMIO (M'57), Staff Engr., Elec. Communication Lab., Nippon Telegraph & Telephone Public Corp., 1551, Kichiloji, Musashino (Ity, Tokyo, Japan.

 IKELMAN, GEORGE J. (A'45), Electronics Scientist, Navy Ordnance Test Sta., China Lake, Calif.

 IKERD, HOWARD M. (A'44-M'55), Head, Antenna & Microwave Lab., Convair-Astronautics, Box 1128, San Diego 12, Calif.

 IKERZAWA, SHIGERU (A'58), Chief, Engrg, Dert., Electron.
- Kalli Laur, Gulvair-Aschaultis, Box 1128, Jan 101go 12, Calif.

 IKEZAWA, SHIGERU (A'58), Chief, Engrg, Dept., Electron Tube Div., Nippon Electric Co., 1753 Tamagawa Mukai, Kawaski, Kangawa, Japan.

 IKRATH, KURT (A'54), Elec. Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 IKSTRUMS, IMANTA (5'56-M'56), Electronics Instrumentation Engr., Boeing Airplane Co., Box 3707, Seattle 14, Wash.

 ILER, CERALD W. (S'49-A'50-M'53-SM'58), Engr., GE Co., Schenectady, N.Y.

 ILER, KENNETH R. (S'56-A'58-M'58), Group Leader, Goodyear Aircraft Corp., 1210 Massillion Rd., Akron, Ohio.

 ILGENFRITZ, NELSON H. (S'56-M'58), Electronics Engr., Convair, Fomma, Calif.

 ILLMAN, ROBERT W. (S'42-A'44-M'55), Chief, Electronics Sciences, Boeing Airplane Co., 80x 3707, Seattle 14, Wash.

 ILOWITE, RALPH (A'47-M'55), Tech. Dir., American Broad-

- Wash.

 ILOWITE, RALPH (A'47-M'55), Tech. Dir., American Broadcasting Co., 7 W. 66 St., New York 23, N.Y.

 IMAHATA, KENROKU (M'59), Chief, Information & Research
 Service Sect., Japan Broadcasting Corp., Tech. Research
 Lab., 361, Kinuta-Machi, Setagaya-Ku, Tokyo, Japan.

 IMAYOSHI, BUNKICHI (A'57), Mem. Research Sect., Japanese Hydrographic Office, 5 Chome, Tsukiji, Chuo-ku, Tokyo,
 Japan.
- IMBODEN, GEORGE J. (A'53), Supvr., Production Control, Sylvania Elec. Prods., Inc., 83-30 Kew Gardens Rd., Kew Gardens 15, L.I., N.Y.

- Kew Gardens 15, L.I., N.Y.

 IMBODEN, H. B. (A'49-M'54-SM'55), Engr., American Viscose Corp., Marcus Hook, Pa.

 IMERSON, HENRY E. (A'50), Foreman, Communication, Atchison, Topeka, & Sante Fe Railway Co., 2154 Archer Ave., Chicago, III.

 IMES, GEORGE C., III (S'57-A'58), Electronics Maint. Technician, FAA, Atlanta, Ga.

 IMGRAM, RICHARD H. (S'49-A'50-M'58), Head, Antenna Design Group, Grumman Aircraft Engrg. Corp., 8ethpage, L.I., N.Y.

 IMHOFF, JOHN J. (SMISR) Mem. Tech Staff, Space, Toch
- IMHOFF, JOHN J. (SM'58), Mem. Tech. Staff, Space Tech-nology Labs., Inc., 8ox 95001, Los Angeles 45, Calif. IMMARCO, ANTHONY E. (S'49-A'50-M'58), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N.Y.

- Long Island City, N.Y.

 IMRIE, ROBERT W. (S'56-M'58), Design & Dev. Engr., Semiconducto Div., RCA, Somerville, N.J.

 IMUS, HENRY O., JR. (S'54-M'57), Systems Engr., Raytheon Mfg. Co., Wayland, Mass.

 INACKER, HENRY F. (S'57-M'58), Elec. Engr., RCA, Moorestown, N.J.

 INAFUKU, RAYMOND H. (S'55-M'57), Company Officer, 207th Signal Co. (SPT) USASETAF, APO 168, New York, N.Y.

 INAMIL, FRAMK K. (S'43-A40-MSC).
- TORY, N.Y.

 INAMI, FRANK K. (S'43-A'49-M'55), Electronics Engr., Univ. Of California Lawrence Radiation Lab., Box 808, Livemore, Calif.

 INATSU, MINORU (A'56), Engr., TV Research Sect., Japan Broadcasting Corp., 361, Kinuta-Machi, Setagaya-Ku, INCE, MORANGE, CARRANGE, CARRANG
- IOKYO, Japan.
 INCE, NORMAN S. (S'51-A'54-M'59), Sr. Engr., Texas Instruments, Inc., Box 132, Dallas 21, Tex.
 INDERHEES, JOHN A. (S'48-A'51-M'56), Supvy. Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati, Ohio
- INDERWIESEN, FRANK H., JR. (A'43-M'48-SM'54), Research Engr., Midwest Research Institute, 425 Volker 8Ivd., Kansas City, Mo.

- Kansas City, Mo.

 INDRA, JEROME J. (A'54), Sales Engr., Walker-Jimieson, Inc., 311 S. Western, Chicago, III.

 ING, GEORGE W. (A'47-SM'54), Dir., Engro., KONO AMFM-TV, 140B N. St. Marys St., San Antonio, Tex.

 ING, JOHN C. Y. (M'59), Electronics Technician, FAA, Box 4009, Honolulu, Hawaii.

 INGALL, WILLIAM E. (S'51-A'53-M'58), Owner, Ingall Development Co., 510 W. Garfield, Glendale 4, Calif.

 INGALLS, CLYDE E. (A'41-SM'45), Assoc. Prof., Elec. Engrg., Cornell Univ., Ithaca, N.Y., Pres. & Chief Engr., Canisteo Electronic Instrument Labs., 106 Sheldon Rd., Ilhaca, N.Y.
- Ithaca, N.Y.
 INGALLS, DAVID (A'46-M'55), V.P., Airtron, Inc., 200 E.
 Hanover Ave., Morris Plains, N.J.

ING-ITS

- INGALLS, PHILIP A. (S'56-M'58), Dev. Engr., Librascope, Inc., 808 Western Ave., Glendale, Calif.
 INGALLS, RICHARD P. (S'49-A'52-M'56), Staff Mem., MIT Lincoln Lab., Cambridge 39, Mass.
 INGALLS, ROBERT S. (A'47-M'54), Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 INGBER, LAWRENCE K. (S'54-M'56), Mfrs. Rep., L. K. Ingber Co., 41 Cross St., West Newton 65, Mass.
 INGE FOUNTS F. (M'46.4) Eight Face. Schizeris Ella Dende
- INGE, EOWIN F. (M'54), Field Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.
- INGERETSEN, EINAR E. (S'48-A'51-M'56-SM'58), Project Mgr., Summers Gyroscope Co., 2500 Broadway, Santa Monica, Calif.
- Monica, Calif.

 INGERSLEY, FRITZ H. B. (SM'55), Prof., Royal Tech.
 Univ., Oester Voldgade 10, Cophenhagen, K, Denmark.

 INGERSOLL, CLARENCE E. (M'56), Sect. Supvr., Sandia
 Corp., Sandia Base, Albuquerque, N. M.

 INGERSOLL, EUGENE R. (A'49—M'55-SM'56), Mem. Tech.

 Staff, Systems Labs. Corp., 14852 Ventura 8Ivd.,

 Sheman Oaks, Calif.

 INGERSOLL, INDATURAN C. (A'47—M'54)
- INGERSOLL, JONATHAN C. (A'47-M'54), Sales Engr., Branch Mgr., Neely Enterprises, 501 Laurel St., San Carlos, Calif.
- INGERSON, WILLIAM E. (M'58), 5012 Timberwolf Dr., El Paso, Tex.

- El Paso, Tex.

 INGHAM, STEWART A. (A'57), Engr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 INGLEDUE, ELWOOD F. (S'48-M'50), Div. Supvr., Flight Test Div., Sandia Corp., Livermore, Calif.

 INGLES, HARRY C. (SM'48), Consultant & Dir., RCA, 30 Rockfeller Plaza, New York 20, N.Y.

 INGLIS, JAMES B. (A'58), Federal Electric Corp., Box 2330, Edmorton, Alta., Canada.

 INGLIS, R. SCOTT (A'59), Supvr., Staff & Administrative Services, W. L. Maxson Corp., 475 10 Ave., New York 18, N.Y.

- 18, N.Y.
 INGMAN, JOHN F. (S'54-M'57), 1st Lt., _8418 62 Ave.,
 N. E., Seattle 55, Wash.
 INGRAHAM, KENNETH R. (M'49), Dir., Telecommunications Oept., Bost 48, Naesaw, Bahamas.
 INGRAM, 80BBIE A. (M'59), Group Leader, RCA Service
 Co., Govt. Service Dept., Camden 8, N.J.
 INGRAM, CHARLES J. (S'55-M'56), Electronics Engr.,
 Convair-Astronautics, San Diego, Calif.
- INGRAM, CLEOPHAS (A'48), TV Service Engr., Ingram's Television & Radio Service & Sales, 5444 S. Princeton, Chicago 9, III.
- Unicago 9, III.
 INGRAM, DENT 8. (S'57-M'57), Electronics Engr., Weapons
 System Project Office, USAF, Wright-Patterson AF8, Ohio.
 INGRAM, DONALO E. (S'55-M'56), Methods Engr., Northern
 Electric Co., Ltd., 759 Victoria Sq., Montreal, P.Q.,
 Canada.
- INGRAM, GOROON R. (A'55), Tech. Maint. Officer, Hgrs., Royal Canadian Signals Western Command, Greisbach, Alta.,

- Canada.

 INGRAM JAMES 8. (S'56-M'59), Assoc. Engr., Convair-Astronautics, San Diego 12, Calif.

 INGRAM, JAMES H. (S'54-M'55), Dev. Engr., Collins Radio Co., 1930 Hiline Dr., Dallas, Tex.

 INGRAM, JOE J. (S'47-A'48-M'55), Sr. Engr., 18M, Prod. Dev. Lab., Endicott, NY.

 INGRAM, JOE J. (S'47-A'48-M'55), Sr. Engr., 18M, Prod. Dev. Lab., Endicott, NY.

 INGRAM, SYONEY 8. (A'36-M'40-SM'43), Dir., Education & Training, Bell Tel Labs., Murray Hill, N.J.

 INGRAO, HECTOR C. (A'56), Project Engr., Harvard College Observatory, Cambridge 38, Mass.

 INGULI, CHARLES N. (A'57), Sales Engr., The S. S.

 White Dental Mfg. Co., Industrial Div., 10 E. 40 St., New York 16, N.Y.

 INGVALDSEN, RUSSELL E. (A'58), Sr. Lab. Teat-Live.

- New York 16, N.Y.
 INGVALDSEN, RUSSELLE. (A'58), Sr. Lab. Technician, Genl. Mills Electronic Research, Minneapolis, Minn.
 INGWERSON, DALE R. (M'56), Sr. Dev, Engr., Sperr Gyroscope Co., 394 Commercial St., Sunnyvale, Calif.
 INKMAN, WILLIAM McC. (S'57-A'57), Engrg. Technician, Alberta Govt. Telephones, 9718-107 St., Edmonton, Alta., Canada.
- MKSON, IAN A. (M'58), Sr. Communications Engr., Canadlan Marconi Co., Special Services Div., 8ox 994, St. John's, Nfld., Canada.
- NKSTER, WALTER J. (M'55), Customer Services Engr., Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal, P.Q.,

- Canada

 INMAN, ARTHUR D. (A'47), Engr., Bendix Radio,
 Balkimore 4, Md.

 INMAN, F. WALDO (A'57-M'58), Electronics Scientist
 Gs-11, U. S. Army Electronics Proving Ground, Ft.
 Huachuca, Ariz.

 INMAN, JAMES F. (A'42-SM'46), Pres., Associated Research, Inc., 3758 W. Belmont Ave., Chicago 18, III.

 INMAN, THOMAS F. (SM'56), Supvr., Production EngraMinneapolis-Honeywell Regulator Co., St. Petersburg, Fla.

 INNES, FRANK T. (A'48-M'55), Sr. Electronics Engr.,
 Briggs Associates, Inc., 10 DeKalb St., Mornistown, Pa.

 INNIS, JOSEPH P. (S'54-M'58), Tech. Writer, Collins
 Radio Co., Cedar Rapids, Iowa.

 INOSF, HIROSH (M'56), Asst. Prof., Dept. of Electronic

- Radio Co., Cedar Rapids, lowa.
 INOSE, HIROSHI (M'56), Asst. Prof., Dept. of Electronic Engrg., Faculty of Engrg., Univ. of Tokyo, Motofuji-cho 1, Bunkyo-Ku, Tokyo, Japan.
 INOUE, NORMAN S. (S'52-A'52-M'57), Sr., Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Callf.
 INOUYE, GEORGE T. (S'46-A'53-M'58), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5730 Arbor Vitae St., Los Angeles 34, Callf. The Ramo-Wooldrid Angeles 34, Calif.
- INSALACO, JOSEPH J. (S'52-A'53-M'54), Sr. Electronics Engr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif.
- INSALACO, PHILIP J. (A'57), Lab. Tech., RCA, Camden,
- INSCOE ROBERT A., JR. (M'54), Genl. Engr., Transmission, Chesapeake & Potomac Telephone Co., 930 H. St., N.W., Washington 1, D.C.
- N.W., Washington 1, D.C.

 NSEL, CARL II. (5'56-M'59), Mem. Tech. Staff, Geni.
 Telephone Research, Northlake, III.
 INSINGER, RICHARO H., J.R. (A'53-M'58), Electronic
 Scientist, Naval Air Development Center, Johnsville, Pa.
 INSKEEP, JON Z. (S'53-A'55), Instrumentation Engr.,
 Boeling Airplane Co., Missile Statt Test Site., Edwards
 Flight Test Center, Edwards, Calif.
 INSLEE, JOHN A. (S'54-M'56), Research Engr., RCA
 Research Labs., Princeton, N.J.

- INSLERMAN, HANS E. (A'35-VA'39-M'55), Research Supyr., Radar, Countermeasures, Combat Surveillance, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 INSLEY, ROBERT, JR. (S'56-A'59), Designer, Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.
 INTAGLIATA, SALVATORE J. (A'54), Engrg. Mgr., Data-Flo, Underwood Research & Engry. Lab., 56 Arbor St., Hartford 6, Conn.
 INTO, A. NORMAN, JR. (A'57), Sales Rep., RCA, Airborne Systems Oept., Camden 2, N.J.
 INTRATOR, ALEXANDER M. (A'52-M'58), Elect. Engr., GE Co., Syracuse, N.Y.
 INTRAUB, JULIUS (S'52-A'54), Electronics Engr., Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.
 IORIO, JOSEPH (S'57-M'58), Dev. Engr., American Bosch Arma Coro., Roosevelt Field, Garden City, L.I., N.Y.
 IORIO, STANLEY A. (S'57-M'58), Engr., Sylvania Elec. Prods., Inc., 8ayside, L.I., N.Y.
 IRBY, HALL C. (S'54-A-54-M'58), Cev. Engr., Defense Prods., Div., Westen Electric Co., 220 Church St., New York 13, N. Y.
 IRBY, RAYMOND F. (S'51-A'54-M'59), Project Engr., Melpar Electronics. Inc., 3000 Arlinaton Rivd., Falls

- IRBY, RAYMOND F. (S'51-A'54-M'59), Project Engr., Melpar Electronics, Inc., 3000 Arlington Blvd., Falls Church, Va.
- Church, Va.

 IRELAN, HERMAN F. (A'46-M'55), Sr. Engr., Oak Mfg.
 Co., 1260 Clybourn, Chicago, III.

 IRELANO, FREO H. (SM'56), Mor., Human Factors Engrg.,
 RCA Missile & Surface Radar Oiv., Moorestown, N. J.

 IRELANO, FREOERICK (S'33-A'35-M'3B-SM'43), Box
 2002, Pasadena, Callif.

 IRELANO, GILBERT R. (M'56), Project Leader, E. M. I.
 Electronics, Ltd., Hayes, Middx., England,
 IRELANO, R. PAUL (M'45), EDL Co., 5929 E. Ounes
 Hwy., Gary 5, Ind.

 IRELAND, RICHARO O. (A'55), Mem. Tech. Staff. Snace

- nwy., Gary >, Ind.
 IRELAND, RICHARO O. (A '55), Mem. Tech. Staff, Space
 Technology Lab., 5500 El Segundo, Los Angeles 45,
- Calif.

 IRIBE, PAUL (A'53), Sr. Engr., Systems Analyst,
 Westinghouse Elec. Corp., 8ox 857, 8altimore, Md.

 IRICK, JOHN (A'49-M'55-5M'55), Electronice Sect.,
 Head, Republic Aviation Corp., 233 Jericho Tpkc.,
 Mincola, L.I., N.Y.

- INITIAL AVIATION COTP., 233 Jericho Tpke., Minieola, L.I., N.Y.

 IRISH, FREDERIC E., JR. (A'53-M'58), Elec. Engr., MITRE Corp., Lexington 73, Mass.

 IRISH, JOHN 8. (S'58-M'59), Instrumentation Engr., Douglas Aircraft Co., Santa Monica, Calif.

 IRISH, RICHARD N. (A'59), Supvr., Sylvania Elec. Prods., Inc., Batavia, N.Y.

 IRLANO, GEORGE A. (M'53), Prof., Elec. Engrg., Bucknell Univ., Lewisburg., Pa.

 IRONFIELO, RICHARD, JR. (S'49-A'50-M'56), 188 Palmer St., Somerset, Mass.

 IRONS, FRED H. (M'56), Teach Asst., MIT, Cambridge 39, Mass.

 IRONS, HENRY R. (S'43-A'48-M'50), Electricia F.

- St., Somerset, Mass.

 IRONS, FRED H. (M'56), Teach Asst., MIT, Cambridge 39, Mass.

 IRONS, HENRY R. (S'43-A'48-M'58), Electronics Engr., Naval Ordnance Lab., White Oak, Md.

 IRVIN, HENRY O. (A'54-SM'58), Mem. Tech. Staff, Bell Tel. Labs., Muray Hill, N.J.

 IRVIN, JAMES L. (A'45), Mgr., Engro. & Dev., RCA (Great Britain), Ltd., Lincoln Way, Sunbury-on-Thames, England., IRVIN, RICHARO G. (A'53-M'59), Design Engr., Douglas Aircraft Co., Inc., 2000 N. Memorial Dr., Tulsa, Okla.

 IRVINE, GEORGE W. (S'56-M'58), 1119 Merivale Rd., Ottawa, Ont., Canada.

 IRVINE, JAREO S. (S'56-M'58), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 IRVINE, JAREO S. (S'56-M'58), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 IRVINE, MERLE M. (S'50-A'53-M'56-SM'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 IRVINE, PAUL L. (A'54), V. P. & Genl. Mgr., Mulrhead Instruments, Inc., 441 Lexington Ave., New York 17, N.Y.

 IRVINE, ROBERT G. (S'53-M'57), Electronics Englineer, Convair, Box 1011, Pomona, Calif.

 IRVIN, GDNALO W. (S'58-M'59), Production Engr., San Jose Celentific, 605 Sunol, San Jose, Calif.

 IRVIN, CHARLES B., JR. (A'50-M'55), Mgr., Production Engr., Ciode & Rectifier Oept., Texas Instruments, Inc., Box 312, Oallas, Tex.

 IRWIN, CHARLES P. (S'56-M'59), Electronics Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 IRWIN, OAVIO E. (M'59), Project Engr., Smith Electronics, Inc., 4501 W. Pleasant Valley, Parma 34, Ohlo.

 IRWIN, EMMETT M. (A'43-M'55), Pres., Irwin Labs., Inc., Pres., Induffux, Inc., 1238 S. Gerhart Ave., Los Angeles 22, Calif.

 IRWIN, ORDON J. (A'35-M'39-SM'43), Mfg. Engr., Marsi and Engr., Ld., Kitchener, Ont., Canada.

 IRWIN, RORDON J. (A'35-M'39-SM'43), Mfg. Engr., Marsi and Engr., Ld., Kitchener, Ont., Canada.

 IRWIN, RORDON J. (A'35-M'39), Sales Engr., American Machine & Metals, Inc., 233 Broadway, New York 7, N.Y.

 IRWIN, CORRON J. (A'57), Tech. Specialist, High Temperature Electronics, GE Co., Lakeside Ave., Burlington, Vt.

- New YORK / , N.Y.

 IRWIN, ROYCE W. (A'57), Tech. Specialist, High Temperature Electronics, GE Co., Lakeside Ave., Burlington, Vt.

 IRWIN, SAMUEL N. (SM'58), Engr.-in-Cher., Research & Advanced Engrg., Holley Carburetor Co., 11955 E.

 Nine Mile, Warren, Mich.
- IRWIN, THOMPSON O., JR. (M'58), Sales Engr., Instrument Associates, 1315 Massachusetts Ave., Arlington, Mass.
- Instrument Associates, 13.15 Massachusetts AVE.,
 Arlington, Mass.
 ISAAC, KENNETH N. (5'56-M'59), Jr. Engr., Electronic
 Engrg. Co., 1601 E. Chestmut AVE., Santa Ana, Calif.
 ISAAC, MAURICE G. (M'58), Engr., GE Co., Utica
 2, N.Y.
 ISAAC, VERNON L. (S'58-A'59), Communications Asst.,
 Dept. of State, APO 205, American Embassy, New
 York, N.Y.
 ISAAC, VICTOR E. (A'42-M'58), Engrg. Mgr., RCA Victor
 Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.
 ISAACS, HAROLO A., J. (A'5R), Canadian Marconi Co.,
 Box 994, St., John's, Nidd., Canada.
 ISAACS, JOHN P. (M'58), Asst. Plant Engr., NorrisThermador Corp., Box 58384, Los Angeles 58, Calif.
 ISAACS, PETER J. (M'55), Engrg. Sect. Head, Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 ISAACS, ROBERT A. (A'54), Sect. Mgr., Computers
 Philico Corp., Western Oevelopment Labs., 3875
 Fabian Way, Palo Alto, Calif.

- ISAACSON, ALLEN (M'56), Research Asst., Sloan-Kettering Institute, 410 E. 68 St., New York 21, N.Y. ISAACSON, ARTHUR M., JR. (S'53-A'55), Projects Engr., RCA, Moorestown, N.J. ISAACSON, HAROLD B. (S'53-A'54), Pres. & Chief Engr., Antenna & Radome Research Associates, Inc., 1 Bond St., Westbury, L.I., N.Y.
- ISAACSON, JAMES (M'56), Sr. Dev. Engr., The Mayo Clinic, Rochester, Minn.
- Clinic, Rochester, Minn.

 ISAACSON, JOSEPH J. (A'59), Lab. Technician, RCA, Camden, N.J.

 ISAACSON, RICHARD G. (S'52-A'53-M'58), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 ISAACSON, SHELDON (S'54-M'58), Head, Antenna & Microwave Sect., Martin Co., Orlando, Fla.

 ISAAK, MORRIS E. (S'56-M'58), Dev. Engr., Sperry Gyroscope, 294 Commercial, Sunnyvale, Calif.

 ISABEAU, JOHN G. (M'57), Research Engr., Zenith Radlo Corp., 6001 W. Dickens, Chicago 39, Ill.

 ISAKSON, STANLEY E. (M'57), Asst. Chief Electronics Engr., Land-Air, Inc., 2133 Adams Ave., San Leandro, Calif.

- Calif.
 ISBELL, CLETUS H. (S'57-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.
 ISBELL, DWIGHT E. (A'55), Research Engr., Boelng Airplane Co., Box 3925, Seattle 24, Wash.
 ISBERG, CLIFFORD A. (S'56-M'57), Boelng Airplane Co., Box 3925, Seattle 24, Wash.
 ISBERG, REUBEN A. (A'41-SM'46), Sr. Engr., Ampex Copp., 934 Charter St., Redwood City, Calif.
 ISBISTER, ERIC J. (A'39-SM'45-F'53), Chief Engr., Surface Armament Div., Sperry Gyroscope Co., Great Neck, L. I., N. Y.
 ISFAR, IFROMF A., IR. (S'48-A'52-M'57). Sales Engr..
- L.I., N.Y.
 ISEAR, JEROME A., JR. (S'48-A'52-M'57), Sales Engr.,
 Flame-Plating Dept., Linde Co. Div., Union Carbide Corp.,
 1300 Lakeside Ave., Cleveland 14, Ohio.
 ISELE, H.A. (A'41), Elec. Inspector, American District
 Telegraph Co., 155 Ave. of the Americas, New York 11,
- N.Y.
 ISELY, FRANK C. (SM'48), Dir., NASA Project Vanguard in Chile, Natl. Aeronautics & Space Administration, Washington 25, D.C.

- ington 25, D.C.
 ISEMANN, LOUIS W. (A'56), Fleld Engr., Aeronautical
 Div., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.
 ISENHOUR, CHARLES N. (S'50-A'51-M'58), Elec. Engr.,
 Internatl. Resistance Co., Boone, N.C.
 ISENSON, RAYMOND S. (M'53), Weapon System Design
 Engr., Cook Research Labs., 6401 W. Oakton, Morton
 Grove, Ill.

 ESP. CALVIN H. (5'50-A'53), Sr. Projects Engr., Sylvan-
- ISERI, CALVIN H. (S'50-A'53), Sr. Projects Engr., Sylvania Elec. Prods., Inc., Box 188, Mountain View, Calif. ISERT, IRWIN L. (M'59), Systems Engr., GE Co., Syracuse, N.Y.

- ISERT, IRWIN L. (M'59), Systems Engr., GE Co., Syracuse, N.Y.
 ISHERWOOD, CHARLES F. (M'50), Controller, Main Trunk Services, Dept. of Telecommunications, Kuala Lumpur, Federation of Malaya.
 ISHERWOOD, HARRY (S'47-A'50-M'58), Engr., New York Telephone Co., 140 West St., New York 7, N.Y.
 ISHII, FREDERICK K. (A'48-M'55), Lead System Design Engr., Chance-Vought Aircraft Inc., Naval Air Missile Test Center, Point Mugu, Calif.
 ISHII, GEORGE M. (S'57-M'59), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 ISHII, KORYU (M'55), Teacher, Dept. of Elec. Engre., Nihon Univ., Siruyadai, Tokyo, Japan.
 ISHIKAWA, DENJI (M'57), Chief, Research Sect., Shimada Physical & Chemical Industrial Co., Ld., 17 Fujimi-cho, Nakano-ku, Tokyo, Japan.
 ISHIMARU, AKIRA (M'58), Asst. Prof., Elec. Engre. Dept., Univ. of Washington, Seattle 5, Wash.
 ISHWATA, SHOICHI (A'57), Research Engr., Ultra Sonic Engrg. Co., 11 Shiba Hamamatsu-cho, 1 Chome, Minatoku, Tokyo, Japan.

- Energ. Co., 11 Shiba Hamamatsu-cho, 1 Chome, Minatoku, Tokyo, Japan.

 ISHIZAKI, YASUTOSHI (A'59), 121 Shimodaltacho, Setagayaku, Tokyo, Japan.

 ISHLER, HARRY K. (A'36-M'46-SM'51), Mgr., Energ. & Production, Lansdale Tube Co., Lansdale, Pa.

 ISKEN, JACOB R. (M'58), Mgr., Reliability & QC Administration, Internatl. Resistance Co., 401 N. Broad St., Philadelphia, Pa.

 ISLEY, CARY T., JR. (A'53), Sr. Staff Engr., Hughes Aircraft Co., Culver City, Calif.

 ISMAIL, MOHAMED A. W. (A'55), Lecturer, Faculty of Engrg., Ein-Shams Univ., Calro, Eoypt.

 ISOLE, JOSEPH J., JR. (A'51-M'56), Tech. Asst., Electronic Component Analysis, ISM, Poughkeepsle, N.Y.

 ISOM, WARREN R. (SM'58), Mgr., Electro-Mech. Engrg., Group, A'51 Sleepsl St., Brooklyn, N.Y.

 ISRAEL, DAVID C'50-M'55), Mech. Engr., Bogart Mfg. Corp., 315 Sleepsl St., Brooklyn, N.Y.

 ISRAEL, DAVID R. (SM'59), Oept. Head, MITRE Corp., Lexington 73, Mass.

 ISRAEL, ORMAN O. (A'23-M'30-F'42), Exec. V.P., Emerson Radio & Phonograph Corp., 14 & Coles Sts., Jersey City, N.J.

 ISRAEL, FRED N. (M'55), Pres., Fred Israel Associates, 734 15 St., N. W. Washington, O.

- City, N.J.,
 ISRAEL, FRED N. (M'55), Pres., Fred Israel Associates,
 734 15 St., N.W., Washington, O.C.
 ISRAEL, J.O. (A'46-M'46-SM'52), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 ISRAEL, LAWRENCE J. (A'46-M'49-SM'56), Office Dep.
 Comm. Weapon Systems, Hogs., Air Research & Development Command, Andrews AFB. Washington 25, O.C.
 ISRAEL, ERNATO, (A'57), Four. S. A.T., 41 Rue
- ISRAEL, RENATO (A'57), Engr., S.A.T., 41 Rue Cantagrei, Paris 13, France.
- Cantagrel, Paris 13, France.
 ISSERSTEDT, S. GORDON (A'45-M'45), Pres., Corex,
 Ltd., 30-36 Bridgman Ave., Toronto 4, Ont., Canada.
 ITENSON, VLADIMIR A. (A'50-M'57), Production Engr.,
 Computing Devices of Canada, Ltd., Bells Corners, Ont.,
 Canada.
- ITINIANT, LOUIS (S'50-A'51), Engrg. Asst., De Havilland Aircraft Co., Ltd., Downsview, Ont., Canada. ITO, ROY A. (S'57-M'58), Design Engr., RCA, Camdon 2, N.J.
- ITSINES, NICK J. (A'59), 917th Air Refueling Sqdn., Biggs AFB, El Paso, Tex.

- ITTELSON, RICHARD W. (A'42-SM'50), Chief, Research & Tech. Dev. Div., Wright Air Development Center, Wright-Patterson AF B, Ohio.

 ITTENBACH, LEO J., JR. (S'49-A'55), Magnetics Engr., GE Co., Computer Dept., 13430 N. Black Canyon Hwy., Phoenix, Ariz.

 ITZKAN, IRVING (M'57), Engr., Sperry Gyroscope Co., Great Neck, L. I. N. Y.

 IVANOV, ALEX (S'54-M'56), Elec. Engr., Raytheon Mfg. Co., Dedford, Mass.

 IVANS, WILLIAM S., JR. (A'47-SM'53), V.P. Engrg., KIN TEL., 5725 Kearny Villa Rd., San Diego, Calif.

 IVARS, RISTO E. (S'57-M'58), Dev. Engr., Finnish Defence Forces, Helsinki, Finland.

 IVERS, JOHN H. (A'41-SM'53), Sect. Mgr., Communications, Raytheon Mfg. Co., Wayland, Mass.

 IVERSEN, R. J. (A'23-M'44-SM'46), Chief Engr., Radio Communications, The New York Times, Times Sq., New York, 36, N. Y.

- IVERSEN, ROBERT L. (M 51), V.P., Sales, Woodward-Schumacher Electric Corp., 1725 W. North Ave., Chicago 22, III.

- 22, III.

 IVERSON, FRANK A. (A'41-M'55), Quality Control Mgr., Chicago Standard Transformer Div., Essex Wire Corp., Ceramic Ave., Zanesville, Ohio.

 IVERSON, JOHN H. (S'57-M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 IVERSON, KENNETHE. (A'55), Asst. Prof., Harvard Univ. Computation Lab., 33 Oxford St., Cambridge 38, Mass.

 IVERSON, MURIEL M. (A'47), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 IVERSON, NEIL A. (S'56-M'58), Elec. Engr., Electronic Engrs., Design & Research, GE Co., Richland, Wash.

 IVERSON, ROBERT W. (S'57-M'58), Prod. Design Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.
- IVES, EDWIN E. (S'56-M'57), Mem. Tech. Staff, Elec. Systems Dept., Sandia Corp., Sandia Base, Albuquerque, N.M.
- IVES, GEORGE M. (A'39-M'46-SM'52), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.

- Sta., Los Angeles 45, Calif.

 IVES, RICHARD O. (M'53-SM'59), Engr., Warwick Mfg.
 Corp., 7300 N. Lehigh, Niles, III.

 IVES, WALTER J. (A'55), Engr., Northem Electric Co.,
 Ltd., Belleville, Ont., Canada.

 IVESOAL, TRYGVE A. (S'55-M'57), Design Engr.,
 Raytheon Mfg. Co., Wayland, Mass.

 IVESTER, HENRY E. (A'42-M'57), Engr., Tech. Publications, Western Electric Co., Radio Shops, Lexington Rd.,
 Winston-Salem, N.C.

 IVEY, HENRY F. (M'46-SM'51), Mgr., Phosphor Research
 Sect., Westinghouse Elec. Corp., Bloomfield, N.J.

 IVEY, LAWRENCE I. (S'58-M'58), Jr. Engr., Computer
 Conkrol Co., Point Mugu, Calif.

 IVEY, ROBERT W. (S'56-M'59), Dynamics Engr., Convair,
 Pomona, Calif.

 IVINS, WALTER A. (A'56), Design Engr., Burroughs Corp..
- IVINS, WALTER A. (A'56), Design Engr., Burroughs Corp., Paoli, Pa.
- IVY, ARTHUR W. (M'58), Sr. Engr., Texas Instruments, Inc., 80x 312, Dallas 21, Tex.
- IVY, ROBERT C. (S'55-M'56), Engr., GE Co., Johnston City, N.Y.

- City, N.Y.
 IWAHASHI, KAY K. (A'53), Electronics Oesigner, Bendix
 Aviation Corp., Teterboro, N.J.
 IWAI, KAZUMI G. (A'55), Fleid Engr., Philco Corp., 22
 St. & Lehigh Ave., Philadelphia 32, Pa.
 IWAKATA, HIDEO (A'54-SM'55), Head Prof., Elec.
 Communication Engrg. Dept., Waseda Univ., Shinjuku-ku,
 Tokyo, Japan.
- IWAMA, KAZUO (A'54), Dir., Semi-Conductor Oiv., Sony Corp., 351, Kitashinagawa-6 Shinagawa-ku, Tokyo,
- Japan.

 IWAMOTO, IZU (S'56-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 IWAN, RDDNEY D. (S'54-M'57), Instrumentation Engr., McDonnell Aircraft Corp., Lambert Municipal Airport, St. Louis 3, Mo.

 Louis 3, Mo.

 Engr., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

- Columbus 1, Ohio.

 IWADKA, ISAMU S. (M'55), Project Engr., Nuclear-Chicago, 223 W. Erie, Chicago 14, III.

 IWASAWA, HIROCHI (M'57), Engr., 2nd Tech. Dept., Kobe Kogyo Corp., Dkubo Works, Dkubo-chio, Akashi Hyogo-ken, Japan.
- WERSEN, JOHN E. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. IYER, S. KRISHNA (A'52), Consulting Engr. & Service Engr., Radio Engrg. Labs., 4 Nachimuthu Gounder St., Pollachi (Coimbatore District), South India. IZARD, CHARLES 8. (M'56), Physicist, Dept. of Defense, Washington, D.C.

- Washington, D.C.
 IZENDUR, GEDRGE C. (M'46), Consulting Engr., 1D
 Alston Ave., New Haven, Conn.
 IZQUIERDD, LUIS E. (S'52-A'53-M'56), Engr. Group
 Mgr., Marconi Espanola S.A., Alcala 45, Madrid, Spain.
 IZUEL, ANTHDNY G. (S'56-M'57), Dev. Engr., Airesearch
 Mfg. Co., 9851 Sepulveda Blvd., Los Angeles 3, Callf.
 IZUMI, GEDRGE Y. (A'51), Suovy. Electronics Maint. Technician, (Relief GS-1D), FAA, 6th Region, Box 40D9,
 Honolufu 12, Hawaii.
- ronoutu 12, Hawaii.
 IZZO, ALFONZO, J. (A'57), Electronics Engr., Westinghouse Elec. Corp., Friendship Airport, Baltimore 7, Md.
 IZZD, ANTHONY J. M. (A'52), Service Advisor, Paramount Radio & Music Co., 700 Washington St., Hoboken, N. J.
 IZZO, NICHOLAS F. (M'58), Circuit Dev. Engr., Norden Div., United Aircraft Corp., 58 Commerce Rd., Stamford, Conn.

- JABLDNSKI, EUGENE R. (M'58), Sales Training Dir., Weston Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N.J. JABLONSKI, RICHARO W. (A'53), Electronics Engr., GE Co., Genl. Engrq. Lab., Schenectady, N.Y. JABDR, TODY (S'58-M'59), Asst. Engr., Texas Instruments, Inc., Box 312, Oallas 9, Tex.

- JACENKO, DANYLO (M'58), Sr. Research Asst., M. R.I., 55 Johnson St., Brooklyn 1, N.Y. JACHLEWSKI, RICHARD H. (M'56), R.D. 1, Lewiston,
- N.Y.

 JACHYN, THADDEUS M. (S'47-A'48-M'55), Systems Engr., GE Co., Schenectady, N.Y.

 JACIR S. ERNESTO B. (A'59), Pres. Oficina Tecnica De Ingenieria C.A. "OTINEJA," Apartado 6379, Caracas, Venezuela
- JACK, DAVID E. (S'55-M'56), Elec. Engr., RCA, Camden 2, N.J.
- 2, N.J.
 JACK, ROBERT W. (S'48-A'52-M'58), Project Engr.,
 ElectroData Div., Burroughs Corp., 460 N. Sierra Madre
 Villa, Pasadena, Calif JACKAMONIS, GEDRGE (A'54), Project Engr., Philco Corp., Govt. & Industrial Div., 4700 Wissahickon Ave.,
 Philadelphia 44, Pa.
- JACKE, STANLEY E. (A'54), Supvr., Ultrasonic Research, Detrex Corp., 14331 Woodrow Wilson, Detroit, Mich.

 JACKLIN, EARL M. (S'53-A'55), Research Engr., Douglas Aircraft Co., Inc., 3855 Lakewood Blvd., Long Beach 1, Calif.
- Cair.

 JACKMAN, CLAUOE A. (S'56-M'58), Engr., Sylvania
 Elec. Prods., Inc., Waltham 54, Mass.

 JACKMAN, ROBERT W. (M'56), Supvr., Doppler Systems
 Unit, Radar Sect., Hoffman Electronics Corp., 3761 S.
 Hill St., Los Angeles 7, Calif.
- ACKS AMEL 7. (15 Angeles 7, Latr.)

 JACKMAN, WILLIAM L. (M'53), Asst. Mgr., Engrg.,
 Military Prods. Div., IBM, Kingston, N.Y.

 JACKS, HERBERT G. (M'58), Reliability Research Engr.,
 Boeing Airplane Co., Box 3707, Seattle 24, Wash.

 JACKS, JOHN T. (M'57), Electronics Engr., Bendix Prods.
 Div., 400 S. Belger, Mishawaka, Ind.
- JACKS, SAMUEL T. (M'56), Signal Officer, Army Air Defense Command, U.S. Army, Ent. AFB, Colorado Springs Colo
- Springs, Colo.

 JACKSON, ALAN S. (S'54-A'55), Elec. Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, III.

 JACKSON, ALBERT S. (M'56), Asst. Prof., Elec. Engrg., Cornell Univ., Ithaca, N.Y.

 JACKSON, ALDEN E. (A'57), Research Scientist, Defense Research Lab., Univ. of Texas, 500 E. 24 St., Austin, Texas.
- JACKSON, ALEX (S'49-A'51), Dev. & Design Engr., Airborne Fire Control, RCA, Camden, N.J.
- Airborne Fire Control, RCA, Camden, N.J.,
 JACKSON, ALEXANDER H. (A'44), V.P. & Genl. Mgr.,
 Blaw-Knox Equipment Div., Box 119B. Pittsburgh 30, Pa.,
 JACKSON, ALFRED R. (S'55-M'56), Sr. Electronics Engr.,
 Hazeltine Electronics Div., Little Neck, L.I., N.Y.,
 JACKSON, ARTHUR J. (M'36), Engr., Research, No.,
 Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio.
 JACKSON, BERNARD 8. (S'48-A'50-M'55), Research
 Engr., Hughes Aircraft Co., Culver City, Calif.
 JACKSON, BORIS A. (M'47), V.P., U.S. Tool & Mfg.
 Co., Inc. & U.S. Components, Inc., 454-462 E.
 148 St., New York 55, N.Y.
 JACKSON, BRUCE B. (A'49-M'55), Mem. Tech. Staff
- JACKSON, BRUCE B. (A'49-M'55), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5500 El Segundo 8lvd., Los Angeles, Calif.
- LOS Angeles, Calif.

 JACKSON, CHARLES F. (S'57-M'58), Engr., Lockheed
 Missile Systems Oiv., Sunnyvale, Calif.

 JACKSON, CHARLES H. (A'42-SM'49), Military Requirement Specialist, United Aircraft Corp., Main St., Hartford,
 Conn.
- JACKSON, CHARLES H. (S'56-M'56), Telemetering Systems Engr., Radiation, Inc., Melboume, Fla. JACKSON, CHARLES M. (S'48-M'51), Chief Instr., Elec. & Electronics Oept., Hamilton Institute of Technology, 196 Wentworth St., Hamilton, Ont., Canada. JACKSON, CLANCE H. (A'30-M'56), Electronics Engr., FAA, New York Internatl. Airport, Jamaica, L.I., N.Y.
- JACKSON, CLIFFORD L. (A'43), 201 Portola Dr., Santa Cruz, Calif. JACKSON, CLIFFORD M. (M'59), Aero Research Engr., A.B. M.A. Guidance & Control Lab., Redstone Arsenal, Ala.
- ACKSDN, DDNALD A. (A'55), Staff Advisor, Elec. Engrg., U. S. Govt., Washington, D. C. JACKSDN, DDNALD E. (A'54-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. JACKSDN, EARL B. (S'57-M'59), Field Engr., Communications & Electronics Oept., Federal Electric Corp., Paramus, N.J.

- N.J.

 JACKSDN, EDWARD L., JR. (S'56-M'57), Asst. Project
 Engr., Bendix Radio Oiv., Towson 4, Md.

 JACKSDN, EDWIN J. (SM'59), Mgr., Advance Equipment
 Engrg., LMEO, GE Co., Schenectady, N.Y.

 JACKSDN, EGBERT H., JR. (M'58), Electronics Scientist,
 U.S. Naval Drdnance Lab., Silver Soring, Md.

 JACKSDN, FRANK E. (A'53), Factory Rep., Ron Merrit
 Co., 1238 N.W. Glisan, Portland 15, Dre.

 JACKSDN, FRANK L. (S'55-M'57), 1st Lt., USAF,
 Home: 1217 N.W. 47 St., Oklahoma Citv 18. Okla.

 JACKSDN, FRED J. (M'56), Sr. Engr., Stromberg-Carlson
 Co., 140D N. Goodman St., Rochester 3, N.Y.

 JACKSDN, FREDERICK D. (S'54-M'96), L. Cmdr., USN.
- JACKSON, FREDERICK D. (S'54-M'56), Lt. Cmdr., USN, Program Officer, Material Lab., N.Y. Naval Shipyard, Brooklyn I, N.Y.

- Program Officer, Material Lab., N.Y. Naval Shipyard, Broklyn 1, N.Y.

 JACKSDN, FREDERICK R., JR. (SM'53), Mem. Tech.
 Staff, 8ell Tel. Labs., Whippany, N.J.

 JACKSON, FREDERICK S. (M'56), Sr. Oesign Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 JACKSON, GENE L. (S'56-A'57), Instr., Elec. Engrg., Univ. of Denver, Denver 10, Colo.

 JACKSON, GLENN A. (M'57), Instr., Elec. Engrg., Univ. of Denver, Denver 10, Colo.

 JACKSON, HAGAN L. (M'45-SM'55), Mgr., Radar
 Equipment Engrg., Westinghouse Elec. Corp., 2519

 Wilkens Ave., Baltimore 27, Md.

 JACKSON, HERBERT W. (J'4D-A'41-M'46-SM'52), Head,
 Electronic Technology Dent., Ryerson Institute of Technology,
 SD Gould St., Toronto 2, Ont., Canada.

 JACKSON, HOWARD H. (A'50), Engr., Radio Receptor
 Corp., SI N. 4 St., Brooklyn, N.Y.

 JACKSON, HOWARD J. (S'46-A'49-S'50-A'51), Staff Mem.,
 Sandia Corp., Sandia Base, Albueuerque, N.M.

 JACKSON, I. SCOTT (A'58), Asst. Dir., Scott Engr.,
 Co., Easton, Pa.

- JACKSON, J. E. (A'41-SM'48), Mgr., Planning & Services, Engrg. Dept., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P. Q., Canada,
- JACKSON, JAMES A. (M'57), Project Engr., Bendix Aviation, 11600 Sherman Way, North Hollywood, Calif. JACKSON, JAMES C. (A'53), Electronics Engr., Convair, Pomona, Calif.
- Pomona, Calif.

 JACKSDN, JAMES C. (M'56), Sr. Electronics Systems Engr.,
 Lockheed Aircraft Corp., South Cobb Dr., Marietta, Ga.

 JACKSDN, JAMES E. (A'4B-M'55), Foreman, Finished Tube
 quality Control, GE Co., 316 E. 9 St., Owensboro, Ky.

 JACKSDN, JAMES H. (S'55-M'57), Asst. Project Engr.,
 Bendix Radio Div., Towson 4, Md.

 JACKSON, JAMES H. (A'46-M'53), Assoc. Dean, Electronics
 Engra., Oklahoma City Univ., 25D1 N. Blackwelder, Oklahoma City 3, Oklah

- homa City 3, Okla.

 JACKSON, JAMES R. (S'56-M'57), Engr., McDonnell Aircraft Corp., St. Louis, Mo.

 JACKSON, JESSE J. (S'52-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Tucson, Ariz.

 JACKSON, JOYCE J. (S'40-A'42), Field Engr., RCA, 1154
 Merchandise Mart, Chicago, III.

 JACKSON, KENNETH A. (SM'52), Prod. Mgr., Electronic
 Tube Plant, Canadian Marconi Co., 90 Trenton Ave.,
 Mortreal, P. Q. Canada.

 JACKSON, KENNETH J. (S'51-A'52-M'57), Electronics
 Engr., Lockheed Missiles & Space Div., Box 4097, Patrick
 AFB, Fla.

 JACKSON, KENNETH R. (M'44-SME4A) D. C.
- ACKSON, KENNETH R. (M'46-SM'54), Dir., Engrg., Waugh Engrg. Co., 7842 Burnet Ave., Van Nuys, Calif. JACKSON, LESTER J. (M'54), USAF, Commander 3380 A&E Maint. Sqdn., Home: 469 Kensington Dr.,
- JACKSON, LESTER J. (M'54), USAF, Commander 3380 A&E Maint. Sadn., Home: 469 Kensington Dr., Biloxi, Miss.

 JACKSON, MARIAN O. (S'49-A'51), Test Engr., Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles 7, Calli. JACKSON, MAX H. (M'5B), Instr., Engrg., FAA, Will Rogers Field, Oklahoma City, Okla.

 JACKSON, MELVIN L. (M'56), V.P., Mktg., CGS Labs., Rte. 7, Ridgefield, Conn.

 JACKSON, MILTON L. (A'52-M'57), Service Engr., CEC Instruments, Inc., 3200 Maple Ave., Dallas, Tex.

 JACKSON, N. BURLEIGH (A'50-M'56), Communication & Control, Public Whilities Commission, Wellington & Dundas St., London, Ont., Canada.

 JACKSON, PETER F. B. (S'57-M'58), Asst. Engr., York Township Hydro System, 1652 Keele St., Toronto 18, Ont., Canada.

 JACKSON, PHILIP W. (A'52-M'57), Mgr., Engrg., Special

- Township Hydro System, 1652 Keele St., Toronto 18, Ont., Canada.

 JACKSON, PHILIP W. (A'52-M'57), Mgr., Engrg., Special Prods. Div., IBM, Poughkeepsie, N.Y.

 JACKSON, RAY W. (M'54), Assoc. Research Dir., RCA Victor Co., Ltd., 1001 Lenoir, Montreal 30, P.Q., Canada.

 JACKSON, RICHARD B. (S'556-A'57), Engra, Asst., 8ell Tel. Labs., 393 University Ave., Toronto, Ont., Canada.

 JACKSON, RICHARD H. (S'58), Electronics Engr., Convair-Astronautics, Patrick AFB, Fla.

 JACKSON, ROBERT C. (M'55), Studio Supvr., WSVA-TV, Rawley Pike, Harrisonburg, Va.

 JACKSON, ROBERT O. (M'56), Mem. Tech. Staff, Tasker instruments Coro., 3349 Cahuenga Blvd., Hollywood, Calif.

 JACKSON, ROBERT W. (A'54), Elec. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 JACKSON, ROBERT W. (A'51), Owner, Robert W. Jackson Co., 4446 Main St., Buffalo 26, N.Y.

 JACKSON, ROBERT W. (S'57), 6839 S. Ridge Dr., Dallas 14, Tex.

 JACKSON, SGLENN (S'55-M'56), Process Engr., GE

- 14, Tex.

 JACKSON, S. GLENN (S'55-M'56), Process Engr., GE
 Co., Owensboro, Ky.

 JACKSON, SAMUEL R. (A'47-M'55), Tube Engr., Raytheon
 M/g. Co., Waltham 54, Mass.

 JACKSON, STUART P. (A'59), Research Engr., Power
 Equipment Co., Beechwold Si., Box 3556, Columbus, Ohio.

 JACKSON, T. BURR (SM'55), Head, Applications Branch,
 Instrumentation Oiv., Naval Ordnance Lab., Corona, Calif.

 JACKSON, THOMAS R. (A'54), Sr. Mathematician, Southwest Research Institute, 850D Culebro Rd., San Antonio, Tex.

 JACKSON, THOMAS T. (A'49-SM'55), Engrg. Sect. Head,
 Sperry Gyroscope Co., Great Neck L.1., N Y.

 JACKSON, WARREN, JR. (S'47-A'48-M'55), Sr. Tech.
 Specialist, Standard Dil Co., Midland Bidg., Cleveland
 15, Ohio.

 JACKSON, WARREN E. (A'53-M'58), Chief Engr., Arthur

- Specialist, Standard DII Co., Midland Bidg., Cleveland 15., Ohio.

 JACKSON, WARREN E. (A'53-M'58), Chief Engr., Arthur C. Ruge Associates, Inc., Hudson, N.H.

 JACKSON, WELDON H. (S'53-A'55-M'55), Mem. Tech. Staff, 8ell Tel. Labs., Murray HII, N.J.

 JACKSON, WESLEY E. (M'59), Planning Engr., Western Electric Co., 22D Church St., New York 13, N.Y.

 JACKSON, WILBUR C. (S'36-SM'46), Engr., Services Mgr., Motorola, Inc., 4545 W. Augusta Bivd., Chicago 51, III.

 JACKSON, WILLIAM D. (A'56-SM'58), Asst. Prof., Elec. Engr., MIT, Cambridge 39, Mass.

 JACKSON, WILLIAM C. (S'57-M'59), Branch Mgr., Northwest Radio, 1010 W. Washington St., Marquette, Mich.

 JACKSON, WILLIAM J. (SM'56), Chief Engr., KENS-TV KENS-Radio, Express Publishing Co., Ave. E at 4 St., San Antonio, Tex.

 JACKSON, WILLIAM K. (M'57), Chief Design Engr.,
- JACKSDN, WILLIAM K. (M'57), Chief Design Engr., Electrographic Mfg. Co., 39 N. 1D St., Philadelphia 7, Pa.
- JACKSDN, WILLIAM R. (SM'56), Sr. Research Engr., Vickers Group Research Est., Vickers Armstrongs, Ltd., Weybridge, Surrey, England.

- Weybridge, Surrey, England.

 JACKSDN, WILLIS (SM'48-F'5D), DIr., Research & Education, Metropolitan Vickers Electric Co., Ltd., Trafford Park, 33 Grosvenor PI., London S.W. 1, England.

 JACKSDN, WINTHROP E. (M'58), Project Engr., Cannon Electric Co., Plingree & Leavitt Sis., Salem, Mass.

 JACOB, DON M. (SM'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 JACOB, FRED (A'49-M'55), Patent Atty., 24 School St., 8oston 8, Mass.

 JACOB, FREDERIC C. (S'48-A'49-M'55), Assoc. Agricultural Engr., Agricultural Engr., Det., Univ. of Califonia, Davis, Calif.
- JACOB, FREDERICK N. (A'31-VA'39-SM'49), V.P., Electro Assemblies, Inc., 4444 N. Kedzie Ave., Chicago 25,

JAC-JAM - 231 -

- JACOB, GERALD W. (M'52), Engrg. Sect. Head, Naval Radar, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 JACOB, KENNETH C. (A'59), Tantalum Design Engr., Electronic Fabrications, 682 Broadway, New York, N.Y.
 JACOB, MARK I. (A'45-M'45-SM'54), Sect. Mgr., Electronics Div., Westinghouse Elec. Corp., Box 1897,
 Baltimore 3, Md.
- Baltimore 3, Md.

 JACOB, WILLIAM P. (M'43), Mgr., Engrg. Dept., IBM,
 590 Madison Ave., New York, N.Y.

 JACOBELLIS, BENEDICT R. (M'57), Asst. Chief, Long Range
 Plans, Systems Planning Div., Army Communication Services
 Div., Office of Chief Signal Officer, Washington 25, D.C.

- Div., Office of Chief Signal Officer, Washington 25, D.C. JACOBI, GEORGE T. (J'41-A'42-SM'55), Mgr., Special Projects Engrg., GE Co., Phoenix, Arlz. JACOBI, RICHARD J. (A'51-M'56), Electronic Engr., Sanders Associates, Inc., Nashua, N.H., JACOBI, THOMAS E. (M'55), Advanced Dev. Engr., AC Spark Plug Div., Milwaukee 1, Wis. JACOBI, WILLIAM J. (S'46-A'50-M'55), Dir., Advanced Systems Engrg., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 JACOBOWITZ, HERMAN (S'50-A'53-M'5B), Engrg. Specialist, Philos Corp., 4700 Wissahickon Ave., Philadelphia, Pa.
- JACOBS, ALWYN J. (A'45-M'46), Commercial Mgr., Standard Telephone & Cables, Ltd., Box 46B7, Johannesburg, South Africa.
- JACOBS, ALGIA (M'54), Project Engr., Crosley Div., Avco Mfg. Corp., 1329 Artington City, N. P., Dir., Research, Corp., 1329 Artington St., Clanination City, Avco Mfg. Corp., 1329 Artington St., Claninati, Ohio. JACOBS, BEN (A'56), V.P., American Elite, Inc., 4B-50 34 St., Long Island City I. N.Y.

 JACOBS, BERNARD (M'56), V.P., Dir., Research, Genl. Transistor Corp., B7-11 130 St., Jamaica, L. I., N. Y.

 JACOBS, BERNARD H. (S'4B-A'54-M'56), Engr., New York Telephone Co., 140 West St., New York 7, N. Y.

 JACOBS, BERTRAMS N. (M'47), Sr. Engr., Advanced Industries, 640 Memorial Dr., Cambridge 39, Mass.

 IACOBS, C IEFFERY (M'58), Bowles, Andrews & Towne, Consulting Actuaries, 1389 Peachtree St., N. E., Atlanta

 JACOBS, CHARLES E., JR. (A'51-M'52).

- 9, Ga.
 JACOBS, CHARLES E., JR. (A'51-M'52), Sect. Head,
 Sylvania Elec. Prods., Inc., Waltham, Mass.
 JACOBS, DAVID M. (S'54-A'55), Electronic Scientist,
 New York Naval Shipyard, Brooklyn 1, N. Y.
 JACOBS, EDDY L. (S'57-M'59), Elec. Engr., Sandia
 Corp., Sandia Base, Albuquerque, N. M.
 JACOBS, ERNEST (A'54), Research Assoc., Moore School of
 Elec. Engr., Univ. of Pennsylvania, 200 S. 33 St.,
 Philadelphia 4, Pa.
- Philadelphia 4, Pa.

 JACOBS, FRANK (A'31-SM'54), Project Engr., Specialty Engrg. & Electric Co., 79 Clifton Pl., Brooklyn, N. Y.

 JACOBS, GEORGE (S'48-A'51-SM'54), Supv. Electronics Engr., Chief, Central Frequency Div., U. S. Information Agency, Broadcasting Service, 330 Independence Ave., S. W., Washington 25, D. C.

 JACOBS, GEORGE G. (A'50), Dir., Engrg., Corinthian Broadcasting Corp., 302 S. Frankfort, Tulsa, Okla.

 JACOBS, GEORGE W. (A'41-M'47), Dev. Engr., ITT Labs., Nutley 10, N. J.

 JACOBS, GORONN R. (AJ44-MUSE CAUSE)
- JACOBS, GOROON B. (A'46-M'55-SM'57), Electronics
- JACOBS, GOROON B. (A'46-M'55-SM'57), Electronics Engr., GE Co., Syracuse, N. Y. JACOBS, HAROLD L. (A'54), Plant Mgr., Laminated Fa-bricators, 1145 San Mateo Ave., San Bruno, Calif. JACOBS, HAROLD M. (S'51-A'52-M'57), Design Engr., Aerojet-Genl. Corp., 6352 N. Irwindale Ave., Azusa,
- JACOBS, HARRY N. (M'45), Chief Engr., American Broad-casting Co., 277 Golden Gate Ave., San Francisco 2, Calif.
- JACOBS, IRA (M'57), Mem. Tech. Staff, Bell Tel. Labs.,
- JACOBS, IRA (M:27), Mem. 1etan. star., Schement Engr., GE Co., 2151 S. 1st St., San Jose, Calif.

 JACOBS, IVAN M. (S'44-A'46-M'52), Instrument Engr., GE Co., 2151 S. 1st St., San Jose, Calif.

 JACOBS, JEROME E. (S'48-A'52-M'57-SM'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 JACOBS, JOHN, JR. (S'56-M'58), Physicist, Motorola Research, B330 Indiana Ave., Riverside, Calif.
- JACOBS, JOHN E. (S'47-A'50-M'55), Mgr., Advanced Engrg. Lab., GE Co., 4855 Electric Ave., Milwaukee Engrg . L 14, Wis
- 14, Wis.

 JACOBS, LEONARD (M'57), Mgr., Design Support Engrg.,
 RCA, Missile & Surface Radar Dept., Moorestown, N.J.

 JACOBS, MARVIN (S'51-A'51-M'56), Design & Dev. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y,
 JACOBS, MARVIC (A'39-M'44-SM'45), Chief, New ProJects Office, Electronic Support Systems, Air Research &
 Development Command, Det. 1, Wright-Patterson AFB, Ohio.

 JACOBS, MERTON A. (A'53-M'59), Sr. Project Engr.,
 AC Spark Plug Div., 1925 E. Kenliworth, Milwaukee,
 Wis.

 JACOBS, OLIVER B. (A'42-MISS)

- JACOBS, OLIVER B. (A'42-M'55), Consultant, Bell Tel. Labs., Whippany, N. J. JACOBS, RICHARO M. (M'56), Head, Reliability Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass. JACOBS, THOMAS E. (M'5B), Elec. Engr., GE Co., Syra-cuse, N. Y.
- JACOBS, YALE (A'50-SM'55), Chief, Electro-Mech. Branch, Electronic Components Lab., Wright-Patterson AFB, Ohlo.
- JACOBSEN, ANDREW B. (S'40-A'42-M'47-SM'52), Sr. Staff Engr., Transistor Applications, Motorola, Inc., 8201 E. McDowell, Phoenix, Ariz.
- JACOBSEN, ELWOOD L. (S'55-M'56), 515 S.E. Delaware, Minneapolis 14, Minn.
- ware, Minneapolis 14, Minn.
 JACOBSEN, GERALD C. (S'56-M'57), Engr., Ampex Corp.,
 934 Charter St., Redwood City, Calif.
 JACOBSEN, H. JAMES (S'55-M'57), Assoc. Engr., IBM,
 Rochester, Minn.
 JACOBSEN, HENNING V. (A'46-M'46), Chief Engr.,
 Hellesens Enke & Ludvijsen, Ltd., 6 Aldersrogade,
 Copenhagen, Denmark.
- Copenhagen, Denmark.

 JACOBSEN, J. (4¹42), Projection Supvr., Balaban & Katz
 Corp., 177 N. State, Chicago 1, III.

 JACOBSEN, THEODORE L. (M¹54), Field Sales Mgr.,
 Radiomarine Sales, RCA, 75 Varick St., New York,
 N. Y.

- JACOBSMEYER, HAROLD T. (M'52-SM'57), Head, Radar Electronics Sect., Emerson Electric Mfg. Co., 8100 Flor-issant, St. Louis 21, Mo.

- issant, St. Louis 21, Mo.

 JACOBSOHN, DAVID H. (A 53-M'5B), Sr. Computer Engr., Institute for Computer Research, Univ. of Chicago, 5630
 Ellis Ave., Chicago 17, Ill.

 JACOBSON, ALEXANDER D. (M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.

 JACOBSON, ARTHUR J. (M'5B), Project Engr., Magnavox Co., Ft. Wayne, Ind.

 JACOBSON, BERTIL (A'57), Asst. Prof., Medical Electronics, Dept. of Chemistry, Karolinska Institute, Stockholm

 JACOBSON, FILMIP J. (A'47-MES).
- DU, Sweden.

 JACOBSON, ELIHU R. (A'47-M'55), Pres., Aircraft Radio Industries, Inc. B5 St. John St., New Haven 11,
- Conn.
 JACOBSON, ERLAND H. (M'5B), Electronics Specialist,
 Brookley AFB, Mobile, Ala.
 JACOBSON, HERBERT P., JR. (S'47-A'49-SM'55), Equipment Design Engr., Radio Sta., HCJB, Casilla 691, Quito,
 Ecuador, South America.

- Ecuador, South America.

 JACOBSON, ISRAEL J. (A'52-M'57), Electronics Engr.,
 GE Co., Syracuse, N.Y.

 JACOBSON, JESSE (M'57), Teacher, RCA Institutes, 350
 W. 4 St., New York, N.Y.

 JACOBSON, LARRY (A'41-M'55), Owner, Kady Camera
 Co. & Camera Gazette Publishing Co., 3211 N. Central
 Ave., Chicago 25, III.
- AVE., Unicago 25, III.

 JACOBSON, LEO (A'44-M'55), Pres., Leo Jacobson Co., Inc., Buffalo, N.Y.

 JACOBSON, LEO J. (M'51), Chief Engr., Philadelphia Plant, Internati. Resistance Co., 401 N. Broad St., Philadelphia B, Pa.
- JACOBSON, NORMAN (M'56), Pres., Elsin Electronics Corp., Eileen Way, Syosset, L.I., N.Y. JACOBSON, NORMAN (A'46-M'55), Exec. V.P., Fede Television Corp., 19-10-23 Ter., Long Island City 5

- N.Y.

 JACOBSON, ORLIN M. (M'56), Sr. Dynamics Engr., Convair, Pomona, Calif.

 JACOBSON, RAYMOND E. (M'56-SM'59), Dir., Mktg., Thompson-Ramo-Wooldridge Prods. Co., 6ox 45067, Lus Angeles 45, Calif.

- Angeles 45, Calif.

 JACOBSON, ROBERT E., JR. (M'49-SM'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 JACOBSON, ROBERT E., JR. (M'49-SM'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 JACOBSON, ROBERT E. (S'55-M'57), Elec. Engr., Tech. Research Group, Inc., 9 Union Sq., Somerville, Mass.

 JACOBSON, ROBERT I. (SM'53), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 JACOBSON, ROBERT S. (A'49-M'55-SM'56), Mem. Tech. Staff, Institute for Defense Analysis, The Pentagon, Washington 25, D.C.

 JACOBSON, RONNIE (A'52-M'54-SM'57), Sr. Electronics Engr., Clead Engr., Fit. Test), Convair, San Diego 12, Calif.

 JACOBSON. SAVA W. (A'52-M'57), Cleaf To. Calif.
- Calif.

 JACOBSON, SAVA W. (A'52-M'57), Chief TV Engr., Pacific
 Mercury Television Mfg. Corp., Sepulveda, Calif.

 JACOBUS, H. RAYMOND (SM'46), Mgr., Tung-Sol Electric,
 Inc., Washington, N.J.

 JACOBUS, LEWIS A., JR. (S'57-M'58), Design Engr.,
 RCA, Somerville, N.J. (ESP. ALSO), Electropics Toch

- RCA, Somerville, N.J.

 JACOBUS, REEVE G. (S'5B-A'59), Electronics Technician, GE Co., Box 666, Cocoa, Fla.

 JACOBUS, WILLIAM M. (S'50-A'51), Dev. Engr., ITT Labs., Nutley 10, N.J.

 JACOBUS, WILLIAM M. (S'50-A'51), Dev. Engr., ITT Labs., Nutley 10, N.J.

 JACOBY, ALBERT (A'53), Lt. Col., Royal Australian Corps of Signals, Australian Army Hors., "G" Block, Victoria Barracks, Melbourne, Australia.

 JACOBY, DONALD L. (M'46), Deputy Dir., Astro-Electronics Div., U. S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.

 JACOBY, GEORGE R. (A'53-M'57), Sales Foor, Departure.

- Div., U. S. Army Signal Research & Development Labs., Ft. Monmouth, N. J.

 JACOBY, GEORGE R. (A'53-M'57), Sales Engr., Dannemiller Associates, 3955 Lee Rd., Cleveland 28, Ohio.

 JACOBY, MARVIN (M'57), Debt. Mgr., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia 29, Pa. JACOBY, MAURICE C. (S'55-M'56), Engr., GE Co., Patrick AFB, Fla.

 JACOBY, NORMAN (S'48-A'50-M'56), Staff Suovr., Electronic Services Dept., Sperry-Rand Corp., 1900 W. Allegheny Ave., Philadelphia, Pa.

 JACOCKS, THOMAS B. (A'36-VA'39-SM'53), Special Rep., GE Co., 777 14 St., N. W., Washington 5, D. C.

 JACOMB, RONALD A. (M'5B), Dev. Engr., Raytheon Mfg. Co., Newton, Mass.

 JACOMINI, OMAR J. (A'52-M'57), Sect. Mgr., Advanced Dev., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 JACOUES, GEORGE E. (A'52-SM'58), Sr. Project Engr.,
- JACQUES, GEORGE E. (A'52-SM'58), Sr. Project Engr., Thompson-Ramo-Wooldridge, Inc., 2196 Clarkwood Rd., Cleveland 3, Dhio.
- Cieveiand 3, Dhio.

 JACQUETTE, JAMES H. (S'57-M'59), Engr., Hazeltine Corp., 136 Haven Ave., Port Washington, L.I., N.Y.

 JADERHOLM, HENRY W. (A'31-VA'39), Research Engr., Canadian Marconi Co., 2442 Trenton, Montreal 16, P.Q., Canada.
- P.Q., Canada.

 JAEDICKE, EUGENE R. (S'48-A'51-M'56), Engr., Bendix Aviation Corp., Box 1159, Kansas City, Mo.

 JAEGER, JOHN H. (A'43-M'46-SM'53), Equipment Engr., Ohio Bell Tel. Co., 221 N. Fromt St., Columbus 15, Ohio JAEGER, MARTIN (A'47-M'55), Electronics Engr., Rome Air Development Center, Griffits AFB, N.Y.

 JAEGER, ROBERT P. (SM'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 JAEGER, TYCHO C. (A'58), Research Engr., Norweglan Research Est., Div. of Telecommunication, Kjeller, Lillestrom, Norway.

 JAENKE, MARTIN G. (A'54), Electronics Scientist. Air

- Lillestrom, Norway.

 JAENKE, MARTIN G. (A'54), Electronics Scientist, Air Force Missile Development Center, Holloman AFB, N.M.
 JAFFE, ALBERT P. (A'55-M'57), Project Engr., Westinghouse Elec. Corp., Melbourne, Fla., JAFFE, BURTON (S'53-A'54), Electronics Engr., Bendix Aviation Corp., South Bend 20, Ind.
 JAFFE, D. LAWRENCE (A'37-SM'46), Pres., Polarad Electronics Corp., 43-20, 34-51., Long Island City, N.Y.
 JAFFE, GUREPT, JAMES D. D. JAFFE, D. JAFFE, GUREPT, JAMES D. D. JAFFE, GUREPT, JAMES D. D. JAFFE, D. JAFFE, GUREPT, JAMES D. D. JAFFE, GUREPT, JAMES D. D. JAFFE, D. JAFFE

- JAFFE, GILBERT (M'58), Dir., Instrumentation Div., USN Hydrographic Office, Washington 25, D.C.

- JAFFE, HANS (SM'53), Dir., Electronic Research, Elec-tronic Research Div., Clevite Corp., 540 E. 105 St., Cleveland 8, Ohio.

- tronic Research Div., Clevite Corp., 540 E. 105 St., Cleveland 8, Ohio.
 JAFFE, HERBERT (M'55), Mathematician, Republic Aviation Corp., Farmingdale, L.I., N.Y.
 JAFFE, JEROME S. (S'47-A'49-M'55), Div. Mgr., Cascade Research Div., Monogram Precision Industries, Inc., 5245
 San Fernando Rd., W., Los Angeles 39, Calif.
 JAGER, ANDREW J. (A'56), Partner, Jager's TV & Appliance Store, 77B1 S. Division, Grand Rapids, Mich.
 JAGER, ANDREW J. (A'56), Partner, Jager's TV & Appliance Store, 77B1 S. Division, Grand Rapids, Mich.
 JAGER, CHARLES E. (A'52-M'56), Design Engr., Canadian GE Co., 830 Lansdowne Ave., Toronto, Ont., Canada.
 JAGODOWSKI, STANLEY J. (S'56-M'57), Design Engr., Canadian CE Co., 830 Lansdowne Ave., Toronto, Ont., Canada.
 JAGODOWSKI, STANLEY J. (S'56-M'57), Design Engr., Airborne Instruments Lab., 160 Old Country Rd.,
 Mineola, L.I., N.Y.
 JAGOE, ROBERT W. (S'49-A'50-M'55), Sect. Head, Sperry
 Gyroscope Co., Garden City, L.I., N.Y.
 JAHN, JALE M. (S'43-A'45-M'55). Enorg. Sect. Head
- Union, N.J.
 JAHN, DALE M. (S'43-A'45-M'55), Engrg. Sect. Head,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 JAHN, ROBERT C. (M'59), Electronics Engr., Smyth Research Associates, 3555 Aero Ct., San Diego 11, Calif.
 JAHNS, EDWARD R. (SM'57), Chief Electronics Engr.,
 Hoffman Radio Div. 6200 S. Avalon Blvd., Los Angeles
 3, Calif.
- JAHODA, JOSEPH R. (S'50-A'51-M'54-SM'58), Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

- Va.

 JAHR, EDGAR F. (M'52), Engr. Services Mgr., ARINC Research Corp., 1700 K St., Washington, D.C.

 JAIN, JINESHWAR D. (S'57-M'5B), Central Electronics Engr., Research Institute, Pilani, Rajasthan, India.

 JAIN, PURUSHOTTAM L. (S'47-A'49-M'5B), Radio Engr., Directorate of Social Welfare, Indore (M.P.), India.

 JAKACKI, WALLACE B. (S'55-M'5B), Dev. Engr., Leeds & Northrup, 4901 Stenton Ave., Philadelphia 44, Pa.

 JAKES, WILLIAM C., JR. (S'43-A'49-SM'53), Mem.
 Tech. Staff, Bell. Tel. Labs., Holmdel, N.J.

 JAKLISKOF, FREDERICK J. (M'50), 20 Ridyefiald Rd., Lutherville, Md.

 JAKOBSONS, ARNIS (S'56-A'59), Electronics Engrg., Technician 'A', Motorola, Inc., 9401 W. Grand Ave., Franklin Park, Ill.

 JAKOMATZ, CHARLES V. (A'45-M'55), Research Assoc.,

- Franklin Park, III.

 JAKOWATZ, CHARLES V. (A'45-M'55), Research Assoc., Research Lab., GE Co., Box 10BB, Schenectady, N.Y.
 JAKSTYS, VITO J. (S'56-M'59), Jr. Engr., Philoc Corn., Western Development Lab., Palo Alto, Callf.

 JAKUB, JOSEPH J. (A'52-M'57), Field Engr., Stavid Engr., Inc., Rte. 22, Plainfield, N.J.

 JAKUBOWSKI, MARJAN C. (S'44-A'48-M'55), Research Specialist, Lockheed Missile & Space Div., Palo Alto, Callf.

- Callf.

 JAKUS, LYLE A. (SM'54), Dir., Dayton Operations, BoozAllen Applied Research, Inc., 40B W. Main St., Fairborn,
 Ohio.
- Ohio.
 JALAJAS, ARVO A. (M'5B), Application Engr., RCA,
 Harrison, N.J.
 JALLEN, GALE A. (S'52-A'53), Electronics Engr., Remington Rand Univac, 2750 W. 7 Bivd., St. Paul 16, Minn.
 JALLU, FRANK M. (M'57), Suovr., Clectronics Engr.,
 Resident Industrial Mgr., U. S. Naval Sta., San Diego 36,

- Calif.

 JAMBA, DOUGLAS M. (M'59), Unit Supvr. II, Reaction Motors Div., Thiokof Chemical, Denville, N.J.

 JAMES, ALLAN V. (A'54), Design Engr., Polytechnic Research & Dev. Co., 202 Tillary St., Brooklyn T, N.Y.

 JAMES, BERNARD B. (A'55), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.

 JAMES, CLAIRE L. (S'4B-A'50-M'55), Project Engr., Eastman Kodak Co., 20 Ave. E., Rochester 4, N.Y.

 JAMES, CLIFFORD L. (A'39), Tech. Assoc., Westinghouse Elec. Com., Box 746, Baltimore 3, Md.

 JAMES, DENNIS B. (M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 JAMES, DONALD B. (S'56-M'5B), 1236 S. Gary, Tulsa, Okla.

- JAMES, DWIGHT C. (S'44-M'55-SM'57), Engr., Martin

- OKIA.

 JAMES, DWIGHT C. (S'44-M'55-SM'57), Engr., Martin Co., Denver, Colo.

 JAMES, EVERETT'A. (A'46-M'55), Research Asst., Hughes Aircraft Co., Culver City, Callf.

 JAMES, FESTUS B. (S'56-M'57), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 JAMES, FRANCIS M. (M'45), Sect. Engr., Sparton Corp., 2400 E. Ganson, Jackson, Mich.

 JAMES, FRANK E. (A'52-M'58), Contract Administrator, Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.

 JAMES, FRED L. (A'51), Electronics Maint. Technician, FAA, 6172 May Way, Honolulu, Hawaii.

 JAMES, GEORGE C. (S'49-A'50'M'55), Chief, Electronic Components Research Staff, U. S., Army Signal Research & Development Lab., 75 S. Grand Ave., Pasadena, Callf.

 JAMES, GEORGE C. (S'40-A'42-M'55-SM'56), Staff Mem., Weapons Systems Evaluation Group, Institute for Defense Analyses, The Pentagon, Washington 25, D.C.

 JAMES, GEORGE W. (M'45), Field Engr., Burlingane Associates, Ltd., 510 S. Fulton Ave., Mt. Vernon, N.Y.

 JAMES, HARRY C. (SM'55), Mem. Tech. Staff, Bell Tel. Labs., Burlington, N.C.

 JAMES, IvanHoe J. P. (SM'58), 40 Julien Rd., South Ealing, London W5, England.

 JAMES, JAMES L. (S'47-A'50-M'56), Engr., The Johns Hookles Italy. Silver Sorina Md.

- Ealing, London W5, England.

 JAMES, JAMES L. (S'47-A'50-M'56), Engr., The Johns Hopkins Univ., Silver Spring, Md.

 JAMES, JESSE C. (S'58-M'59), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 JAMES, JOSEPH E. (M'55), Field Engr., Emerson Radio & Phonograph Co., 1140 East-West Hwy., Silver Spring, Md. JAMES, PHILIP G., JR. (A'50), Police Radio Techniclan, Brockton Police Dept., E. Elm St., Brockton, Mass.

 JAMES, RALPH F. (S'57-M'59), Jr. Engr., IBM, Endicott, N,Y.
- N.Y.

 JAMES, RAYMOND M. (M'57), Engr., Societe de Prospec-tion Electrique, 42-Rue, St. Dominque, Paris, France.

- JAMES, RICHARD B. (S'52-A'54-M'5B), Mfg. Engr., Westinghouse Elec. Corp., 300 Phillippi Rd., Columbus Ohio.
- JAMES, ROBERT A. (A'57), Special Tester, AC Spark Plug, 1925 E. Kenilworth, Milwaukee 2, Wis.
- JAMES , ROBERT T. (M'59), Engr., Westinghouse Elec. Corp., Box 28B, Kansas City, Mo.

- Corp., Box 28B, Kansas City, Mo.

 JAMES, ROY L. (M'47-SM'53), Electronics, WrightPatterson AFB, Ohlo.

 JAMES, SAMUEL D. (S'40-A'44-SM'56), Engr., AT&T Co.,
 195 Broadway, New York 7, N. Y.

 JAMES, THOMAS W. (A'45-M'52), Transmitter Supvr.,
 Audio Maint., KPOJ, Inc., 1019 S.W., 10 Ave., Portland 7, Ore.

 JAMES, VIR N. (J'30-S'33-A'35-SM'44), Radio Engrg.
 Consultant, 1316 S. Kearney St., Denver 22, Colo.

 JAMES, WALLACE M. (A'29-M'40-SM'43), Administrator,
 Prod. Design & Advanced Dev. Tube Div., RCA, Harrison,
 N.J.
- JAMES, WILBUR G. (S'50-A'53-SM'53), Asst. Mgr., Electronics Dept., American Machine & Foundry, 1025 N. Royal St., Alexandria, Va.

- Royal St., Alexandria, Va.

 JAMES, WILLIAM E. (M'5D), Instr., Ryerson Institute of
 Technology, 50 Gould St., Toronto, Ont., Canada.

 JAMESON, CLAUDE J. (S'58-M'59), Electronics Engr.,
 Convair, Pomona, Calif.

 JAMESON, DONALD C. (SM'58), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

 JAMESON, JOE P. (A'52-M'57), Sr., Project Engr., Electronics Design, Electrodynamic Instrument Corp., 2508
 Tangley Rd., Houston 5, Tex.

- langley Rd., Houston 5, Tex.

 JAMESON, WILBUR B. (A'53), Transmitter Supvr., The Ohio Broadcasting Co., Canton 2, Ohio.

 JAMGOCHIAN, EDWARD M. (SM'56), Sr. Engr., Avco Mfg. Com., 201 Lowell St., Wilmington, Mass.

 JAMIESON, FRASER C. (A'47-M'55), Genl. Mgr., London Records of Canada, Lrd., 736 Wellington St., Montreal, P.Q., Canada.
- JAMIESON, HUGH W. (A'42-M'45-SM'50), Owner, Jamieson Labs., 2200 Colorado Ave., Santa Monica, Calif.
- Calif.

 JAMIESON, J. BURGESS, JR. (M'58), Engrg. Mgr.,
 ADAGE, Inc., 292 Main St., Cambridge 42, Mass.

 JAMIESON, JOHN A. (S'55-M'57), Sr. Engr., Head
 Detector Systems Analysis, Avionics Div., Aerojet Genl.
 Corp., Azusa, Calif.

 JAMIESON, ROBERT T. (S'47-A'50-M'54), Applied
 Science Rep., IBM (SA), Ltd., Box 1419, Johannesburg, South Africa.
- JAMISON, ARTHUR F. (S'52-A'53-M'58), Transmission Analyst, Southern New England Telephone Co., Church St., New Haven, Conn.
- JAMISON, HAL M. (A'57), Tech. Asst., Bell Tel. Labs., Murray Hill, N.J.
- JAMISON, J. W., JR. (A'45-M'55), Specification Engr., Glifillan Bros., 1815 Venice Blvd., Los Angeles 6, Calif.
- & Industrial Div., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- JAMISON, RICHARD S. (S'54-A'55), Mem. Tech. Staff, Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
- Lair. JAMISON, RUSSLIN P. (S'56-A'5B), Elec. Engr., Ortho Filter Corp., 198 Albion Ave., Paterson 2, N.J. JAMROZ, ANTHONY (S'52-A'53-M'54), Dev. Engr., North-em Electric Co., Ltd., Belleville, Ont., Canada.
- AMSHEDJI, JIM S. (A'51-M'56), Prod. Engr., Sperry Gyroscope Co. of Canada, Ltd., 6011 Cote de Liesse Rd., Montreal, P.Q., Canada.
- JANDA, ELDON G. (A'51), Civillan Supvr., Microwave Sect., U. S. ACAN Sta., Hawaii, Box 364, Wahiawa, Oahu, Hawaii.
- Uahu, Hawaii.
 JANDA, FRANK J., JR. (A'55), Test Dept. Mgr., Electro
 Mechanical Research Co., Box 3041, Sarasota, Fla.
 JANDOLI, LOUIS R. (M'55), Elec. Engr., Q. V. S.,
 Inc., 20 N. 15 St., East Orange, N. J.
 JANEGA, JOHN J. (M'55), Electronics Technician, (Marine),
 Canadian Marconi Co., 141 Comwallis St., Sydney, N.S.,
 Canada.

- Canadian Marconi Co., 141 Comwallis St., Sydney, N.S., Canada.

 JANEIRA, ANTHONY J. (S'57-M'58), Elec. Engr., Hughes Aircraft Co., El Segundo, Calif.

 JANER, RICHARD (M'53), Project Administrator, USAF, Air Force Ballistic Missile Div., Los Angeles 45, Calif. JANES, ALLYN W. (A'34-M'55), Sales Engr., Gawler-Knoop Co., 178 Eagle Rock Ave., Roseland, N.J. JANES, CLINTON W. (1'26-A'38-SM'45), Col., U.S. Army, Lialson Officer, MIT Lincoln Lab., Box 73, Lexington, Mass.

 JANES, HARRIS B. (M'53), Physicist, (radio), Natl. Bureau of Standards, Boulder Labs., Boulder, Colo. JANES, HUGH P., JR. (S'56-M'57), Research Engr., Boeing Airplane Co.. Seattle 14, Wash.
 JANES, MOBERT B. (A'37-M'50-SM'51-F'55), Mgr., Industrial Dev., RCA, Somerville, N.J.
 JANEWAY, ROBERT K. (S'49-A'52-M'57), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. JANEWAY, WILLIAM F. (M'55), Chief, Design & Dev. Sect., American Missile Prods., 15233 Grevillea Ave., Lawndale, Calif.

- Amierican Missile Prods., 13235 Useviliea Ave., Lawndale, Calif.

 JANNSEN, HENRY K. (S'53-A'55), Asst. Engr., Sperry Gyroscope Co., Great Neck, L. I., N.Y.

 JANIESCH, HENRY R. (S'57-M'58), Elec. Engr., Grumman Aircraft Engrg. Corp., Bethpage, L. I., N.Y.

 JANIK, CARL L. (A'54), Mgr., Foreign Sales, Kay Electric Co., 14 Maple Ave., Pine Brook, N. J.

 JANIK, JONN, JR. (S'52-A'55), Engr., Bell Tel. Labs., Whippany, N. J.

 JANIK, JOSEPH L. (A'44-M'55), Chemist, Standard OII Co., Whiting, Ind.

 JANIS, PETER (SM'47), Sect. Head, Power Tube Research & Dev. Dept., Raytheon Mfg. Co., Waltham 54, Mass.

 JANISZEWSKI, FRANK A. (S'41-A'44-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 JANITSCHKE, E. O. (A'21-VA'39XL), Retired, 710

 Escalona Dr., Santa Cruz, Calif.

 JANIKEN, SIDNEY (A'51), Div. Mgr., Experimental Vehicle
- JANKEN, SIDNEY (A 51), DIv. Mgr., Experimental Vehicle Div., Lockheed Missile Systems Div., Palo Alto, Calif. JANKOWSKI, HERMAN (S '45-A '46-M '52), Project Engr., GE Co., Ithaca, N.Y.

- JANKOWSKI, JOHN A. (S'55-M'57), Chief, Installations, Ground Electronics, Hgrs., Middletown GEEIA Region, USAF, Olmsted AFB, Middletown, Pa.
 JANKOWSKI, JOHN R. (S'59-A'59), Estimator, HazeitIne Electronics Coro., Little Neck 62, L.I., N.Y.
 JANN, ELDON G. (S'55-M'57), Project Engr., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 3B, III.

- 3B, III.

 JANNEY, DONALD H. (M'58), Staff Mem., Los Alamos Scientific Lab., Los Alamos, N.M.

 JANOFF, ALLEN (S'53-A'55), Elec. Engr., Curtiss-Wright Corp., Carlstadt, N.J.

 JANOS, WILLIAM A. (M'59), Sr. Research Engr., Convair, San Diego, Calif.

 JANOSIK, JERRY R. (M'5B), Design Engr., Bendix Aviation Corp., 400 S. Beiger, Mishawaka, Ind.

 JANOWIKK, ROBERT M. (M'59), Asst. Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.

- JANOWIAK, ROBERT M. (M'59). Asst. Engr., Amour Research Foundation, 10 W. 35 St., Chicago 16, III.

 JANOWSKY, RALPH H. (A'41), Staff Engr., The Wurlitzer Co., Niagara Falls Blvd., North Tonawanda, N.Y.

 JANOWSKY, SEYMOUR (M'54), Div., Engra, Genl. Electronics, Inc., 101 Hazel St., Paterson 3, N.J.

 JANSUN, JANN T. (A'50-M'55), Application Engr., Sylvania Elec. Prods., Inc., Seneca Falls, N.Y.

 JANSEN, FUGENE K., (S'57-A'59), Field Service Technician, RCA Service Co., Camden B., N.J.

 JANSEN, J. JAN (A'40-M'55), Mem. Tech. Staff, Bell Tel. Labs., North Andover, Mass.

 JANSEN, JOSEPH N. (M'58), Engr., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.

 JANSKY, C. M., JR. (A'18-M'25-F'28), Chmn. of 8d., Jansky & Balley, Inc., 1735 DeSales St., N.W., Washington 6, D.C.

 JANSKY, CURTIS M. (S'47-A'50-SM'56), Prod. Program Coordinator, Prod. Planning Div., Royal McBee Corp., Westchester Ave., Port Chester, N.Y.

 JANSKY, MAURICE M. (M'56), Practice In Firm, Loucks, Zias & Jansky, 1317 F St., N.W., Washington 4, D.C.
 JANSEN, JAN M.L. (SM'56), Mgr., Data Processing & Computer Centre, N. V. De Bataafsche Petroleum Maatschapptij, Carel v. Bylandtlaan 30, The Hague, Holland. Holland.

- Holland.

 JANSSEN, RICHARD R. (S'58-A'59), Tech. Writer, Hughes Aircraft Co., Culver City, Calif.

 JANSSEN, THEODORUS A. M. (M'58), Sr. Dev. Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q., Canada.

 JANSSENS, EUGENE L. (SM'58), Electronics Engr., Canadair, Ltd., 80x 6087, Montreal, P.Q., Canada.

 JANTZ, MARVIN A. (M'58), Project Engr., U.S. Army Electronic Proving Ground, Signal Communications Dept., Ft. Huachuca, Ariz.

 JANUSHEVICH, ALEXANDER (S'55-M'56), Weapon Systems Design Engr., Comell Aeronautical Lab., Inc., Box 235, Buffalo 21, N.Y.

 JANUSZ, JEROME S. (A'55), Project Engr., AC Spark Plug

- JANUS HEVICH, ALEXANDER (S'155-M'156), Weapon Systems Design Engr., Comell Aeronautical Lab., Inc., Box 235, Buffalo 21, N.Y.

 JANUSZ, JEROME S. (A'55), Project Engr., AC Spark Plug Div., GMC, 1925 E. Kenilworth Pl., Milwaukee 2, Wis. JANVRIN, WALTER A., JR. (SM'50), Staff Mem., MiT, Cambridge, Mass.

 JANZ, DONALD W. (S'56-M'57), Design & Dev. Engr., RCA, Moorestown, N.J.

 JANZA, FRANK J. (A'51-M'56-SM'57), Research Assoc., Univ. of New Mexico, Albuquerque, N.M.

 JAQUES, C. MARION (A'57), Librarian, Vitro Labs., 14000 Georgia Ave., Silver Syring, Md.

 JARAMILLO J. GONZALO (M'58), Sr. Electronics Engr., Martin Co., Orlando, Fla.

 JARBOE, RUPERT A. (A'52-M'57), Current Prod. Engrg., Mgr., Hi-O Div., Aerovox Corp., Seneca Ave., Olean, N.Y.

 JARECKI, STANLEY J. (A'53), Electronics Dev. Technician, U.S. Govt., Tobyhanna, Pa.

 JARCKY, JKSSE L. (S'49-A'53-M'58), Principal Electronics Engr., Missile Systems Div., Republic Aviation Corp., 223 Jericho Toke., Mineola, L.I., N.Y.

 JAREMA, EUGENE D. (A'53-M'55), Physicist, Evans Signal Lab., Belmar, N.J.

 JARMAIN, EDWIN R. (M'53), Pres. & Genl. Mgr., Jarmain's T.V. Cable, 13 King St., London, Ont., Canada.

 JARMAIN, ROWIN R. (M'53), Pres. & Genl. Mgr., Jarmain's T.V. Cable, 13 King St., London, Ont., Canada.

 JARMET, ROBERT E. (S'49-A'50-M'58), Asst. Mgr., Applications Dept., Tung-Sol Electric Co., 200 Bloomfield Ave., Bloomfield, N.J.

 JARMET, HEDDDRE W. (A'48-SM'51), Pres., Engineered Electronics Co., 506 E. 18t St., Santa Ana, Calif.

 JARRETT, HILTON F. (S'55-M'57), Human Factors Scientist, Assoc., System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.

 JARRETT, MICHAEL A. (S'57-A'58), Technician, RCA Service Co., c'o' Travelers Ins. Co., 700 Main St., Hartford 15, Conn.

 JARRETT, WICHAEL A. (S'57-A'58), Technician, RCA Service Co., c'o' Travelers Ins. Co., 700 Main St., Hartford 15, Conn.

- ford 15, Conn.

 RETTE, VERNON (SM'52), Test Equipment Maint.

 Western Electric Co., Hawthorne Sta., Chicago 23, III.

 JARVA, WILLIAM (A'55), Project Dir., Filtron Co., Inc.,

 131-15 Fowler Ave., Flushing 55, L.I., N.Y.

 JARVIS, ARTHUR B. (M'57), Fleld Engr., RCA Service Co.,

 Inc., Canden, N.J.

 JARVIS, GEORGE R. (A'52-M'57), Project Engr., Ekco
 Alcoa Containers, Inc., Wheeling & Hintz Rds., Wheeling,

 III.

- ARVIS, JAMES A. (A'55-SM'56), Project Engr., Northem Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.
- Canada.
 JARVIS, JOHN W. (A'59), Electronic Lab. Technician, Brown
 Engrg. Co., Huntsville, Ala.
 JARVIS, KENNETH W. (A'24-M'27-F'34), Principal Staff
 Engr., The Martin Co., Martin-Baltimore Div., Baltimore 3,
 Md; Pres., Jarvis Electronics Corp., 6058 W. Fullerton
- Ave., Chicaoo 39, III.

 JARVIS, PAUL H. (S'52-A'55), Assoc. Scientist, Westinghouse Elec. Corp., Bettis Plant, Box 1468, Pittsburgh 30, Pa.
- JARVIS, WILLIAM E. (A'54), Applications Engr., Hewlett-Packard Co., 275 Page Mill Road, Palo Alto, Calif. JASBERG, JOHN H. (S'42-A'45-M'55), Research Assoc., Stanford Univ., Hansen Labs., Stanford, Calif.
- JASIK, CHARLES (A'47-SM'54), Sales Mgr., Genl. Resistance, Inc., 577 E, 156 St., New York 55, N.Y.
 JASIK, HENRY (A'40-SM'47-F'58), Consulting Engr., Jasik
 Labs., 100 Shames Dr., Westbury, L.I., N.Y.

- JASINSKI, ALEXANDER J. (S'57-M'59), Trainee, Allis-Chalmers Mfg. Co.. Milwaukee, Wis. JASPER, FREDERICK H. C. (M'57), Dev. Engr., Standard Telephones & Cables, Ltd., New Southgate, London N. 11,

- England.

 JASPER, JOHN D. (S'57-M'58), Applications Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.

 JASPER, LESLIE L. (A'58), Electronics Engr., Electro-Tech. Labs., 5134 Glenmont Dr., Houston, Tex.

 JASTER, DALE R. (A'52), Test Equipment Engr., Admiral Corp., 3800 Cortland St., Chicago 47, Ill.

 JASTRAM, PHILIP S. (M'45), Assoc. Prof., Physics, Ohio State Univ., Columbus 10, Ohio.

 JATLOW, JACOB L. (A'47-SM'51), Mgr., System Engrg., Communication Lab., ITT Labs., Nutley 10, N. J.

 JATRAS, STEPHEN J. (M'52), Exec. Asst. to V.P. & Genl. Mgr. & Dir., Mtd., Electronics & Avionics Div., Lockheed Aircraft Corp., 6201 E., Randolph St., Los Angeles 22, Calif. AUCH. KENNETH F. (S'156-M'199). Eler. Act. Association.
- Aircraft Corp., 6201 E. Randolph St., Los Angeles 22, Calif. JAUCH, KENNETH E. (5'56-M'59), Elec. Asst., Association of American Railroads, 3140 S. Federal St., Chicago 16, III. JAUCK, ROBERT H. (5M'56), Head, Components Dev. Dept., Arma Div., Garden City, L.I., N.Y.
 JAUMOT, FRANK E., JR. (SM'58), Dir., Research & Engr., Semiconductors, Delca Radio Div., GMC, Kokomo, Ind.
 JAUNISKIS, KESTUTIS P. (5'56-M'57), Elec. Engr., Hallicrafters, 4401 W. 5 Ave., Chicago 24, III.
 JAVID, MANSOUR (S'50-A'54-M'59), Asst., Prof., City College of New York, 139 St. & Convent Ave., New York 31, N.Y.

- 31, N.Y.

 JAVITZ, ALEXANDER E. (A'48-M'54), Special Features, Editor, Electrical Manufacturing, Gage Publishing Co., 1250 Ave. of the Americas, New York 20, N.Y.

 JAVORSKY, JOHN J. (A'48), Electronics Engr., USAF, Wright-Patterson AFB, Ohio.

 JAWOROWSKI, BERNARD R. (S'51-A'52), Elec. Engr., American Bosch Arma. Corp., Roosevelt Field, Garden City, L.I., N.Y.

- L.I., N.Y.

 L.I., N.Y.

 JAWOROWSKI, EUGENE V. (S'57-M'58), Engrg. Alde, Hazeltine Corp., Little Neck 62, L.I., N.Y.

 JAWORSKI, ALEXANDER M. (S'51-A'53), Electronics Sclentist, New York Naval Shipyard, Brooklyn 1, N.Y.

 JAY, HENRY A. (SM'58), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif. JAYCOX, RICHARD L. (A'54), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 JAYC, WALTER E. (S'50-A'53-M'58), Research Engr., Stanford Research Institute, Menlo Park, Calif. JAYNE, WALTER E. (S'150-A'53-M'58), Research Engr., Stanford Research Institute, Menlo Park, Calif. JAYNE, ALLAN W. (M'57), 104 Holden Green, Cambridge, Mass.
- JAYNE, FRANKLIN B. (A'56), Sr. Engr., Philco Corp., 4700 Wissahlckon Ave., Philadelphia 47, Pa. JAYNES, EDWIN T. (SM'54), Microwave Lab., Stanford, Calif.
- Calif.

 JAYNES, FRANKLIN H. (A'58), Consulting Project Engr.,
 Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 JAYSON, EDWARD L. (S'54-A'55), Field Engr., Hazeltine
 Electronics Div., 138 Haven Ave., Port Washington, L.I.,
 N.Y.
- Electronics DIV., 130 Raven Ave., Fort mashington, C.I., N.Y.

 JAZBUTIS, ANATOLIJUS (S'52-A'53-M'58), Dev. Engr., Automatic Voting Machine Div., Rockwell Mfg. Co., Jones & Gifford Ave., Jamestown, N.Y.

 JAZWA, EDWARD C. (S'55-M'57), Project Engr., USAF, Wright-Patterson AFB, Ohio.

 JEAN, ARTHUR G., JR. (M'55), Supvy. Electronics Engr., Natl. Bureau of Standards, Central Radio Propagation Lab., Boulder, Colo.

 JEAN, FLOYD H. (S'53-M'55), Elec. Engr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 JEAN, FLORERT P. (A'30-VA'39-M'55), 6004 Suwanee Ave., Tampa 4, Fla.

 JEANNE, CHARLES E. (A'55), Engr., GE Co., Utica, N.Y.

- N.Y.
 JEANS, JAMES R. (S'50-A'51-M'56), Dev. Engr., ITT
 Labs., Nutley 10, N.J.
 JEDNACZ, JOHN E. (A'49-M'55), Engr., Sun Pipe Line Co.,
 1608 Walnut St., Philadelphia 3, Pa.
 JEDRYCHOWSKI, JERZY L. (SM'51), Dir., Elec. Dev.
 Radio Engro. Prods., Ltd., 1080 University St., Montreal, P. Q., Canada.
- JEDYNAK, LEO (S'52-M'57), Instr., MIT, Cambridge 39,
- Mass.
 JEFFCOAT, THOMAS D. (S'58-M'58), Engr., Florida
 Power & Light Co., 25 S. E. 2nd Ave., Miami 30, Fla.
 JEFFERIES, DAVID W. (A'44-M'57), Secy. & Chief Engr.,
 Atlantic Coast Broadcasting Corp., (WTMA), 133 Church St.,
 Charleston, S. C.
- JEFFERIES, KENNETH D. (M'59), V.P., Dir., Sales, Madigan Corp., 200 Stonehinge Lane, Carle Place, L.I., N.Y.
- JEFFERS, CHARLES L. (A'38-SM'47), V.P., Engrg., Southland Industries, Inc., 1031 Navarro St., San Antonio, Tex.
- JEFFERS, GEORGE N. (A'49-M'55), Electronics Scientist, Wright Air Development Center, Wright-Patterson AFB, Ohio. JEFFERS, NORTON L. (SM'54), Administrator, Naviga-tional Alds Research, I T. & T., 67 Broad St., New York 4, N. Y.
- 4, N. Y.

 JEFFERS, ROBERT K. (M'57), Project Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 JEFFERS, WALTER M. (A'51), Dev. Engr., Crouse-Hinds
 Co., Syracuse 1, N. Y.

 JEFFERY, JOSEPH (A'51), Dir. & Secy., Community Television, Lud., 174-180 King St., London, Ont, Dir., Rediffusion, Inc., 6301 Park Ave., Montreal, P. Q., Secy.,
- diffusion, Inc., 6301 Park Ave., Montreal, P. Q.; Secy., London Broadcasters, Ltd., 343 Richmond St., London, Ont., Canada.

 JEFFERY, LAWRENCE R. (A'54), Assoc. Dept. Head, The Mitre Corp., 244 Wood St., Lexington 73, Mass.

 JEFFERY, THOMAS H. (S'48-A'51-M'56), Research Engr., Genl. Telephone Labs., Inc., Northlake, Ill.

 JEFFORDS, JOHN M. (M'59), Short Cut Rd., R.D. 2, Weedsport, N.Y.

 JEFFREY, HORACE S. (S'52-M'56), Sr. Engr., Autonetics
 Div., No. Amer. Aviation, Downey, Calif.

 JEFFREY, ROBERT F. (S'56-M'57), Engr. Assoc., RCA, Waltham, Mass.

- BOSCH Arma Corp., Garden City, L. 1., N. Y.
 JEFFREYS, CLYDE E. (S'50-A'53-M'58), Field Engr.,
 Hughes Aircraft Co., Culver City, Calif.

- JEFFRIES, DAVID (SM'57), Engrg. Dir., Electronics Corp. of America, Cambridge 42, Mass.
 JEFFRIES, SAMUEL A. (A'52-M'57), Pres., Samuel A. Jeffries, Inc., 105 Forrest Ave., Narberth, Pa.
 JEFFS, CHARLES R., JR. (A'53-M'59), Asst. Chief, Electronics Flight Test & Dev. Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
 JEKIC, WILLIAM W. (S'55-A'56), Field Tech Rep., Federal Electric Coro., Anchorage, Alaska.
 JELALIAN, ALBERT V. (S'56-M'58), Design Engr., Raytheon Mig. Co., Maynard, Mass.
 JELATIS, DEMETRIUS G. (A'44-M'56), Tech. Dir., Physics, Central Research Labs., Inc., Red Wing, Minn.
 JELEN, MATT J. (A'25-SM'47), Research Engr., Electronic Communications, Inc., 1501 72 St., N., St. Petersburg 10, Fila.
- JELINEK, GEORGE S. (A'59), Chief Engr., Black Hills Broadcasting Co. of Nebraska, Hay Springs, Neb. JELLERSON, FRANK R. (S'50-A'52-M'57), Electronics Engr., RCA, Camden 8, N. J. JELLISON, KENNETH A. (S'54-M'56), 2622 Whitewood, Ann Arbor, Mich.

- JELLISON, KENNETH A. (S'54-M'56), 2622 Whitewood, Ann Arbor, Mich.

 JENDRZEJCZYK, JOSEPH A. (S'56-A'58), Research Technician, Argonne Natl. Lab., Lemont, III.

 JENKINS, ALEXANDER F., JR. (S'53-A'55), Systems Engr., Inertial Guidance, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 JENKINS, CHARLES D., JR. (S'50-A'52-M'57), Sr. Scientist, Lockheed Missiles & Space Div., 3251 Hanover St., Palo Alto, Calif.

 JENKINS, CHARLES E. (M'59), Elec. Engr., U. S. Naval Ordanace Test Sta., China Lake, Calif.

 JENKINS, CHAYTON E. (M'59), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio.

 JENKINS, DAVID B. (M'56), Supvr., Quality Control Engrg., Whirlpool Corp., Marion, Ohio.

 JENKINS, DONALD C. (M'58), Electronics Engr., Norfolk Naval Shipvard, Portsmouth, Va.

 JENKINS, DONALD C. (M'58), Electronics Engr., Norfolk Naval Shipvard, Portsmouth, Va.

 JENKINS, EOGAR W., JR. (S'48-A'50-M'54-SM'58), Communication Supt., Shell Oil Co., 80x 193, New Orleans 3, La.

 JENKINS, ERIC E. (M'57-SM'58), Patent Agent, Gowling, MacTavish, Osborne & Henderson, 88 Metcalfe St., Ottawa 2, Ont., Canada.

 JENKINS, HERBERT C. (A'41-M'46), Supvr., Quality Control Trol, Vaccuum Tube & Audio Products Div., Sonotone Corp.,

- wa 2, Ont., Canada.

 JENKINS, HERBERT C. (A'41-M'46), Supvr., Quality Control, Vacuum Tube & Audio Products Div., Sonotone Corp., Elmsford, N. Y.

 JENKINS, J. WILLIAM (S'51-A'53-M'58), Engr., Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

 JENKINS, JAMES F., JR. (SM'54), Dir., Dev., Interstate Electronics Corp., 707 E. Vermont Ave., Anahelm, Calif.

 JENKINS, JAMES E. (S'48-3'50-M'52-SM'58), Dir., Operations, Jones L. (S'48-3'50-M'52-SM'58), Dir., Operations, Inc., 3520 Prospect St., N. W., Washington, D. C.

 JENKINS, JAMES L. (M'56), Engr., The Matrin Co.,
- JENKINS, JAMES L. (M'56), Engr., The Martin Co., Baltimore 3, Md.
- JENKINS, JOBE (S'42-A'43-M'46-SM'50), Mgr., Lock-heed Missiles & Space Div., Palo Alto, Calif. JENKINS, K. WARNER (S'55-M'57), Assoc. Engr., I8M, Rochester, Minn.
- Kocnester, Minn.

 JENKINS, KENNETH A. (M'53), Chief, Special Equipment
 Sect., Radar Branch, FAA, Washington 25, D. C.

 JENKINS, KENNETH D. (S'47-A'50-M'55), Electronics
 Supvr., Univ. of California Radiation Lab., Berkeley,
 Calif.
- JENKINS, KENNETH W. (S'58-A'59), 122 2nd St., Troy,
- N.Y.
 JENKINS, LAWRENCE E. (M'57), Research Engr., Lockheed
 Missile & Space Div., Box 504, Sunnyvale, Calif.
 JENKINS, MERL (S'52-M'56), Electronics Engr., Counter
 Measures Research Lab., Box 115, Ft. Belvoir, Va.
 JENKINS, ORIN D. (S'53-A-53), Instrumentation Technician,
 Aerojet Geni. Corp., Box 1947, Sacramento, Calif.
 JENKINS, PAUL R. (M'58), Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.

- Great Neck, L.1., N.Y.
 JENKINS, RICHARD L. (S'43-A'45-M'55), Sr. Engr., Delco
 Radio Div., 700 E. Firmin St., Kokomo, Ind.
 JENKINS, ROBERT A., JR. (S'50-A'52-M'57), Flight Test
 Engr., Convair-Astronautics, Box 1128, San Diego 12,
 Calif.
- Calif.

 JENKINS, ROBERT J. (A'57), Electronics Engr., Geophysics
 Corp. of America, 700 Commonwealth Ave., Boston, Mass.
 JENKINS, RODGERS W. (M'54), Pres., Rodgers Organ Co.,
 Box 96, Beaverton, Ore.
 JENKINS, S. PERRY, JR. (S'49-A'51-M'56), Retired,
 526 Madison St., New Orleans 16, La.
 JENKINS, WALTER S. (S'52-A'54), Assoc. Engr., IBM,
 Owego, N.Y.
 JENKINS, WESTON H. (M'57), Sr. Physicist, Coming
 Glass Works, Coming, N.Y.
 JENKINS, WILLIAM M. (A'51-M'56), Supvr., Systems
 Engrg., Ground Electronic Control Systems, HMED, GE
 Co., Syracuse, N.Y.
 JENKINSON, GEORGE H. (M'57), Prolect Leader. Systems

- JENKINSON, GEORGE H. (M'57), Project Leader, Systems Engrg., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

- Columbus 1, Ohio.

 JENKINSON, JOHN V. (S'53-A'54), Engrg. Supvr., Microwave Associates, Inc., Burlington, Mass.
 JENKS, FREDERIC A. (A'44-SM'46), Program Mgr., Airways & Communications Equipment, Govt. Equipment Div., Raytheon Mfg. Co., Wayland, Mass.

 JENKS, JOSEPH C. (A'53-M'58), Research Staff Asst., Johns Hopkins Univ. Radiation Lab., Baltimore 2, Md.
 JENNER, WILLIAM C. (M'57), Mgr., Elec. Insulating Materials, Houghton Labs., Inc., 322 Houghton Ave., Olean, N.Y.

 JENNESS, ROGER R. (SM'55), Assoc. Prof. Flor. Fann.
- Olean, N.Y.
 JENNESS, ROGER R. (SM'55), Assoc. Prof., Elec. Engrg.,
 Northwestern Univ., Evanston, III.
 JENNETT, NORMAN E., JR. (A'50-M'55), Deputy Head,
 Pacific Missile Range Planning Office, GS-15, Point
 Mugu, Calif.
 JENNETTE, JOSEPH E., JR. (S'55-M'57), Mktg. Rep.,
 Military Prods. Div., IBM, 1737 'L' St., N.W.,
 Washington, D.C.

- JENNINGS, BERT R. (S'57-M'59), 1236 Cedargrove, Whittier, Callf. JENNINGS, HUGH K. (M'53), Staff Mem., Los Alamos Scientific Lab., Box 1663, Los Alamos, N. M. JENNINGS, J. EMMETT (SM'55), Pres. & Dir., Research, Jennings Radio Mfg. Corp., 970 McLaughin Ave., San

- Jennings Radio Mfg. Corp., 970 McLaughin Ave., San Jose, Callí.

 JENNINGS, JOHN L. (A'51), Lt. jg., USN, LDO Electronics, USS Cobler, (SS 344), FPO, New York, N.Y.

 JENNINGS, JOHN L. (A'51), Lt. jg., USN, LDO Electronics, USS Cobler, (SS 344), FPO, New York, N.Y.

 JENNINGS, MALBON H. (A'58-5M'58), Dir., Military Requirements Dert., Ramo-Wooldridge, 1825 Connecticut Ave., Washington 9, D. C.

 JENNINGS, R. WAYNE (S'50-A'51-M'56), Dev. Engr., Genl. Mills, Inc., 1620 Central Ave., Minneapolls, Minn. JENNINGS, RICHARD L. (M'59), MAESU Field Engr., RCA Service Co., Camden 8, N.J.

 JENNINGS, RICHARD L. (M'59), Service Mgr., Process Equipment Div., The Girdler Co., Louisville, Ky.

 JENNISON, RICHARD E. (M'59), Security Analyst, The United Corp., 310 North Ave., New Rochelle, N.Y.

 JENNY, DIETRICH A. (A'47-M'55), Research Physicist, RCA Labs., Princeton, N.J.

 JENNY, FREDERICK F., (M'57), Assoc. Engr., IBM, Military Prods. Div., Kingston, N.Y.

 JENNY, HANS K. (A'45-M'47-SM'50), Mgr., Microwave Engrg., RCA, Harrison, N.J.

 JENSEN, ALFRED K. (M'44), Research Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

 JENSEN, ALFRED K. (M'44), Research Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

 JENSEN, ALFRED K. (M'44), Research Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

 JENSEN, ARNOLD M. (A'46-M'50), Chief, Electron Devices Div., Amed Services Electro Standards Agency, Ft. Monmouth, N.J.

 JENSEN, ARNHULJ. (S'49-A'50-M'56), Asst. Engr.-Inc. Tog., Maint., CSS, 485 Madison Ave. New York M.V.

- mouth, N.J. JENSEN, ARTHUR J. (S'49-A'50-M'56), Asst. Engr.-In-Cho., Maint., C8S, 485 Madison Ave., New York, N.Y. JENSEN, ARTHUR S. (M'46-SM'51), Mgr., Special Electron Devices Sect., Applied Research Dept., Westinghouse Elec. Com., Box 746, BaltImore 3, Md.
- COTP., BOX 749, BAILIMORE 2, Md.
 HOME: 21 Mea Dr., Berkels, Heights, N.J.
 JENSEN, CARL A. (M'57), Tech. Editor, Stavid Engrg.,
 Inc., U. S. Hwy. 22, Plainfield, N.J.
 JENSEN, CARL E. K. (M'59), Project Engr., GE Computer
 Dept., Phoenix, Ariz.
- JENSEN, CHARLES L. (S'48-A'50-M'55), Project Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44,

- Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44, pa.

 JENSEN, CHARLES W. (S'56-M'57), Microwave Engr., ITT Labs., 3702 E. Pontiac St., Fl. Wayne I, Ind.

 JENSEN, DWAYNE W. (A'54-M'56), Chief Engr., Tresco, Inc., 3824-28 Terrace St., Philadelphia 28, Pa.

 JENSEN, FLOYD J. (M'59), Asst. Chief Factory Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 JENSEN, GENE (S'54-M'56), Electronics Engr., Industrial Mgr., 9 Naval District, USN, Bldg. 3209 Great Lakes, III.

 JENSEN, HAROLD, N. (S'56-M'58), Engr., Hughes Aircraft Co., Culver City, Calif.

 JENSEN, HAROLD, R. (S'49-A'51-M'57), Dev. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 JENSEN, HARRY J. (M'58), Supvr., Test Engrg. Branch, Sikorsky Aircraft Div., Main St., Stradford, Conn.

 JENSEN, HERBERT S., JR. (S'56-M'57), 2nd Lt., USAF, Home: 279 Cooper St., Brooklyn 27, N.Y.

 JENSEN, HOLGER R. (S'56-M'56), Staff Engr., IBM, Endicott, N.Y.

 JENSEN, JOHN W. (S'56-M'59), Design Engr., Raytheon Mfg. Co., Walthan 54, Mass.

 JENSEN, JORGEN (S'46-A'49-M'55), Group Engr., The

- Mfg. Co., Waltham 54, Mass.,
 JENSEN, JORGEN (5'46-A'49-M'55), Group Engr., The
 Martin Co., Baltimore 3, Md.
 JENSEN, KARL K. (A'44-M'45-SM'54), Principal Electronics Technician, Univ. of California at Los Angeles,
 405 Hilgard Ave., Los Angeles 24, Calif.
 JENSEN, KELD 8. (5'56-M'57), Civil Engr., Danlsh
 States Railway, Solvgade 40, Copenhagen, Denmark.
 JENSEN, KENNETH A. (5'58-A'59), 4107 N. Kilbourn
 Ave., Chicago 41, Ill.
 JENSEN, KENNETH S. (A'44-M'47-SM'50), Research
 Coordinator, Giddings & Lewis Machine Tool Co.,
 142 Doty St., Fond du Lac, Wis.

- 142 Doty St., Fond du Lac, Wis.

 JENSEN, LELAND C. (5'54-A'55), Asst. Prof., Oregon State College, Corvallis, Ore.

 JENSEN, LUTHER J. (A'56), Owner, Bureau of Economic Research, 20 W. 9 St., Kansas City 5, Mo.

 JENSEN, MAURICE W. (A'55), Sr. Project Engr., AC Spark Plug Div., 1925 E. Kenliworth, Milwaukee 1, Wis. JENSEN, MILFORD C. (A'34-M'44), Operations Dir., Radio Sta. WCAL, St. Olaf College, Northfield, Minn. JENSEN, PAUL E. T. (M'56), Engrg. Tech. Writer, Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 JENSEN, PIERCE A. JR. (5'49-A'49-A'55), 1920.

- View, Calif.

 JENSEN, PIERCE A., JR. (S'49-A'49-M'55), 1820
 Wenrick Ct., Los Altos, Calif.

 JENSEN, R. DALE (S'53-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 JENSEN, RALPH O. (S'49-A'51-M'57), Project Engr.,
 Burroughs Research Center, Paoli, Pa.
 JENSEN, RICHARD C. (A'31-V-3'9-SM'51), Mgr.,
 Ground Radar & Sonar Systems Engrs., HMED, GE.
 Co., Syracuse, N.Y.
 JENSEN, RICHARD E. (M'56), Physicist, Motorola, Inc.,
 5005 E. McDowell Rd., Phoenix, Ariz.

 JENSEN, ROBERT A. (S'48-A'52-SM'57), Dev. Engr.,
 IBM, Poughkeepsie, N.Y.
 JENSEN, ROBERT E. (A'51-M'55), TV Service Engr..
- JENSEN, ROBERT E. (A'51-M'55), TV Service Engr., Sears, Roebuck & Co., 3245 W. Arthington St., Chicago 7, III.
- JENSEN, RONALD C. (S'50-A'52-M'57), Test Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
- Call.
 JENSEN, ROY H. (A'4B), Engr., Radio Sta. KC8S, 140
 Jessie St., San Francisco 5, Calif.
 JENSEN, RUSSELL S. (A'44-M'45), Asst. Prof., Theoretical & Applied Mechanics., Talbot Lab., Univ. of Illinois,
 Urbana, III.
- JENSEN, SIDNEY D. (S'55-M'57), Instrumentation Engr., Thiokol Chemical Corp., 8righam City, Utah.

- JENSEN, STERLING K. (S'56-M'5B), Field Engr., Hughes Aircraft Co., Culver City, Calif. JENSEN, SVEND E. (A'46-M'56), Engr., Bang & Olufsen A/S, Struer, Denmark. JENSEN, TEDDY (S'57-A'5B), Engro. Asst., The Bell Tel. Co. of Canada, 1060 Univ. St., Montreal, P.Q., Canada.
- JENSEN, THEODORE A. (S'57-M'5B), 101 Madrone Ave.,
- San Francisco, Callf.
 JENSEN, THEODORE F. (A'54), Chief Engr., Glaser Steers Corp., 155 Oraton St., Newark, N.J.
- Steers Corp., 155 Oraton St., Newark, N.J.
 JENSEN, WARD S. (A'41-M'45), Sales Mgr., Electronic
 Center, Inc., 107 3rd Ave., N., Minneapolis 1, Minn.
 JENSEN, WARD V. (M'56), Supvy., Missile Engr., Lacrosse
 Project, Systems Test Div., White Sands Missile Range,
 N, M.
- N.M.
 JENSEN, WILLIAM R. (S'58-A'59), 14239 Des Moines
 Way, Seattle 88, Wash.
 JENT, JOHN H. (M'56), Capt., USAF, Electronics Engr.,
 Wright Air Development Center, Box 7712, WrightPatterson AFB, Ohio
- Patterson AFB, Ohio.
 JENTILET, ADAM (M'56), Engr., Westinghouse Elec.
 Corp., Baltimore 27, Md.
 JEPSEN, ROBERT L. (A'52-SM'57), Dir., Vacuum Research, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

- Calif.

 JEPSEN, THOMAS L. (S'55-M'56), Mem. Tech. Staff, Hughes, Alrcraft Co., Culver City, Calif.

 JEPSON, MARTIN R. (S'53-A'54), Engr., Illinols Bell Tel. Co., 208 W. Washington St., Chicago 6, Ill.

 JERGEL, ROBERT F. (S'52-A'55), Electronics Design Engr., IBM Vestal Lab., Endicott, N. Y.

 JERNAKOFF, GEDRGE (S'49-A'51-M'5B), Electronics Engr., GE Co., Schenectady, N. Y.

 JERNAKOFF, GEDRGE (S'49-A'51-M'5B), Electronics Genl. Mgr., Motorola, Inc., 8330 Indiana Ave., Riverside, Calif.

 JEROME WIL BIJE R. (A'3A-VA-39), Transmitter Engr., JEROME WIL BIJE R. (A'3A-VA-39), Transmitter Engr.

- Riverside, Calif.

 JEROME, WILBUR R. (A'36-VA-39), Transmitter Engr., Westinghouse Broadcasting Co., 6600 Broadview, Cleveland 31, Ohio.

 JERREMS, ALFXANDER S. /SM'54), Dir., Airhome Systems Labs., Hughes Aircraft Co., Culver City, Calif.

 JERRETT, ALLAN C. (M'54), Supt., Canadian National Telegraphs, 239 Water St., St. John's, Nfld., Canada.

 JERVIS, EDWARD W., JR. (A'48-M'55-SM'59), Mgr., Dev. Dept., Sylvania Elec., Prods., Needham 94, Mass.

 JERVIS, ERNEST R. (A'33-VA/39-SM'51). Concultant
- JERVIS, ERNEST R. (A'33-VA'39-SM'51), Consultant, ARINC Research Corp., 1700 K St., N.W., Washington 6, D.C.
- JESCHKE, ALBERT W. (S'48-A'51-M'56), Engr., Nortronics Div., Northrop Aircraft, Inc., 500 E. Orangethorne Ave., Anaheim, Calif.
- Anaheim, Calif.
 JESCHKE, DONALD R. (S'55-M'56), Dev. Engr., Motorola, Inc., 1450 N. Cicero, Chicago 51, III.
 JE SCHONEK, ALFRED A. (S'48-A'51), Project Engr., Rheem Mg. Co., 9243 Hall Rd., Downey, Calif.
 JESCLARD, GERALD P. (S'56-M'59), 231 Jefferson Hgts., New Orleans 21, La.
 JESKE, HAROLD O. (S'43-A'45-M'56), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.

- Sandía Corp., Sandia Base, Albuquerque, N.M.
 JESSE, EUGENE (S'47-A'50-M'55), Elec. Engr., Natl.
 Advisory Comm., for Aeronautics, Moffett Field, Calif.
 JESSE, HARDLD W. (S'55-M'58), Lt. Cmdr., USN, Electronics Officer, Cmdr., Fleet Air Philippines, FPO, San Francisco, Calif.
 JESSE, PAUL C. (S'57-A'58), Staff Asst., Sandia Corp.,
 Sandia Base, Albuquerque, N.M.
 JESSE, STEFAN A. (A'58), Inspector, Electronics
 Equipment, U.S. Dept. of Defense, Washington, D.C.
 JESSEN, FREDERIC A., JR. (S'49-A'51-M'56), Research Project Engr., Philos Corp., 4700 Wissahickon Ave,
 Philadelphia 44, Pa.
- rmiaceipnia 44, Pa. J JESSEN, MURRELL F. (S'54-M'57), Elec. Engr., Collins Radio Co., Cedar Rapids, Jowa. JESSEN, PHILLIP L. (S'50-A'51-M'57), Research Scientist, Nuclear Div., Kaman Aircraft Corp., 2013 Ridgecrest, S.E., Albquerque, N.M.
- JESSEN, WILLIAM E. (A'55), Electronics Systems I spector, No. Amer. Aviation, Internati. Airport, Los Angeles, Calif.
- JESSUP, DOUGLAS G. (M'59), Chief Computer Engr., Wash. JESSUP, DOUGLAS G. (M'59), Chief Computer Engr., Wash. JESSWEIN, ADOLPH J., JR. (A'54), Electronic Scientist, Naval Research Lab., Chesapeake St., Washington 25,

- Naval Research Lab., Chesapeake St., Washington 25, D.C.
 D.C.
 D.C.
 Syracuse, N.Y.
 JESTIER, ALYIN H., JR. (M'58), Engr., HMED, GE
 Co., Syracuse, N.Y.
 JESTICE, AARON L. (A'54), Sr. Engr., Preliminary Dev.
 Staff, Minneapolis -Honeywell Regulator Co., 2600
 Ridgway Rd., Minneapolis 13, Minn.
 JESTY, LESLIE C. (M'54-SM'55-F'56), Chg. of Color TV
 Research, Sylvania-Thorn Colour Television Labs., Ltd.,
 Great Cambridge Rd., Enfield, Middx., England.
 JESURUN, MELROSE M. (S'47-A'49-M'55), Assoc.
 Engr., The Johns Hopkins Univ., Applied Physics Lab.,
 Silver Spring, Md.
 JETER, RYING E. (M'56), Tech. Writer, Lockheed
 Missile Systems Div., Palo Alto, Calif.
 JETER, RYING E. (M'56), Tech. Writer, Lockheed
 Missile Systems Div., Palo Alto, Calif.
 JETER, RYILLIAM C. (S'51-A'52-M'57), Sales Engr.,
 GE Co., 818 Olive St., St. Louis 1, Mo.
 JETT, CARL O. (SM'57), System Communications Engr.,
 Union Pacific Railroad, 1416 Dodge, Omaha, Neb.
 JETT, EWELL K. (A'29-M'38-T'39), V.P., Dir., T.V.
 WMAR-TV, Baltimore Sunpapers, Baltimore, Md.
 JEUNG, JASPER L. (S'50-A'51-M'58), Electronics Engr.,
 Navai Ordnance Test Sta., China Lake, Calif.
 JEVONS, LYLE O. (A'53-M'58), Application Engr., Polytechnic Research & Development Co., 202 Tillary, Brooklyn,
 N.Y.
 JEWART, DONALD M. (SM'59). Advanced Dev. Engr.
- N.Y.

 Sylvania Elec. Prods., Inc., Williamsport, Pa.

 JEWELL, ARTHUR G. (A'54), Radio Engr., Western Electric Co., 220 Church St., New York, N.Y.

 JEWELL, G. STUART (M'55), Sr. Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.

 JEWELL, HUBERT H., JR. (S'55-M'56), Asst. Engr., Signals & Communications, R. F. & P. Railroad Co., Potomac Yard, Alexandria, Va.

 JEWELL, JACK J. (S'57-M'58), 1921 Merrimac Dr., Adelphi, Md.

- JEWELL, LESLIE (M'5B), Systems Design Engr., RCAF, Air Force Hgrs., Ottawa, Ont., Canada.

 JEWELL, RALPH L., JR. (M'51), Sr. Project Engr., Raytheon Mgc. Co., Wayland, Mass.

 JEX, JOHN F. (A'53), Field Technician, MacIvor Electronics, Ltd., 248 Main St., Winnipeg 1, Man., Canada.

 JEYNES, WILLIAM E. (M'54), Chief Engr., CHCH-TV.

 163 Jackson St., W., Hamilton, Ont., Canada.

 JEYS, FRANK H. (A'51-M'57), Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 JEZEK, JOHN E. (A'52), 3441 Lombard Ave., Cicero

 50, III.
- JEZEWSKI, JOSEPH E. (M'57), Assoc. Research Engr., Chicago Midway Labs., Univ. of Chicago, 6220 S. Drexel Blvd., Chicago 37, III.
 JEZIERSKI, E. C. J. (A'54), Research & Dev. Engr., Televalves, Ltd., 36 Sunnyfield, London, N.W. 7, England.

- Televarives, Ltd., 36 Sunnyfield, London, N.W. 7, England.
 JHA, ASU R. (M'5B), Design Engr., Decker Corp., 1361
 Frankford Ave., Philadelphia 24, Pa.
 JJ. GOPAL (A'57), Tech., Asst., The Scientific Instrument Co., Ltd., 6 Teg Bahadur Sapru, Rd., Allahabad, India.
 JICHA, ALBERT J. (S'53-A'54), Mem., Tech., Staff, Hughes Aircraft Co., Fullerton, Calif.
 JICKLING, ROBERT M. (A'53-M'5B), Physicist, Nati.
 Bureau of Standards, Boulder, Colo.
 JIEWERTZ, BENGT (M'5B), Computer Dev., Swedish Aircraft Co., Linkoping, Sweden.
 JILES, CHARLES W. (M'55), Project Aerophysics Engr., Convair, Box 748, Ft. Worth, Tex.
 JIMENEZ, GUSTAVOL (M'55), Test Equipment Design Engr., Magnavox Co., Greeneville, Tenn.
 JIMENEZ, JOSEPH W. (S'50-A'52-M'57), Pres. & Mgr., Developmental Electronics Corp., 4213 S. Broadway, Los Angeles 37, Calif.

- JIMENEZ, L. ELOHIM (S'52-M'56), Counsellor Engr.,
 DIr., Genl. de Telecomunicaciones, Secretaria de Comunicaciones & Transportes, Av. Xola y Av. Universidad,
 Mexico, D.F. 12, Mexico.
 JIMENEZ-MICHELENA, L. G. (A'37-SM'4B), Pres. &
 Chief Engr., Intelec, S. A., Edificio Industria-4A; Ave. Este
 2 (Pte Republica), Caracas, Venezuela.
- LiPP, JOHN (A'44-M'46), Mgr., Instrumentation Div., Ampex Corp., 860 Charter St., Redwood City, Calif.

 JIRA, JOSEPH W. (M'47), Electronics Engr., 9013 Elsmere Dr., Cleveland 30, Ohio.

 JIU, RICHARD (S'50-A'51-M'55), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.
- JOAQUIN, DURAND (S'52-A'54), Prof., Escuela Superior de Ingenierla Mecanica y Electrica, Durango 66-7, Mexico 7, D.F., Mexico.
- JOBBINS, CHARLES W. (S'47-A'50-M'56), Pres., Jobbins Electronics, 771 Hamilton Ave., Menlo Park, Calif. JOBES, SAM S. (M'56), Design Engr., GE Co., Syracuse,
- N.Y.

 JOBSON, CYRIL B. (A'56), Account Exec., Duncan A. Scott & Co., B5 Post St., San Francisco 4, Calif.

 JOCHEM, NORBERT L. (SM'58), 2534 Vermont, Ouincy, III.

 JOCOY, EDWARD H. (M'56), Asst. Electronics Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N.Y.

 JODON, FRANCIS R. (A'55), Pres., FR. Jodon, Inc., 8510

 Beech Tree Rd., Bethesda 14, Md.

 JOE, ROLAND H. (S'49-A'51-M'57), Mem. Tech. Staff, Ramo-Wooldridge, Box 90534 Airport Sta., Los Angeles 45, Calif.

- 45, Calif.

 JOEHLIN, NORMAN C. (S'46-A'47-M'55), Sr. Electronics Engr., The Magnavox Co., Ft. Wayne, Ind.

 JOEL, AMOS E., JR. (A'51), Switching Systems Dev. Engr., Bell Tel. Labs., Whippany, N.J.

 JOEL, HARRY C. (M'57), Research Engr., The Western Co., 922 Dragon, Dallas 7, Tex.

 JOERG, ERNEST A. (M'56), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 JOERGER, C. DENNIS (M'58), Assoc. Engr., McDonnell Aircraft, Box 516, St. Louis 3, Mo.

 JOERGER, JEROME C. (A'48-M'55), Asst. Chief Engr., Aircraft & Missiles, Rheem Mfg. Co., 9236 E. Hall Rd., Downey, Calif.

 JOETTEN, KLAUS K. F. (S'55-M'56), Mgr., Semiconductor
- JOETTEN, KLAUS K. F. (S'55-M'56), Mgr., Semiconductor Prods, Dev., Valvo GmbH, Radlorohrenfabrik, 101 Streseman-nallee, Hamburg-Lockstedt, Germany.

 JDFFE, IRVING (A'52-M'57), Electronics Engr., RCA, Camden, N. J.
- JOFFE, NORMAN (A'52-M'57), Sr. Electronics Engr., Emerson Research Labs., 1140 East-West Hwy., Silver Spring,

- son Research Labs., 1140 East-West Hwy., Silver Spring, Md.

 JOHANBOEKE, ROY B. (S'54-M'56), Electronics Engr., U.S.
 Naval Ordnance Test Sta., China Lake, Calif.

 JOHANNES, JEROME V. (S'57-M'57), Elec. Engr., Iowa Mfg. Co., 19 10 15 St., N.E., Cedar Rapids, Iowa.

 JOHANNES, JOHN M. (SM'57), Chief Electronic Warfare Branch, Directorate of Communications & Electronics, JCS, Washington, D.C.

 JOHANNES, VIRGIL I. (S'52-A'55), Lecturer, The City College, 139 St. & Convent Ave., New York, 31, N.Y.

 JOHANNESEN, JOHN D. (A'4B-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 JOHANNESEN, ODDVAR M. (SM'56), Group Engr., Philco Corp., Palo Aito, Calif.

 JOHANNESEN, WARREN (S'53-A'55), Dev. Engr., American Bosch Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.

 JOHANNESSEN, HANS. R. (M'58), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 JOHANNESSOHN, MORVAL A. (S'35-M'5B), Electronics

 Engr., Rural Electrification Administration, Washington 25, D.C.

 JOHANNINGSMEIER, WALTER F. (M'58), Patent Engr.

- D.C.
 JOHANNINGSMEIER, WALTER F. (M'58), Patent Engr.,
 IBM, 425 13 St., N.W., Washington 4, D.C.
 JOHANSEN, DONALD E. (M'57), Tech. Staff Mem., Hernes
 Electronics, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.
 JOHANSEN, ELMER L. (S'54-A'55), Grad. Research Asst.,
 Willow Run Labs., Univ. of Michigan., Yosilarti. Mich.
 JOHANSEN, GUSTAVE N. (SM'57), Rep., Middle Atlantic
 Area, Land-Air, Inc., 1744 "G" St., N.W., Washington 6,
 D.C.
- JOHANSON, ALFREO E. (M'47), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. JOHANSON, EOWARD W. (M'56), Electronics Engr., Argonne Natl. Lab., Bailey Rd., Lemont. III.

- JOHANSON, ERIC H. (S'49-A'51-M'5B), Field Engr., Hughes Aircraft Co., Culver City, Calif.
 JOHANSON, PETER (A'51), Secy., Transaero, Inc., 67-11 Main St., Flushing 67, L.l., N. Y.
 JOHANSSON, EVERETT W. (S'54-M'57), Engr., Sprague Electric Co., North Adams, Mass.
 JOHL, M. JOHN (A'46-SM'59), Staff Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 JOHLER, JOSEPH R. (A'47-M'55-SM'55), Electronics
 Scientist, Project Leader Systems Study, Central Radio
 Propagation Lab., Natl. Bureau of Standards, Boulder, Colo.
 JOHN, EDWARD J. (A'57), Electronics Mechanic, U.S. Naval
 Radiological Defense Lab., Hunter's Point, San Francisco,
 Calif.

- Radiological Defense Lab., Hunter's Point, San Francisco, Calif.

 JOHN, FRANK T. (S'46-A'48), Tech. Asst. to Pres.,
 Topp Industries, Inc., Los Angeles 45, Calif.

 JOHNS, OTTO, JR. (S'54-A'56), Deslgn & Dev. Engr.,
 RCA, Harrison, N. J.

 JOHNS, DONALD M. (A'55), Tech. Asst., Northern Electric
 Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.

 JOHNS, JAMES F. (M'5B), Head, Materials & Devices, Electronic Equipments Div., Litton Industries, Inc., 2205 Stoner
 Ave., W., Los Angeles 64, Calif.

 JOHNS, JAMES H. (S'52-A'53-M'57), Electronics Engr.,
 Chance-Vought Aircraft, Dallas, Tex.

 JOHNS, JEFFREY G. (A'55), V.P., Engrg., Associated
 Dynamics, Ltd., 1206 Wharf St., Victoria, B.C., Canada.

 JOHNS, MAURICE W. (A'54), Mgr., Dayton Military Laison
 Office, Librascope, Inc., 33 W. 1st St., Dayton 2, Ohio.

 JOHNS, NICHOLAS H. (S'48-A'49-M'55), Prod. Design Engr.,
 Data Control Systems, Inc., 39 Rose St., Danbury. Com.

 JOHNS, ROBERT R. (SM'57), Sr. Electronics Engr., Motorola Riverside Research Lab., Riverside, Calif.

 JOHNS, SAMUEL E., JR. (M'55), Head, Electronics, Go
 Oil Well Services, Inc., Box 1936, Ft. Worth, Tex.

 JOHNS, WILLIAM D. (M'59), 33 S. Alves St., Henderson,
 K.Y.,
 JOHNSEN, NORMAN B. (M'57), Engr., Stone & Webster

- JOHNSON, NORMAN B. (M'57), Engr., Stone & Webster Engrg. Corp., 49 Federal St., Boston, Mass.
 JOHNSON, A. BARRY (S'48-A'51-M'58), Sr. Engr., Melpar, Inc., 11 Galen St., Watertown, Mass.
 JOHNSON, AARON H. (M'56), Electronics Engr., Crosley Research Lab., 750 Commonwealth Ave., Boston 15, Mass.
 JOHNSON, AARON W. (A'56), Instr., U.S. Government-Warrenton Training Center, Warrenton, Va.
 JOHNSON, ALAN F. (M'57), Semiconductor Project Engr., Sperry Rand Corp., South Norwalk, Conn.
 JOHNSON, ALFRED C. (S'56-M'57), Field Engr., Hazeltine

- Sperry Rand Corp., South Norwalk, Conn.
 JOHNSON, ALFRED C. (S'56-M'57), Field Engr., Hazeltine
 Electronics Corp., Little Neck 62, L.I., N.Y.
 JOHNSON, ALLEN B. (S'56-M'57), Jr. Engr., Bell Aircraft Co., Box 1, Buffalo, N.Y.
 JOHNSON, ANDREW B. (A'58), Dev. Engr., "B", McDonnell
 Aircraft, St. Louis, Mo.
 JOHNSON, ARDEN C. (M'57), Supvg. Engr., Radio, Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 26, Mich.
 JOHNSON, ARTHUR E. JR. (S'50-A'51-M'57), Sr.
 Engr., Hazeltine Electronics Corp., 31-33 Stewart
 St., Floral Park, L.I., N.Y.
 JOHNSON, ARTHUR R. (A'47), Asst. Sta. Engr. WLS
- JOHNSON, ARTHUR R. (A'47), Asst. Sta. Engr., WLS Transmitter, Tinley Park, III. JOHNSON, BENJAMIN F. (S'54-M'55), Electronics Engr., Hughes Aircraft Co., Culver City, Calif. JOHNSON, BENNY F. (S'54-M'55), 1st Lt., USAF, MIT, Cambridge 39, Mass.
- JOHNSDN, BERTRAM (M'57), Jr. Engr., Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.
- JOHNSON, BRUNO F. (A'53), Owner, Johnson Electronics, 54 Hawthome St., Brooklyn 25, N.Y. JOHNSON, BYRON H. (A'56-M'59), 202 Parmelee Dr., Mentor,

- Unio.

 JOHNSON, BYRON M. (S'50-A'52), Research Engr., Stanford Research Institute, Menio Park, Calif.

 JOHNSON, CARL A. (4'7-M'55), Supvy. Electronics
 Maint. Techniclan, FAA, Box 440, Anchorage, Alaska.

 JOHNSON, CARL A. (M'57), Elec. Engr., Remington Rand

 Univac, St. Paul 16, Minn.

- Univac, St. Paul 16, Minn.

 JOHNSON, CARL E. (S'49-4'99-M'55), Project Engr., Telecomputing Corp., 1283B saticoy St., North Hollywood, Calif.

 JOHNSON, CARL E. (S'57-M'59), Prod. Engr., Sylvania Elec. Prods., Inc., Broad St., Montoursville, Pa.

 JOHNSON, CARL W. (S'54-M'55), Research Engr., California Tech. Jet Propulsion Lab., 4B00 Oak Grove Dr., Pasadena 3, Calif.

 JOHNSON, CARL W. (S'56-M'57), Engr., RCA, Camden 2, N.J.

 JOHNSON, CECIL K. (A'46-M'4B), Communications-Electronics Officer, USAF, Home: 1107 W. 15 St., Portales, N.M.

 JOHNSON, CHARLES D. (A'55-M'59), Major, USAF

- JOHNSON, CHARLES D. (A'55-M'59), Major, USAF, Project Officer, Washington, D.C., Home: BOO E. Marshall, Falls Church, Va.
- JOHNSON, CHARLES L., JR. (S'51-A'53-M'5B), Patent Atty., Nuclear Prods., Erco Div., ACF industries, Inc., Box 5, Riverdale, Md.
- JOHNSON, CHARLES M. (S'56-M'57), Instr., Electronics
 Dept., Provincial Institute of Technology & Art, 10 St. &
 16 Ave., Calgary, Alta., Canada.

 JOHNSON, CHARLES W. (A'48-M'55), Engr., GE Co.,
 Syracuse, N.Y.
- Syracuse, N. Y.

 JOHNSON, CHARLES W. (S'54-A'54-M'59), Sr. Engr.,
 Martin Co., Orlando, Fla.

 JOHNSON, CHARLES W. (M'5B), Techniques Coordinator,
 Sperry Gyroscope Co., Electronic Tube Div., Great Neck,
 L.I., N.Y.
- L.I., N.Y.
 JOHNSON, CHARLES Y. (S'41-A'44-M'55), Physicist,
 Naval Research Lab., Washington 25, D.C.
 JOHNSON, CLARENCE L. (A'53), Mai., USAF, Analysis
 & Computation Div., Holloman AFB, N.M.
 JOHNSON, CLARKE C. (S'56-M'57), Communications
 Officer, 750th AC&W Sqdn., USAF, Boron AFB, Calif.
 JOHNSON, CLAUDE W. (S'56-M'57), Electronics Engr.,
 USAF, APO 633, New York, N.Y.
 JOHNSON, CRAIG I. (S'56-M'57), Lt. ig., USN, Flight
 Instr., NABTC, BTG-35 Utilities NAAS, Whiting Field,
 Milton, Fla.
 JOHNSON, CURT I. (SM'59), Genl, Mgr., IBM, Owene, N.
- JOHNSON, CURT I. (SM'59), Genl. Mgr., IBM, Owego, N.Y. JOHNSON, CURTIS C. (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.

- JOHNSON, DANA H. (A'53-SM'58), Head, Tech. Information Staff, Systems Dev. Labs., Hughes Aircraft Co., Culver City, Calif.
- City, Calif.

 JOHNSON, DARRELL L. (S'58-M'59), Field Engr., Western Electric Co., El Paso, Tex.

 JOHNSON, DAVID L. (M'48-5M'51), Prof. & Head, Elec. Engr., Debt., Louisiana Polytechnic Institute, Ruston, La.

 JOHNSON, DELBERT L. (S'53-M'54), Electronics Engr., ITT Labs., 3702 E. Pontiac, Ft. Wayne 1, Ind.

 JOHNSON, DERRELL Q. (S'53-M'57), Elec. Engr., Sperry Utah Engr., Lab., Salt Lake City, Utah, JOHNSON, DICK G. (A'56), Instrumentation Service Head, Datacraft instrument Co., 3614 W. 144 Pl., Hawthome, Calif.

- JOHNSON, DON E. (SM'56), Owner-Operator, Donal Labs., 3139 S.W. Altadena, Portland I, Ore. JOHNSON, DONALD E. (A'53), Patent Atty., 1001 Federal Researve Bank Bidg., Kansas City 6, Mo.
- JOHNSON, DONALD E. (S'56-M'57), 2909 Oakland Rd., Cedar Rapids, Jowa
- Cedar Rapids, lowa.

 JOHNSON, DONALD L. (S'56-M'5B), Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.
 JOHNSON, DONALD R. (S'58-M'59), Elec. Design Engr., Lockheed Aircraft Corp., LMSD, Sunnyvale, Calif.
 JOHNSON, DONALD S., JR. (A'53), Research Engr., Ball Bros. Research Corp., Boulder Industrial Park,
 Boulder, Colo.
- JOHNSON, DONN A. (A'52-M'57), Elec. Design Engr., The National Cash Register Co., S. Maine & K Sts., Dayton 9, Ohio.
- JOHNSON, DOUGLAS M. (M'58), Asst. Project Engr., Temco Aircraft Co., Majors Field, Greenville, Tex. JOHNSON, DUKE E. (S'54-M'57), Electronics Engr., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.
- JOHNSON, DWIGHT E. (S'54-A'55), Liaison Engr., Hazeltine Electronics Div., Little Neck, L.I., N.Y. JOHNSON, DWIGHT W. (S'56-M'58), Electronics Engr., Bendix Aviation Coro., 95 & Troost Sts., Kansas City, Mo., JOHNSON, E. CALVIN (S'45-A'52-SM'56), Head, Computer Dev. Detr., Bendix Aviation Research Div., Box 5115, Detroit 35, Mich.
- Box 5115, Detroit 35, Mich.

 JOHNSON, EARL F. (A'52-M'57), Secy., Internati. Rectifier of Canada, Ltd., 1561 Bank St., Ottawa 1, Ont., Canada.

 JOHNSON, EARL J. (S'55-M'57), Electronics Engr., Motoroila Research Lab., 8330 Indiana Ave., Riverside, Calif.

 JOHNSON, EARL M. (A'41-M'44-SM'47), Pres., Pete Johnson Broadcasting Co., Kanawha Hotel, Charleston, W. Va.

 JOHNSON, EARL W. (A'52-M'57), Geophysical Lab. Supt., Cities Service Oil Co., Bartlesville, Okla.

 JOHNSON, EDGAR F. (A'27-VA'39-M'55), Pres., E.F.

 Johnson Co., 206 2nd Ave., S.W., Waseca, Minn.

 JOHNSON, EDWARD O. (S'46-A'49-M'52-SM'5B), Mgr.,
 High Temperature Prods, RCA Semiconductor Div.,
 Somerville, N.J.

 JOHNSON, EDWARD W., JR. (A'51-M'55), Research Engr.

- JOHNSON, EDWARD W., JR. (A'51-M'55), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16,

- NO. Amer. Aviation, 4300 E. 5 Ave., Columbus 18, Ohio.

 JOHNSON, EDWIN M. (A'50-M'55), Engr., GE Co., Ithaca, N.Y.

 JOHNSON, EINAR C. (SM'52), Asst. Supt., Radio Div., AEEL, U.S. Naval Air Development Center, Johnsville, Pa. JOHNSON, ELLSWORTH L. (M'56), Mgr., Tech. Information, IBM, Kingston, N.Y.

 JOHNSON, ENEST O. (A'29-VA'39-SM'4B), Engr., RCA Victor TV Div., Camden B, N. J.

 JOHNSON, EUGENE L. (M'57), TechRep. Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 JOHNSON, EUGENE P., JR. (S'54-A'55), Staff Engr., Hydel, Inc., 224 Crescent St., Waitham 54, Mass.

 JOHNSON, F. L. (M'46), Sun Oil Co., 160B Walnut St., Philadelphia 3, Pa.

 JOHNSON, FRAMK (SM'5B), Asst. Mgr., Support Provision-
- Philadelphia 3, Pa.
 JOHNSON, FRANK (SM'5B), Asst. Mgr., Support Provisioning Dept., Martin Co., Baltimore 3, Md.
 JOHNSON, FRANK H. (S'4B-A'49-M'55), Dev. Engr.,
 ITT Labs., Nutley 10, N.J.
 JOHNSON, FRANK M. (M'57), Dev. Engr., RCA, Camden,
 N.J.

- JOHNSON, GRANNER (M'57), Dev. Engr., RCA, Camden, N.J.
 JOHNSON, FRED P. (S'56-M'57), Systems Engr., GE Co.,
 Syracuse, N.Y.
 JOHNSON, FREDERICK L. (A'54), Capacitor Specialist,
 GE Co., 570 Lexington Ave., New York, N.Y.
 JOHNSON, FREDERICK W. (A'52-M'57), Group Head,
 Collins Radio Co., Cedar Rapids, Iowa.
 JOHNSON, G. DOUGLAS (A'46-SM'52), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 JOHNSON, G. LAWTON (SM'45), Owner, G. Lawton Johnson
 & Associates, Lyme, N.H.
 JOHNSON, GARDNER (A'45-SM'56), Sr. Project Engr.,
 Servomechanisms, Inc., 3744 Wade St., Los Angeles 66,
 Calif.
- Servomechanisms, Inc., 3744 Wade St., Los Angeles 66, Calif.

 JOHNSON, GEORGE D. (S'54-M'55), Radar Engr., Texas Instuments, Inc., 6000 Lemmon Ave., Dallas 9, Tex. JOHNSON, GEORGE H. (S'49-A'51-M'56), Engr., Editor, Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul 4, Minn.

 JOHNSON, GEORGE L. (S'49-A'51-M'58), Supvr., Circult Engr., HMED, GE Co., Syracuse, N.Y.

 JOHNSON, GEORGE S. (A'37-M'55), Genl. Mgr., Albuquerque Broadcasting Div, KSTP, Inc., KOB, KOB-TV, 1430

 Coal Ave., S.W., Albuquerque, N.M.

 JOHNSON, GEORGE W. (A'53), Advisory Engr., IBM, Space Guidance & Control System, Owego, N.Y.

 JOHNSON, GLORGE W. (A'53), Advisory Engr., IBM, Space Guidance & Control System, Owego, N.Y.

 JOHNSON, GLIBERT A. (S'54-M'57), Electronics Engr., AC Spark Plup, 7929 S. Howell, South Milwaukee, Wis.

 JOHNSON, GLIBERT L. (S'54-M'57), Electronics Engr., USAF, WCTEX-1, Wright-Patterson AFB, Ohlo.

 JOHNSON, GLEBRI A. (M'53), Chief Electronics Engr., USAF, WCTEX-1, Wright-Patterson AFB, Ohlo.

 JOHNSON, GLEBN A. (M'53), Chief Electronics Engr., United Mfo. Co., 3401 N. California Ave., Chicago 18, III.

- JOHNSON, GOLDEN O. (M'55), Production Mgr., Concord Control, Inc., 1282 Soldiers Field Rd., Boston 35, Mass. JOHNSON, GORDON M. (M'5B), Asst. Project Engr., Bendix Radio Div., Towson, Md.
- JOHNSON, GUST E. (M'56), 1425 Thomas Dr., Las Cruces, DONSON, GUY D., JR. (A'3B-VA'39-M'55), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

- 235 -HOL-HOL

- JOHNSON H. RICHARD (S'45-A'51-SM'55), V.P., Watkins-Johnson Co., 3333 Hillview Ave., Palo Alto, Calif.
 JOHNSON, HAROLD (M'56), Group Head, Litton Industries,
 336 N. Foothill Rd., Beverly Hills, Calif.
 JOHNSON, HAROLD A. (S'54-A'55), Supvr., Dev. Engrg.
 Sect., Hammond Organ Co., 2915 N. Western, Chicago, III.
 JOHNSON, HAROLD A. (A'51-M'58), Operations Mgr., Photon, Inc., 58 Charles St., Cambridge 41, Mass.
 JOHNSON, HAROLD E. (A'46), Sr. Lab. Tech., ITT Labs.,
 Nxtley 10, N.J.
 JOHNSON MARPER, JR. (S'38-A'39-M'55), Mgr., Planning

JUNNSUN, HAROLD E. (A'46), Sr. Lab. Toch., ITT Labs., Nutley 10, N.J.
JOHNSON, HARPER, JR. (S'38-A'39-M'55), Mgr., Planning Dept., Supreme Electronics Corp., Greemwood, Miss.
JOHNSON, HARRY G. (S'55-M'58), Engr., Test Engrg., AC Spark Plug Div., Flimt 2, Mich.
JOHNSON, HARRY W. (S'55-M'57), Elec. Engr., Lake Shore, Inc., Iron Mountain, Mich.
JOHNSON, HARWICK (SM'45), Research Engr., RCA Labs., Princeton, N. J.
JOHNSON, HERRY C. L. (A'50), V.P., J. Walter Thompson Co., 420 Lexington Ave., New York, N.Y.
JOHNSON, HERRY W. (A'36-SM'47), Mgr., Operations, License Dept., RCA Internatl. Div., 30 Rockefeller Plaza, New York 20, N.Y.
JOHNSON, HERBERT A. (S'51-A'54-SM'58), Electronics Engr., Interstate Electronics, 707 E. Vermont, Anaheim, Calif.
JOHNSON, HERBERT C. (A'154). Electronic S.

Engr., Interstate Electronics, 707 E. Vermont, Anaheim, Calif.

JOHNSON, HERBERT G. (A'56), Electronics Design Engr., P.O. Box 638, Benson, Ariz.

JOHNSON, HOBART W. (M'56), Engr.-in-Chg., Laurel Monitoring, FCC, Box 31, Laurel, Md.

JOHNSON, HOWARD B. (A'55), Engr., Electronic Engrq. Co. of California, 1601 E. Chestrut Ave., Santa Ana, Calif.

JOHNSON, HOWARD C. (S'56-M'58), Mem. Tech. Staff, 8ell Tel. Labs., Murray Hill, N.J.

JOHNSON, HOWARD S. (A'44), Supvr., Primary Standards Lab., Martin Co., Box 179, Denver, Colo.

JOHNSON, HOWATD S. (A'44), Supvr., Primary Standards Lab., Martin Co., Box 179, Denver, Colo.

JOHNSON, HOWITT L. (A'52), District Sales Mgr., GE Co., 516 D St., South Charleston, W. Va.

JOHNSON, J. KENLEY (A'25-M'35-SM'43-F'49), Consulting Engr., 184 South Ave., New Canaan, Conn.

JOHNSON, J. KENLETH (SM'55), Market Planning Administrator, RCA, Lancaster, Pa.

JOHNSON, J. RICHARD (M'46), Tech. Writer, Editor & Consultant, Carey Rd., Flanders, N.J.

JOHNSON, J. STUART (SM'54), Dean, College of Engrg., Wayne State Univ., Detroit 2, Mich.

JOHNSON, JACOB N. (S'57-M'59), 3853 15 Ave., S., Minneapolis 7, Minn.

JOHNSON, JACOB R. (S'50-A'52-M'54), Project Engr., 18M, Proublikeepsie N.Y.

minneapoils /, Minn. JOHNSON, JACOB R. (S'50-A'52-M'54), Project Engr., I8M, Poughkeepsie, N.Y. JOHNSON, JAMES F. (A'40-M'42-SM'44), Pres., Chief Engr., Signal Equipment Co., Inc., 2706 3rd Ave., Seattle 1, Wash.

1, Wash.

JOHNSON, JAMES F. (S'55-M'58), Systems Test Engr., Convair, San Diego, Calif.
JOHNSON, JAMES H. (M'58), Sales Mgr., Knowles Electronic, Inc., 10545 Anderson Pl., Franklin Park, Ill.
JOHNSON, JAMES H. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
JOHNSON, JAMES S. (S'47-A'48-M'55), Pres. & Genl. Mgr., Electro-Pulse, Inc., 11861 Teale St., Culver City, Calif.

Calif.

JOHNSON, JAMES T. (M'56), Sales Mgr., Radiation Counter
Labs., Inc., 5121 Grove St., Skokie, III.

JOHNSON, JARED A. (S'54-M'56), Field Engr., MinneapolisHoneywell Regulator, Co., Minneapolis 8, Minn.

JOHNSON, JAP H. (A'47-M'55), Pres., Johnson & Hoffman
Mfg. Corp., 31 E. 2nd St., Mineola 1, L.I., N.Y.

JOHNSON, JEROME A. (S'55-M'58), Project Engr., Motorola,
Inc., 4501 Augusta Blvd., Chicago 51, III.

JOHNSON, JERNY O. (S'57-A'58), Test Design Technician,
GE Co., Utica, N.Y.

JOHNSON, JOHN B. (M'40-SM'43-F'51), Head, Physics
Dett., Edison Lab., Tios. A. Edison, Inc., 51 Lakeside
Ave., West Orange, N.J.

JOHNSON, JOHN 8. (A'46), Partner, Crocker-Johnson Co.,

Ave., west urange, N.J.
JOHNSON, JOHN 8. (A'46), Partner, Crocker-Johnson Co.,
820 Valencia, San Francisco 10, Calif.
JOHNSON, JOHN D. (S'49-A'51-M'56), Project Engr., IBM,
Poughkeespie, N, Y.
JOHNSON, JOHN G. (SM'56), Col., U.S. Army, Chief Signal
Sect., Army Sect., MAAG Taiwan, APO 63, San Francisco,
Calif.

JOHNSON, JOHN G. (SM'56), Col., U.S. Army, Chief Signal Sect., Army Sect., MAAG Taiwan, APO 63, San Francisco, Calif.
JOHNSON, JOHN L. (S'41-A'43-SM'52), Supvg. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md. JOHNSON, JOSEPH E. (S'52-M'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
JOHNSON, JOSEPH H. (A'55), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.
JOHNSON, KESPH H. (A'55), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.
JOHNSON, KENNETH E. (A'45), Transmitter Supvr., KJBK-TV., Storer Broadcasting Co., Detroit. Mich.
JOHNSON, KENNETH E. (A'45), Transmitter Supvr., KJBK-TV., Storer Broadcasting Co., Detroit. Mich.
JOHNSON, KENNETH E. (S'50-A'53-M'57), Research Engr., Boeing Airplane Co., Seatle 25, Wash.
JOHNSON, KENTR. (S'47-A'55), Mem. Tech. Staff, Lincoln Lab., MIT, Lexington 73, Mass.
JOHNSON, KERMIT D. (SM'55), Mgr., Production Engrg., GE Co., Owensboro, Ky.
JOHNSON, L., ENSIGN (M'56), Prod. Line Mgr., Aladdin Electronics, Murfreesboro Rd., Nashville, Tenn.
JOHNSON, LAMBERT L. (A'42-M'55), Sr. Engr., ITT Labs., 3702 E. Pontiac St., Ft. Wayne, Ind.
JOHNSON, LAMBERT L. (A'45-M'55), Sr. Engr., ITT Labs., 3702 E. Pontiac St., Ft. Wayne, Ind.
JOHNSON, LAMCEP. (SM'58), Asst. Mgr., Hughes Aircraft Co., El Segundo, Calif.
JOHNSON, LARRY R. (S'57-M'59), Electronic Engr., Signal Communications Deot., U.S. Army Electronic Proving Grounds, Ft. Huachuca, Ariz.
JOHNSON, LAWRENCE W. (M'54), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
JOHNSON, LEDEL (S'46-A'51), Engr., Permuth Electronic Associates, 23 2nd Ave., San Mateo, Calif.
JOHNSON, LEDRARD W. (A'54-M'55), Chief, 8-52
Electronics & Armament Unit, Aircraft Branch, Maint. Engr., Services Div., Oklahoma City Air Material Area (A.M.C.), Tinker AF8, Okla. Tinker AF8, Okla.

JOHNSON, LE ROY F., JR. (S'57-M'59), 5244 W. Stevens St., Seattle 16, Wash.
JOHNSON, LESLIE E. (A'53), Engrg. Asst., Collins Radio Co., Cedar Rapids, lowa.
JOHNSON, LESLIE R. (A'40-M'55), 811 Main St.,
Kansas City 5, Mo.

Kansas Čity 5, Mo.

JOHNSON, LESTER C. (S'54-A'55), Mem. Tech. Staff,
Bell Tel. Labs., Whippany, N.J.

JOHNSON, LESTER M. (M'54), Electronics Engr., Martin
Co., Orlando, Fla.

JOHNSON, LOUIS B. (S'47-A'48-M'55-SM'56), Mgr.,
Equipment & Components Engrg., Lenkurt Electric Co., Inc.,
1105 Old Country Rd., San Carlos, Calif.

JOHNSON, LOWELL E. (S'41-A'44-M'49), District Mgr.,
Cook Electric Co., 5009 Excelsior Blvd., Minn.

MINITED JOHNSON, MAJOR A. (A'51-M'53), Consulting Engr., HMED, GE Co., Syracuse, N.Y.
JOHNSON, MARCUS, JR. (S'58-A'59), Electronics Technician, Radio Mfg. Engineers, Inc., 501 Walnut, Washington, III.

Technician, Kadio Mrg. Engineers, Inc., 201 Walniur, Washington, Ill.
JOHNSON, MARVIN C. (S'48-A'50-M'55), Engrg. Supvr., Illinois Bell Tel. Co., 212 W. Washington, Chicago, Ill.
JOHNSON, MARVIN E. (S'53-A'54), Chief Engr., WHLN, Radio Harlan, Inc., 5. Main St., Harlan, Ky.
JOHNSON, MARVIN H. (M'58), Digital Computer Application Specialist, U.S. Army, Det. A, USARGMA, Redstone Arsenal, Ala.
JOHNSON, MARWIN R. (SM'46), Mgr., Armament & Control Sect., LMEO, GE Co., 600 Main St., Johnson City, N.V.
JOHNSON, MAURICE P. (M'57), Design Engr., Westinghouse Elec. Corp., Friendship Internal1, Airport, Baltimore, Md.
JOHNSON, MAXWELL W. (A'51-M'53), Research Analyst, Engineered Magnetics, Hawthorne, Calif.
JOHNSON, MELVIN E. (S'54-A'55), Elec. Engr., Westinghouse Elec. Corp., Box 2025, Buffalo 5, N.Y.
JOHNSON, MILTON R., JR. (SM'56), Prof., Elec. Engr.,
RCA Victor, Moorestown, N.J.

JOHNSON, MILTON R., JR. (SM*56), Prof., Elec. Engrg., Louisiana Polytechnic Institute, 8ox 255, Tech. Sta., Ruston, La.

Ruston, La.

JOHNSON, MILUM D. (M'55), Suovr., Data Handling Sect.,
ARO, Inc., 8ox 162, Tullahoma, Tenn.

JOHNSON, MURRAY E. (A'55-M'58), Municipal Signals,
Equipment & Systems Engr., Northern Electric Co., Ltd.,
250 Sidney St., Belleville, Ont., Canada.

JOHNSON, NEIL C. M. (A'56), Engr., Westinghouse Elec.
Corp., Baltimore 3, Md.

JOHNSON, NELS (M'45-SM'53), Chief Engr., Philoo
Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
JOHNSON, NORMAN P. (S'58-A'58), Box 178, Granum,
Alta., Canada.

JOHNSON, NORMAN P. (S'58-A'58), Box 178, Granum, Alta., Canada.

JOHNSON, ORLANDO E. (S'51-A'53-M'58), Research Engr., Boeing Airplane Co., Seattle, Wash.
JOHNSON, OSCAR F. (S'56-M'58), Jr. Engr., Houston Lighting & Power Co., 8ox 1700, Houston Z., Tex.
JOHNSON, PAUL B. (A'44-M'46), Dir., Non-Resident Training, USAF Technical School, Technical Training AF, Air Training Command, USAF, Scott AF8, III.
JOHNSON, PAUL C. (S'48-A'50-M'55), Project Group Head, Raytheon Mfg. Co., Wayland, Mass.
JOHNSON, PAUL T. (S'57-M'59), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.
JOHNSON, PETER M. (M'56), Publications Engr., Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif.
JOHNSON, PHILIP A. (S'58-M'59), Purch. Engr., Westinghouse Elec. Corp., Baltimore, Md.
JOHNSON, PHILIP S. (M'54), Principal Engr., Bendix Radio Div., Baltimore 4, Md.
JOHNSON, PIERCE, JR. (A'58), Lt. Jg., USN, Chlef of Naval Operations, Washington 25, D.C.
JOHNSON, PESSTON B. (S'56-M'58), Assoc. Engr.,

JOHNSON, PIERCE, JR, (A'58), Lt. Jg., USN, Chlef of Naval Operations, Washington 25, D.C.

JOHNSON, PRESTON B. (S'56-M'58), Assoc. Engr., Martin Co., Orlando, Fla.

JOHNSON, RALPH A. (S'48-A'52-M'52-SM'56), Rep., Radiation, Inc., Melbourne, Fla.

JOHNSON, RALPH E. (S'52-M'57), Engr., Oaystrom Pacific Corp., 9320 Lincoln 8lvd., Los Angeles 45, Calif. JOHNSON, RALPH E. (A'50), Deputy Dir., U.S. Govt. Integrated Communications System Alaska, 204 E. 5 Ave., Anchorage, Alaska.

JOHNSON, RALPH M.W. (A'43-M'45-SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

JOHNSON, RALPH M. (SM'58), V.P., Research & Dev., The Ramo-Wooldridge Corp., 5730 Arbor Vitae St., Los Angeles 45, Calif.

JOHNSON, RALPH W. (A'56), Microwave Maint. Supvr., Sinclair Pipe Line Co., Independence, Kan.

JOHNSON, RAYMOND (A'56), Assoc. Electronics Engr., RCA Service Co., Camden 8, N.J.

JOHNSON, RAYMOND L. (M'57), Staff Engr., Carrier & Radio, Automatic Electric Sales Corp., 21 E. 40 St., New York 16, N.Y.

JOHNSON, RAYMOND L., JR. (M'56), Sales Myr., N.Y.

JOHNSON, RAYMOND L., JR. (M'56), Sales Mgr., Teletronics Lab., Inc., 54 Kinkel St., Westbury, L.I., N.Y. JOHNSON, REX V. (S'51-A'53), Dev. Engr., RCA, Moores-town, N.J.

town, N.J.
JOHNSON, REYNOLD 8. (SM'58), Research Engr., I8M,
San Jose, Calif.
JOHNSON, RICHARD A. (A'45-M'52), Chief Engr., Systems
Research Labs., 300 Woods Dr., Dayton 3, Ohio.
JOHNSON, RICHARD A. (A'55), Assoc. Prof., Syracuse
Univ., Syracuse, N.Y.
JOHNSON, RICHARD A. (S'53-A'54-M'56), Asst. Prof.,
Univ. of Manitoba, Winnipeg 9, Man., Canada.
JOHNSON, RICHARD C. (M'57), Asst. Research Physiciat,
Georgia Institute of Technology, Atlanta 13, Ga.
JOHNSON, RICHARD E. (M'54), Dev. Engr., GE Co.,
Schenectady, N.Y.

Schenectady, N.Y. JOHNSON, RICHARD E. (M'56), Design Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis 14, Minn.

14, Mrinn.
JOHNSON, RICHARD E. (A'45-M'55), Engrg. Oept., CBS
Television, 7800 Beverly Blvd., Los Anyeles 36, Calif.
JOHNSON, RICHARD M. (M'51), Sales Mgr., Internatl.
Resistance Co., 112 Montgomery St., Syracuse 2, N.Y.
JOHNSON, RICHARD N. (S'50-A'51-M'56), Dev. Sopvr.,
Diamond Ordnance Fuze Labs., Washington 25, D.C.

JOHNSON, RICHARD O. (S'56-A'58), Electronics Technician, Sandia Corp., Sandia Base, Albuquerque, N.M.
JOHNSON, RICHARD R. (A'56), Sr. Project Engr., AC Spark
Plug, 1825 Kenni WorthA ve., Milwaukee, Wis.
JOHNSON, ROBERT C. (A'56), Instr., Buffalo Radio Institute,
45 W. Mohawk; Broadcast Technician, WGR-TV, 184 Barton
St., Buffalo, N.Y.

St., Buffalo, N.Y.

JOHNSON, ROBERT C. (A'58), Jr. Delsgn Engr., Thompson Prods., 1454 E. North St., Decatur, Ill.

JOHNSON, ROBERT D. (S'47-A'49-SM'55), Systems Dir., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif.

JOHNSON, ROBERT E. (M'57), Dev. Engr., Goodyear Aircraft Corp., Akron, Ohio.

JOHNSON, ROBERT E. (S'51-A'53-M'57), Radio Engr., United Air Lines, San Francisco Airport, San Francisco, Calif.

JOHNSON, ROBERT E. (S'57-M'58), Assoc. Engr., Minneapolis-Honeywell Regulator Co., 13350 U.S. Hwy. 19, St. Petersburg, Fla.

JOHNSON, ROBERT G. (M'55), Sr. Research Physicist, Minneapolis-Honeywell Regulator Co., Research Center, Hopkins, Minn.

JOHNSON, ROBERT J. (A155), Engr., Martin Co., Orlando,

Fla.
JOHNSON, ROBERT J. (M'58), Project Engr., RCA Service
Co., Home: 419 Dianne Dr., Eau Gallie, Fla.
JOHNSON, ROBERT K. (S'48-A'51-M'56), Engr., R. M.S.
Associates, Inc., 112 W. Boston Post Rd., Mamaroneck,
N.Y.

Associates, Inc., 112 W. Boston Post Rd., Mämaroneck, N.Y.

JOHNSON, ROBERT M. (S'50-A'51-S'53-M'56), Sr. Design Engr., Apparatus & Optical Div., Eastman Kodak Co., 400 Plymouth Ave., N., Rochester, N.Y.

JOHNSON, ROBERT M. (A'52-M'58), Mgr., Testing Lab., IBM, Endicott, N.Y.

JOHNSON, ROBERT M. (S'3B-A'40-M'55), Lt. Col., U.S. Army, Signal Corps, Chief, Nuclear Surveillance Div., U.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.

JOHNSON, ROBERT M. (A'55), Mgr., Govt. Sales & Services, CE Co., 777 14 St., N.W., Washington, D.C.

JOHNSON, ROBERT R. (S'50-M'56), Project Engr., Granger Associates, 966 Commercial St., Palo Alto, Calif.

JOHNSON, ROBERT R. (S'50-M'56), Mgr., Computer Lab., GE Co., 951 Commercial St., Palo Alto, Calif.

JOHNSON, ROBERT T. (S'49-A'51-M'56), Staff Scientist, Lockheed Missile & Space Div., 3251 Hanover St., Palo Alto, Calif.

JOHNSON, ROBERT W. (S'56-M'57), Research Engr., Lock-

JOHNSON, ROBERT W. (S'56-M'57), Research Engr., Lock-heed Aircraft Corp., Missile Systems Div., Sunnyvale, Calif. JOHNSON, RODNEY W. (S'42-A'45-M'45-SM'49), Chief Engr., The R.W. Johnson Co., 9372 Hillview Rd., Anaheim, Calif.

UNION, RONALD L. (S'53-M'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
JOHNSON, ROY A. (A'55), Communications Technician, Cowley Electronic Services, Ltd., 10230 109 St., Edmonton, Alta., Canada.

JOHNSON, ROY L. (M'47), Dev. Engr., ITT Labs., Nutley 10, N.J.

JOHNSON, ROY M., JR. (A'55), 20 Coronado Ave., Salinas,

Calif.
JOHNSON, ROY R. (S'52-A'55), Research Fellow, Elec.
Engrg. Dept., Univ. of Minnesota, Minneapolis 14, Minn.
JOHNSON, RUSSELL R. (M'49-SM'57), Electronics Engr.,
A., Telecomputing Corp., 8ox 447, Holloman AF8, N.M.
JOHNSON, SAMUEL M. (A'57), 5952 St. Antoine, Detroit 2,

JOHNSON, STANLEY F. (M'55), Electronic Scientist, Naval Research Lab., Washington 25, 0.C.

JOHNSON, STANLEY L. (A'55), Electronic Scientist, Naval Research Lab., Washington 25, 0.C.

JOHNSON, STANLEY L. (A'55), Electronics Engr., Raytheon Mfg. Co., Wayland, Mass.

JOHNSON, STEPHEN, JR. (S'56-A'59-M'59), USN Electronics Lab., Code 1660A, San Diego 52, Calif.

JOHNSON, SYDNEY O. (S'51-A'51-M'55), Mgr., Transistor Advance & Design Engrq., CE Co., Syracuse 1, N.Y.

JOHNSON TESLA F. (S'56-M'58), Jr. Computer Engr., Southern Railway Co., Box 1808, Washington 13, D.C.

JOHNSON, THEODORE G. (A'58), Sales Engr., Digital Equipment Corp., Maynard, Mass.

JOHNSON, THEODORE T. (SM'59). Box 11, Oran. N.Y.

JOHNSON, THOMAS B. (M'57), 8ox 3002, Pompana Beach, Fla.

JOHNSON, TOM W. (\$'54-M'55), Research & Dev. Engr., Aquamatic, Inc., 2412 Grant Ave., Rockford, III. JOHNSON, VERN C. (A'56), Radar Technician, Convair, San Oiego, Calif.

Oiego, Calif.

JOHNSON, VERNON L. (S'49-A'50-M'55), Sr. Project Engr.,
ITT Labs., Nutley 10, N. J.

JOHNSON, VERNON N. (A'43-M'55), Electronics Engr.,
80eing Airplane Co., 3801 S. Oliver, Wichita, Kan.

JOHNSON, VICTOR H. (M'58), Field Engr., Bendix Radio
Div., 8attimore, Md.
JOHNSON, WALTER A. (S'53-M'56), Elec. Engr., Hughes
Aircraft Co., Culver City, Calif.
JOHNSON, WALTER C. (A'43-SM'48), Chmm., Elec. Engrg.,
0ept., Princeton Univ., Princeton, N. J.
JOHNSON, WALTER F. (S'49-A'50-M'55), Lt. Cmdr., USN,
Anti-Submarine Warfare Employment & Plans Officer, Cmdr.
in-Chief, Pacific Fleet, FPO, San Francisco, Calif.
JOHNSON, WALTER C. (M'58), 64 Ord. 8n., Ft. Sill, JOHNSON, WALTER G. (M'58), 64 Ord. 8n., Ft. Sill,

Okla

JOHNSON, WALTER H. (S'53-M'56), Field Engr., Martin
Co., 80x 878, AFMOC, Holloman AFB, N.M.

JOHNSON, WALTER J., JR. (S'49-A'50), Assoc. Engr.,
IBM, Research Lab., San Jose, Calif.

JOHNSON, WARREN C. (S'41-A'44-SM'54), Supvr., Research Engr., Tigns-50 Electric Co., 200 Bloomfield Ave.,
810omfield, N.J.
JOHNSON, WAVNE C. (A'47-M'55), Project Engr., Crostey
Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati Z5,
JOHNSON, WAVNE S. (A'57), Experimental Technician, Bendix
Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

Aviation Corp., 400 S. Beiger St., Misnawaka, Ind., JOHNSON, WESLEY R. (A'53-M'56), Research Engr., Boeing Airplane Co., 3B01 S. Oliver, Wichita, Kan. JOHNSON, WILDURA. (S'52-A'53-M'50), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. JOHNSON, WILLARO I. (M'58), Supvy. Elec. Engr., Ft.

Huachuca, Ariz.
JOHNSON, WILLIAM, JR. (S'51-A'53-M'58), Engrq. Asst.,
Hot Spot Detector, Inc., 214 3rd St., Des Moines 9, Iowa.
JOHNSON, WILLIAM C. (S'50-A'52-M'57), Sr. Engr., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va.

JON-JON - 236 -

JOHNSON, WILLIAM D. (A'44-M'44), Engr.-in-Chg., FCC, New York 14, N.Y. JOHNSON, WILLIAM G., JR. (S'51-A'52-M'57), TV Production Engr., GE Co., Syracuse, N.Y. JOHNSON, WILLIAM H. (A'52), Owner, 313 Throop Ave., Brooklyn 6, N.Y.

Brooklyn 6, N.Y.
JOHNSON, WILLIAM H. (A'53-M'56), Sr. Engr., Western
Electric Co., Greensboro, N.C.
JOHNSON, WILLIAM H. (M'54), Sales Mgr., Midwest
District, Altec Lansing Corp., 1515 S. Manchester Ave.,
Anaheim, Calif.

Anaheim, Calif.

JOHNSON, WILLIAM H., JR. (S'55-M'56), Grad. Asst., Univ. of Florida, Gainesville, Fla.

JOHNSON, WILLIAM H., (S'55-M'56), Statistician & Engr., Florida Power & Light Co., Box 3100, Miami, Fla.

JOHNSON, WILLIAM L. (S'57-M'59), 2854 Connor St., Salt Lake City, Utah.

JOHNSON, WILLIAM M. (S'58-M'59), Design Engr., Temco Aircraft Corp., Box 6191, Dallas, Tex.

JOHNSON, WILLIAM R. (M'56), Elec. Engr., Malco Electronics, 21 N. 3rd St., Minneapolis 11, Minn.

JOHNSON, WILLIAM R. (S'55-M'56), Elec. Engr., Meloar, Inc., 3000 Arington Blvd., Falls Church, Va.

JOHNSON, ALEXANDER T. (M'53), USAF, Home: Box 204, Falmouth, Mass.

∠U4, Faimouth, Mass.

JOHNSTON, C. WESLEY (M'56), Communications Engr.,
Calgary Power, Ltd., Calgary, Alta., Canada.

JOHNSTON, OAVIO H., JR. (S'53-A'53-M'57), Engr.,
Northwestern Bell Tel. Co., 906 High St., Des Moines,
Iowa.

10Wd.
JOHNSTON, DAVID L. (A'55), "A" Test Engr., Convair-Astronautics, San Diego 11, Calif.
JOHNSTON, DENIS L. (S'41-A'42-M'55), Consultant, Urwick, Ort. & Partners, Ltd., 29 Hereford St., London W1, England.

W1, England.
JOHNSTON, DONALO L. (A'53), Applications Engr., Costello & Co., 2740 S. La Cienega, Los Angeles 34, Calif.
JOHNSTON, EDWARD C. (S'48-A'55), Sr. Elec. Engr., Melpar, Inc., 3000 Arlington Blud., Falls Church, Va.
JOHNSTON, EOWARD L. (A'36-VA'39-M'55), Electronics Engr., Navy Detr., Bureau of Ships, 17 St. & Constitution Ave., Washington, D. C.

Ave., Washington, D.C.
JOHNSTON, EDWIN F., JR. (M'57), Electronics Engr.,
USAF (ATIC), Wright-Patterson AFB, Ohio.
JOHNSTON, EUGENE B. (M'59), Field Engr., ITT Labs.,
Nutley 10, N.J.
JOHNSTON, GEORGE D. (A'46-M'55), Supvr., Physical
Testing, Durez Oiv., Hooker Electrochemical Co., Walck
Rd., North Tonawanda, N.Y.
JOHNSTON, GEORGE I. (S'53-M'56), Dir., Research
Instrument Service, Univ. of Oregon Medical School, Portland 1, Ore.
JOHNSTON, HAROLO (S'52-A'53-M'58), Engr., Instru-

JOHNSTON, HAROLO (S'52-A'53-M'58), Engr., Instruments for Industry, 150 Glen Cove Rd., Mineola, L.I., N.Y. JOHNSTON, HAROLD S. (A'56), Electronics Engrg. Technician, Computing Devices of Canada, Box 508, Ottawa, Ort., Canada.

Ort., Canada.

JOHNSTON, HARRISON, IV (A'51-M'56), V.P., Vicon
Com., 1369 Industrial Rd., San Carlos, Calif.

JOHNSTON, JAMES E. (S'46-A'54), Sr. Electronics Engr.,
Research Center, American Ootical Co., Southbridge, Mass.

JOHNSTON, JOHN L. (A'49-M'55), Assoc. Prof., Industrial
Arts, Illinois State Normal Juliv., Normal, Ill.

JOHNSTON, JOHN M. (M'55), Design & Dev. Engr., RCA,
944 Fiske St., Pacific Palisades, Calif.

JOHNSTON, JOSEPH G. (A'46), Electronics Analyst, Shop
67, San Francisco Navau Shipyard, Hurters Point, San
Francisco 24, Calif.

Francisco 24, Calif.

JOHNSTON, KENNETH S. (A'52), Sales Engr., Special Prods., Rogers Electronics Tubes & Components, 116

Vanderhoof Ave., Toronto 17, Ont., Canada.

JOHNSTON, LOREN B. (S'53-A'55), Research Engr., RCA Labs., Princeton, N. J.

JOHNSTON, MARVIN H. (A'58), Llaison Engr., Lockheed Missile & Space Oiv., Box 504, Sunnyvale, Calif.

JOHNSTON, RALPH C. (S'53-M'57), Engr., MIT, Lincoln Lab., Lexington 73, Mass.

JOHNSTON, RALPH W. (S'51-A'52-M'56), Staff Engr., Bendix Systems Div., Ann Arbor, Mich.

JOHNSTON, RANSFORD J. (A'57), Supvr., Electronics
Support Group, Research & Dev. L&b., Shockley Transistor Corp., 391.5. San Antonio Rd., Mountain View, Calif.

JOHNSTON RICHARD W. (SM'56), Chief, Radiation

Corp., 391 S. San Antonio Rd., Mountain View, Calif.
JOHNSTON, RICHARD W. (SM'56), Chief, Radiation
Instruments Branch, U. S. Atomic Energy Commission,
Washington 25, D.C.
JOHNSTON, ROBERT H. (A'50-M'52), Midwest Oistrict
Mgr., Ampex Corp., 212 St. Charles Rd., Villa Park, III.
JOHNSTON, STEPHEN L. (S'42-A'44-M'51-SM'53), Electronic Scientist, Tech. Feasibility Studies Office, Redstone
Arsenal, Ala.

Arsenal, Ala.

JOHNSTON, STEWART N.A. (A'50), Operator, Sparton of Canada, Ltd., London, Ont., Canada.

JOHNSTON, THOMAS F. (M'47), Physicist, Chief, Acoustics Div., Naval Ordnance Lab., White Oak, Silver Spring, Md.

JOHNSTON, TUDOR W. (S'52-M'59), Research Scientist, RCA Victor Research Labs, 1001 Lenoir St., Montreal, P.Q., Canada.

P.Q., Canada.

JOHNSTON, WILLIAM A., JR. (M'53-SM'58), Project
Engr., Republic Missiles Systems Div., Mineola, L.I., N.Y.

JOHNSTON, WILLIAM A.R. (M'57), Engr., Manitoba
Power Co., Winnipeg, Man., Canada.

JOHNSTON, WILLIAM F. (A'53), TV Operational Engr.,
American Broadcasting Co., 7 W. 66 St., New York, N.Y.

JOHNSTON, WILLIAM H. (S'54-M'56), Elec. Engr., Melpar,
Inc., 3000 Arlington Bilvd., Falls Church, Va.

JOHNSTON, WILLIAM R. (M'59), Electronics Supvr.,
Telemeter Magnetics, Inc., 2245 Pontius Ave., Los
Angeles, Calif.

JOHNSTONE, CHARLES W. (SM'49), Project Engr., Schlumberger Well Surveying Corp., Box 2175, Houston, Tex.

JOHNSTONE, FREDERICK C. (S'50-A'51-M'56), Mgr., Application Engrg., Eitel-McCullough, Inc., 798 San Mateo Ave., San Carlos, Calif.

Ave., San Carlos, Calif.
JOHNSTONE, JOHN H. (SM'56), Sr. Engr., Red Bank Div.,
Bendix Aviation Co., Eatontown, N.J.
JOHNSTONE, NORMAN J. (A'52-M'57), Electronics Engr.,
Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9,
N.Y.

JOHNSTONE, PARKER N. (S'53-M'55), Sr. Engr., The Southern New England-Telephone Co., 277 Church St., New Haven 6, Conn.

Solution New Logiania - Leipitone Co., 277 Citarol St., New Haven 6, Conn.

JOHNSTONE, WILLIAM E. (M'58), Prod. Engr., Magnaflux Corp., 7300 W. Lawrence, Chicago 31, III.

JOINER, JOHNY 8. (A'52-M'55), Owner & Operator, J.B. Joiner Electric Co., 308-8 E. 34 St., Lubbock, Tex.

JOKINEN, RICHARD A. (S'53-M'55), Engr., Writer, Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

JOLAS, GEORGE C. (M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

JOLDA, JOSEPH M. (M'58), Instr., Worcester Junior College, 766 Main St., Worcester, Mass.

JOLINE, EVERETT S. (A'54), Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

JOLKOYSKI, JEAN (A'54-M'56), Pres., The Jay Co., 2420 Wilson Blvd., Arlington 1, Va.

2420 Wilson Blvd., Arlington 1, Va.

JOLLER, C. R. (A'42), Owner, Allison Park Electronics, 2548 Valley View Dr., Allison Park, Pa.

JOLLEY, NEALA. (SM'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

JOLLIFFE, CHARLES B. (M'25-F'30), V.P. & Tech. Dir., RCA, Princeton, N.J. & Canden, N.J. V.

JOLLY, EUGENE F. (S'55-M'58), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

JOLLY, JAMES A. (A'51-SM'56), Mgr., Mfg. & Industrial Engrg., Eltel-McCullough, Inc., 301 Industrial Way, San Carlos, Calif.

JOLLY, JON 8. (A'54-M'55), Sales Mgr., Power Sources.

JOLLY, JON 8. (A'54-M'55), Sales Mgr., Power Sources,

JOMERUCK, JOHN H. (S'57-M'58), 7209 Dorchester Lane, Greendale, Wis.

Greendale, Wis.
JONARD, HOWARO A. (A'48-M'56), Engr-in-Chg., Electronic instrumentation, Wheel & Brake Dev., Goodyear Air-Craft Coro., 2210 Massilion Rd., Akron 15, Ohio.
JONAS, ARTHUR (A'52-M'54), Sr. Engr., Internati.
Electronics Mfg. Co., Washington, D.C. Assigned to Cape Canaveral, Fla.

Cape Canaveral, Fla.
JONAS, KENNETH L. (M'57), Project Engr., Hughes
Aircraft Co., El Segundo, Callf.
JONAS, LEONARD K. (M'47), Chief Supvr., Training Engrg.
Extension Service, Texas A. & M. College, Box 236 F. E.,
College Station, Tex.

College Station, Tex.

JONDLE, JOHN J. (S'54-M'56), Engr., Sylvania Elec.
Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.

JONES, A. F. HORACE (S'57-A'57), Tech. Asst.,
Northern Electric Co., Sidney St., Bellville, Ont., Canada.

JONES, ALBERT C. (A'56), Administrative Asst. to Engrg.
Mgr., Western Military Electronics Center, Motorola, Inc.,
8201 E. McDowell, Phoenix, Ariz.

JONES, ALBERT W. (M'50), Sr., Dev. Engr., Nor-Westo
Communications, Ltd., Kenora, Ont., Canada.

JONES, ALFRED M. (S'55-M'57), Design Engr. Elec. Oata
Processing Oiv., RCA, Camden, N.J.
JONES, ALFRED M. (S'55-M'56), Cant. U. S. Army.

Processing Oiv., RCA, Camden, N.J. JONES, ALFRED H. (5'55-M'56), Capt., U.S. Army, Research Officer, Corporal Missile Div., Dept. of Materiel, U.S. Army Artillery & Missile School, Ft. Sili, Okla. JONES, ALFRED H. (S'57-A'58), Design Oraftsman, Martin Co., Orlando, Fla.

JONES, ALTNEU H. (S'37-A'58), Design Oraftsman, Martin Co., Orlando, Fla.

JONES, ALTON E. (S'49-A'50-M'56), Research Engr., Natl. Aeronautics & Space Agency, Beltsville Space Center, Washington 25, O.C.

JONES, ALUN R. (M'58), Asst. Research Officer, Atomic Energy of Canada, Ltd., Chalk River, Ont., Canada.

JONES, ANDREW F. (S'54-M'58), Assoc. Engr., Douglas Aircraft Co., Inc., Sacramento, Calif.

JONES, ANDREW H. (A'53-M'59), Oesign Engr., PCA Electronics, 16799 Schoenborn, Sepulveda, Calif.

JONES, ARTHUR F. (A'54), Prop., Sound & Acoustics Research, 20438 Almar Dr., Shaker Heights 22, Ohlo. JONES, ARTHUR F. (A'54), Prop., Oefense Planning, Avco Mfg. Corp., 420 Lexington Ave., New York 20, N.Y.

JONES, ASHTON B. (SM'47), Industrial Mgr., 9th Naval District & Suuvr., Shipbuilding, USN, Bidg. 3400, Great Lakes, Ill.

JONES, AUGUST H. (A'56), Mgr., A. H. Jones & Co.

Lakes, III.

JONES, AUGUST H. (A'56), Mgr., A. H. Jones & Co.,
6102 Evans Ave., Chicago 37, III.

JONES, AUGUSTUS J. (S'49-A'55), Elec. Engr.,
Reeves Instrument Co., Roosevelt Field, Mineola, L.I., N.Y.

JONES, BILLY H. (M'58), Instr., Electronics Engr., FAA,
Box 1082, Will Rogers Field, Oklahoma City, Okla.

JONES, BILLY J. (A'55), Asst. Project Mgr., Litton
Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.

JONES, BURLE R. (A'29-M'46), Missile Systems Div.,
Raytheon Mfg. Co., Oxnard, Calif.

JONES, C. HOWARD (M'45-SM'50), Asst. Mgr., Electronics
Dept., Westinghouse Research Lab., Churchill, Pa.

JONES, C. RICHARO (S'54-A'55), Elec. Engr., Hughes
Aircraft Co., Culver City, Calif.

JONES, CARL T. (A'54), Consulting Radio Engr., Gautney

Aircraft Co., Curver City, Calif.
JONES, CARL T. (A'54), Consulting Radio Engr., Gautney & Jones, 1052 Warmer Bidg., Washington 4, 0.C.
JONES, CARY B. (S'33-A'36-SM'45), Oir., Palo Alto Physicists, Box 1059, Palo Alto, Calif.; Project "M" Engr., Hansen Labs., Stanford Univ., Stanford, Calif.
JONES, CECIL T. (A'48-M'55), Div. Engr., Southeastern Underwriters Association, 327 Trust Co. of Georgia, Atlanta 2, Ga.

Underwriters Association, 327 Trust Co. of Georgia, Atlanta 2, Ga.
JONES, CHALMER E. (M'58), Genl. Mgr., Daystrom Systems, Mirsmar Rd., La Jolia, Calif.
JONES, CHARLES E. (M'48), Popular Science Lecturer, 2506 Aurora Terr., Alhambra, Calif.
JONES, CHARLES L. (A'58), Asst. Sect. Chief, Navalds, FAA, 4825 Troost St., Kansas City, Mo.
JONES, CLARENCE I. (S'49-A'51-M'57), Engr., Westinghouse Elec. Corp., Box 10596, Pittsburgh 35, Pa.
JONES, CLARENCE I. (A'54), Research Physicist, The Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio.
JONES, CLAUGE E., JR. (A'54), Sr. Mem. Tech. Staff, Federal Telecommunication Labs., 1389 Peachtree St., N.E., Atlanta, Ga.
JONES, COLIN M. (S'56-M'58), Lt. jg., USN, Box 10, Commander Service Force, U.S. Atlantic Fleet, U.S.
JONES, CONGER H. (S'52-A'53-M'58), Sr. Engr., Electro-Mech. Design, Missile Div., Chrysler Corp., Huntsville, Ala.
JONES, DANIEL M. (M'56), Oesign Engr., Convair,

JONES, DANIEL M. (M'56), Oesign Engr., Convair, Box 748, Ft. Worth, Tex. JONES, DAVID H. (S'44-A'49-M'55), Asst. to Supt., Test Dept., Allis-Chaimers Mfg. Co., Columbus & Preble Aves., Pittsburgh 33, Pa.

JONES, DAVID H. (A'59), Tech. Writer, Stelma, Inc., 200 Henry St., Stamford, Conn. JONES, OAYTON M. (A'50), Advertising Sales, IRE, 72 W. 45 St., New York 36, N.Y.

72 W. 45 St., New York 36, N.Y.
JONES, OELBERT W. (M'58), GE Co., Utica, N.Y.
JONES, OON (A'52), Engr., Hoffman Labs., Inc., 3761
S. Hill St., Los Angeles 7, Calif.
JONES, OONLAN F. (A'54), Asst. Prof., Elec. Engrg.,
Univ. of Santa Clara, Santa Clara, Calif.

JONES, ORAMIN D. (A'54), 142 E. 27 St., New York, N.Y.
JONES, DWIGHT V. (M'56-SM'59), Application Engr.,
GE Co., Syracuse, N.Y.
JONES, EARL L. (M'58), Instr. FAA, Oklahoma City, Okla

JONES, EARL L. (M'58), Instr. FAA, Oklahoma City, Okla.
JONES, EARLE D. (M'56), Research Engr., Stanford Research
Institute. Menlo Park, Calif.
JONES, EARLE W. (M'58), Sr. Electronics Engr., Consultants
& Destigners, 650 11 Ave., New York, N.Y.
JONES, EDWARD E. (M'55), Genl. Engr., Dept. of Defense,
N.S.A., Washington 25, D.C.
JONES, EDWARD L. (A'54), TV Technician, Owner, Ed.
Jones-TV Service, 80x 495, Rahway, N.J.
JONES, EDWARD M. (M'47), Consultant, The Baldwin Piano
Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.
JONES, EDWARD M. T. (S'45-A'51-M'55-SM'56), Head,
Microwave Group, Stanford Research Institute, Menlo Park,
Calif.
JONES, EDWIN C. JR. (S'53-A'57), Univ. of Milling.

JONES, EDWIN C., JR. (S'53-A'57), Univ. of Illinois, 111

Urbana, III.
JONES, EDWIN D. (A¹51-M¹53), Engr., Univ. of California
Lawrence Radiation Lab., Livermore, Calif.
JONES, ELMER D., JR. (S¹48-A¹50-M¹51), Lt. Col., Chief,
212-L Air Weapons, Control System, ESSPO, Dir., Systems
Mngt., Hars, ARDC, Wright-Patterson AFB, Ohio.

mngt., rurs, ARUC, wright-raterson AFB, Onto.
JONES, EMARIS L. (M'54), Oev. Engr., Aerojet General
Corp., Azusa, Calif.
JONES, EMMETT L. (M'58), Project Engr., Cooke Engrg.
Co., 508 N. Pitt St., Alexandria, Va.

JONES, ERIC E. (M'56), Group Commercial Dir., Solartron Electronic Group, Ltd., Queens Rd., Thames Dilton, Surrey England.

England.

JONES, ERNEST A. (S'43-A'44-M'55), Group Engr., No. Amer. Aviation. 4300 E. 5 Ave., Columbus, Ohio.

JONES, EVAN A. (S'49-A'51), Assoc. Engr. A., Boeing Airplane Co., Seattle 14, Wash.

JONES, EVAN R., JR. (A'56), Chief Engr., Engrg. Electronics, 496 N. Datura Ave., Littleton, Colo.

JONES, FRED S. (M'53), Communications & Elec. Engr.

Div., Supt., Platte Pipe Line Co., 106 W. 14 St., Kansas City S., Mo.

JONES, FREDERICK D. (M'58), Test Planning Engr., Western Electric Co., Burlington, N.C.

JONES, FREDERICK W. (A'44-M'55), Sr. Engr., The Pacific Telephone & Telegrapho Co., 760 Market St., San Francisco 2, Calif.

JONES, GARDNER D., JR. (S'55-M'59), 1410 Grady Ave.,

2, Calif.
JONES, GARDNER D., JR. (S'55-M'59), 1410 Grady Ave., Charlottsville, Va.
JONES, GENE (A'59), Sr. Electronics Technician, Cooke Engra. Co., 508 N. Pitt St., Alexandria, Va.
JONES, GEORGE C. (M'53), Tech. Advisor, Alr Force Operational Test Center, Eglin AFB, Fla.
JONES, GEORGE E., JR. (A'48-M'55), Chemical Engr., Koppers Co., Plum St., Verona, Pa.
JONES, GEORGE E., JR. (SM'58), Field Engr., RCA, 415
S. 5 St., Harrison, N. J.
JONES, GEORGE F., ST. (SM'58), Flace Sentice Engr.

JONES, GEORGE R. (S'56-M'58), Elec. Service Engr., Westinghouse Elec. Corp., 101 W. 11 St., Kansas City 5, Mo.

JONES, GEORGE R. (A'54), Solid State Physicist, Diamond Ordnance Fuze Labs., Dept. of the Army, Washington 25, D.C.

JONES, GLEN D. (A'57), 1951 Monterey St., San Luis Obisno, Calif

JUNES, GLENN C. (S'55-A'56), Class X Tester, RCA, Camden, N.J.

1R. (M'57), Engr., Sylvania Ele

Camden, N.J.

JONES, GRIFFITH M., JR. (M'57), Engr., Sylvania Elec.
Prods., Inc., Woburn, Mass.

JONES, GWYNNE H. (A'54), Sr. Engr., Melpar, Inc., 3000
Arlington Blvd., Falls Church, Va.

JONES H. LANSING (M'56). Staff Engr., IBM, Owego, N.Y.

JONES, HAL J. (SM'55), Mgr., Geophysical Prods.,
Texas Instruments, Inc., 3609 Buffalo Speedway, Houston
6, Tex.

JONES, HAROLO E. (A'53-M'59), Assoc. Engr., I8M,

Owego, N.Y.
JONES, HAROLD R. (S'56-A'57), Electronics Research Engr.,
Eitel-McCullough, Inc., 798 San Mateo Ave., San Bruno,
Calif.

Cait:
JONES, HARRY S. (SM'55), Pres. & Tech. Dir., Irco Corp.,
16 Hudson St., New York 13, N.Y.
JONES, HARRY W. (A'47-M'51-SM'51), Dir., Americas
Area Sales Div., Westinghouse Elec. Internatt. Co., 40
Wall St., New York, N.Y.
JONES, HECTOR H. (A'46), Tech. Writer, 133 Handsworth
Wood Rd., Birminghan 20, England.

JONES, HENRY G. (A'48-M'49), Chief Electronics Engr., Electronics Div., U.S. Naval Repair Facility, San Diego 36,

JONES, HENRY I., JR. (S'48-A'49-M'55), Research & Dev. Mgr., USAF, 8MEWS Project Office, 220 Church St., New York 13, N.Y.

TORK 13, N.Y.

JONES, HERBERT L. (A'37-SM'46), Prof., Dext. Elec. Engrg., Oklahoma State Univ., Stillwater, Okla.

JONES, HERMAN H. (M'57), Project Coordinator, Advanced Dev. & Electronics, Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

Satimore 3, Md.

JONES, HERSCHEL B. (A'59), Maint. Supvr., 100 U.S.
ASA Detachment, White Sands Missile Range, N.M.,
JONES, HOWARD E. (S'53-M'57), Dev. Engr., Chrysler
Corp., Detroit, Mich.
JONES, HOWARD S., JR. (A'52-M'57), Electronics Scientist,
Diamond Ordnance Fuze Labs., Washinaton 25. D.C.
JONES, HOWARD T. (A'53), Engrg. Asst., GE Co., Hendersonville, N.C.

sonville, N.C.

JONES, HOWLAND B., JR. (S'49-A'50), Consultant in In-strumentations & Control, 59 Montview Ave., Short Hills, N.J. JONES, HUGH H., JR. (A'57), Project Engr., U.S. Amy Signal Engro. Agency, Arlington Hall Sta., Arlington 12, Va.

- JONES, IRA J. (M'58), 2900 North Park, Kansas City 16,

- JUNES, IRA J. (MrSB), Z9UO NORTH Park, Ransas city 16, Mo.
 JONES J. DOUGLAS (SM'56), Chief Engr., TV, Pye, Ltd., Cambridge, England.
 JONES, J. GRAYSON (A'39-VA'39), V.P., Engr., Conrac, Inc., 19217 Foothill Blvd., Glendora, Calif.
 JONES, JACK W. (A'53-M'58), Research Physicist, Sun Oil Co., Prod. Research Lab., Richardson, Tex.
 JONES, JAMES F. (SM'58), Head, Tech. Data Sect., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 JONES, JAMES M. (A'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
 JONES, JAMES O. (M'57), Electronics Engr., Remington Rand Univac, South Norwalk, Conn.
 JONES, JAMES W. (A'54), Elec. Engr., Lenkurt Electric Co., 1105 Old County Rd., San Carlos, Calif.
 JONES, JAMES W. (A'3-M'52), Consulting Elec. Engr., 1413 7 St., Box 21, Moundsville, W. Va.
 JONES, JAMES W. (A'43-M'52), Consulting Elec. Engr., Links, JESSE F. (A'56), 931 National St., Vicksburg, Miss.

- Miss.
 JONES, JESSE J. (S'55-A'56), Col., U.S. Army, Retired,
 3301 Gumwood Dr., Hyattsville, Md.
 JONES, JOHN D. (M'48), Supvy. Electronics Engr., U.S.
 Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 JONES, JOHN J. (A'53-M'58), Chief Engr., Boonton Polytechnic Co., Boonton, N.J.
 JONES, JOHN L. (A'37-SM'46), Mgr., Advance Engrg.,
 Tech. Prods. Dept., Ce Co., Syracuse, N.Y.
 JONES, JOHN R. (S'55-M'56), Engr., RCA, Patrick AFB,
 Fla.

- JONES, JOHN K., (S'55-M'56), Engr., RCA, Patrick AFB, Fla.

 JONES, JOHN T., JR. (A'55), TV Transmitter Engr., WCAU, Inc., Philadelphia, Pa.

 JONES, JOSEPH D., JR. (M'51-SM'52), Engr., Philco Corn., 22 & Lehigh Ave., Philadelphia, Pa.

 JONES, KENNETH E. (A'57), Liaison Engr., "A," Rheem Electronic Div., 9236 E. Hall Rd., Downey, Calif.

 JONES, KENNETH N. (A'45-M'55), Flight Test Instrumentation Engr., Convair, Box 1128, San Diego, Calif.

 JONES, LEARL (S'47-A'51-SM'53), Sr. Group Engr., Pilotless Aircraft Div., Boeing Aircraft Co., Seattle 24, Wash.

 JONES, LARKIN 8., JR. (A'54), Transmitter Supvr., Bryant Radio & Television, Inc., KCBD-TV, Lubbock, Tex.

 JONES, LAWRENCE E. (S'52-A'53-M'59), Mem. Tech.

 Staff, The Ramo-Wooldridge Corn., 5500 W. El Segundo Bivd., Los Angeles 45, Calif.

 JONES, LAWRENCE E. (M'58), Staff Specialist, Tamar Electronics, Inc., 13030 Cerise, Hawthorne, Calif.

 JONES, LAWRENCE G. F. (A'47-M'54-SW'158), Advisory Engr.-in-Chg. of Digital Computer Sect., Westinghouse Elec. Corn., Box 746, Baltimora 3, Md.

 JONES, LEONARD S. (S'47-A'48-M'55), Sr. Engr., Octoberg Door Westinghouse Elec. Corn., Box 740, Baltimora 3, Md.

- JONES, LEONARD S. (S'47-A'48-M'55), Sr. Engr., Ordnance Dept., Westinghouse Elec Corp., 8ox 1797, Baltimore 3, Md.

- Oronance Dept., Westinghouse Etec. Corp., dox 1797, Baltimore 3, Md.

 JONES, LESLIE R. (S'57-A'57), Instrumentation Technician, Convair, Ft. Worth, Tex.

 JONES, LINDSAY M. (M'59), Relay Sta. Supvr., Federal Electric Corp., Paramus, N.J.

 JONES, LINN W. (S'54-M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 JONES, LOREN F. (J'36-A'36-M'38-SM'43), Mgr., Prod. Planning, EDP Div., RCA, Camden 2, N. J.

 JONES, LOWELL E. (S'55-M'57), Data Systems Engr., Sandia Corp., Sandia Base, Albuduerque, N. M.

 JONES, LOWERY K., JR. (S'51-A'52-M'58), Electronics Engr., Convair, San Diego 12, Calif.

 JONES, MACK C. (A'42-M'55), Pres., Dir., Engra., M. C. Jones Electronics Co., Inc., Laurel Crest, 1B6 Stearns St., Bristol, Conn.

 JONES, MADISON R. (S'32-A'34-VA'39-SM'50), Pres., JONES, MADISON R. (S'32-A'34-VA'39-SM'50), Pres.,
- JONES, MADISON R. (S'32-A'34-VA'39-SM'50), Pres., Jones Electronic Sales, Inc., 3627 Main St., Kansas City

- Jones Electronic Sales, Inc., 7-827 Mains St., Railsas City 11, Mo.

 JONES, MARION R. (S'54-M'56), Research Engr., Lock-heed Missile & Space Div., Sunnyvale, Calif.

 JONES, MARK J. (A'59), Central Office Repairman, Mountain States Telephone Co., Newcastle, Wyo.

 JONES, MARK S. (A'47-M'53), Genl Engr., N.A.M.T.C., Point Mugu, Calif.

 JONES, MARK W. (A'43-M'47), Pres. & Sr. Physicist, Geo-Science, Inc., 80x 1128, Alamogordo, N. M.

 JONES, MART IN L. (A'41-SM'53), Dev. & Design Engrg., Westinghouse Elect. Corp., Box 1897, Baltimore 3, Md.

 JONES, MAX E. (S'57-M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 JONES, MEREDITH W. (A'54), Supvy. Publications Engr., Hazefline Electronics Div., Little Neck 62, L. I., N.Y.

 JONES, MERRILL C. (A'45-M'55), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 JONES, MERTIS E. (SM'56), Sales Engr., Martin P.
- COPD., Sandia Base, Albiduterdue, N. M.
 JONES, MERTIS E. (SM'56), Sales Engr., Martin P.
 Andrews, 319 Mott Rd., Fayetteville, N. Y.
 JONES, MILTON E. (S'50-A'51), Electronics Dev. Engr.,
 ITT Labs., Nutley 10, N. J.
 JONES, MORRIS E. (M'55), Sr. Production Engr., Sylvania
 Elec. Prods., Inc., Burlington, Jowa.
 LONES MADDISON M. (A'53) District Sales Mar. CF.

- Elec. Prods., Inc., Burlington, Iowa.
 JONES, MORRISON H. (A'53), District Sales Mgr., GE
 Co., 565 Broadway, Redwood City, Calif.
 JONES, MYRON G. (A'50), Chief Engr., South Dakota
 Radio Communications System, State Capitol, Pierre, S. D.
 JONES, MYRTON N. (S'47-A'49-M'55), Sect. Head, AC
 Spark Plug Div., GMC, 1300 W. Dort Hwy., Flint 2, Mich.
 JONES, NOLAN T. (S'49-A'52-M'56), Systems Engr.,
 MIT, Lincoln Lab., Lexington 73, Mass.
 JONES, ORAL J., JR. (S'39-A'41-M'46-SM'53), Group
 Engr., Martin Co., Middle River, Md.
 JONES, ORVILLE D. (M'57), Sect. Chief, Air to Air Identification, Wright Air Development Certer, Wright-Patterson
 AF8, Ohio.
 JONES, PAUL W. (S'57-M'58), Elec. Engr., Bendix Prods.

- JONES, PAUL W. (S'57-M'5B), Elec. Engr., Bendix Prods. Div., Missiles, 400 S. Beiger, Mishawaka, Ind. JONES, PETER B. (S'56-M'59), 4062 2nd St., Palo Alto,
- Cair.
 JONES, PHILIP D. (SM'55), Engrg. Specialist, Research,
 No. Amer. Aviation, Downey, Calif
- No. Amer. Aviation, Downey, Calif JONES, R. HOWELL (S'51-A'54), Communications Engr., Royal Canadian Mounted Police, RCMP Hgrs., Ottawa, Ont., Canada.
- JONES, R. JAMES (A'46-M'52-SM'58), Asst. Prof., Michigan College of Mining & Technology, Houghton, Mich. JONES, R. VICTOR (M'58), Asst. Prof., Applied Physics, Harvard Univ., Cambridge, Mass.

- JONES, R. WARD (A'45-M'50), Sr. Elec. Engr., No. Amer. Aviation, Downey, Calif. JONES, RAY L. (S'56-M'57), Instrument Engr., E. I. DuPont DeNemours & Co., Sabine River Works, Orange, Tex. JONES, RAYMOND N. (A'52-M'57), Electronics Scientist, High Frequency Impedance Standards, Natl. Bureau of Standard, Boulder, Colo.
- Standard, Boulder, Colo.

 JONES RICHARD B. (A'30-M'51), Chief Engr., Dick JonesCommunications, 4322 Arlington Ave., Ft. Wayne 6, Ind.
 JONES, RICHARD B. (S'57-M'57), Electronic Facilities
 Engr., Missile & Soace Div., Lockheed Aircraft Co.,
 Cape Canaveral, Fla.

 JONES, RICHARD C., JR. (S'42-A'44-M'55), Electronics
 Engr., Lockheed Aircraft Corp., Burbank, Calif.

 JONES, RICHARD D. (S'43-A'45-M'51), Staff Mem.,
 Sandia Corp., Sandia Base, Albuguerque, N. M.

 JONES, RICHARD E. (A'44-SM'49), Head, Sect. on Engrg.,
 Mayo Clinic, 102-110 2nd Ave., S.W., Rochester, Minn.
 JONES, RICHARD E. (SM'59), Mgr., Quality Control,
 JONES, RICHARD E. (SM'59), Mgr., Quality Control,

- JONES, RICHARD E. (SM'59), Mgr., Quality Control, Sanborn Co., 175 Wyman St., Waltham, Mass. Sanborn Co., 175 Wyman St., Waltham, Mass. JONES, RICHARD M. (M'53), Communications Technician, RCA Service Co., Patrick AFB, Fla.
 JONES, RICHARD M. (A'55), Research Asst., Hughes Aircraft Co., Culver City, Calif.
 JONES, RICHARD W. (SM'54), Prof., Elec. Engrg., Northwestern Univ., Evanston., III.
 JONES, RICHARD W. (S'54-M'56), Staff Engr., IBM, Owego, N.Y.

- Owego, N.Y.
 JONES, ROBERT (A'46-M'56), Mgr., Engrg. Services,
 Jerrold Electronics (Canada), Ltd., 50 Wingold Ave.,
 Toronto 10, Ont., Canada.

- Toronto 10, Ont., Canada.
 JONES, ROBERT A. (S'55-M'56), Assoc. Engr., IBM, Endicott, N.Y.
 JONES, ROBERT E. (M'56), Sr. Engr., Bendix Systems
 Div., Ann Arbor, Mich.
 JONES, ROBERT E. (S'56-M'57), Elec. Engr., U.S.
 Naval Ordnance Lab., White Oak, Silver Spring, Md.
 JONES, ROBERT E. (S'57-M'59), Assoc. Engr., Lockheed
 Missile & Space Div., Sunnyvale, Calli,
 JONES, ROBERT F. (S'57-M'59), Aeronautical Research
 Engr., Natl. Aeronautice & Space Administration, Langley
 AFB, Va.
 JONES, ROBERT H. (S'43-M'45), Head Engr., Air & Surfac
- AFB, Va.

 JONES, ROBERT H. (S'43-M'45), Head Engr., Air & Surface Warfare, Electronics Systems Dev., Navy Dept., Bureau of Ships, Code 820, 1B St. & Constitution Ave., Washington, D.C. JONES, ROBERT K. (S'56-M'58), Assoc. Engr., The Martin Co., Baltimore 3, Md.

 JONES, ROBERT I. (S'50-A'52-M'54-SM'59), Project Engr., GE Co., Syracuse, N.Y.

 JONES, ROBERT L. (M'55), Project Engr., IBM, Kingston, N.Y.

- JONES, ROBERT L. (M'55), Project Engr., IBM, Kingston, N.Y. JONES, ROBERT L., JR. (A'55), Customer Engr., IBM, 503 S. Main, San Antonio, Tex. JONES, ROBERT M. (SM'50), Dir., Advanced Dev. Sect., Admiral Corp., 901 Califomia Ave., Palo Alto, Calif.
- JONES, ROBERT P. (M'5B), Staff Engr., IBM, Poughkeepsie,

- N.Y.
 JONES, ROBERT T. (A'57), Field Engr., Philos Corp., 22 St. & Lehigh Ave., Philadelphia 32, Philos Corp., 22 St. & Lehigh Ave., Philadelphia 32, Philos Corp., 20 St. & Lehigh Ave., Philadelphia 32, Philos Charles, Role Communication Co., 677 To Beacon St., Boston 15, Mass.
 JONES, ROY C., JR. (S'52-A'53), Industrial Sales Engr., Kentron Hawaii, Ltd., 1140 Waimanu St., Honolulu 14, Hawaii.
- Hawaii.

 JONES, ROYAL V. (S'50-A'53-M'58), Elec. Engr., Bolt Beranek & Newman, Inc., 50 Moulton St., Cambridge, Mass. JONES, RUSSELL E. (S'56-M'58), Asst. Project Engr., Bendix Radio, Baltimore 4, Md.

 JONES, RUSSELL W. (S'54-M'57), Sr. Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.

 JONES, STANLEY G. (S'48-A'51-M'56), Research Officer, Natl. Research Council, Bidg. M-50, Montreal Rd., Ottawa, Ont., Canada.

- Ottawa, Off., Carlada. JONES, STANLEY R. (M'58), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. JONES, THEODORE A. (A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.
- Bell Tel. Labs., 463 West St., New York 14, N.Y.
 JONES, THOMAS 8., JR. (A'56-M'58), Chief Engr.,
 WSVA-TV, Shenandoah Valley Broadcasting, Inc., WSVA
 Bldg., Harrisonburg, Va.
 JONES, THOMAS F., JR. (SM'48), Head, School of Elec.
 Engro., Purdue Univ., West Lafayette, Ind.
 JONES, THOMAS G., JR. (A'51-M'56), Sect. Chief,
 WCLGSFA, Weapons Guidance Lab., WADC, WrightPatterson AFB, Ohio.

- JONES, THOMAS J. (A'51-M'57), Project Engr., Aeronaut ical Communications Equipment, Inc., 3090 S.W. 37 Ave. Miami, Fla.
- JONES, THOMAS L. (M'52), Supvr., Communications, El Mundo, San Juan, Puerto Rico.
- El Mundo, San Juan, Puerto Rico.

 JONES, THOMAS N. (A'57), Pres., Lloyd N. Allen, Inc., Electrorep Div., 22519 Telegranh Rd., Detroit 41, Mich.

 JONES, THOMAS R., J.R. (M'57), Chief, Communications Lab., U.S. Army Signal Missile Support Agency, White Sands Missile Range, N. M.

 JONES, TREVOR L. (M'56), Engr., Wells-Gardner & Co., 2701 N. Kildare, Chicago 44, III.

 JONES, URAL T. (S'56-A'58), Elec. Engrg. Alde, USN Gun Factory, Washington 25, D. C.

 JONES, WALTER B. (A'53-M'56), Lead Electronics Systems Engr., Chance-Vought Aircraft, Inc., Box 5907, Dallas, Tex.

 JONES, WALTER V., J.R. (S'50-A'51-SM'58), Prod. Design Engr., Airborne Radar, Goodyear Aircraft Corp., 1210

 Massillon Rd., Akron, Ohio.

 JONES, WARREN G. (M'58), Sr. Design Engr., Martin Co.,

- Massilon Rd., Akron, Unio.
 JONES, WARREN G. (M'58), Sr. Design Engr., Martin Co.,
 Box 173, Denver 1, Colo.
 JONES, WESLEY N. (S'47-A'48-M'55-SM'58), Sr. Engr.,
 Ordnance Dept., Westinghouse Elec. Corp., Box 1797,
 Baltimore 3, Md.
- Baltimore 3, Md.
 JONES, WILBUR L. (S'50-A'51-M'56), Field Service Engr.,
 Hughes Aircraft Co., Culver City, Calif.
 JONES, WILLIAM (A'53), Jr. Engr., City of New York Dept.
 of Sanitation, 280 Ave. C, New York 9, N.Y.
 JONES, WILLIAM B., JR. (S'48-A'50-M'50-5M'54), Prof.,
 Elec. Engr., Georgia Institute of Technology, Atlanta 13, Ga.
 JONES, WILLIAM C. (A'47-M'52), Sr. Electronics Engr.,
 Convair, San Diego, Calif.

- JONES, WILLIAM C., JR. (M'58), Engr., Raytheon Mfg. Co., Waltham 54, Mass.
- Co., Waltham 54, Mass. JONES, WILLIAM E. (S'56-M'58), 500 Holley St., St. Albans, W. Va. JONES, WILLIAM G. (A'48), Sr. Engr., Internati. Broadcasting Div., U. S. Information Agency, Washington, D.C.
- Broadcasting Div., U. S. Information Agency, Washington, D.C.
 JONES, WILLIAM G. (S'57-M'58), Engr., Western Electric Co., 204 Graham-Hopedale Rd., Burlington, N.C.
 JONES, WILLIAM H. (A'54). Engr., GE Co., Svracuse. N.Y.
 JONES, WILLIAM J. (S 40-A'43-M'46-SM'50), 910 Watertown St., West Newton, Mass.
 JONES, WILLIAM L. (S'48-A'50-SM'57), Assoc. Prof., Utah State Univ., Logan, Utah.
 JONES, WILLIAM R. (A'59), 1830 York Rd., Timonium, Md.
 JONES, WILLIAM R. (A'59), 1830 York Rd., Timonium, Md.
 JONES, WILSON F. (A'51-M'56), Group Leader, Collins
 Radio Co., 2700 W. Olive Way, Burbank, Calif.
 JONGBERG J. BERTRAM (A'55), Design Engr., 1550
 Brooklyn Ave., Brooklyn 10, N.Y.
 JONIC, BOGDAN D. (S'57-M'5B), Elec. Engr., Cook Electric
 Co., 2700 N. Southport Ave., Chicago 14, Ill.
 JONKMAN, JOHN Y. (A'55), Tech., Dir., CHCA-TV, Sylvan
 Lane, Red Deer, Alta., Canada.
 JONSSON, JENS J. (SM'58), Chms., Elec. Engrg. Science
 Dept., Brigham Young Univ., Provo, Utah.
 JONSSON, SIGURDUR G. (A'59), Heidarveg 21, Keflavik, Iceland.

- JONSSON, SIGURDUR G. (A:59), Heidarveg 21, Keflavik, Iceland.
 JOOS, JACK W. (M:58), Sr. Engr., Philoc Corp., 4700
 Wissahickon Ave., Philadelphia 44, Pa.
 JOOST, ADELBERT E. (M:53), Sr. Research Engr., No.
 Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio.
 JOPPA, RICHARD M. (S:56-M:59-SM:59), Capt., USAF,
 Instr., Elec. Engrg. Dept., Air Force Institute of Technology,
 Wright-Patterson AFB, Ohio.
 JOPSON, JOHN L. (M:57), Sales Engr., Todino Engrg. Sales,
 Inc., 85 Waterside Lane, Hartford 7, Conn.
 JORDAL, VERNON M. (A:50-M:58), Dev. Engr., GE Co.,
 4855 W. Electric Ave., Milwaukee 15, Wis.
 JORDAN, CALVIN A. (S:56-M:58), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N. J.
 JORDAN, CARL F. (S:51-A:52-M:56), Sr. Systems Design
 Engr., Chance-Vought Aircraft, Box 5907, Dallas, Tex.
 JORDAN, CARL F. (S:55-M:56), Elec. Engr., Raytheon
 Mig. Co., Wayland, Mass.
 JORDAN, CHAUNCEY J. (A:45-M:55), Production Planning
 Mgr., Stavid Engrg., Inc., Hwy. 22, Plainfield, N. J.
 JORDAN, DAVID B. (A:53-M:59), Principal Systems Engr.,
 Republic Aviation Corp., 233 Jericho Tpke., Mineola, L. I.,
 N. Y.
 JORDAN, OUGLAS R. (S:52-A:53-M:58), Mem. Tech.
- JORDAN, OOUGLAS R. (S'52-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Western Electric Co., North Andover, Mass.
- JORDAN, EDWARD C. (S'36-A'39-SM'45-F'53), Head, Elec. Engrg. Dept., Univ. of Illinois, Urbana, III. JORDAN, EDWARD I. (A'59), Staff Engr., IBM, Poughkeepsie,
- N.Y.
 JORDAN, HOMER G. (A'43-M'45), Mem. Tech. Staff, Bell
 Tel. Labs., 2525 Shadeland Ave., Indianapolis 6. Ind.
 JORDAN, J. HERMAN, JR. (S'58-A'59), Sales Engr.,
 Training, S & H X-Ray Co., 501 Peachtree St., N.E.,
 Atlanta 8, Ga.

- Training, S & H X-Ray Co., 501 Peachtree St., N.E., Atlanta 8, Ga.

 JORDAN, J. PAUL (SM'55), Asst. to Pres., Gulton Industries, Inc., 212 Durham Ave., Metuchen, N. J.

 JORDAN, JOHN C. (M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 JORDAN, JOHN C. (M'58), Staff Mem., Sandia Corp., GE Co., 316 E. 9, Owensboro, Ky.

 JORDAN, JOHN F. (M'58), Salesman, Edward A. Ossmann & Associates, 830 Linden Ave., Rochester, N.Y.

 JORDAN, JOHN F. (M'58), Salesman, Edward A. Ossmann & Associates, 830 Linden Ave., Rochester, N.Y.

 JORDAN, JOHN F. (A'40-M'45-5M'53-F'54), V.P., Baldwin Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.

 JORDAN, JOSEPH L. (A'56-M'58), Communication Supvr., North York Hydro Electric Commission, 5145 Yonge St., Willowdale, Ort., Canada

 JORDAN, KENNETH E. (A'56), Advertising Salesman, Duncan Scott & Co., 1901 W. B St., Los Angeles 67, Calif.

 JORDAN, KENNETH L., JR. (S'51-M'58), Research Asst., Research Lab. of Electronics, MIT, Cambridge 39, Mass.

 JORDAN, ROBERT W. (S'54-A'55), Owner, Jordan Television Sales & Service, 502 W. Main, Baytown, Tex.

 JORDAN, SAMUEL A., JR. (S'48-A'50-SM'56), Fellow Engr., Westinghouse Elec. Corp., Friendship Airport, Baltimore, Md.

 JORDEN, 8RUCE W., JR. (S'156-M'57), Electronics Engr., Michale Michael & M

- Engr., Westinshouse Elec. Corp., Friendship Airport, Baltimore, Md.

 JORDEN, BRUCE W., JR. (S'56-M'57), Electronics Engr., Hughes Aircraft Co., Tucson, Ariz.

 JORGE, ARLINDO (S'49-A'51-M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 JORGE, CHARLES D. (S'49-A'51), Elec. Engr., Keller & Gannon, 126 Post St., San Francisco, Calif.

 JORGENSEN, BENDT (L'48-M'55), Elec. Engr., Hilmer Pedersen, A/S, Guldborgvei 22, Copenhagen F, Denmark.

 JORGENSEN, CARTHER M. (A'41-SM'46), Jorgensen Engr. Co., 9216 W. Grand Ave., Franklin Park, III.

 JORGENSEN, CARTHER M. (A'41-SM'46), Jorgensen Engr. Co., 9216 W. Grand Ave., Franklin Park, III.

 JORGENSEN, HENRY E. (A'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.

 JORGENSEN, NITLS (S'57-N'5B), Civil Engr., Movic, 56

 Hoinaesvei, Copenhagen, N. V., Denmark.

 JORGENSEN, OTTO A. (M'56), Elec. Engr., StrombergCarlson Co., 1465 N. Goodman St., Rochester 3, N.Y.

 JORGENSEN, OTTO J. (A'51-M'56), Co-Partner, Jorgensen & Schreftier, 1200 S. W. 1st St., Mlami 35, Fla.

 JORGENSEN, RICHARD W. (S'56-M'57), System Engr., Sandia Corp., Sandia Base, Albuquerue, N. M.

 JORGENSEN, STIG W. (A'48-M'55), Dir., Prod. Engr., Edgerton Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.

 JORGENSEN, TIROW. (A'48-M'55), Dir., Prod. Engr., Edgerton Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.

 JORGENSEN, TIROW. (A'48-M'55), Dir., Prod. Engr., Edgerton Germeshausen & Grier, Inc., 160 Brookline Ave., Edgerton Germeshausen & Grier, Inc., 160 Brookline

- JORGENSON, THORWALD O. (A'42-M'49), Chief Engr., Central Broadcasting Co., 2415 S. Hastings Way, Eau Claire, Wis.
- Claire, Wis.
 JORY, JOHN H. (M'59), Jr. Elec. Engr., Radiation, Inc.,
 Melbourne, Fla.
 JORY, WESLEY H. (S'57-M'58), Jr. Engr., Radio Div.,
 Bendix Aviátron Córp., Joppa Ru., Baltimore, Md.
 JORYSZ, ALFRED (A'39-M'46), Engrg. Staff Consultant,
 Otis Elevator Co., 35 Ryerson St.. Brooklyn F, N. Y.
 JOSE, ROBERT S. (M'53), TV Transmitter Design Engr.,
 RCA, Camden, N.J.
 JOSEFSBERG, MELVIN B. (M'58), Dir., Mfg. Olympic
 Radio & Television Corp., 34-01 38 Ave., Long Island
 City 1, N.Y.

- JOSENHANS, JAMES G. (S'51-M'57), Research Asst., Electron Device Lab., The Ohio State Univ., Columbus 1, Ohio.
- Unio.

 JOSEPH, DAVID (A'48-M'55), Staff Engr., Hughes Aircraft Co., Culver City, Calif.

 JOSEPH, DAVID A. (A'56), Electronics & Sonar Officer,
 Airship Sadn. 3 USN, Naval Air Sta., Lakehurst, N.J.

 JOSEPH, DAVID F. (S'57-M'58), Mem. Tech. Staff, Bell
 Tel, Labs, Murray Hill, N.J.

 JOSEPH, DAVID L. (A'59), Baxter Apts., R.D.2, Endicott,
 N.N.

- N.Y.
 JOSEPH, FRED T. (M'57), Electronics Engr., Western Electric Co., Winston-Salem, N.C.
 JOSEPH, GEORGE P. (S'56-M'5B), Foreman, Jones & Laughlin Steel Corp., Aliquipa, Pa.
 JOSEPH, HENRY M. (A'46), Mem. Tech. Staff, Thompson-Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.
- JOSEPH, HORACE M. (A'42-SM'53), Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md. JOSEPH, PETER D. (S'54-M'59), Instr., Purdue Univ., Lafayette, Ind.
- JOSEPH, WALTER F. (A'53-M'58), Electronic Scientist, U.S. Naval Radiological Defense Lab., San Francisco 24, Calif.

- JOSEPH, WALTER F. (A '53-M'58), Electronic Scientist, U. S. Naval Radiological Defense Lab., San Francisco 24, Calif.

 JOSEPHER, AUGUSTUS (S'55-A'56), Sr. Flight Test Engr. Republic Aviation Corp., Farmingdale, L.I., N.Y.

 JOSEPHSON, BEN, JR. (S'57-M'58), 124 E. 84 St., New York, N.Y.

 JOSEPHSON, BENGT A. S. (M'55), Head, Lab., Research Institute of Natl. Defense, Stockholm BO, Sweden.

 JOSEPHSON, GILBERT C. (S'49-A'55), Electronics Engr., Dept. of the Navy, Bureau of Ships, 18 & Constitution Ave., Washington 25, D. C.

 JOSEPHSON, PAUL R. (A'55), Pres., Josephson, Cuffari & Co., 427 Bloomfield Ave., Montclair, N.J.

 JOSHI, ARAVIND K. (S'54-A'56), Moore School of Elec. Engr., Univ. of Pennsylvania, Philadelphia 4, Pa.

 JOSHI, C. P. (A'45-M'45-SM'52), State Radio Officer, Police Radio Sect., Dilkusha, Lucknow, U.P., India.

 JDSHI, MADHUSDAN V. (A'56-SM'56), Sr. Scientific Officer, Natl. Physical Lab. of India, New Delhi 12, India.

 JOSIAS, CONRAD S. (S'50-A'51-M'56), Research Engr., California Institute of Technology, Mesra, Ranchi, India.

 JOSIAS, CONRAD S. (S'50-A'51-M'56), Research Engr., California Institute of Technology, Mesra, Ranchi, India.

 JOSIAS, Systems Officer, Airways & Air Communications Services, Hars. United Kingdom AACS Region, APO 125, New York, N.Y.

 JOSLIN, JAY D. (M'59), Telecommunications Officer, RCAF, Ottawa, Ont., Canada.

 JOSLOW, JULES (A'54), Govt. Sales Mgr., Professional Prods. Div., Amoex Corp., Universal Bidg., Washington, D.C.

 JOSS, EMIL T. (A'36-VA'39-M'55), Electronics Engr., Andrea Radio Corp., 27-01 Bridge Plaza. N., Long Island

- D.C.

 JOSS, EMIL T. (A'36-VA'39-M'55), Electronics Engr.,
 Andrea Radio Corp., 27-01 Bridge Plaza, N., Long Island
 City 1, N.Y.

 JOSS, JAMES W. (A'56), Field Tech. Rep., Madigan Corp.,
 200 Stonehinge Lane, Carle Place, L.I., N.Y.
 JOSS, JOHN (A'59), 10201 Westheimer, Houston 19, Tex.
 JOST, J. WILLIAM JR. (S'54-A'55), Engr., GE Co.,
 Syracuse, N.Y.

 JOSTE, STEN V. (M'56), Project Mgr., Swedish Air
 Service, Ltd., Svensk Flygtjanst AB, Alvsbyn,
 Sweden.

- Sweden.

 JOSTE, THOMAS R. (M'57), Group Supvr., Engrg.
 Schedules, Lockheed Aircraft Corp., Missile Systems Div.,
 Sunnyvale, Calif.

 JOSTRAND, BERNARD D. (A'58), Engrg. Aide, Continental
 Electronics Co., 4212 S. Buckner Blvd., Oallas, Tex.

 JOUPPI, ARVID F. (A'49), Asst. Mgr., Shareholder
 Relations, Chrysler Colp., 344 Massachusetts Ave.,
 Devoit 31, Mich.
- Detroit 31, Mich.
 JUVENAT, JDELM. (S'53-A'54-M'58), Field Engr., RCA
 Service Co., APD 323, San Francisco, Calif.
 JOY, HDLLIS H. (M'58), Electronics Engr., Schneider
 Electric & Equipment Co., Omaha, Neb.
 JOY, IVAN L. (A'57), Det. Car Operator, Santa Fe Railroad,
 Chicago, III.
- Chicago, III.
 JDY, QUENTIN H. (S'58-M'59), Electronics Engr., Kaiser Aircraft & Electronics Coro., Palo Alto, Calif.
 JOY, WILLIAM F. (S'56-M'57), Engr., Cook Research Labs., Morton Grove, III.
 JDYAL, HENRY J. (M'54), Advisory Engr., IBM, Pough-keepsie, N. Y.

- keepsie, N.Y.

 JOYAL, MAURICE W. (S'53-M'55), Elec. Engr., Sylvania Elec. Prods. Inc., Waltham 54, Mass.

 JDYCE, CHARLES C., JR. (S'53-M'57), Teaching Asst., MIT, Cambridge 39, Mass.

 JOYCE, JDHN H. (M'57), Electronics Engr., Aerojet-Genl. Com., 6352 N. Invinidade Ave., Azusa, Calif., JDYCE, KEVIN J. (S'50-A'52-M'54), Sales Engr., Sylvania Elec. Prods., Inc., 411 Oak St., Cincinnati 19, Ohio.
- JOYCE, RDBERT E. (S'51-A'53), 1st Lt., USAF, Laredo AFB, Texas. JDYCE, SYLVESTER B. (M'57), Reliability Engr., RCA, Camden, N.J.

- Canden, N. J.
 JOYCE, WALTER F. (SM'56), V. P. Texas Instruñients,
 Inc., 60DD Leumon Ave., Dallas, Tex.
 JDNNER, ARCHIBALD A. (A'36-SM'48), Sales Engr., Tant
 Entermises, 461 N. York St., Elmhurst, III.
 JUANILLD, JACK J. (A'46-M'55), Project Engr., Western
 Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
 JUBIN, TED A. (S'50-A'54-M'59), Dev. Engr., Goodyear
 Aircraft Corn., Akron, Ohio.
 JUCHNEVICIUS, VYTAUTAS H. (S'56-M'58), Electronics
 Engr., Stewart Warner Electronics, Inc., 1300 N. Kostner
 Ave., Chicago, III.
 JUCIUS, STEPHEN W. (A'42-M'56), Components Engr.
- JUCIUS, STEPHEN W. (A'42-M'56), Components Engr., Stewart Warmer Electronics, Inc., 1300 N. Kostner Ave., Chicago 51, III.
- Chicago 51, III.

 JUCKSCH, WILLIAM J. (M'54), Electronic Scientist, USN
 Underwater Sound Lab., Ft. Trumbull, New London, Conn.

 JUD, HFNRY G. (M'57), Instr., Elec. Engrg., Univ. of
 PitSburgh, Pittsburgh 13, Pa.

 JUDA, HENRY J. (S'53-M'56), Electronics Engr., Bell
 Aircraft Corp., Box 1, Bulfalo 5, N.Y.

- JUDE, GEORGE F. (SM'57), Engrg. Dir., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 JUDE, ROBERT L. (S'57-A'58), Western Electric Co.,
 Box 77, Lexington 73, Mass.

 JUDGE, EDWARD M. (S'58-A'59), Field Engr., RCA Service Co., Camden 8, N.J.

 JUDGE, FRED W. (S'56-M'58), Elec. Engr., Professional,
 Packard Bell Electronics Corp., 12333 W. Olympic Blvd.,
 Los Anyeles 64, Calif.

 JUDGE, HAROLD (A'44-M'51), Mem. Tech. Staff, The
 Ramo-Woolridge Corp., Denver, Colo.

 JUDGE, WILLIAM J. (A'54), Sect. Mgr., Electronic Div.,
 Toop Industries, 5221 W. 102 St., Los Angeles 45,
 Calif.
- Caiii.

 JUDISH, JOHN P. (M'53), Dev. Engr., Union Carbide Nuclear
 Co., Oak Ridge Natl. Lab., Oak Ridge, Tenn.

 JUDKINS, CARLOS D. (S'56-M'58), Engr., Sperry Utah
 Engra. Labs., 322 N. 21 St., W., Salt Lake City 7,
 Utah.
- Utah.
 JUDSDN, HENRY H., JR. (S'43-A'46-M'55), Research
 Engr., Boeing Airplane Co., Scattle 14, Wash.
 JUDSDN, JAMES F. (S'56-M'59), Asst. Electronics
 Officer, USN, USS Valley Forge (CUS-45), FPO, New
 York, N.Y.

- Officer, USN, USS Valley Forge (CUS-45), FPO, New York, N.Y.

 JUGEND, HARRY E. (S'5D-A'52-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 JUGEND, JOSEPH (M'56), Design Engr., Hughes Aircraft Co., Culver City, Calif.

 JUHAS, LOUIS A. (S'49-A'50-M'56), Dev. Engr., ITT Labs., Nutley 10, N.J.

 JUHLIN, JDSEPH A., JR. (S'54-M'56), Elec. Engr., GE Co., Syracuse, N.Y.

 JUHLOLA, CARL (SM'54), Head, Electronics Sect., Research Div., United Shoe Machinery Coro., Beverly, Mass.

 JULESZ, BELA (M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 JULIAN, OTIS K. (M'57), Lt. Cmdr., Avonics Weapons System Myr., Avionics Div., Bureau of Aeronautics, Washington, D.C.

 JULIAN, RENNE S. (S'39-A'42-M'48-SM'58), Tech. Dir., Guided Missile Labs., Hughes Aircraft Co., Culver City, Calif.

 JULICH, HARRY (M'57), Engr., Bulova Research & Develop-

- City, Calif.

 JULICH, HARRY (M'57), Engr., Bulova Research & Development Labs., 62-10 Woodside Ave., Woodside 77, L. I., N.Y.

 JULIE, JOEL (A'41-A'51-SM'57), Design Specialist,
 Republic Guided Missiles, 223 Jericho Tpke., Mineola,
 L.I., N.Y.
- JULIE, LOEBE (S'47-A'50-M'58), Pres., Juliebia, Juliebia, Inc., 556 W. 168 St., New York 32, N. Y. JULIEN, GUY J. C. (S'52-A'53-M'59), Engr., Standard Telephones & Cables (Canada), 9500 St. Lawrence Bivd., Montreal, P. Q., Canada.
- JULIEN, MARCEL J. R. (A'56), Technician, Canadian Broadcasting Corp., 1425 Dorchester, W., Montreal, P. O., Canada
- P. Q., Canada.
 JULL, EDWARD V. (M'56), Dept. Elec. Engrg., University
 College, Gower St., London WCI, England.
 JUMBECK, GEORGE 1. (S'55-A'58), Field Rep., LInk
 Aviation, Inc., Binghamton, N.Y.
 JUNAS, WALTER M (S'55-M'58), Deprakions Engr.,
 Canadian Broadcasting Corp., 5253 Decarie Blvd.,
 Montreal, P. Q., Canada.
 JUNE, ROBERT H. (S'50-A'51-M'56), Test Engr., Convair,
 Pomona, Calif.

- JUNG, CHARLES W. (S'51-A'53-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. JUNG, DAVID H. (A'55), Engr., Farnsworth Electronics Co., Ft. Wayne, Ind.
- JUNG, FREDERIC T. (A 58), Asst. Editor, "Journal of The American Medical Assn.," 535 N. Dearborn St., Chicago 10, III.
- 10, III, JUNG, GEORG C. (A'57), Electronics Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. JUNG, JDHN P. (M'53), Industrial Engr., (Elec. Methods), Philo Corp., C& Tioga Sts., Philadelphia 34, Pa. JUNG, PHILIP (S'56-M'57), Assoc. Engr., IBM, Pough-keepsie, N. Y.

- JUNG, PHILIP (S'56-M'57), Assoc. Engr., IBM, Pough-keepsie, N. Y.
 JUNG, RAYMOND F. (S'57-A'58), Electronics Tech. Writer, Cushing & Nevell, 101 Park Ave., New York 17, N. Y.
 JUNG, ROBERT M. (A'58), Electronics Equipment Assembler, Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.
 JUNGCLAS, ELMER E., JR. (S'57-M'5B), Mem. Tech.
 Staff, Hughes Aircraft Co., Los Angeles 45, Calif.
 JUNKEN, ELMER S. (M'55), Mgr., Tech. Training Dept.,
 Military Field Service Div., Burroughs Corp., Radnor, Pa.
 JUNKINS, ARTHUR H. (M'52), Sr. Project Engr., AC Spark
 Plug Div., Milwaukee 1, Wis.
 JUNKINS, CLIFFORD E., JR. (A'47), Treas., C. E. Junkins
 & Son, Inc., 8 Oyden St., Holyoke, Mass.
 JUR, CHESTER J. (A'53), Sales Engr., Packard-Bell,
 12333 W. Olympic, Los Angeles 64, Calif.
 JURAFSKY, ALBERT J. (M'53), Asst. Chief Engr., The
 Technical Material Corp., 700 Fenimore Rd., Mamaroneck, N. Y.
 JUREK, WILLIAM M. (A'45-M'55-SM'55), Project Engr.,
 Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 JURELLER, JDHN F. (S'53-M'58), Engr., GE Co., HMED,
 Syracuse, N. Y.
 JURGENSEN, VERNE L. (A'59), Engr., WPTA-TV, 3333
- JURGENSEN, VERNE L. (A'59), Engr., WPTA-TV, 3333
 Butler Rd., Ft. Wayne, Ind.
 JURGEN, RONALD K. (M'53-SM'58), Assoc. Editor,
 "Electronics," McGraw-Hill Publishing Co., 33D W. 42
 St., New York 36, N.Y.
- St., New York 36, N.Y.

 JUREWICZ, ROBERT E. (S'57-M'58), 2831 S. Kostner
 Ave., Chicago 23, III.

 JURGIELEWICZ, STANLEY S. (A'54), Project Elec. Engr.,
 Airborne Research Engrg. Branch, Hanscom Field, Mass.

 JURICH, SAMUEL (S'53-A'54), Elec. Engr., Motorola,
 Inc., 3102 N. 56 St., Phoenix, Ariz.

 JURISON, JAAK (S'54-A'55), Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.

 JURKEVICH, IGGR (A'54), Dev. Engr., RCA, Moorestown,
 N.J.

 JURKUS, ALGIRDAS P. (A'55), 7 Inspires Pd. Chaffield
- N.J.
 JURKUS, ALGIRDAS P. (A'59), 7 Junction Rd., Sheffield
 11, England.
- JIRMAIN, JACOB H. (M'57), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Catif. JURMAIN, HARRY R. (A'57), Box 203, Huntington, L.I., N.Y. JURRIAANS, G. FREDERICK (A'55), Elec. Engr., Zenth Radio Com., 6001 W. Dickens Ave., Chicago, III. JURSKIS, ALFONSAS (M'53), Lecture & Instr., Temple Univ., 16 & Buttonwood Sts., Philadelphia 30, Pa.

- JURY, ELIAHU I. (M'54-SM'57), Assoc. Prof., Univ of California, Berkeley 4, Calif.
 JUST, GARY D. (S'57-A'5B), Electronics Technician, Hathaway Instrument. Co., 5B00 E. Jewell, Denver, Colo.
 JUST, GEORGE A. (S'43-A'45), Project Engr., Philico Corp., C & Tioga Sts., Philadelphia 34, Pa.
 JUSTICE, LOUIS E. (S'4B-A'49-M'55), Electronics Engr., Research Labs., Magnavox Co., 2255 Carmellina Ave., Los Angeles 64, Calif.

- Angeles 64 , Lall'.
 JUSTICE , RAYMOND (A'55-SM'58), Sr. Electronics Group
 Engr., Convair, San Diego, Calif.
 JUSTICE , ROBERT J. (M'58), Ensign, USN, Line Officer,
 Communications Sect., USS Mt. McKinley (AGC-7).
 Home: 816 Westmorland, Norfolk 8, Va.
- NUINE: 016 WESTMORTHIN, MOTORIS A, VA.
 JUSTMAN, SIMON (A'42-M'55), Electronics Engr., FAA,
 Atlantic City, N.J.
 JUSTUS, JOHN R. (A'47), Electronics Engr., Army Balistic
 Missile Agency, Redstone Arsenal, Ala.
 JUTILA, SAKARI T. (M'56), Instr., Syracuse Univ.,
 Syracuse 10, N.Y.

- Syracuse 10, N. Y.

 JUTRAS, PAUL D. (S'58-M'59), Electronics Engr., Portsmouth, N. H.

 JUTSON, R. P. T. (SM'52), Mem. Tech. Staff, Bell Tel.

 Labs., Murray Hill, N. J.

 JUTTING, WALTER C. vanB. (M'58), Test Equipment Engr.,

 Commercial Prods. Div., Canadian Marconi Co., 2442

 Trenton Ave., Montreal 16, P. Q., Canada.

 JUZYCZ, MARIAN S. (S'53-A'54-M'56), Electronics

 System Engr., Avro Aircraft Co., Ltd., Box 4004 Terminal

 "A," Toronto, Ont., Canada.

- KAAR, IRA J. (J'22-A'25-M'29-F'41), V.P. & Engrg. Dir., Hoffman Electronics Corp., 3761 S. Hill St., Los Angeles, Calif.
- KAAR, JDHN M. (A'36-VA'39-M'55), Pres., Middlefield Investment Co., 6 Robert S. Dr., Menlo Park, Calif. KAAT, STANLEY L. (S'56-M'57), Systems Engr., Fams-worth Electronics, 3702 E. Pontiac, Ft. Wayne, Ind.
- worth Electronics, 3702 E. Pontlac, Ft. Wayne, Ind.
 KAAZ, FRED W. (S'55-M'56), Sr. Engr., The Martin Co.,
 Box 179, Denver 1, Colo.
 KABAT, CHARLES L. (A'58), Genl. Mgr., Landes Electronic
 Fasteners, 510 W. Broadway, New York 33, N.Y.
 KABELL, JACK (S'43-A'45-M'55), Sr. Research Engr.,
 Stanford Research Institute, Menlo Park, Calif.
- KABRISKY, MATTHEW J. (S'50-A'53-M'58), ist Lt USAF, Project Officer, Rome Air Development Center, Griffiss AFB, N.Y.
- GABLES, NORBERT G. (SM'59), Sr. Project Engr., Tasker Instruments Corp., 3349 Cahuenga Blvd., Hollywood 28, Calif.
- KACHNIC, JOSEPH E. (S'57-M'58), Mem. Tech. Staff, RCA, 2720 E. Broadway, Tucson, Ariz. KACHUCK, ISRAEL J. (S'53-M'58), Sr. Engr., Polytechnic Research & Development Co., 200 Tillary St., Brooklyn 1, N.Y.

- N.Y.

 KACKAUSKAS, JOHN J. (S'50-A'53-M'58), Field Engr.,
 Sylvania Elec. Prods., Inc., Emporlum, Pa.

 KACZANOWSKI, WILLIAM (S'57-M'58), Site Technician,
 Burroughs Corp., 511 N. Broad, Philadelphia, Pa.

 KADAK, EUGENE (A'43-M'56), Research Engr., Westing-house Elec. Corp., Beulah Rd., Pittsburgh 35, Pa.

 KADEN, GEORGE (S'50-A'52-M'57), Sr., Project Engr.,
 American Electronic Labs., Box 552, Lansdale, Pa.
- American Liectronic Labs., Box 552, Lansdale, Pa. KADEN, PAUL A. (S154-M156), Design & Dev., Engr., Hazeltine Electronics Div., Little Neck, L.I., N.Y. KADET, JDRDAN (S142-A144-SM153), Projects Staff Mgr., Data Systems Operations, Sylvania Elec. Prods., Inc., Needham, Mass.
- KADIN, JOSEPH (A'51-M156), Dev. Engr., ITT Labs., Nutley 10, N.J.
- RADISH, JULES E. (S'44-A'46-M'51-SM'53), Chief Engr., Raytheon Canada, Ltd., 61 Laurel St., E., Waterloo, Ont.,
- KADD, RAYMOND T. (S'57-M'58), Asst. Engr., Univ. of California, Medical School, Dept. of Biophysics, Los Angeles 24, Calif.
- KADOKURA, TOSHIO (A'58), Asst. Prof., Elec. Engrg. Dept., Waseda Univ., 647, 1-Chome, Shinjikuku, Tokyo, Japan.
- KADDNAGA, HIDED (s'55-A'55), 324 E. 66 St., New York 21, N.Y.

- KAUDMAGA, HIDED (s'55-A'55), 324 E. 66 St., New York 21, N.Y.

 KAEBURN, LESLIE K. (SM'56), Research Assoc., Bio Electronics U.S.C., Los Angeles 33, Calif.

 KAEDING, DUANE A. (S'55-M'56), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 KAELIN, BRUNO A., JR. (S'50-A'52-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 KAENEL, REGINALD A. (M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 KAESEMEYER, WALTER W. (S'52-M'55), Engr., Baldwin Piano Co., 1801 Gilbert Ave., Cinclinnati 2, Ohio.

 KAESEN, JOSEPH M. (A'54-M'56-SM'58), Mgr., Range Support, RCA, Patrick AFB, Fla.

 KAETEL, H., CHARLES (J'27-A'30-M'55), Engr., WISN Div., Hearst Corp., 759 N. 19 St., Milwaukee 3, Wis.

 KAFAELAN, JDHN (S'41-A'42-M'49), Electronics Engr., Radfological Research Lab., Univ. of California Medical Center, San Francisco 22, Calif.

 KAFALAS, CONSTANTINDS (S'47-A'49-M'55), Pres.,
- Center, San Francisco 22, Calif.
 KAFALAS, CONSTANTINDS (5'47-A'49-M'55), Pres.,
 Prototype Transformer Corp., 1 Henry St., Bloomfield, N.J.
 KAFERLE, JACOB G. (M'57), Training Difficer & Chief Instr.,
 Electronics, Frankford Arsenal, Philadelphia 37, Pa.
 KAFF, LESLIE E. (S'55-M'56), Systems Engr., Collins
 Radio, 1930 HiLine Dr., Dallas, Tex.
 KAFITZ, PETER H. (M'53), Dir. Military Projects, Kintel
 Div., Cohu Electronics, 5725 Kearny, Villa Rd., San Diego
 11, Calif.

- 11, Calif.

 KAGAN, HERMAN N. (S'50-A'52-M'57), Chief Engr., Bogart Mrg. Corp., 315 Seigel St., Brooklyn 6, N.Y.

 KAGAN, MYRON F. (S'44-A'46-SM'55), Tech. Staff Asst., Hughes Aircraft Co., Culver City, Calif.

 KAGER, GERARD H. (M'57), Electronics Engr., S. T. C. of Canada, 9600 St. Lawrence, Montreal, P. O., Canada.

 KAHALAN, CHARLES H. (M'56), Sr. Mech. Engr., Packaging Sect., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 KAHAL, ROBERT (SM'53), Prof., Elec. Engr., Syracuse Univ., Syracuse 10, N.Y.

 KAHAN, J. GEORGE (M'50), Consultant, Airborne Instrument Lab., Mineola, L.I., N.Y.

- KAHAN, S. DAVID (S'56-A'59), Field Engr., Raytheon M/g. Co., Haverhill St., Andover, Mass.

 KAHANT, CHARLES G. (A'45), Mgr., Kahant Associates, 11 Park Pl., New York 7, N.Y.

 KAHGAN, JACK J. (A'41-M'48), Pres., Kahgan Sales Corp., 1261 Broadway, New York 1, N.Y.

 KAHL, ARY B. (S'53-A'54), Teacher, Escola Tecnica do Exercito, Praia Vermelha, Rio de Janeiro, Brasil.

 KAHL, DAVID S. (SM'58), Head, Engrg. Sect., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 KAHL, FREDERICK A. (SM'57), Chief Engr., Taylor Engrg., Inc., 2100 St. Paul St., Baltimore 18, Md.

 KAHL MAURICE I. (A'56-M'37-SM'43), Head, Materials & Process Sect. Div., Engrg. Dept., Sylvania Elec. Prods., Inc., Seneca Falls, N.Y.

 KAHLE, FREDERICK L. (A'55), Owner, Mobile Commun-

Inc., Seneca Falls, N.Y.

KAHLE, FREDERICK L. (A'55), Owner, Mobile Communication Services, 2135 Michigan, Detroit, Mich.

KAHLE, FREDERICK L. (A'55), Owner, Mobile Communication Services, 2013 Michigan, Detroit, Mich.

KAHLENBERG, ARNOLD H. (A'58), Telemetry Technician, RCA Service Co., Patrick AFB, Fla.

KAHLER, FRANCIS C. (SM'58), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

KAHLER, ROYCE C. (S'50-A'52-M'58), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

KAHN, ALFRED (A'47-SM'51), Assoc. Lab. Dir., RCA Labs., Rocky Point, L.I., N.Y.

KAHN, ALLAN A. (S'56-M'57), Assoc. Engr., 1BM, Poughkeepsie, N.Y.

KAHN, BENJAMIN S. (M'57), Project Engr., RCA, Missile & Sufrace Radar Dept., 11819 W. Olympic Bivd., Los

KAHN, BERNARD (A'59), Mgr., Radio Div., Ward C. Rogers Communications, 55 E. Washington St., Chicago, III. AKHN, DAVID A. (A'572), Instr., Fixed Sta. Branch, Radio Div., Dept. of Specialist Training, U.S.A.S.C.S., Ft. Monmouth, N.J.

KAHN, DLIBERT (A'56), Engrg., Physicist, Physionics

KAHN, GILBERT (A'56), Engrg., Physicist, Physionics Unlimited, 7 Trees, New Hyde Park Rd., New Hyde Park, L.I., N.Y.

L.I., N.Y.

KAHN. HARRY (M'59). Desion Engr., IBM, San Jose, Calif.

KAHN, HERBERT S. (S'49-A'50-M'58), Dept. Mgr., W.L.

Maxson Corp., 460 W. 34 St., New York 1, N.Y.

KAHN, IRVING (A'50), Partner, J.R. Williston & Beane, 2

Broadway, New York 4, N.Y.

KAHN, IRVING (A'51-M'58), Electronic Consultant, E.T.R.

Supply Co., Ltd., 5765 PARE, Town of Mt. Royal, P.Q.,

Canada.

Canada .

KAHN , LAMOS (A'27-VA'39) , Buyer & Part-Owner , Harris Kahn , 8401 Buffalo Ave . , S. , Chlcago 17 , III.
KAHN , LEONARD R . (S'46-M'51-SM'54) , Pres. , Kahn Research Labs . , Inc . , 22 Pine St . , Freeport , L.1. , N.Y.
KAHN , LOUIS (A'31-SM'51) , Tech. Asst. to Pres . , Aerovox Corp. , 740 Belleville Ave . , New Bedford , Mass .

Corp., 740 Belleville Ave., New Bedford, Mass.
KAHN, MORTON B. (SM'54), Consultant, 22 Birch Hill Rd.,
Great Neck, L.I., N.Y.
KAHN, STANLEY H. (A'47-M'51), Southeastern Radio Supply Co. of Raleigh, Inc., 414 Hillsboro St., Raleigh, N.C.
KAHN, WALTER K. (S'50-4'51-M'56-SM'59), Sr. Research
Assoc., Microwave Research Institute, 55 Johnson St.,
Brocklyn 7, N.Y.

Brooklyn 7, N.Y.

KAHN, WILLIAM M. (M'57), Computer Engr., Datamatic Corp.,
151 Needham St., Newton Highlands, Mass.

KAHNE, LIONEL (A'56), Project Engr., Sect. Head, Mech.
Projects, RCA Missile & Surface Radar, 11819 W.

Olympic Bivd., Los Angeles 64, Calif.

KAHNKE, JOSEPH (A'44-M'48), Research & Dev. Engr., Franklin Mfg. Co., 65 22 Ave., N.E., Minneapolis 18, Minn.

Minn.

KAHOVER, CHARLES R. (A'56), Sr. Electronics Engr., Motorola, Inc., 1450 N. Cicero, Chicago, III.

KAHRILAS, PETER J. (S'44-A'47-M'52-SM'55), Research Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

KAHRMANN, HENRY C., JR. (M'57), Mgr., Military Publications, Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos, Calif.

KAHRS EDWARD P. (SIEE MICT) Electronics.

Carlos, Calif.

KAHRS, EDWARD R. (S'55-M'57), Electronics Engr., USAF, Warner Robins, Ga.

KAHWAJY, FARIS T., JR. (S'56-M'58), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

KAIDER, HENRY J. (M'59), Quality Control Mgr., Beckman-Berkelev. 2200 Wright Ave., Richmond 3, Calif.

KAIFER, ROBERT C. (A'53-M'58-SM'59), Electronics Engr., Univ. of California Radiation Lab., Livermore, Calif.

KAIL, LAURENCE T. (M'56), Project Engr., Servomechanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif.

KAIL. WILLIAM F. (S'50-A'52-M'56), Sales Engr., GE Co., Lynchburg, Va.

KAIL. WILLIAM F. (S'50-A'52-M'50), Sales Engr., O. So., Lynchburg, Va.

KAILING, ALEX F. (S'56-M'57), Jr. Engr., AC Spark Plug, 1925 E. Kenilworth, Milwaukee, Wis.

KAIN, JOSEPH (M'57), Electronics Engr., U.S. Army Signal Air Defense Engrg. Agency, Ft. Meade, Md.

KAIN, RICHARD Y. (S'56-M'58), MIT Graduate House, Cambridge, Mass.

KAINE, ALBERT A. (M'58), Elec. Engr., Bendix Aviation Corp.. 95 & Troost Sts., Kansas City 10, Mo.

KAISEL, STANLEY F. (S'42-A'45-SM'54), Pres., Microwave Electronics Corp., 4061 Transport St., Palo Alto, Calif.

KAISER, ALFRED W. (A'51-SM'57), Prod. Dev. Engr., RCA,

Harrison, N.J. KAISER, ARTHUR (A'52-M'53), Project Engr., CBS Labs., 227 High Ridge Rd., Stamford, Conn.

KAISER, C. JOSEPH (M¹59), Design Specialist, Martin Co., Orlando. Fla.
KAISER, E. H. (A¹45), 1809A N. 21 St., Milwaukee 5,

Wis.

KAISER, EARL E. (A'53-M'59), Electronics Field Engr.,
Natl. Sciemlific Labs., Inc., 2010 Massachusetts Ave.,
Washington, D. C.

KAISER, EDWARD J. (S'54-M'57), Electronics Engr., Evans
Signal Lab., Belmar, N.J.

KAISER, EDWIN T. (SM'55), Pres., Kaiser Electronics,
Inc., 33 Monroe St., Union, N.J.

KAISER, HENRY R. (A'47-M'47-SM'55), Chlef Engr.,
WIIC-WWSW, 341 Rising Main St., Pittsburgh 14, Pa.

KAISER, HERMAN F. (A/55), Physicist, U.S. Naval Re-search Lab., Washington 25, D.C.

KAISER, JAMES F. (A157), Asst. Prof., MIT, Cambridge,

KAISER, JAMES F. (A'57), Asst. Prof., MIT, Cambridge, Mass.

KAISER, JULIUS A., JR. (S'48-A'50-M'53), Electronic Scientist, Diamond Ordnance Fuze Lab., Washington 25, D.C. KAISER, QUENTIN C. (A'51-M'57), Physicist, Diamond Ordnance Fuze Labs., Washington 25, D.C. KAISER, RICHARD L. (S'55-M'55), Research Asst., Ohio State Antenna Lab., Ohio State Univ., Columbus, Ohio. KAISER, ROBERT P. (S'53-M'56), Engr., Bendix Aviation Corp., South Bend, Ind. KAISER, ROBERT W. (M'56-SM'58), Branch Mgr., PWT, Instrument Branch, Aro, Inc., AEDC, Tullahoma, Tenn. KAITERIS, CHRISTOPHER P. (S'56-M'55), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

KALAKOWSKY, CHARLES B. (A'46-M'55), Electronic Scientist, Air Force Cambridge Research Center, Hanscom AFB, Mass.

KALAMARAS, GUSA. (S'57-A'58), Electronics Engrg.

Mass.

KALAMARAS, GUSA. (S'57-A'58), Electronics Engrg.
Aide, Island Naval Shipyard, Vallejo, Calif.

KALAYJIAN, JOHN, JR. (M'58), Elec. Engr., Radioplane
Div., Northrop Aircraft, Inc., 8000 Woodley Ave., Van
Nuys, Calif.

Nuys, Calif.

KALB, HARRY N. (A'40-M'55), Mgr. Risco, 265 Minna St.,
San Francisco 3. Calif.
KALB, ROBERT M. (A'42-SM'46), Remington Rand Univac,
St. Paul 16. Minn.

KALBACH, JOHN F. (SM'51), Assoc. Dir., Engrg., ElectroData Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.

KALBELL DAVID C. (MACA)

Data Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.

KALBFELL, DAVID C. (A'44-SM'45), Pres., Kalbfell Electronic. Box 6207, San Diego 6, Calif.

KALBFELSCH, ALLYN M. (A'55), Kalcraft Recordings, Banner Elk, N.C.

KALDDR, HAROLD (M'56), Communications Engr., Saskatchewan Power Corp., Regina, Sask., Canada.

KALE, GEORGE W. (4'55), Salesman Counter, Newark Electric Co., 223 W. Madison St., Chicago 6, Ill.

KALENICH, WANNE A. (A'59), Librarian, IBM, Yorktown Heights, N.Y.

KALES, MORRIS L. (M'51), Mathematician, Naval Research Lab., Washington, D.C.

KALET, MORTON L. (S'58-M'59), Jr. Elec. Engr., ITT Labs., Mutley 10, N.J.

KALFUS, PHILIP L. (S'57-M'59), Project Engr., United Electronics Co., 42 Spring St., Newark, N.J.

KALIBJIAN, RALPH (S'50-A'52-M'57), Research Engr., Hughes Aircraft Co., Culver City, Caillí.

KALIN, FELIX (A'55), Mem. Tech. Staff, Internatl. Electric Co., Paramus, N. J.

KALISTA, AVRAM (A. 152), nem. 1ecn. Staff, Internati. Electric Co., Paramus, N. J.

KALISH, HARRY M. (A'49-M'56), Publications Engr., Bell Tel. Labs., Whippany, N. J.

KALISH, ISRAEL H. (S'53-A'54-M'58), Design Engr., RCA, Somerville, N. J.

KALISKY, AVRAM (A'53), Electronics Engr., Waltham Electronics Corp., Wlatham 54, Mass.

KALISTA, STEPHEN A. (S'52-A'53), Electronics Engr., U. S. Amy Signal Corps, Ft. Monmouth, N. J.

KALISZEWSKI, THADDEUS (S'55-A'56-M'58), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

KALKMAN, EUGENE C. (S'48-A'50-M'55), Engrg. Mgr., RCA, Camden, N. J.

KALL, ALBERT R. (A'49-M'55). Owner & Consulting Engr.

RALKMAN, EUGHE C., 349-A John 37), Ellink Instru RCA, Camden, N. J.

KALL, ALBERT R. (A'49-M'55), Owner & Consulting Engr., Ark Engr. Co., 431 W. Tabor Rd., Philadelphia 20, Pa. KALLESSAR, JOHN J. (S'52-A'53-M'58), Engr., American Bosch Arma Corp., Roosevelt Field, Garden City, L. I., N. Y. KALLIN, ROBERT L. (A'56), Sr. Engr., Electronic Systems Div., Sylvania Elec. Prods., Inc., Waltham 54, Mass. KALLMANN, GEORGE T. (M'58), Sr. Electronics Engr., Convair, San Diego, Calif. KALLMANN, HEINZ E. (A'38-M'41-SM'43-F'59), Elec-tronics Consultant, 417 Riverside Dr., New York 25, N.Y. KALMAN, JEROME (S'49-A'50-M'55), Chief Engr., Solar Prods., Semiconductor Div., Hoffman Electronics Corp., 930 Pitner Ave., Evanston, Ill.

Prods., Semiconductor DIV., Horiman Electronics Cop., 930
Pitner Ave., Evanston, III.

KALMAN, RUDOLF E. (S'53-A'55), Scientist, RIAS, 7212
Bellona Ave., Ballimore 12, Md.

KALMUS, HENRY P. (A'39-SM'45-F'56), Chief, Advanced
Research Lab., Assoc. Dir., Diamond Ordnance Fuze Labs.,
Washington 25, D. C.

KALOS, SEYMOUR (A'51), Purch. Agent, American Electronic
Labs., Inc., 121 N. 7 St., Philadelphia 6, Pa.

KALRA, SURINDRA N. (S'46-A'47-M'52-SM'59), Assoc.
Research Officer, Natl. Research Council, Div. of Applied
Physics, Ottawa 2, Ont., Canada.

KALSTROM, RICHARD D. (M'56), Assoc. Engr., Raytheon
Mfg. Co., Box 636, Santa Barbara, Calif.

KALT, CHARLES G. (4'51-M156), Pres., Technical
Marketers, Inc., 550 5 Ave., New York 36, N. Y.

KALTENBACH, REGINALD F. (M'58), Suova. TechRep.,
Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal,
P. Q., Canada.

KALTENBACHER, DONINIC M. (M'56), Project Engr., 20

KALTENBACHER, DONINIC M. (M'56), Project Engr., Aeronca Mfg. Corp., Hilltop & Frederick Rds., Baltimore 28, Md.

KALUGER, MICHAEL M. (A'50-M'53), Group Supvr., Elec troData Div., Burroughs Corp., 460 N. Slerra Madre Villa, Pasadena, Calif.

trouza Div., Burroughs Corp., 460 N. Sierra Madre Villa, Pasadena, Calif.

KALUZNA, IRVING J. (S'42-A'45-M'55), Pres., 1. J. Kayle & Associates, Inc., 6116 N. Lincoln Ave., Chicago 30, Ill.

KALUZNY, EUGENE F. (S'53-A'55), Electronic Prods. Electrician, RCA, Harrison, N. J.

KALVISTE, AAVO (S'52-A'55), Assoc. Engr., Bocing Airplane Co., Box 107, Seattle 14, Wash.

KAM, BERTRAM W. (M'59), Electronics Engr., FAA, Box 4009, Honohulu, Hawaii.

KAM, PHILIP Y. T. (A'48), Project Electronics Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia, Pa. KAMAL, ADITYA K. (M'57), Asst. Prof., School of Elec. Engrg., Purdue Univ., West Lafayette, Ind. KAMAL, AHMAD A. (M'57), Asst. Instr., Elec. Dept., Cairo Univ., Cairo, Egypt.

KAMAT, JOHAMANIS. (M'56), Research Engr., Indian Statistical Institute, 203 Barrackpore Trunk Rd., Calcutta 35, India.

KAMAT, JITHAL Y. (A'35-M'54), c/o Kamat Bros., 12

35, India. KAMAT, VITHAL Y. (A'35-M'54), c/o Kamat Bros., 12 Dwarkadas Mansion, Sandhurst Rd., Bombay 4, India. KAMBOURIS, GEORGE N. (M'57), Project Engr., Diamond Ordnance Fuze Lab., Washington 25, D. C.

KAMEN, IRA (M'48-SM'52), V. P., Geni. Bronze Corp., 711 Stewart Ave., Garden City, L. I., N. Y. KAMEN, SUSAN K. (M'59), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y. KAMEN, WILLIAM J. (S'56-A'57), Field Engr., Kearfott Co., inc., 1150 McBride Ave., Little Falls. N. J. KAMENA, JOHN G. (A'52-M'57), Analyst, Remington Rand Univac, 2100 N. Akard, Dallas, Tex. KAMENS, ENJAMIN R. (A'52-M'53-SM'57), Engr., The Howard J. Schuft Co., Inc., 815 Washington St., Newton-KAMENS, KJ STAN A. (S'57-M'59), 283 Ashmont St., Dorchester 24, Mass.

Howard J. Schuft Co., Inc., 815 Washington St., Newton-KAMENSKI, STAN A. (S'57-M'59), 283 Ashmont St., Dorchester 24, Mass.

KAMENTSKY, LOUIS A. (S'54-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

KAMIL, TSVI (A'58), Research & Dev. Engr., The Weizmann Institute of Science, Rehovot, Israf.

KAMINOFF, MAX (S'46-A'48-M'55), Sr. Meterman, Seattle City Light Co., 2614 A 4ve., Seattle, Wash.

KAMINOW, IVAN P. (A'54-M'159), Mem. Tech. Staff, Bell Tel. Labs., Whilopany, N. J.

KAMINSKI, GEROLD L. (S'57-M'58), Elec. Engr., Kaiser Aircraft & Electronics, Bernore Rd., Toledo, Ohio.

KAMINSKI, WALTER A. (M'58), DI-An Controls, Inc., 40 Leon St., Boston 15, Mass.

KAMINSKY, LEONARD M. (S'50-A'51-M'55), Dev. Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill. KAMINSKY, VICTOR J. (S'56-A'58), Engr., Electro-Voice, Inc., Cecil & Carol Sts., Buchanan, Mich.

KAMINSKY, VICTOR J. M. (S'48-A'59), Farg., Electro-Voice, Inc., Cecil & Carol Sts., Buchanan, Mich.

KAMINSKY, VICTOR J. W.R. (S'48-A'51-M'56), Project Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

KAMM, DANID A. (S'58-M'59), Test Engr., Guidance System, Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

KAMM, ONALD D. (A'58), Engrg., Test Engr., Guidance System, Bendix Aviation Corp., 1329 Arlington St., Cincinnati 25, Ohio.

KAMMER, DON E. (M'58), Project Engr., Grosley Div., Avco Mig. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

KAMMER, DON E. (M'58), Project Engr., Grosley Div., Avco Mig. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

KAMMER, DON E. (M'58), Project Engr., Crosley Div., Avco Mig. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

KAMMER, DON E. (M'58), Project Engr., Crosley Div., Avco Mig. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

KAMMER, DAN E. (M'58), Project Engr., Crosley Div., Avco Mig. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

KAMMER, DAN E. (M'58), Engr., Electronics Design. Engr., Balt-Imore S., Md.

KAMM, VERDON C. (S'54-M'56), Electronics Design. Engr., Balt-Imore S., Md.

imore 3.7., westinginouse Elec. Corp., Box 1897, Baltimore 3, Md.

KAMP, FREDERICK S. (S'54-M'56), Electronics Design Engr., Bausch & Lomb Optical Co., 635 St., Paul St., Rochester 2, N.Y.

KAMPE, ERNEST A. (A'52-M'53), Engr., Sperry Microwave Electronics, Co., Box 1828, Clearwater, Fla.

KAMPF, HENRY A. (S'48-A'51-M'52-SM'55), Assoc. Engr., Argonne Natl. Lab., Box 299, Lemont, III.

KAMPF, ROBERT J. (A'59), Group Leader, Design & Dev., RCA, Camden, N. J.

KAMPHOEFNER, FRED J. (S'43-A'45-M'46-SM'51), Mor., Control Systems Lab., Stanford Research Institute, Menlo Park, Calif.

KAMPINSKY. ARF (S'44-M'55), Flactorics Force, II.S.

rark, Lail.

KAMPINSKY, ABE (S'46-M'55), Electronics Engr., U.S.

Army Signal Research & Development Lab., Evans Signal

Lab., Belmar, N.J.

KAMPMEYER, ROY A. (A'57), Project Engr., Friez Instrument Div., Bendix Aviation Corp., 1400 Taylor Ave., Baltimore 4, Md.

KAMPSCHOER, JAMES F. (S'50-A'52-M'57), Dept. Chlef, Radio Engra., Western Electric Co., 220 Church St., New York 13, N.Y.

York 13, N.Y.

KAMSLER, WILLIAM F. (SM'56), Projects Mgr., Epsco-West, 240 E. Palais Rd., Anahelm, Calli.

KAN, GEORGE S. (S'41-A'44), Radio Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

KANAL, LAVEEN N. (S'50-A'54), Research Engr., Moore School of Elec. Engrg., Univ. of Pennsylvania, Philadelphia 4, Pa.

KANAWYER, WALTER N. (A'55-M'57), Mem. Tech. Staff, Fairchild Semiconductor Corp., 844 Charleston Rd., Palo Alto, Calif.

Alto, Calif.

KANDA, ALVIN F. (S'53-M'57), Assoc. Engr., Genl. MIlls, Inc. 2003 E. Hennepin Ave., Minneapolis 13, Minn. KANDOIAN, ARMIG G. (S'35-A'36-SM'44-F'51), V.P., Communication Systems, ITT Labs., Nutley 10, N.J. KANE, BENJAMIN P. (A'52-M'57), Sr. Project Engr., General Ceramics Corp., Keasbey, N.J. KANE, CLARENCE G., JR. (A'51-M'56), Sr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohlo.

Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

KANE. GORDON (S'54-M'57), 9 Liberty St., Natick, Mass. KANE, HARRY P. (M'58), Sr., Field Engr., Philoc Corp., 22 St., & Lehigh Ave., Philadelphia, Pa.

KANE, JAMES R. (S'57-M'59), Jr., Design Engr., RCA Communications, Inc., 66 Broad St., New York 4, N.Y.

KANE, JOHN R. (S'48-A'49-M'55), Mktg., Administrator, Surface Communications Dept., RCA, Camden, N.J., KANE, LEO P. (S'58-M'59), USN, Box 151, Skiffes Creek Annex, Naval Weapons Sta., Yorktown, Va.

KANE, PHILLP M. (S'56-M'58), When. Tech. Staff, Ramo-Wooldridge Labs., Canoga Park, Calif.

KANE, ALPH W. (M'49), V.P., For Instruments, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

KANEKO, GEORGE S. (A'54), Elec. Engr., County of Los Angeles, 108 W. 2nd St., Los Angeles 12, Calif.

KANEN, GARTH M. (S'57-M'58), Radar Instr., Aeronautical Center, Box 1082, Oklahoma City, Okla.

KANERVA, OLAVI (A'59), Obaniemi, Otanotke A-12, Heisiki, Finland.

KANESKI, VINCENT J. (S'55-M'58), Electronics Engr., Meloar, Inc., 3000, Addington. Edit Church Control of the Co

KANERVA, OLAVI (A'59), Otaniemi, Otanotke A-12, Helsinki, Finland.

KANESKI, VINCENT J. (S'55-M'58), Electronics Engr., Melpar, Inc., 3000 Arlington, Falls Church, Va.

KANG, CHI LUNG (S'48-A'51-M'56), Research Assoc., Physics Dept., Princeton Univ., Princeton, N.J.

KANG, CHI LUNG (S'48-A'51-M'56), Research Assoc., Physics Dept., Princeton Univ., Princeton, N.J.

KANG, KWAN HO. (S'53-A'54), Elec. Fleld Engr., Bechtel Corr., Box 190, Morris, III.

KANG, YOUNG D. (A'50-M'55), Chief Engr., Tema Record Co., 1259 Matlock, Honolulu, Hawaii.

KANIA, ALBERT T. (M'58), Electronics Scientist, Tobyhanna Signal Deoto, Tobyhanna, Pa.

KANIS, EDWARD J. (A'58), Field Service Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.

KANITKAR, GOPAL C. (A'57), Prof., Walchand College of Engr., Vishrambag, Sangli, Bombay State, India.

KANNAR, CLAYTON J., JR. (S'53-A'55), Tech. Procurement Engr., Westinghouse Elec. Corp., Box 1047, Pittsburgh 30, Pa.

- KANNAN, SRINIVASAN (A'47-M'54), Asst., Documentation Dept., Lancashire Dynamo Electronic Prods., Ltd., B.E.P. Works, Rugeley, Staffs, England. KANNAWIN, WILLIAMI, (S'54-A'55), 1st Lt. (Navigator), USAF (MATS), 5Bth Air Transport Sqdn., McGuire AFB,
- N.J.

 KANNELAUD, JAAN (S'54-M'59), Engr., Sylvania Elec. Prods., Inc., 820 Fabian Way, Palo Alto, Calif.

 KANNENBERG, WALTER F. (A'25-SM'45), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 KANNENSTINE, F. M. (A'16-VA'39-M'55XL), Owner, Kannenstine Labs., 1922 W. Gray Ave., Houston 19, Tex.
- Tex.

 KANNER, MARTIN (S'56-M'59), Servo Systems Engr.,
 Fairchild Graphic Equipment Co., Fairchild Dr., Plainview,
 L.I., N, Y.

 KANNER, RONALD H. (S'53-M'56), Mem., Operational
 Requirements for Systems Analysis, Hughes Aircraft Co.,
 Culver City, Calif.

- Culver City, Calif.

 KANSAS, ROBERT (S'44-A'46-S'50-A'53-SM'58), 704
 Fraser Rd., Philadelphia 18, Pa.

 KANSAS, ROBERT E. (S'44-A'46-S'50-M'53-SM'55),
 Systems Engr., RCA, Moorestown, N.J.

 KANSKAR, KUL R. (A'56), Engr., Wireless & Telephone
 Dept., Tripureswar, Kathmandu, Nepal, India.

 KANT, MILTON (S'47-A'48-M'55), Head, Engrg. Sect.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 KANTAUTAS, ADAM (A'55), Electronics Service Mgr.,
 Heintzman & Co., Ltd., 10139 Jasper Ave., Edmonton,
 Alta., Canada.
- Alta., Canada.

 KANTEBET, SHANKAR R. (A'25-M'31-SM'43-F'49),
 Retired, 11th Road, Santa Cruz, E., Bombay 25, India.

 KANTENBERGER, RICHARD F. (A'58), Partner, The
 Kantenberger Co., 711 Reverchon Dr., Dailas, Tex.

 KANTER, EARL (M'36), Sr. Consultant, Marc Shlowitz &
 Associates, Inc., 13520 Crenshaw Blvd., Gardena, Calif.

 KANTER, HAROLD H. (M'52), Supvr., Computer Applications & Operations Research, Armow Research Foundation of
 Illinois Institute of Technology, 10 W. 35 St., Chicago 16,
 III.
- KANTER, IRVING (M'59), Systems Engr., RCA, Moorestown,

- KANTER, IRVING (M'59), Systems Engr., RCA, Moorestown, N.J.

 KANTER, JULES I. (A'50-M'55), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.
 KANTER, LAWRENCE E. (A'53-M'57), Dev. Engr., I8M, Poughkeepsie, N.Y.
 KANTER, LAWRENCE E. (A'53-M'57), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 KANTHACK, IRVIN H. (A'56), Sr. Dev. Technicaln, American Bosch Arma Corp., Garden City, L.I., N.Y.
 KANTHACK, IRVIN H. (A'55), Sr. Industrial Engr., Lewyt Mfg. Corp., 43-22 Queens St., Long Island City 1, N.Y.
 KANTON, LORIN B. (A'55), Sr. Industrial Engr., Lewyt Mfg. Corp., 43-22 Queens St., Long Island City 1, N.Y.
 KANTON, ARTHUR C. (A'58), Engrg. Writer, Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 KANTOR, GIDEON (S'46-A'51-M'52), Research Asst., Comell Univ., Ithaca, N.Y.
 KANTOR, RONALD R. (S'55-M'59), 1325 Lenox Ave., Miami Beach 39, Fla.
 KANTOR, STUART D. (S'55-A'57), Electronics Tester, HMED, GE Co., Syracuse, N.Y.
 KANTROWITZ, PHILIP (A'45-M'55), Sr. Engr., Sonotone Corp., Elmsford 1, N. Y.
 KANTROWITZ, WILLIAM (S'52-A'53), Tech. Aide, Bell Tel. Labs., Murray Hill, N. J.
 KANTSKY, WALTER (M'59), Jr. Engr., Philico Corp., 3875 Fabian Way, Palo Alto, Calif.
 KANZE, ALBERT J. K. (S'50-A'51-M'56), Design & Dev. Engr., RCA, 11819 W. Olympic Bivd., Los Angeles, Calif. KAO, CHUNG-CHIN (M'45), V.P., Trasia Corp., 285
 Madison Ave., New York 17, N. Y.
 KAO, LIN (M'56), Elec. Engr., Admiral Corp., 3800 Cortland, Chilonae d'7, Ill.

- Madison Ave., New York 17, N. Y.

 KAO, LIN (M'56), Elec. Engr., Admiral Corp., 3800 Cortland, Chicago 47, III.

 KAPANORITIS, GUS N. (S'57-M'58), 4120 McKinley

 8lvd., Sacramento 19, Calif.

 KAPEGHIAN, ROBERT H. (M'58), Aero Engrg. Group,

 Overhaul & Rep. Dept. Nas, Lakehurst, N. J.

 KAPEGR, VINCENT C. (A'52), Electronics Engr., Griffiss

 AFB, N. Y.
- AFD, N. Y.

 KAPLAN, ALBERT J. (M'58), Project Engr., Bendix Aviation
 CDrp., 11600 Sherman Way, North Hollywood, Calif.

 KAPLAN, ARTHUR B. (S'55-M'58), Electronics Engr.,
 W. L. Maxson Corp., 460 W. 34 St., New York 1, N. Y.
- W. L. Maxson Corp., 460 W. 34 St., New York 1, N. Y. KAPLAN, BENJAMIN J. (M'57), Staff Consultant, Melpar, inc., 11 Galen St., Watertown, Mass.

 KAPLAN, GERARD L. (S'54-M'57), Electronics Engr., The W. L. Maxson Corp., 460 W. 34 St., New York 1, N. Y. KAPLAN, IRVING (A'47), TV Servicing, Kaplan Television Service, 715 Hopkinson Ave., Brooklyn 12, N. Y. KAPLAN, KENNETH R. (S'56-M'57), Instr., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn, N. Y. KAPLAN, LEON M. (M'58), Sr. Engr., Genesys Corp., 10131 Natl. Blvd., Los Angeles 34, Calif. KAPLAN, LEONARD J. (S'54-M'57), Asst., Research Scientist, New York Univ., New York 53, N. Y.

- KAPLAN, MARTIN (S'52-A'53-SM'56), Sect. Head, Research & Dev., Digital Systems, Daystrom Instrument Div., Archbald, Pa.
- Archbald,Pa. KAPLAN, MARTIN (S'52-A'53-M'55), Exec. V.P., Martin-Merrill, Inc., 64 Serpentine Ave., Roslyn, L.I., N.Y. KAPLAN, MARTIN N. (S'42-A'44-M'55), Research Engr., Turbo Div., Sundstrand Machine Tool Co., 10445 Glenoaks Blvd., Pacoima, Calif.

- BIVO., Pacolma, Calif.

 KAPLAN, MARVIN (A'44), Chief Engr., Cosmos Industries, Inc., 31-28 Queens BIVd., Long Island City, N.Y.

 KAPLAN, MARVIN L. (S'56-M'58), Western Electric Co., Mt. Aubum St., Watertown, Mass.

 KAPLAN, MARVIN L. (S'56-M'58), Vestern Electric Co., Mt. Aubum St., Watertown, Mass.

 KAPLAN, PHILIP D. (M'58), Sr. Engr., Sanders Associates, Inc., 95 Camal St., Nashua, N.H.

 KAPLAN, RICHARD M. (M'57), Supwr., Planning, Research Center, Burroughs Corp., Paoli, Pa.

 KAPLAN, ROBERT (A'53-M'59), Engrs., ITT Labs., 3702 E. Pontlac St., Ft. Wayne, Ind.

 KAPLAN, ROBERT A. (S'53-M'59), Engrs., ITT Labs., 3702 E. Pontlac St., Ft. Wayne, Ind.

 KAPLAN, SIDNEY A. (S'52-A'54), Sr., Project Mem., RCA Surface Communications, 75 Varick St., New York 13, N.Y.

 KAPLAN, SIDNEY J. (S'52-A'54), Sr., Project Mem., RCA Surface Communications, 75 Varick St., New York 13, N.Y.

 KAPLAN, SIDNEY M. (S'48-A'50-SM'56), Pres., Systems, Inc., 60 W. Robinson Ave., Orlando, Fla.

- KAPLANSKY, JOSEPH (M'58), Production Engr., Scientific Dept., Ministry of Defence, Box 7063, Hakirya, Tel-Aviv, Israel.
- KAPLOWITZ, MORRIS (A'41), V.P., Engrg., Federal Mfg. & Engrg. Corp., 1055 Stewart Ave., Garden City, L.I., N.Y.
- KAPOUN, ROBERT (M'56), Dev. Engr., The Seeburg Corp., 1510 N. Oayton St., Chicago 22, III.
- APPELER, WESLEY H, (S'52), Electronics Specialist, Dicta-phone Corp., 711 3 Ave., New York, N. Y. KAPPAUF, ERWIN F. (A'47-M'55), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N. Y. KAPPELER, WESLEY H, (S'50-A'51), Electronics Engr., Remington Rand Univac, 1900 W. Allegheny, Philadelphia, Pa
- Pa.

 KAPPELMANN, GEORGE E. (J'41-A'42), Sr. Engr., Marine Div., Spenry Gyroscope Co., Garden City, L.I., N.Y.

 KAPPES, ARTHUR V. (A'50), Transmitter Supvr., On the Air, Inc., Evansville, Ind.

 KAPPLER, M. O. (A'50-SM'51), Pris., System Development Corp., Z500 Colorado Ave., Santa Monica, Calif.

 KAPRELIAN, EDWARD K. (A'57), Deputy Dir., Research, U.S. Amy Signal Research & Development Lab., Ft.

 Momnouth, N.J.

- Monmouth, N.J.

 KAPRIELIAN, ZOHRAB A. (M'55), Assoc. Prof., Univ. of
 Southern California, Los Angeles 7, Calif.

 KAPROCKI, FRANCIS E. (A'51-M'57), Research Asst.,
 Ordmance Research Lab., Pennsylvania State Univ.,
 University Park, Pa.

 KAPTEYN, PETER (A'55), Elec. Engr., National Co., Inc.,
 111 Washington St., Melrose 76, Mass.
- 111 Washington St., Melrose 76, Mass.

 KAPUR. KISHEN N. (M'57), Jr. Engr., IBM, Endicott, N.Y.

 KAPUST, LEO A. (M'55), Asst. Deputy for Industrial Mobilization, The Army Signal Supply Agency, (U.S. Army), Locust

 & 18 St., Philadelphia, Pa.

 KAPUTA, EDWARD J. (S'54-M'56), Electronics Engr.,

 Navy Dept., Bureau of Ships, Washington 25, D.C.

 KARABAICH, FRED C. (A'54-M'58), Electronics Engr.,

 Wright-Patterson AFB, Ohio.
- Wright-Patterson AFB, Ohio.

 KARABATS, CHRISTOPHER (M'56), Project Engr., GE
 Microwave Research Lab., California St., Palo Alto, Calif.

 KARACHUK, STANLEY T. (S'56-M'58), Asst. Engr.,
 Ford Instrument Co., 31-10 Thomson Ave., Long Island
 City, N.Y.
- City, N.Y.

 KARACZAN, WALTER W. (M'56), Electronics Engr., USAF, Philadelphia, Pa.

 KARAGIANIS, LOUIS G. (M'57), Sales Engr., Autonetics Div., No. Amer. Aviation, Downey, Callif.

 KARAIAN, EDWARD (A'56), Radiological Safety, MIT, Cambridge, Mass.

 KARAKASH, JOHN J. (A'46–SM'53), Prof. & Head, Elec. Engrg., Lehigh Univ., Bethlehem, Pa.

 KARALOW, GUSTAVE T. (A'58), 215 Elm St., S.W., Vienna, Va.

 KARALOKAS, JOHN (S'52–A'53), Assoc. Engr., Douglas

- KARALOW, GUSTAVE T. (A'SB), 215 Elm St., S.W., Vienna, Va.

 KARALUKAS, JOHN (S'52-A'53), Assoc. Engr., Douglas Aricraft Crop., Santa Monica, Calif.

 KARAMLKAS, JOHN (S'52-A'53), Assoc. Engr., Douglas Aricraft Crop., Santa Monica, Calif.

 KARAMBERIS, GEORGE (S'55-M'56), Foreign Sales Engr., Electro-Tech. Labs., 5134 Glemmont Dr., Houston 19, Tex.

 KARAN, CLARENCE (SM'56), Advisory Engr., Semiconductor Device Dev. Dept., IBM, Poughkeepsie, N.Y.

 KARANDANIS, STANLEY M. (S'55-M'58), Acre 148, Epping, N.H.

 KARAS, JOHN P. (A'54), Electronics Engr., Telechrome Mfg. Co., 26 Edison St., Amityville, L.I., N.Y.

 KARAS, MICHOLAS V. (M'57), Physicst, Air Force Cambridge Research Center, Hanscom AFB, Mass.

 KARAS, WILLIAM P. (SM'57), Sr., Dev., Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.

 KARASZ, JOHN (M'57), Sr., Lab., Dev., Technician, American Bosch Arma Corp., Garden City, L.I., N.Y.

 KARASZ, JOHN (M'57), Sr., Lab., Dev., Technician, American Bosch Arma Corp., Garden City, L.I., N.Y.

 KARAZIA, RICHARD J. (S'50-A'53-M'58), Asst., Engr., New England Power Service Co., 939 Southbridge St., Worcester 10, Mass.

 KARBO, DONALD J. (S'47-A'50-M'56), Sect., Mgr., Claulia Ordnance Div., Clevite Corp., 540 E 105 St.,

- KAR80, DONALD J. (S'47-A'50-M'56), Sect. Mgr., Clevite Ordnance Div., Clevite Corp., 540 E. 105 St., Cleveland 8, Ohio.

- Clevite Ordnance Div., Clevite Corp., 540 E. 105 St., Cleveland B., Ohio,

 KARCHER, EDWARD A. (S'56-M'59), Engr., ITT Labs.,
 Nutley 10, N.J.

 KARCHER, ERNEST R. (M'51-SM'55), Sr. Electronics Engr.,
 Convair-Astronautics, San Diego, Calli.

 KARCHER, RICHARD W. (S'47-A'51-M'56), Mgr.,
 Elec. Power & Distribution, Missile & Space Vehicle Dept.,
 GC Co., 3198 Chestuut St., Philadelphia, Pa.

 KARDA, WILLIAM O. (A'45-M'51), Engr., WINS, 28

 W. 44 St., New York 36, N.Y.

 KAROAUSKAS, EDMUND (S'49-A'50-M'55), Project
 Engr., U. S. Amny Signal Research & Development Labs.,
 Ft. Monmouth, N. Signal Research & Development Labs.,
 Ft. Monmouth, N. Signal Research & Development Labs.,
 Ft. Monmouth, St. (S'51-A'52-M'57), Supvy. Engr.,
 Westinghouse Elec. Corp., Box 1075, Pittsburgh 30, Pa.

 KARDOS, MICHAEL (A'51-M'56), Group Engr., Martin Co.,
 Box 179, Denver 1, Colo.

 KAREL, LEO G. (A'50-M'56), Sr. Electronics Engr.,
 Convair-Astronautics, San Diego 12, Calli.

 KARELS, LOUIS E. (M'57), Publications Engr., Sperry
 Gyroscope Co., Great Neck, L. I., N. Y.

 KAREW, JOSEPH J. (M'56), Dev. Engr., 8urroughs Corp.,
 Paoli, Pa.

 KARG, LESTER A. (S'49-A'50-M'58), Pres. Karg.

- Paoli, Pa.

 KARG, LESTER A. (5'49-A'50-M'58), Pres., Karg
 Labs., Inc., 30 Meadow St., South Norwalk, Conn.

 KARGER, GUNTHER (5'56-M'59), Dev. Engr., Western
 Electric Co., % Bell Tel. Labs., Whippany, N. J.

 KARIMI, ABIR A. (M'58), 16-1 Ordnance Estate,
 Rawalpindi, West Pakistan.

 KARIAMBAS, NICOLAS (A'53), Radio Engr., Hellenic
 Telecommunications Organization, 85 Patission St.,
 Athens, Greece.

- KARISH, JOHN A. (S'55-M'58), Electronics Engr., Convair, Pomona, Calif.
- Pomona, Calif.

 KARKECK, PAUL (A'58), V. P., Industrial
 Communications & Electronics Engr., 240 Alma Dr.,
 Eau Gallie, Fla.

 KARKER, EARL C. (A'36-M'45), Instr., Elec. Engrg.
 Dept., Rochester Institute of Technology, Plymouth &
 Broad, Rochester 8, N. Y.
- KARKLYS, JOSEPH (S'57-M'58), Circuit Dev. Engr., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, III. KARL, C. ROBERT (S'56-M'57), Project Engr., Litton Industries, 4900 Calvert Rd., College Park, Md.

- KARLAN, JAC H. (A'53), Partner, Karlan & Associates, Box 93, Riverdale 63, N. Y KARLIN, JOHN E. (M'56), Head, Human Factors Engrg., Bell Tel. Labs., Murray Hill, N. J. KARLSON, AUGUST T. (A'44-M'48), Project Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago, III, KARLSON, ESKIL L. (M'50), Nuclear Projects Supvr., Instrument & Control, American Machine & Foundry Co., Greenwich, Conn.
- KARLSRUHER, GERALD W. (M'56), Supvr., Tech. Services, Sylvania Elec. Prods., Inc., 208-20 Willets Point Blvd., Bayside 60, L.I., N.Y.
- KARLSTEDT, LENNART (A'38), Sect. Leader, System Planning, Telefonaktiebolaget, L. M. Ericsson, Stockholm 32, Sweden.
- KARMAZIN, WILLIAM R. (S'58-M'59), Electronics Engr., Ryan Aeronautical Co., Lindbergh Field, San Diego 12, Calif.
- KARMEN, ALEXANDER (M'58), 4635 31 Ave., N., St.
- KARMEN, ALEXANDER (M'58), 4635 31 Ave., N., St. Petersburg, Fla.

 KARMIN, IRVING (M'58), Elec. Engr., Instrumentation Devices, 314 E. 9 St., New York 3, N. Y.

 KARMIOL, EDWIN D. (S'48-A'49-M'55), Mgr., Reliability Programs, Missile & Space Vehicle Dept., GE Co., 3198 Chestrut St., Philadelphia 4, Pa.

 KARN, EDWARD W. (S'52-A'54-M'59), Supvr., Internati. Electric Corp., Rt. 17 & Garden State Pkwy., Paramus, N. J.

 KARNATH, NORBERT A. (M'58), Sr. Engr., Sperry-Rand Corp., Clearwater, Fla.

 KARNAUGH, MAURICE (M'57), Engr.-in-Cho., Dialtal

- Corp., Clearwater, Fla.

 KARNAUGH, MAURICE (M'57), Engr.-in-Chg., Digital Techniques Research, Bell Tel. Labs., Murray Hill, N. J.

 KARNS, KERMIT 8. (A'49-M'53), Supvy. Electronics Engr., FAA, 4825 Troost St., Kansas City 10, Miss.

 KARNS, LEO W. (M'55), Chief Engr., Key Broadcasting Corp., 879 Park Ave., Ballimore 1, Md.

 KARNS, MELVIN E. (A'35-SM'51), Dir., License Dept., RCA, Internati. Div., 30 Rockefeller Plaza, New York 20, N. Y.

- N. Y.

 KARODIA, A. M. (A'52), Radio & Electronics Engr.,
 Box 173, Stanger, Natal, South Africa.

 KAROSAS, RIMVYDAS (S'57-M'58), Design Engr., James
 Millen Co. 150 Exchange St., Malden, Mass.

 KARP, ARTHUR (S'47-A'48-M'53-SM'56), Engrg., Lab.,
 Univ. of Cambridge, Trumpington St., Cambridge,
 England.
- KARP, ARTHUR (S'47-A'48-M'53-SM'56), Engrg. Lab., Univ. of Cambridge, Trumpington St., Cambridge, England.

- England.

 KARP, ARTHUR L. (A'54-M'59), Operations Analyst,
 Operations Evaluation Group, Navy Dept., Washington 25,
 D. C.

 KARP, JESSE R. (A'52-SM'56), Systems Mgr., W. L.
 Maxson Corp., 460 W. 34 St., New York 1, N. Y.
 KARP, MARTIN A. (SM'59), Asst. Project Supvr., Applied
 Physics Lab., The John Hopkins Univ., Silver Spring, Md.
 KARP, PAUL (S'62-M'53), Pjedet Engr., Remiler Co.,
 Ltd., 2101 Bryant St., San Francisco 10, Calif.
 KARPA, PAUL (S'52-A'53), Field Engr., Bendix Radio,
 Baltimore 9, Md.
 KARPEN, EDWARD W. (S'47-A'51-M'58), Sect. Head.

- Baltimore 9, Md.

 KARPEN, EDWARD W. (S'47-A'51-M'58), Sect. Head,
 Airbome Instrument Lab., Inc., Mineola, L.I., N.Y.

 KARPEN, RICHARD L. (A'53-M'59), Dept. Mgr., Remington
 Rand Univac, 2750 W, 7 St., St., Paul 16, Minn.

 KARPINSKI, ALEXANDER L. (M'58), Engr., Chesapeake &
 Potomac Telephone Co. of Maryland, 320 St. Paul Pl.,
 Baltimore 2, Md.

 KARPINSKI, ELICEBER M. (A'50-M)
- Baltimore 2, Md.

 KARPINSKI, EUGENE W. (A'59), Lab. Technician, Inland
 Testing Labs., 6401 W. Oakton, Morton Grove, Iff.

 KARPISEK, WILLIAM J. (M'55), Transmitter Supwr., KCRA
 TV, 310 10 St., Sacramento, Calif.

 KARPLUS, EDUARD (A'31-F'38), Dev. & Design Engr.,
 Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 KARPLUS, WALTER J. (M'56), Asst. Prof., Univ. of
 California, Los Angeles, Calif.

 KARR, CHARLES H. (S'56-M'58), Engr., RCA,
 Moorestown, N. J.

 KARR, CHARLES H. (S'56-M'56), Physicist. The

- Moorestown, N. J.

 KARR, PHILIP R. (A'43-M'55-SM'56), Physicist, The
 Ramo-Wooldridge Corp., Los Angeles, Calif.

 KARR, RALPH J. (A'51), Dev. Engr., E. H. Sargent Co.,
 4647 W. Foster, Chicago, III.

 KARRES, GEORGE E. (M'58), Sr. Engr., Cook Research
 Labs., Morton Grove, III.

 KARRON, GEORGE A. (M'54), Sales Engr., Bendix
 Aviation Gorp., 205 E. 42 St., New York 17, N. Y.

 KARSH, HERBERT (A'50-M'55), Mør., Engro, Datatape
 DIv., Consolidated Electrodynamics Corp., 300 N. Sierra
 Madre Villa, Pasadena, Calif.

 KARSON, ALLAN (M'57), 1345 E. 4 St., Ropoklym 30.
- KARSON, ALLAN (M'57), 1345 E. 4 St., Brooklyn 30,

- Madre VIIIa, Pasadena, LaIII.
 KARSON, ALLAN (M'57), 1345 E. 4 St., Brooklym 30, N.Y.
 KARSTAD, KAARE (SM'54), Research Engr., RCA Labs., Princeton, N.J.
 KARSTEN, JOHN A. (M'57), Electronics Engr., Electro-Data Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Cailí.
 KARSTEN, JOHN P. (S'54-A'55), Project Engr., Maico Electronics, Inc., 123 N. 3rd St., Minneapolis 1, Minn. KARSTETTER, WANNE H. (S'57-M'59), Cant., USAF, Air Research & Dev. Command Engrg. Liaison Office, Tinker AFB, Okla.
 KARSTEHNER, KENNETH A. (S'50-A'5'-M'56), Elec. Engr., Hill AFB, Ogden, Utah.
 KARTHAN, DOUGLAS J. (A'51-M'57), Research Engr., Seismograph Service Corp., Box 1590, Tulsa, Okla.
 KARVEL, CHARLES T. (A'52), Genl. Mgr., McKenna Tech. Books, 882 Lexington Ave., New York 21, N.Y.
 KARWAN, HENRY P. (S'56-M'58), Engr., Research, No. Amer. Aviation, Internatl. Airport, Los Angeles 45, Cailí. KARWAS, FEDERICK C. (M'57), Systems Maint. Mingt. Engr., Chrysler Corp., 16 Mountain Rd. & Vandyke, Warren, Mich.
 KARZ, ALBERT R. (M'58), Supvr., Control Instrument Co., Inc., 67 35 St., Brooklyn, N.Y.
 KASAI, GEORGE S. (S'49-A'49-M'55), Mem. Tech. Staff, Rame-Wooldridge Corp., Los Angeles, Cailí. KASCHA, GUNTHER E. (S'50-A'53-M'58), Dev. Engr., Convair, San Diego 1, Cailír, KASCHA, GUNTHER E. (S'50-A'53-M'58), Dev. Engr., GE Advanced Electronics Center, Ithaca, N.Y.
 KASDORF, GEORGE S. (A'47-M'55), TV Engr., Milwaukee Journal Co., 720 E. Capitol Dr., Milwaukee 1, Wisc.

- KASEMAN, PAUL W. (S'49-A'52-M'58), Tube Design Engr., RCA, Laucaster, Pa.

 KASERMAN, FRANK S. (A'31-VA'39-M'55), Chief Tech. Subsect., Electronics Engrg. Sect., 5 Coast Guard Distr., Home: 111 Carlisle Way, Norfolk, Va.

 KASH, RICHARD M. (S'50-A'59), Mem. Tech. Staff, Genl. Telephone Labs., Inc., Box 17, Northlake, III.

 KASHAR, ARNOLD S. (A'54-M'88), Group Leader, Operational Ground Support Equipment, Kearfott Co., Inc., 1500 Main Ave., Clifton, N. J.

 KASHKIN, RONALD (M'58), Design & Dev. Engr., Hazeltine Electronics Div., Little Neck, L. I., N'Y.

 KASHKIN, RONALD (M'58), Super., Fire Control, Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 37, Pa.

 KASHORK, EDWARD F. (M'58), Prod. Dev. Engr., RCA,

- Liectronics Div., Little Neck, L. 1., N.Y.

 KASHMAR, ELGENE J. (M'57), Supvr., Fire Control, Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 37, Pa.

 KASHORK, EDWARD F. (M'58), Prod. Dev. Engr., RCA, Harrison, N. J.

 KASHTAN, SAMUEL (A'54), Sr. Engr., Philaco Corp., C. & Tioga Sis., Philadelphia 34, Pa.

 KASINOFF, HARVEY A. (S'56-M'58), 2nd Lt., U. S. Army 23rd Engrs. Co. (FM), APO 122, New York, N. Y.

 KASKEY, GILBERT (SM'56), Dept. Mgr., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia 29, Pa.

 KASMAR, RUSSELL A. (S'45-A'46-M'52), Project Engr., RCA, Moorestown, N. J.

 KASNER, EDWARD (A'51-M'57), Project Engr., Stavid Engr., Inc., State Hwy. 22, Plainfield, N. J.

 KASNER, RVINGI. (S'57-A'57), Collins Radio Co. of Canada, Ltd., 11 Bermondsey Rd., Toronto 16, Ont., Canada, Ltd., 11 Bermondsey Rd., Toronto 16, Ont., Canada, Ltd., 11 Bermondsey Rd., Toronto 16, Ont., Canada, Ltd., 11 R. (M'58), Sr. Electronics Technician USN, Naval Training Center, Great Lakes, Ill.

 KASOWSKI, STANLEY E. (S'49-A'52-M'57), Design Specialist, Martin Co., Orlando, Fla.

 KASPAR, ERIC J. JR. (M'58), Sr. Electronics Engr., Ryan Electronics, San Diego, Calif.

 KASPAR, ERIC J. JR. (M'58), Sr. Electronics Engr., Cgnl. Electronic Labs., Inc., 18 Ames St., Cambridge 42, Mass.

 KASPER, DAVID P. (A'57), Project Engr., Kellogo Switchbord & Supply Co., Codo 3065, China Lake, Calif.

 KASPER, FRANK S. (M'57), Project Engr., Kellogo Switchbord & Supply Co., 6000 W. 51 St., Chicago, Ill.

 KASPER, JOHN P., JR. (S'55-M'57), Engr. 111, New England Telephone & Telegraph Co., 470 Atlantic Ave., Boston, Mass.

 KASPIN, SOLOMON (M'57), Instr., Electronics & Elec.

 Engr., East Los Angeles Junior College, 5357 E. Brook-

- land Telephone & Telegraph Co., 470 Atlantic Ave., Boston, Mass.

 KA, PIN, SOLOMON (M'57), Instr., Electronics & Elec. Engrg., East Los Angeles Junior College, 5357 E. Brooklyn Ave., Los Angeles 22, Calif.

 KASPRZAK, THOMAS L. (S'55-M'58), Jr. Engr., AC Spark Plug Div., GMC, 1925 E. Kenilworth PI., Milwaukee, Wis.

 KASS, ELGENE J. (S'52-A'52-M'57), Project Engr., Kearfott Co., Clifton, N. J.

 KASS, JORDAN S. (S'50-A'52-M'57), Project Engr., Polarad Electronics, Inc., 43-20 34 St., Long Island City, N. Y.

 KASS, SHOLOM (A'41-M'46), Chief Electronics Engr., Fischer & Porter, Hatboro, Pa.

 KASSAN, JORDAN D. (S'55-M'57), Engr., Prod. Dev. Lab., IBM, Poughkeepsie, N. Y.

 KASSEL, AARON (S'49-A'52), Sr. Project Engr., Computer Instruments Corp., '22 Madison Ave., Hempstead, L. I., N. Y.

 KASSER, HERMAN N. (A'56). Tech. Weizer, Bandis Berdin

- N. Y.

 KASSER, HERMAN N. (A'56), Tech. Writer, Bendix Radio
 Div., Greenspring & Smith Aves., Baltimore 9, Md.

 KASSING, GLENN M. (S'52-A'54-M'59), Electronics Engr.,
 CAA, 5651 W. Manchester, Los Angeles 45, Calif.

 KASSLER, RAYMONO (A'51-M'58), Mathematician, The
 Data Processing Co., Box 185, Hamilton Grange Sta.,
 New York 31, N. Y.

 KASSNER, JOHN (A'56), Engrg. Technologist, Canadian
 Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont.,
 Canada.

- Canada.

 KASSNER, MAX H. (A'48-M'55), Sr. Engr., Canadlan Marconi Co., Montreal, P.Q., Canada.

 KASTEN, C. L. (M'57), Research Engr., No. Amer. Aviation, Downey, Callf.

 KASTEN, JOHN W. (M'52), Sr. Test Engr., Hughes Aircraft Co., Box 5555, Tucson, Ariz.

 KASVAND, TONIS (A'55), 90 Fresh Pond Pkwy., Cambridge, Mass.

 KASWEN, MORRIS (S'48-A'50-M'58), Chief of Guidance & Controls, Solar Aircraft Co., 2200 Pacific Hwy., San Diego 9, Calif.
- KASZERMAN, PHILIP (M'58), Staff Engr., Tech. Research Group, Inc., Syosset, L.I., N.Y. KASZYNSKI, ALBERT Z. (M'59), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.
- KATAHARA, SAOAMI (A 49-M'55), Engr.-in-Chg., WWVH, Matl. Bureau of Standards, Box 901, Puunene, Maul, Hawaii.
- KATAIVA, FRANK (M'58), Engr., RCA Service Co., Patrick AF8, Fla.

- KATAIVA, FRANK (M'58), Engr., RCA Service Co., Patrick AF8, Fla.

 KATAYAMA, AISUKE (M'58), Asst. Prof., Faculty of Mine Akita Univ., Tegata, Akita, Japan.

 KATAYAMA, TERRY T. (S'49-A'51), Research Engr., Boeing Airplane Co., Seattle 14, Wash.

 KATCHKY, MAX (A'47-M'55), Dev. Engr., Canadian Arsenals, Ltd., Warden Ave., Scarborough, Ont., Canada.

 KATELANSKY, PERRY (M'57), Sr. Recelver Engr., Electronic Communications, Inc., 1502 72 St., N., St. Petersburg, Fla.

 KATELLAY, JULIAN, JR., (S'54-M'58), Elec. Engr., Computer Lab., Michigan State Univ., East Lansing, Mich.

 KATELL, EMANUEL (M'57), Sr., Oev. Engr., Reeves Instrument Corp., Roosevelt Field, Garden City, L.i., N.Y.

 KATELLA, ALBERT J. (A'50-M'58), Sr. Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

 KATES, ROLF (S'54-M'56), Sr. Engr., Rayteon Mfg.

 Co., Waitham 64, Mass.

 KATHER, E. NEVIN (M'47), Raytheon Mfg. Co., Waitham, Mass.

 KATHRINUS, NORMAN W. (A'48), Owner, Norman W. Kathrinus & Co., 4356 Duncan Ave., Sr. Louis 10 Mo.

- Mass. KATHRINUS, NORMAN W. (A'48), Owner, Norman W. Kathrinus & Co., 4356 Duncan Ave., St. Louis 10, Mo.

- KATINOS, LUTHER J. (A'54), Electronics Engr., Instru-mentation, Naval Air Material Center, Naval Base, Phila-delphia 12, Pa. KATIS, CHARLES W. (S'55-A'57), Engr., Martin Co., Orlando, Fla.

- Orlando, Fla.

 KATO, MAKOTO M. (M'57), Component Engr., Nortronics
 DIV., Northrop Alroraft, Inc., Hawthome, Callf.

 KATO, PAUL S., JR. (S'54-A'55), Mem. Tech. Staff,
 Hughes All Srarts Co., Culver City, Callf.

 KATO, ROBERT S. (A'50), Broadcast Engr., Aloha Broadcasting Co., Ltd., Box 1380, Honolulu, Hawaii.

 KATRE, VASUDEV S. (A'48), Asst. Communications Supt.,
 Alr-India Internati. Corp., Santa Cruz (East), Bombay 29,
 India.

- India.

 KATSAOYNIS, PERIKLIS C. (A'55), Field Engr., Hycon-Page, Box 666, Tripoli, Libya.

 KATT, DONALD R. (M'57), Sr. Scientist, Lockheed Missile Systems, Palo Alto, Calif.

 KATTAWAR, ADAM (M'57), Service Mgr., Gilbert X-Ray Co. of Texas, 624 Hall St., Dallas, Tex.

 KATTER, ORLANDO E., JR. (S'53-M'56), Electronics Engr., Counter-Countermeasures, ORDDW-GMTC, Redstone Arsenal, Ala.
- Ala.

 KATTUAH, ISA E. (A'55), Owner, Mgr., New Center Electronics, 8332 Woodward, Detroit 2, Mich.; 2219 S. Telegraph Rd., Pontiac, Mich.

 KATZ, ABRAHAM (5'1-A'52-M'56), Mem. Tech. Staff RCA Advanced Military Systems, Princeton, N.J.

- RCA Advanced Military Systems, Princeton, N.J.

 KATZ, ALLEN S. (S'55-M'58), Elec. Engr., RCA,
 Camden, N.J.

 KATZ, RATHUR J. (S'48-A'50-M'56-SM'58), Sr. Engr.,
 ITT Labs., Nutley 1.O, N.J.

 KATZ, EUGENE H. (S'56-M'57), Jr. Engr., Melpar, Inc.,
 3000 Arlington Blvd., Falls Church, Va.

 KATZ, EUGENE S. (S'46-A'50-M'55), Dev. Engr.,
 Defense Prods., Div., RCA, Camden 2, N.J.

 KATZ, GEORGE M. (M'53), Research Assoc., College of
 Physicians & Surgeons, Columbia Univ., 630 W. 168 St.,
 New York, N.Y.

 KATZ, HAROLD (S'58-M'59). Task Emilmont Force.
- NAIL, HARULD (S'58-M'59), Test Equipment Engr., G Co., Utlca, N.Y. KATZ, HAROLD W. (M'55), Engr., GE Co., Syracuse, N.Y. KATZ, HAROLD (S'58-M'59), Test Equipment Engr., GE Co., Utica, N.Y.
- KATZ, IRWIN N. (S'56-M'58), Design Engr., Airborne instrument Lab., 1191 Stewart Ave., Garden City, L.I.,
- Instrument Lab., 1191 Stewart Ave., Garden City, L.I., N.Y.

 KATZ, ISADORE (SM'56), Physicist, Applied Physics Lab., The John Hopkins Univ., Silver Spring, Md.

 KATZ, JACK (A'55), Electronic & TV Serviceman, Queens Abington Service Corp., 89-48 Metropolitan Ave., Forest Hills, L.I., N.Y.

- Inter John Hopkins Univ., Silver Spring, Md.
 KATZ, JACK (A'55), Electronic & TV Serviceman, Queens Abington Service Corp., 89-48 Metropolitan Ave., Forest Hills, L. I., N.Y.
 KATZ, JOSEPH (A'59), Electronic Technician, Federal Electric Corp., Paramus, N.J.
 KATZ, JOSEPH E. (M'57), Electronic Sengr., Univ. of California Radiation Lab., Livermore, Calif.
 KATZ, LARRY W. (S'58-M'59), 933 Magenta St., Bronx 69, N.Y.
 KATZ, LEE (S'57-M'58), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 KATZ, LEE (S'57-M'58), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 KATZ, LEO (S'51-A'52-M'57), Dir., Medical Physics Lab., Institut de Cardiologie, 5415 Boulevard de L'Assomption, Montreal, P.Q., Canada.
 KATZ, LEONHARD (M'44-SM'50), Pres., Woburm Engrg. Co., 19 Ward St., Woburm, Mass.
 KATZ, LOUIS (S'48-A'50-M'55), Project Engr., Interstate Electronics Corp., 707 E. Vermont, Anahelm, Calif. KATZ, LOUIS (S'48-A'50-M'55), Research Group Leader, Melpar, Inc., 43 Leon St., Roxbury, Boston, Mass. KAZ, MANES (A'56), Radio Maint., USAF, 734 AC&W Sqdn., APO 118, New York, N.Y.
 KATZ, MARTIN (A'58), Mer., Quality Control, Blonder-Tongue Labs., 9 Alling St., Newark 2, N.J.
 KATZ, MARTIN (A'58), Mer., Quality Control, Blonder-Tongue Labs., 9 Alling St., Newark 2, N.J.
 KATZ, MORDECAI D. (S'49-M'57), Sr. Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.
 KATZ, ROBERT E. (SM'58), Project Engr., Research & Dev. Debr., Bendix Radio Olv., Towson 4, Md.
 KATZ, ROBERT E. (SM'58), Project Engr., Richard D. Brew & Co., Inc., 90 Alroort Rd., Concord, N.H.
 KATZ, SAMUEL (S'48-A'50-M'55-SM'58), Project Engr., Alroham Pa.
 KATZ, SHELDON H. (S'47-A'50-SM'57), Sr. Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.
 KATZ, STANLEY (M'58), Assoc., Engr., Techning Co., 30 Rockefeller Plaza, New York, N.Y.
 KATZ, SIDNEY (A'47-M'55), Instr., Ft. Monmouth, N.J.
 KATZ, SIDNEY (A'47-M'55), Instr., Ft. Monmouth, N.J.
 KATZ, SIDNEY (A'47-M'58), Sr. Electronics Engr., Alroham enstrument Lab., Minecola, L.I., N.Y.
 KATZ, SIDNEY (A'47-M'58), Sr. Electronics En

- 471U, Halfa, Israel.

 KATZENSTRIN, JACK (M'56), Assoc. Prof., Physics,
 Univ. of New Mexico, 1729 Lomas Blvd., N.E.,
 Albuquerque, N.M.

 KATZIN, MARTIN (J'27-A'29-M'42-SM'43-F'55), Pres.,
 Electromagnetic Research Corp., 711 14 St., N.W.,
 Washington 5, D.C.
- KATZMAN, HERMAN J. (S'52-A'53-M'58), Oesign Spe-cialist, Ejectronic Specialty Co., 5121 San Fernando Rd., Los Angeles 39, Calif.
- Los Angeles 39, Calif.

 KATZMAN, HOWARD (M¹58), Sr. Scientist, Lockheed Missile Systems Div., Sunnyvale, Calif.

 KATZMANN, FRED L. (S¹52-A¹53-M¹58), Tech. Specialist, Project Mgr. for High Frequency Instruments, Allein B. OulMont Labs., 760 Bloomfield Ave., Clifton, N.J.

 KAUOERS, ERICK (A¹52), Pres., Craig Systems, Inc., 360 Merrimack St., Lawrence, Mass.

- KAUDERS, RANDLE M. (S'43-A'51-M'54), Sr. Engr., Vector Mfg. Co., Keystone Rd., Southampton, Pa.
 KAUFFMAN, CARSON W. (A'41-M'55), Radio Engr., Paul
 Godley Co., Box J., Upper Montclair, N.J.

- Loaley Co., Box J, Upper Montclair, N.J.

 KAUFFMAN, HAROLD C. (M'45), Owner, Kauffman Electronics Co., 5889 Cherrywood Dr., Lorain, Ohio.

 KAUFFMANN, JOHN A. (S'51-A'53), Staff Engr., IBM, Poughkeepise, N.Y.

 KAUFFMANN, ROBERT A. (M'56), Electronics Scientist, Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 37, Pa.
- 37, Pa.
 KAUFMAN, ALAN S. (S'55-M'57), Engr., ITT Labs., Nuttey 10, N.J.
 KAUFMAN, ALVIN B. (M'50), Research Engr., Litton Inddustries, Inc., 2205 Stoner Ave., Los Angeles 64, Calif.
 KAUFMAN, ARNOLD R. (A'54), Pres., Utrad Corp., 305 N.
 Briant St., Hurkington, Ind.
 KAUFMAN, ARTHUR W. (J'27-A'30-VA'39-M'57), Engr.,
 Pacific Telephone & Telegraph Co., ITT Post St., San
 Francisco 8, Calif.
 KAUFMAN, BRIUCE A. (S'50-A'52-AUST) S. Becamb

- Francisco 8, Calif.

 KAUFMAN, BRUCE A. (S'50-A'52-M'57), Sr. Research
 Engr., Natl. Cash Register Co., 1401 E. El Segundo
 Blvd., Hawthome, Calif.

 KAUFMAN, DAVID (S'49-A'50-M'55), Principal Missiles
 System Engr., Republic Aviation, Mimeola, L.I., N.Y.

 KAUFMAN, DAVID L. (S'54-M'58), Digital Systems Engr.,
 Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge,
 Mass.

- RAUF MAN, DAVID L. (S'54-M'58), Digital Systems Engr., Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge, Mass.

 KAUF MAN, ERNEST J. (S'53-A'54), Electronics Engr., RCA, Camden, N.J.

 KAUF MAN, FREDERICK H. (S'51-A'52-M'56), Project Engr., Space Technology Labs., Inc., 5730 Arbor Vitae, Los Angeles 45, Calif.

 KAUF MAN, G. L'NHTON (S'53-A'54), Sales Engr., RCA internati., Inc., 30 Rockefeller Plaza, New York, N.Y.

 KAUF MAN, HERBERT B. (S'48-A'51-M'56), Assoc. Engr., 18M, Kingston, N.Y.

 KAUF MAN, HYMAN (S'48-A'50-M'55), Assoc. Prof., Dept. of Mathematics, McGill Univ., Montreal, P.Q., Canada, KAUF MAN, IRVING (S'45-A'47-M'54), Mem., Tech., Staff, The Ramo-Wooldridge Corp., 550 W. El Segundo Blvd., Los Angeles, Calif.

 KAUF MAN, JRVING (S'45-A'47-M'54), Project Mgr., Airborne Instruments Lab., Mineola, L.I., N.Y.

 KAUF MAN, JACK (A'40-SM'44), Sales Engr., 126 25 Ave., San Mateo, Calif.

 KAUF MAN, JOSEPH (M'30-SM'43), Chief, Research & Dev. Div., Research Branch, Pentagon, Washington 25, D.C.

 KAUF MAN, LAWRENCE (S'51-A'55-M'56), Research Assoc., Willow Run Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, LESTER (S'49-A'55-M'56), Pesearch Assoc., Willow Run Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, LAWRENCE (S'51-A'55-M'56), Research Assoc., Willow Run Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, LAWRENCE (S'51-A'55-M'56), Research Assoc., Willow Run Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, LAWRENCE (S'51-A'55-M'56), Research Assoc., Willow Run Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, LAWRENCE (S'51-A'55-M'56), Research Assoc., Willow Run Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, LAWRENCE (S'51-A'55-M'56), Research Assoc., Willow Run Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF MAN, Labs., Univ. of Michigan. Ann Arbor. Mich.

 KAUF M

- KAUF MAN, SIDNEY (M¹46-SM¹54), Head, Geophysical Instrumentation Dept., Shell Development Co., Box 481, Houston 1, Tex.
- Houston 1, Tex.

 KAUFMAN, WILLIAM M. (S'53-A'54), Research Engr.,
 Westinghouse Elec. Corp., Research Lab., Churchill
 Borough, Pa.

 KAUFMANN, OONALD C. (A'55-M'56), Engr., RCA, Camden, N.J.

- den, N.J.

 KAUFMANN, HENRY W. (A'44-M'55), Patent Agent, Burroughs
 Corp., Paoli, Pa.

 KAUFMANN, HOWARD L. (S'55-M'57), Design Engr., Natl.
 Aeronautical Corp., Commerce Dr., Ft. Washington Independence
 Park, Pa.
- Park, Pa.

 KAUFMANN, JOHN (A¹54-M¹59), Genl. Engr., Research & Dev. Lab., Link Aviation, Inc., 530 University Ave. Palo Alto, Calif.

 KAUFMANN, PETER (A¹56-M¹57), Tech. Mgr., Transistor A.G., Fluelastr 17, Zurich g²48, Switzerland.

 KAUFMANN, RICHARD H. (A¹55), Sr. Application Engr., GE Co., Schenectady, N.Y.

 KAUFMANN, WILLIAM (A¹52-M¹58-SM¹59), Chief Engr., Telechrome Mfg. Corp., 28 Ranick Dr., Amityville, L.I., N.Y.

- N.Y.
 KAUKE, JOHN R. (S'41-A'44-SM'57), Pres., Kauke & Co.,
 1632 Euclid St., Santa Monica, Calif.
 KAUPER, LLOYD T. (S'48-A'52-M'57), Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 KAUPP, DONALD R. (S'56-M'58), Teacher, Training Electronic Technicians, Saunders Electronic School, Boston,
 Mass.

- Mass.

 KAUSHAGEN, W. MAURICE (A'45-5M'53), Head, Electronics Dept., Physics Dlv., Cornell Aeronautical Lab., Inc., Box 235, Sulfalo 21, N.Y.

 KAUTZ, WILLIAM H. (S'46-A'52-M'57), Sr. Research Engr., Stanford Research Institute, Menlo Park, Callf.

 KAILZMANN, ALBERT P. (SM'55), Advance Dev. Engr., Receiving Tubes, RCA, Harrison, N.J.

 KAVADAS, ALEXANOER D. (S'54-M'57), Research, Univ. of Saskatchewan, Physics Dept., Saskaton, Sask., Canada. KAVANAUGH, EDMUND V. (M'58), Dir., Systems Engrg. Div., Filtron Co., Inc., 10023 W. Jefferson Blvd., Cul ver City, Calif.

 KAVANAUGH, JUNC C. (S'48-A'50-M'55-M'58), Engrg. Group Supyr., Philoc Corp., 3875 Fabian Way, Palo Alto, Calif.

- Calif.

 KAVANAUGH, RICHARD J. (A'55-M'58), Project Engr., A. W. Haydon Co., Div., Consolidated Electronics Corp., 230 N. Elm St., Waterbury, Conn.

 KAWAFUCHI, PAUL M. (S'55-M'56), Electronics Engr., Ralph M. Parsons Co., 151 S. OeLacy, Pasadena, Calif.

 KAWAHARA, MITSUO (M'57), Sr. Oesign Dev. Engr., Natl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthorne, Oalif.
- Calif.

 KAWAHATA, BEN I (S'55-M'56), Research Engr., No. Amer. Aviation, Autonetics Div., Downey, Calif.

 KAWAI, WILLIAM T. (A'48-M'55), Asst. Chief, Maint. Div., Army Genl. Oepot, Japan, APO 343, San Francisco, Calif.

 KAWALLER, JORDAN (S'50-A'51-M'56), Pres. & Genl. Mgr., American Art Platers, Inc., 74 Grand St., New York, N.Y.

- KAWANA, HARRY Y, (S'53-A'55), Research Engr., No. Amer. Aviation, Los Angeles, Calif.
- Amer, Aviation, Los Angeles, Calif.
 KAWANO, KENCO (S156-M158), Assoc. Research Engr.,
 Jet Propulsion Lab., California Institute of Technology,
 4800 Oak Grove Dr., Pasadena, Calif.
 KAWANO, TAOASU (M156), Prof., Elec. Engrg. Dept.,
 Hiroshima Univ., 3-chome, Senda-machi, Hiroshima,
 Japan

- KAWANO, TADASU (M'56), Prof., Elec. Engrq. Dept., Hiroshima Univ., 3-chome, Senda-machi, Hiroshima, Japan.

 KAWASAKI, YUTAKA (S'57-M'59), 1559, 6 Kamimeguro Meguro, Tokyo, Japan.

 KAY, ALAN F. (M'55), V.P.-in-chg., Massachusetts Branch, TRG. Inc., 9 Union Sq., Somerville 43, Mass.

 KAY, ALAN F. (M'55), Chief Engr., Research Industries, Ltd., 1777 W. 3rd. Ave., Vancouver 9, B.C., Canada.

 KAY, DONALD H. J. (M'55), Chief Engr., Research Industries, Ltd., 1777 W. 3rd. Ave., Vancouver 9, B.C., Canada.

 KAY, E. DILWORTH (S'46-A'49-M'55), Radio Engr., Western Electric Co., 220 Church St., New York 13, N.Y.

 KAY, FRANK T. (S'146-A'48-M'55-SM'59), 176B 41 St., Pennsauken 5, N.J.

 KAY, HAROLD L. (M'57), Lab. Supvr., Power Equipment Co., 315 Hardin Way, E., Galion, Ohio.

 KAY, JAKK R. (A'55), Pres., Kay Sales Co., 2600 Grand Ave., Kansas City 8, Mo.

 KAY, JAMES P. (A'54), Bd. Chmn., Kay Sales Co., 2600 Grand Ave., Kansas City 8, Mo.

 KAY, LAWES P. (A'54), Bd. Chmn., Kay Sales Co., 2600 Grand Ave., Kansas City 8, Mo.

 KAY, LOPOLD M. (SMI54), Pres., Transdyne Corp., 58-15

 57 Dr., Maspeth 78, L.1., N.Y.

 KAY, MARTIN (S'51-A'53-M'57), Servo Design Group Leader Electro Mech. Lab., American Machine & Foundry Co., 11

 Bruce Pl., Greenwich, Comn.

 KAY, ROBERT H. (A'53-M'58), Project Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9. N.Y.

 KAYE, GEORGE A., SR. (M'57), Mngt. Consultant, George A. Kaye, Sr., 137 Bellevue Ave., Upper Montclair, N.J.

 KAYE, J. BLAMIRES (A'35-VA'39-M'55), Dir. & Genl. Mgr., Painton & Co., Kingsthorpe, Northampton, England.

 KAYE, MICHAEL G. (S'55-M'57), Research Engr., MIT Instrumentation Lab., Cambridge 39, Mass.

 KAYE, MURRAY (A'52-M'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 KAYE, ROBERT (S'58-A'59), Tech. Coordinator, Electronics Div., Curtiss-Mright Corp., 631 Central Ave., Carlstadt, N.J.

- KAYE, ROBERT (S'58-A'58), Electronics Technician, GE Co., Syracuse, N.Y. Syracuse, N.Y. KAYLIN, RUBIN R. (M'54), Unit Head, Kearfott Co., Clifton,
- KAYLOR, ROBERT L. (A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. KAYNER, HARRY J. (A'30-SM'45), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Internatl, Airport, Los Angeles 45, Calif.
- Los Angeles 4-5, Jairi.

 KAZAN, BENJAMIN (A'40-SM'55), Head, Display Panel Sect., Hughes Research Labs.. Culver City, Calif.

 KAZAN, IAM, HAROLD A. (A'56), Owner, Genl. Mgr., Peninsula Associates, 1345 Hancock St., Box 148, Redwood City,

- KAZANJAN, HAROLD A. (4/56), Owner, Genl. Mgr., Peninsula Associates, 1345 Hancock St., 8ox 14B, Redwood City, Calif.

 KAZARIAN, DANIEL G. (S'51-A'53-M'58), Mem. Tech. Staff, Space Technology Labs., Box 950D1, Los Angeles 45, Calif.

 KAZARIAN, RUBEN (A'53-M'56), Chief Engr., Avtron Mfg., Inc., 10409 Meech Ave., Cleveland 5., Ohio.

 KAZDA, LOUIS F. (A'45-M'55), Assoc. Prof., Elec. Engrg., Univ. of Michigan, Ann Arbor. Mich.

 KAZEDE, CHARLES R. (A'53-SM'56), Project Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 KAZEL, DINEY (S'54-A'55), Elec. Engr., Amour Research Foundation, 10 West 35 St., Chicago 16, Ill.

 KAZEL, SANTHONY J. (M'59), Design Engr., Convair, Pomana, Calif.

 KAZUK, SANTHONY J. (S'49-A'52, Elec. Engr., Assoc. Allen 8. Du-Mont Labs., Inc., 760 Bloomfield Ave., Clifton, N. J.

 KAZULES, ANTHONY J. (S'49-A'52-M'56), Electronics Engr., Bomac Labs., Inc., Salem St., Beverly, Mass.

 KEACH, BERNARD C. (M'59), Westem Regional Mgr., Dage Television Div., 204 Hindry Ave., Inalewood, Calif.

 KEACHIE, JAMES H. (A'36-VA'39-SM'50), Mgr., Washington Broadcast Office, Broadcast & TV Egulpment Div., RCA, 1625 "K" St., N. W., Washington 6, D.C.

 KEACH, ORBERT B. (8'55-M'96), Lt. Col., U.S. Army, Chief Systems Engrg. Branch, Field Command, Armed Forces Special Weapons Project, Sandia Base, Albuquerque, N. M.

 KEAN, DAVID W. (A'49-SM'55), Sr. Engr., IBM, 99 Notre Dame St., San Joses 10, Calif.

 KEAN, PAUL M., SR. (A'53), Jr. Project Engr., Surface Combustion Corp., 4200 Surface Rd., Columbus, Ohio.

 KEAN, PAUL M., SR. (S'54-M'55), Sr. Engr., Radio Sect., AT&T Co., 195 Broadway, New York, N.Y.

- KEARL, JAMES 8. (S'54-M'58), Engr., Radio Sect., AT&T Co., 195 Broadway, New York, N.Y.
 KEANE, JOHN E. (S'50-A'51), Engr., Radio Sect., AT&T Co., 195 Broadway, New York, N.Y.
 KEANE, JOHN E. (S'50-A'51), Engr., Eastman Kodak Co., Kodak Park Works, Rochester 4, N.Y.
 KEANE, LEO M. (M'57), Elec. Engr., Avco, 750 Commonwealth Ave., Boston, Mass.
 KEAR, FRANK G. (A'24-M'31-SM'43-F'53), Consulting Engr., Partner, Kear & Kennedy, 1302 18 St., N.W.,
 Washington 6, D.C. (S'56-M'58), Electronics Engr., FAA, Oklahoma City, Okla.
 KEARL, J., ALTEN (S'48-A'50), Group Leader, Systems Group, United Control Corp., 454D Union Bay Pl., Seattle 5, Wash.
 KEARLEY, RICHARD I., JR. (S'48-A'51-M'57), Sr. Engr.,

- KEARNEY, LOUIS E. (A'41-M'55), Communications Engr., Association of American Railroads, 59 E. Van Buren St., Chicago 5, III.

 KEARNEY, ROBERT J. (S'55-M'57), Design Engr., Radiation, Inc., Box 37, Melbourne, Fla.

 KERNEY, ROBERT W. (S'46-A'47-M'55), Cmdr., Head, Fize Procurement & Engrg. Sect., Material Div., Bureau of Ordnance, Washington, D.C.

 KEARNS, JOHN H., III. (A'52-M'58), Asst. Chief, Design Engra. Branch, WCLCD, Wright Air Development Center, Wright-Patterson AFB, Ohio.

 KEARNS, RAYMOND J. (S'57-M'59), Electronics Research Engr., Lockheed Missile & Space Div., Surnyvale, Calif. KEARNS, ROBERT F. (S'56-M'59), Elec. Engr., Sylvania
- ENDI*, LOCKNEED MISSIE & SPACE DIV., JURNIYVAIE, CAIII.
 KEARNS, ROBERT F. (S'56-M'59), Elec. Engr., Sylvanla
 Elec. Prods., Inc., Waltham 54, Mass.
 KEARNS, THOMAS M. (M'59), Electronics Engr., Anderson
 Nichols & Co., 15D Causeway St., Boston, Mass.
 KEARNS, WALTER J. (M'58), Fleld Engr., Airborne Instruments Lab., 160 Old Country Rd., Mineola, L.I., N.Y.
- KEARNS, WILLIAM P. (A'53-M'58), Chief Dev. Engr., Radio Receptor Co., Inc., 24D Wythe Ave., Brooklyn 11, N.Y.
- KEARNY, DONALD H. (S'48-A'50-M'55), Project Co-ordinator, New York Univ. Institute of Mathematical Sci-ences, AEC Computing Facility, 25 Waverly PI., New York
- 3, N. Y.

 KEARSE, GEORGE P. (M'47-SM'52), Sr. Engr., Electronics, Radiation Lab., Temco Aircraft Corp., Garland, Tex.

- Tex.

 KEARSLEY, WAYNE A. (S'58-M'59), Elec. Engr., Edgerton Germeshausen & Grier, Inc., 170 Brookline Ave.,
 Boston 15, Mass.

 KEARY, HUGH F. (A'46-M'55), Electronics Engr., FAA,
 Washington 25, D.C.

 KEASLER, EDWIN S., JR. (S'56-M'59), USS Nicholas
 (DDE-449), FPO, San Francisco, Calif.

 KEAST, DAVID N. (M'58), Acoustical Engr., Bolt, Beranek
 & Newman, Inc., 50 Moulton St., Cambridge, Mass.

 KEAST, DONALD E. (S'5D-A'51), Electronics Specialist,
 Inspector of Naval Material, 783 N. Water St., Milwaukee
 2, Wis.
- IISpector or Navar Material, 763 N. Water St., Milwaukee 2, Wis.

 KEAST, PHILIP M. (M'54), Supvr., Electronic Standards Lab., U. S. Naval Air Sta., O & R Dept., Norfolk, Va. KEAT, JAMES E. (M'59), Aeronautical Design Engr., Fairchild Aircraft & Missiles, Hagerstown, Md. KEATING, DONALD A. (S'57-M'59), Mech. Engr., 177D8 Delaware Ave., Lakewood 7, Ohio.

 KEATING, DONALD J. (S'56-M'57), Elec. Engr., Remlington Rand Univac, St. Paul, Minn.

 KEATING, LEONARD M. (A'55), V.P., A. O. Smith Corp., 1538 Commerce Bidg., Houston 2, Tex.

 KEATING, THOMAS, JR. (S'54-M'57), Assoc. Engr., Applied Physics Lab., John Hopkins Univ., Sliver Spring, Md.

- Md.

 KEATING, THOMAS J. (S'56-M'57), Electronics Engr.,
 Martin Co., Orlando, Fla.

 KEATS, GEORGE H. (S'54-M'57), Perkin-Elmer Corp.,
 Vernistat Div., Emerald St., Norwalk, Conn.

 KEAY, DAVID M. (A'53-M'59), Engr., Sylvania Elec.
 Prods., Inc., Woburn, Mass.

 KEAY, FREDERICK W. (S'51-A'53-M'57), Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa.

 KEBRY, MAURICE H. (S'46-A'48-M'55), Chief Dev. Engr.,
 Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos,
 Calif.

 KECK IIMMIE E. (S'58-A'50). Electronics Tarbalaire.

- Calif.

 KECK, JIMMIE F. (S'58-A'59), Electronics Technician, Convair, Ft. Worth, Tex.

 KECK, LEON J. (S'55-M'56), Elec. Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 KECK, LUDWIG J. (S'54-M'59), Engr., Gilmore Industries, Inc., 13015 Woodland Ave., Cleveland 20, Ohio.

 KECK, MARVIN W. (S'37-A'39-M'47), Asst. Supt., System Operation, Toledo Edison Co., 420 Madison Ave., Toledo 4, Ohio.
- KECK, PAUL H. (M'57), Mgr., Solid State Lab., Sylvania Research Lab., Bayside, L.I., N.Y. KEDER, VIRKO (S'54-M'57), Mem. Tech. Staff, Bell Tef. Labs., Murray Hill, N.J. KEDROWSKY, GEORGE V. (S'58-M'59), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Mon-mouth, N.J.
- KEE, RICHARD C. (M'57), Mem. Tech. Staff, RCA, Box 430, Waltham, Mass. KEEFE, EDWARD M. (S'55-M'58), 38 Mohawk Ave.,

- Derby Conn.

 KEEFE, GEORGE (A'51), Supvy. Electronics Engr., U. S. Naval Shipyard, Brooklyn 1, N.Y.

 KEEFE, JERRY W. (A'50), Asst. Chief Engr., Rock Island Broadcasting Co., Telco Bidg., Rock Island, HI.

 KEEFE, JOHN, JR. (A'49), Pres., Keefe Electronic Sales Co., 228 E. Kings Hwy., Haddonfield, N.J.

 KEEFE, JOHN T. (M'58), Application Engr., Sola Electric Co., 4633 W. 16 St., Cicero, III.

 KEEFER, JOHN T. (M'58), Application Engr., Sola Electric Supvy., Remington Rand Univac, St. Paul 16, Minn.

 KEEFER, THOMAS A. (A'54), Electronics Engr., Army Ballistics Missile Agency, Huntsville, Ala.

 KEEGAN, RAYMOND F. (M'57), Tech. Liaison Engr., Clevite Transistor Prods., 241 Crescent St., Waltham 54, Mass.
- Mass.

 KEEGAN, ROBERT R. (M'59), Assoc. Atty., Darby & Darby,
 405 Lexington Ave., New York, N.Y.

 KEEHN, DANIEL G. (S'55-M'57), Mem. Tech. Staff,
 Hughes Aircraft Co., 185-M'57), Mem. Tech. Staff,
 Hughes Aircraft Co., 185-M'57), Mem. Tech. Staff,
 Hughes Aircraft Co., 185-M'57), Mem. Tech. Staff,
 Hughes Aircraft Co., 185-M'58), Los Angeles 56, Calif.

 KEEL, BEAT G. (M'58), Paul 16, Minn.

 KEELER, OLARENCE E. (SM'58), Engr., RCA, Missile &
 Surface Radar Div., Moorestown, N.J.

 KEELER, OLARENCE E. (SM'58), Engr., RCA, Missile &
 Surface Radar Div., Moorestown, N.J.

 KEELER, JOHN S. (M'58), 72 Margaret Ave., N., Waterloo, Ont., Canada.

 KEELER, ROBERT E. (S'57-M'59). Hers. LI S. Army

- IOO, Unt., Canada.

 KEELER, ROBERT E. (S'57-M'59), Hors., U.S., Army
 Security Agency, Ft. Meade, Md.

 KEELER, ROBERT J. (SM'56), Sect. Head, MinneapolisHoneywell Regulator Co., 13350 U.S. Hwy. 19, St.

 PETELING, CANALIES
- KEELING, CHARLES J. (S'56-M'57), Elec. Engr., Hughes Aircraft Co., Culver City, Calif.

- KEELING, RICHARD W. (M'54), Div. Engr., Seismic In-struments, Southwestern Industrial Electronics Co., Box 13D58, Houston 19, Tex.
- 13058, Houston 19, Tex. KEELY, JDHN F. (A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. KEEN, ALLAN W. (A'36-M'41-SM'43), Mgr., Application & Field Engr., Sylvania Elec. Prods., Inc., Johnston St., Seneca Falls, N.Y.
- KEEN, ARTHUR W. (A'44-M'46-SM'59), Sr. Lecturer, Elec. Engrg. Dept., Coventry Tech. College, The Butts, Coventry, Warwick, England.

- KEEN, HARRY J. (4'47), Project Engr., Lavole Labs., Matawan-Freehold Rd., Morganville, N.J. KEEN, HENRY S. (A'49-M'55), Engr., Airborne Instru-ment Lab., Mineola, L.I., N.Y. KEEN, WILLIAM (A'54), Engrg. Technician III, Canadian Arsenals, Ltd., Box 256, Postal Sta. H., Toronto 13, Ont., Canada.
- Ont., Canada.
 KEENAN, CURTIS H. (A'55), Engr., Sylvania Elec. Prods.
 Inc., Emporium, Pa.
 KEENAN, MICHAEL J. (A'53), Assoc. Staff Mem. Genl.
 Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.
 KEENAN, ORVILLE B. (A'54), Ground Support Engr.,
 Airesearch Mfg. Co., 3236 W. 131 St., Hawthome,
 Calif.

- Airesearch Mfg. Co., 3236 W. 131 St., Hawthome, Calif.

 KEENAN, PETER P. (M'56), Engr., Microwaves, Genl. Engr. Lab., GE Co., Schenectady, N.Y.

 KEENAN, ROBERT J. (S'56-A'59), Audio Engr., WWDC, 8800 Brookville Rd., Silver Spring, Md.

 KEENE, ARTHUR W., JR. (S'49-A'51-M'56), Foreman Bombing Equipment, Boeing Airplane Co., Wichita, Kan.

 KEENE, EDGAR F. (A'54), Field Engr., Philoo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 KEENE, CHARLES E. (A'47-SM'53), Consultant, Air Warfare Research Div., U. S. Naval Air Development Center, Johnsville, Pa.

 KEENER, EVERETT L. (S'48-A'5D-SM'55), Sr. Technologist, United States Steel Corp., Monroeville, Pa.

 KEENER, RONALD F. (S'48-A'50-SM'55), Engrg. & Production Mngt., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 KEENETH, JOHN A. (A'51), Sales-Prod. Application
- Dallas, Tex.

 KEENETH, JOHN A. (A'51), Sales-Prod. Application
 Service, J.A. Keeneth Co., 9 Smith St., Glen Head, N.Y.
 KEENEY, MARTIN G. (S'52-A'53-M'57), Instr., Michigam
 State Univ., Computer Lab., East Lansing, Mich.
 KEENEY, RONALD 8. (S'57-M'59), Technician, SargentRayment Co., 4926 E. 12 St., Oakland 1, Calif.
 KEENON, DELBERT L. (S'56-M'59), 7280 Lewis Dr.,
 Beaumont, Tex.

- Beaumont, Tex.
 KEEP, HARRY A. (A'4B), Owner, Gulf Coast Electronics
 1110 Winbern St., Houston 4, Tex.
 KEEPING, KIMBALL J. (S'4B-A'53-M'57), Staff Mem.,
 Lincoln Lab., Box 73, Lexington 73, Mass.
 KEERAN, ROYAL V. (A'44-SM'54), Sr., Staff Engr.,
 Hughes Aircraft Co., Culver City, Calif.
 KEERY, WILLIAM J. (M'55), Electronics Scientist, Electron Devices Sect., Natl. Bureau of Standards, Washington
 25, O.C.
- 25, D.C. KEES, ALLAN A. (A'41-M'44), Asst. Chief Engr., KPIX, Westinghouse Broadcasting Co., Inc., 2655 Van Ness Ave., San Francisco, Calif. KEES, HARWEY (S'37-A'41-SM'50), Sr. Engr., Motorola Research Lab., 3102 N. 56 St., Phoenix, Ariz. KEETCH, WILLIAM A. (A'52), V. P., Engr., Robinson Aviation, Inc., Teterboro, N. J. KEETH, JAMES K. (S'53-M'56), Engr., Varo Mfg. Co., 2201 Walnut St., Garland, Tex. KEFTN, THOMAS C. (S'54-MI56), Emgr., Varo Mfg. Co., KEFTN, THOMAS C. (S'54-MI56), Emgr., Varo Mfg. Co.,

- 2201 Walnut St., Carland, Tex.
 KEETON, THOMAS G. (S'53-M'56), Engr., Westinghouse
 Elec. Corp., Box 284, Elmira, N.Y.
 KEEVER, DONALD 8. (S'53-M'56), Supvy. Field Engr.,
 Missile Div., Chrysler Corp., Detroit, Mich.
 KEFALAS, GEORGE P. (S'50-A'52-M'57), Project Engr.,
 Melpar, inc., 3000 Arlington Blvd., Falls Church, Va.
 KEGEL, ADAM G. (M'53-SM'54), Supvy. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 KEGEL, ROBERT A. (M'57), Electronics Engr., U. S.
 Army Signal Research & Development Lab., Ft. Monmouth,
 N.J.

- N.J.
 KEHM, CLARENCE H. (M'55), Consulting Engr., 3840
 N. Central Ave., Chicago 34, III
 KEHOE, A. VINCENT (A'57), Electronics Liaison Engr.,
 Martin Co., Orlando, Fla.
 KEHR, JAMES E. (S'54-M'57), Staff Engr., Special
 Engre, Prods. Div., IBM, Poughkeepsie, N.Y.
 KEHRER, HELMUT R. (M'58), Sr. Design Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles
 64, Calif.

- KEICHER, ALBERT J. (S'56-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. KEICHER, RUDOLPH J. F. (S'53-M'56), Elec. Engr., ITT Labs., Belleville, N. J. KEIFER, LOUIS F., JR. (S'50-A'52-M'57), Supwr., No. Amer. Aylation, Missile Test Facility, Box 4007, Patrick AFB, Fla.
- KEIG, MARSHALL W. (A'57), Administrative Asst., Research Dept., Semiconductor Div., Hoffman Electronics Corp., 93D Pitner, Evanston, III.
- KEIGHER, BERNARD J. (A'47-M'55), Chief, Multiplex Dev. Sect., Radio Relay Branch, U. S. Army Signal Engrg. Lab., Ft. Mormouth, N. J. KEIGHER, JOSEPH P. (S'51-A'52-M'57), Cmdr., USN, Bureau of Aeronautics, Navy Dept., Washington 25, D.C. KEIGLER, JOHN E. (S'56-M'58), Research Engr., RCA, Princeton, N. J.

- Princeton, N.J.

 KEIHNER, JAMES K. (S'55-M'56), Lt., USN, Home:
 168 Poplar Ave., Hackensack, N.J.

 KEIL, EDWARD W. (S'50-A'51), Owner, Keil Engrg.

 Prods., 6833 Manchester, St. Louis 10, Mo.

 KEIL, OTTO C., JR. (M'45), Sect. Mgr., Philos Corp.,
 C. & Tloga Sts., Philadelphia 34, P.

 KEILSON, JULIAN (SM'56), Sr. Engrg. Specialist,
 Sylvania Elec. Prods., Inc., Waltham, Mass.

 KEIM, ARMAND (S'54-M'57), Publications Engr., Hazeltine
 Electronics Corp., Little Neck, L.I., N.Y.

- KEIM, DAVID Y. (A'36-VA'39-M'55), Chief Engr., Military Prods., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y. KEIM, FRANK J., JR. (S'49-A'50-M'58), Electronics Engr., Vitro Labs., 200 Pleasant Valley Way, West Orange, N.J.

- Orange, N.J.

 KEIM, JACKSON M. (M'58), Elec. Engr., HMED, GE
 Co., Syracuse, N.Y.

 KEIPER, FRANCIS P., JR. (S'50-A'51-M'56), Project
 Engr., Philco Com., Philadelphia 34, Pa.

 KEIRNAN, FLOYD J. (S'51-A'53-M'57), Sr. Electronics
 Engr., Stromberg-Carlson (D., 1400 N. Goodman, Rochester 9, N.Y.

- ter 9, N. Y.

 KEISER, BERNHARD E. (S'52-A'53-SM'58), Group Leader, RCA Labs., Princeton, N. J.

 KEISER, JOHN A. (A'57), Microwave Engr., Aeronutronics System, Inc., 1234 Air Way, Glendale, Calif.

 KEISER, LEO E. (S'57-M'58), Publications Engr., Collins Radio Co., 1930 Hilline Dr., Dallas 7, Tex.

 KEISTER, JAMES E. (A'41-SM'46-F'57), Mgr., Engrg., Seniconductor Prods. Dept., GE Co., Syracuse, N. Y.

 KEIT, HAROLD A. (M'57), Assoc. Dept. Mgr., Thompson-Ramo-Mooldridge Corp., 80x 9DD67, Airport Sta., Los Angeles 45, Calif.

 KEITEL, GLENN H. (S'49-M'55), Mem. Tech. Staff, GE
- Angeles 45, Calif.

 KEITEL, GLENN H. (S'49-M'55), Mem. Tech. Staff, GE
 Microwave Lab., 601. California Ave., Palo Alto, Calif.

 KEITER, CHARLES W., 11 (A'57), Sales Consultant, Elec.
 Insultation, 321 Shawnee, Park Forest, III.

 KEITH, CHARLES E. (M'52-SM'59), Sect. Head, Instrumentation Div., Radiation, Inc., Box 2040, Pine Castle Branch,
 Orlando, Fla.

- Urlando, Fla.
 KEITH, CLYDE R. (A'44-SM'54), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N. J.
 KEITH, IVAN W. (S'43-A'47-M'55), Design Group Engr.,
 Convair, San Diego, Calif.
 KEITH, JOHN M. (A'53), V. P. & Treas., Automatic Genl.
 Electronic Sales, Inc., 6550 B Troost, Kansas City 10,
 Mo.
- MO.

 KEITH, ROBERT E. (M'56), Armament Systems Officer, IISAF. Biggs AFB. El Paso, Tex.

 KEITH, WALTER S. (A'41-M'55), Engr., in Chg., Capacitor Div., Hammarlund Mfg. Co., Inc., 460 W. 34 St., New York 1, N. Y.

 KEITH, WELDON W. (A'53-M'58), Design Group Head, Raytheon Mfg. Co., Wayland, Mass.

 KEITHLEY, JOSEPH F. (M'46-SM'57), Pres., Keithley Instruments, Inc., 12415 Euclid Ave., Cleveland 6, Ohio.

- KEIZER, EUGENE O. (M'46-SM'53), Research Engr.,
- RCA Labs., Princeton, N.J.

 KELAR, JOSEPH (S'42-A'43-SM'51), Engro. Supvr.,
 Lnivac Scientific Sect., Remington Rand Univac, St. Paul
 16, Minn.
- 16, Minn.

 KELB, ALLAN J. (A'44-M'55), Dept. Chief, Western
 Electric Co., 220 Church St., New York 13, N.Y.
 KELBLEY, LAWRENCE W. (M'58), Sales Mgr., Gahagan,
 Inc., Esmond, R. I.
 KELCA, MILAN M. (M'58), Elec. Engr., GE Co., Utica,
 N.Y.
- N.Y.
 KELCEY, MICHAEL F. (M'57), Instr., Provincial Institute
 of Technology & Art, 16 Ave. & 10 St., N.W., Calgary,
 Alta., Canada.
- KELCH, J. EDWARD (S 53-A 55), Electronics Engr., Electronic Defense Lab., Mountain View, Calif.

- Electronic Defense Lab., Mountain View, Calif.
 KELCH, RICHARD D. (M'57), Sr. Engr., Sylvania Elec.
 Prods., Inc., Box 205, Mountain View, Calif.
 KELEHER, ALBERT E., JR. (M'47), Mgr., Mktg. Planning,
 Raytheon Mfg. Co., West Newton, Mass.
 KELK, GEORGE F. (A'44-M'48), Pres., George Kelk,
 Ltd., 130 Wilbowdale Ave., Willowdale, Ont., Canada.
 KELL, RAY D. (A'35-F'47), Fellow Tech. Staff, RCA Labs.,
 Princeton, N. J.
 KELL, ROBERT E. (S'42-A'45-M'55), Principal Engr., Physics Oept., Cornell A eronautical Lab., 4455 Genesee St.,
 Buffalo 21, N. Y.
 KELLAM, JAMES C., JR. (A'54), Electronics Instr. for
- Buffalo 21, N. Y.

 KELLAM, JAMES C., JR. (A'54), Electronics Instr. for Field Engrs., Westinghouse Elec. Corp., Internatl. Airport, Box 746, Baltimore 3, Md.

 KELLAR, JOSEPH B. (A'45), Engr., Boeing Airplane Co., Seattle, Wash.

 KELLAR, WILLIAM J. (M'58), Project Engr., Western Dev. Labs., Philoc Corp., Palo Alto, Calif.

 KELLEHER, KENNETH S. (M'48–5M'51), Pres., Aero Geo Astro Corp., 1200 Duke St., Alexandria, Va.

 KELLEHER, ROBERT L. (A'47–M'55–SM'55), Engr., Sect. Head, Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 KELLEHER, WARREN I. (S'55–M'56). Elactronics Englished.

- N.Y.

 KELLEHER, WARREN J. (S'55-M'56), Electronics Engr.,
 ITT Labs., 3700 E. Pontiac St., Ft. Wayne, Ind.
 KELLER, AARON L. (A'55), Sr. Staff Engr., Itek Corp.,
 Crescent St., Waltham, Mass.
 KELLER, ALAN J. (S'56-M'59), Ensign, USN, USN & the
 AEC Div., Reactor Development, BuShips (Code 150D),
 Washington 25, D.C.
 KELLER, ARTHUR C. (A'36-VA'39-SM'51), Dir., Switching Systems Dev., Bell Tel. Labs., 463 West St., New
 York 14, N.Y.
 KELLER, BENIAMINI H. /A'E33.C.

- York 14, N.Y.

 KELLER, BENJAMIN H. (A'51), Purch. Agent, Radio,
 Inc., 1000 S. Main, Tulsa, Okla.

 KELLER, BRUCE W. (S'56-M'58), Field Engr., Hughes
 Aircraft Co., Culver City, Callf.

 KELLER, C.C. (A'55), 980 Memorial Dr., Cambridge 18,
 Mass.

- Mass.
 KELLER, EARL W. (S'43-A'51-M'57), Leader, El Communcations, RCA, Camden, N. J.
 KELLER, EDWARD F. (A'56), Sales Engr., New York
 Engr. Co., 75 West St., New York C, N. Y.
 KELLER, EL8ERT G. (S'50-A'51), Sr. Engr., Electronics
 Sys.ems Dev. Corp., 1484 E. Main, Ventura, Calif.
 KELLER, ERNEST A. (A'49-SM'55), Staff Scientist, Motorola Military Electronic Center, 1450 N. Cicero Ave., Chicago, Ill.
- KELLER, HENRY A. (SM'58), Col., U. S. Army, Chief, Electronic Environental Test Dept., Ft. Huachuca, Ariz. KELLER, J. WALTER, JR. (M'53-SM'59), Dir., Research & Dev., Miami Shipbuilding Corp., 615 S. W. 2nd Ave., Miami 36, Fla.
- KELLER, JDHN E. (A'45-M'55), Electronics Maint., U of California Lawrence Radiation Lab., Berkeley, Calif.

- KELLER, JOSEPH E. (A'52-M'57-SM'58), Atty., Dow, Lohnes & Albertson, 600 Munsey Bldg., Washington 4, D.C. KELLER, JURG (A'51), Genl. Mgr., Seyfier & Co., Ltd., Badenerstrasse 265, Zurich 3/40, Switzerland.

- Badenerstrasse 265, Zurich 3/40, Switzerland.
 KELLER, LOUIS P. (S'57-M'58), Foreman, Electricians,
 Cummins Engine Co., Inc., Columbus, Ind.
 KELLER, NORMAN E. (S'49-A'52), 319 Laurel Ave.,
 Menlo Park, Calif.
 KELLER, PETER A. (A'59), Technician, Geo-Science,
 Inc., Box 1128, Alamogordo, N. M.
 KELLER, RAYMOND G. (M'59), Electronics Engr., Convair,
 Pomona, Calif.

- Pomona, Calif.

 KELLER, ROBERT E.L. (A'52-M'57), Supt., Electronics Mfo. Div., IBM, Poughkeepsie, N.Y.

 KELLER, THOMAS B., JR. (A'54), Field Engr., Philoo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 KELLER, VICTOR L. (S'55-M'56), Engr., Magnavox Co., 2131 Bueter Rd., Ft. Wayne 4, Ind.

 KELLER, WILLIAM H. (M'57), Engr., AT&T, 195 Broadway, N.Y.

- KELLER, WILLIAM N. (S'49-A'51), Engr., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.

 KELLER, WILLIAM P. (A'45), Radio Engr., WLS, Inc., 1230 W. Washington Blvd., Chicago 7, III.

 KELLERMAN, DAVID (A'49-M'55), Chief Engr., Component Research Co., Inc., 2639 S. La Cienega Blvd., Los Angeles 34, Calif.
- KELLERMAN, KARL F. (SM'46), Asst. to V.P., Engrg. Bendix Aviation Corp., 1701 K St., N.W., Washington

- CELLEY, ELTON K. (S'55-M'58), Project Engr., Covair-Astronautics, San Diego, Calif.

 KELLER, FRANK (S'56-M'58), Project Engr., New York Telephone Co., 28 Church St., Buffalo, N.Y.

 KELLERS, FRANK (S'56-M'58), Project Engr., U. S.

 Army, Ft., Huachuca, Ariz.

 KELLEY, BUSTER E. (M'58), Electronics Engr., Chrysler

 Corp., Box 857, Redstone Arsenal, Ala.

 KELLEY, CHARLES R. (SM'59), Dir., Research Lab., Dunlab & Associates, Inc., 429 Atlantic St., Shamford, Conn.

 KELLEY, DONALD R. (S'52-M'56), Test Engr., Convair-Astronautics, San Diego, Calif.

 KELLEY, ELTON K. (S'33-A'36-M'46-SM'54), Electronic Mirs. Rep., Kelley Enterprises, 336 E. 4 St., Loveland, Colo.

 KELLEY, ELTON K. (S'55-M'58), Project Engr., U. S.
- land, Colo.

 KELLEY, EVERETT J. (S'55-M'58), Project Engr., U.S.
 Naval Training Device Center, Port Washington, L.I., N.Y.
 KELLEY, GEORGE J. (M'56), Engr., GE Co., Utlca, N.Y.
 KELLEY, GEORGE W., JR. (A'14-VA'39) (L), Consultant,
 Navy Radio Research Lab., Bellevue, Washington, D.C.
 KELLEY, HAROLD P., JR. (S'55-M'56), Design Engr., GE
 Co., Hendersonville, N.C.
 KELLEY, HOWARD M. (M'57), Tech. Writer, LMED, GE Co.,
 Utica, N.Y.
 KELLEY, JAMFC B. (MIEA)

- KELLEY, MUWAKU M. (M.57), Tech. Writer, LMED, GE Co., Ulica, N.Y.

 KELLEY, JAMES B. (M'54), Dept. Mgr., Military Avionics, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio. KELLEY, JAMES J. (A'42-M'55), Sales Engr., RCA, Keith Bldg., Cleveland, Ohio.

 KELLEY, JOE M. (A'57), Co-Owner, Kelley-Grelmann, Inc., 700 E. Garfield, Clarinda, Iowa.

 KELLEY, JOHN P. (M'58), Radiation Physics Engr., X-Ray Dept., GE Co., Milwaukee 1, Wis.

 KELLEY, JOHN R. (M'59), Mgr., Communications & Electronics Engr., Federal Electric Co., Paramus, N.J.

 KELLEY, JOHN R. (A'49), Asst. Engr., Specialist, Data Tape Div., Consolidated Electrodynamics Corp., 325 N. Halstead St., Pasadena, Calif.

 KELLEY, JOHN R. (A'45-M'50), Chief Instr., Home Study, Capitol Radio Engrg. Institute, 3224 16 St., N.W., Washington 10, D.C.

 KELLEY, LED A. (A'27-VA'59-M'55), Consulting Engr..

- Capitol Radio Engrg. Institute, 3224 16 St., N.W., Washington 10, D.C.

 KELLEY, LEO A. (A'27-VA'59-M'55), Consulting Engr.,
 3438 87 St., Jackson Hots., 72, L.I., N.Y.

 KELLEY, LUTHER C. (M'56), Electronics Scientist, U.S.
 Army Signal Radio Propagation Agency, Ft. Monmouth, N.J.

 KELLEY, NEIL D. (S'57-M'58), Application Engr., Minneapolis-Honeywell Regulator Co., 24-30 Skillman Ave.,
 Long Island City, N.Y.

 KELLEY, ORVILLE G. (A'54), Supvr., Missile Repair
 Sect., USAF, MDEM, Olmsted AFB, Middletown, Pa.

 KELLEY, RICHARD A. (S'46-A'49-M'55), Dev. Engr., Bell
 Tel. Labs., Murray Hill, N.J.

 KELLEY, ROBERT J. (A'56), Technician, Airborne Instruments Lab., 160 Old Country Rd., Mineola, L.I., N.Y.

 KELLEY, SIONEY B. (M'57), Electronics Engr., Motorola,
 Inc., 8330 Indiana Ave., Riverside, Calif.

 KELLEY, THOMAS B. (S'50-A'51-M'56), Systems Analyst,
 Standard Oil Co., California, 225 Bush St., San Francisco,
 Calif.

- Calif.

 KELLEY, WALTER A. (S'48-A'50-SM'56), Group Leader-Transistor Circuit Research, Motorola, inc., 4501 W. Augusta Blwd., Chicago 51, III.

 KELLEY, WESLEY V. (A'35-VA'39), Cirves Electric Co., E. Washington Ave., Madison, Wis.

 KELLEY, WILSUR E. (S'57-M'58), Dev. Engr., Western Electric Co., Whippany, N.J.

 KELLEY, WILLIAM C. (A'51-M'57), Chief Engr., KRUN, Central West Broadcasting Co., Inc., Ballinger, Tex.

 KELLIFR, JOHN E. (A'29-VA'39), Engr., McClatchy Broadcasting Co., 21 & Q. Sacramento, Calif.

 KELLIHER, MAURICE G. (M'56), Assoc. Chief Scientist, Vickers Research, Ltd., Brooklands Rd., Weybridge, Surrey, England.
- England.

 KELLINER, ALEXANDER S. (M'56), Sales Engr., Controlled Atmosphere Enclosures Corp., 230-11 141 Ave., Springfield Gardens 13, L.I., N.Y.

 KELLING, DDNALD G. (M'57), Engr., Avco. Mfg. Co., Cincinnati 15, Ohio.

- KELLNER, MORTON L. (A'52), Microwave Lab. Analyst, Space Technology Labs., Inc., Box 95001, Los Angeles Space Tec 45, Calif
- 45, Calif.
 KELLNER, RICHARD (M'56), Project Engr., American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn.
 KELLNER, ROBERT L. (M'50), Head, Prod. Design, Raytheon Mfg. Co., Andover, Mass.
 KELLOGG, CHARLES H. (S'51-A'54-M'59), Mem. Tech.
 Staff, The Ramo-Wooldridge Corp., 5730 Arbor Vitae,
 Los Angeles 45, Calif.

- KELLOGG, DONALD S. (S'38-A'40-SM'55), Exec. Engr., Nuclear Development Corp. of America, 5 New St., White Plains, N.Y
- Nuclear Development Corp. of America, 5 New St., White Plains, N.Y.

 KELLOGG, HARVEY A. (S'48-A'49-M'56), Test Engr., Hewlett-Packard, 275 Page Mill Rd., Palo Alto, Calif. KELLOGG, LOUIS H. (SM'58), Missile Systems Dev. Engr., Bell Tel. Labs., Whippany, N.J.

 KELLOGG, RAY E. (M'57), Sr. Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 KELLOGG, WILLIAM A. (M'56), Zone Sales Mgr., Motorola Communications & Electronics, Inc., 6555 Sunset Blvd., Hollywood 28, Calif.

 KELLOGG, WILLIAM M. (SM'46), Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 KELLOG, WILLIAM M. (S'56-M'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 KELLOM, ARTHUR W. (S'56-M'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 KELLOM, BERNARD K. (A'51), TV Broadcast Prod. Administrator, RCA, Camden, N.J.

 KELLOUGH, SAMUEL H. (A'52-M'56), Chlef Research & Dev. Engr., Franklim Mg. Co., 66 22 Ave., N.E., Minneapolis 18, Minn.

 KELLWAY, BRYAN J. (S'57-M'59), Deputy Head, Guidance & Control Dept., Short Bros. & Harland, Ltd., Belfast, North Ineland.

 KELLY, BILL A. (M'57-SM'58), Sr. Aerophysics Engr.,

- & Control Dept., Short Bros. & Harland, Ltd., Belfast, North Ireland.

 KELLY, BILL A. (M'57-SM'58), Sr. Aerophysics Engr., Convair, Box 748, Ft. Worth. Tex.

 KELLY, BILL A. (M'57-SM'58), Asst. Govt. Sales Mgr., Genl. Cable Corp.. 26 Washindton St., Perth Ambov. N. J.

 KELLY, BURNIS M. (SM'58), Asst. Govt. Sales Mgr., Genl. Cable Corp.. (S'56-A'58), Electronics Technician, Maint., Western Electric Co., Burington, N. C.

 KELLY, CHARLES M. (SM'53), Engr. Supvr., Sonar & Communications, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 KELLY, DANIEL S. W. (SM'56), Exec. Allen H. Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.

 KELLY, DON H. (A'53-M'58), Research Staff, Research Labs., Technicolor Corp., 2800 Olive Ave., Burbank, Calif. KELLY, DONALD S. (S'54-M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 KELLY, DUNFORD A. (SM'53), Consulting Engr., 4638

 10 Ave., Los Angeles 43, Calif.

 KELLY, EDMUND P., JR. (M'51), Sales Engr., Chicago Standard Transformer Corp., 3501 W. Addison St., Chicago Glb, Ill.

 KELLY, EDWARD J. (S'57-M'59), Elec. Engr., Eastman Kodak Co., 121 Lincoln Ave.

- Standard Transformer Corp., 350 1 W. Addison St., Chicago 1B, III.
 KELLY, EDWARD J. (S'57-M'59), Elec. Engr., Eastman Kodak Co., 121 Lincoln Ave., Rochester 11, N.Y.
 KELLY, FRANKLIN J. (M'577), Design Leader, Arma Div., Garden City, L.I., N.Y.
 KELLY, GEORGE E., JR. (S'50-A'52-M'56), Asst. Project Engr., Hamilton Standard Electronics, Windsor Locks, Conn.
 KELLY, GEORGE E. JR. (S'55-M'55), Asst. Prof., Elec. Engrs., Prairie View & & McOtlege, Box 2303, Priarie View, Tex.
 KELLY, H. (A'53-M'58), Research Staff, Research Labs., Technicolor Corp., 2800 Olive Ave., Burbank, Calif.
 KELLY, HENRY S. (A'51), Owner, Henry Schraub Kelly, Architect, 282 York St., New Haven 11. Corn.
 KELLY, HUGH P. (A'43-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 KELLY, JAMES F. (S'52-A'53-M'58), Electronics Engr., Tobyhanna Signal Depot., Tobyhanna, Pa.
 KELLY, JAMES F. (A'57), 53 Randolph Pl., West Orange, N.J.
 KELLY, JAMES J. (A'56-M'58), Tech. Writer. Vitro Labs..

- KELLY, JAMES H. (A'57), 53 Randolph P1., West Orange, N.J.
 N.J.
 N.J.
 KELLY, JAMES J. (A'56-M'58), Tech. Writer, Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.
 KELLY, JEROME J. (A'56), Asst. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 KELLY, JOHN J. (M'59), Sr. Dev. Engr., Norden Div., United Aircraft Corp., 58 Commerce Rd., Stamford, Conn.
 KELLY, JOHN J. (S'55-A'57), 30-81 44 St., Long Island City 3, N.Y.
 KELLY, JOHN W. (M'53), Mgr., Advanced Radar Engre., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
 KELLY, JOHN W. (M'53), Mgr., Advanced Radar Engre., Colorinati 25, Ohio.
 KELLY, McCompany Company Company

- District Telegraph Co., Inc., 155 6 Ave., New York 13, N.Y.

 KELLY, LAWRENCE J., III (A'55), Partner, Kelly Associates, Box 7, Chase, Md.

 KELLY, LOWELL A., JR. (M'58), Assoc. Electronics Engr., McDonnell Aircraft Corp., St. Louis, Mo.

 KELLY, McDennell Aircraft Corp., St. Louis, Mo.

 KELLY, MERVIN J. (M'25-F'38), Pres., Bell Tel. Labs., 463 West St., New York 14, N.Y.

 KELLY, MICHAEL J. (A'54), Electronics Engr., Allen B.

 DUMONT Labs., Inc., 2 Main Ave., Passaic, N.J.

 KELLY, MICHAEL J. (S'54-M'59), Quality Control Engr., Airbonne Instrument Lab., Mincola, J. I., N.Y.

 KELLY, PALA B. (S'54-M'56), Engr., E.I. du Pont de Nemours & Co., 101 Beech St., Wilmington, Del.

 KELLY, P. RICHARD (M'59), Instrument Engr., GE Co., Richland, Wash.

 KELLY, PATRICK J. (S'55-M'57), Consultant Engr., Natl. Security Agency, Eurose, APD 757, New York, N.Y.

 KELLY, PAUL E. (S'57-M'59), Design Engr., LMED, GE Co., Utica, N.Y.

 KELLY, PETER M. (M'53), Sr. Engr., Aeronutronics Systems, Inc., 1234 Air Way, Glendale, Calif.

 KELLY, RAYMOND S. (S'43-A'45-M'55), Head, System Engr., Sect., MG Series System Dept., Hughes Aircraft Co., Culver City, Calif.

 KELLY, RICHARD A. (S'57-A'58), Electronics Technician, Strombery-Carlson Co., 1400 N. Goodman St., Rochester

- KELLY, RICHARD A. (S'57-A'58), Electronics Technician, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N Y.
- 9, N Y.
 KELLY, ROBERT L. (A'37-M'40-SM'43), Administrator,
 Tech. Coordination, RCA Tube Div., Harrison, N.J.
 KELLY, ROBERT W. (A'48-M'53-SM'58), Mgr., Engrg.
 Services, Texas Instruments, Industrial Instruments Div.,
 Box 6027, Houston 6, Tex.

- KELLY, ROBERT W. (M¹54), Mobile Unit Supvr., Southland Industries, Inc., WOAI-TV, 1031 Navarro St., San Antonio 1, Tex.
- 1, Tex.

 KELLY, RONALD D. (S'54-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 KELLY, RUBEN D. (S'52-A'54), Staff Mem., Sandia Corp., Sandia Base, Albuqueroue, N.M.

 KELLY, THOMAS J. (S'52-A'53-M'57), Electronics Engr., Lab. for Electronics, 56 Pits St., Boston, Mass.

 KELLY, THOMAS J. (M'54), Dir., Licensing, Raytheon Mfg. Co., Waltham 54, Mass.

 KELLY, THOMAS W. (A'53), Elec. Engr., Canadair, Ltd..

 Montreal, P.Q., Canada.

 KELLY, VAUGHN (A'50-M'55), Head, Engrg. Services Branch, Electronics Div., Pearl Harbor Naval Shipyard, Pearl Harbor, Hawaii.

 KELLY, WILLIAM C. (M'57), Electronics Engr., Sperv Microsekells.

- Pearl Harbor, Hawali.
 KELLY, WILLIAM C. (M/57), Electronics Engr., Sperry Microwave Electronics Co., Box 18 2B, Clearwater, Fla.
 KELLY, WILLIAM S. (A/55), Electronics Engr., Rome
 Air Development Center, Griffiss AFB, N. Y.
 KELLY, WILLIAM T. (S/31–A/52-M/56), Elect. Engr.,
 Texas Co., Research Div., Box 4 25, Bellaire, Tex.
 KELMER, YAACOV (S/54-M/55), Israel Signal Corps, Home:
 5 Zammenhoff St., Tel Advi, Jisrael.
 KELMIS, KYREAKOS J. (A/56), Administrator, RCA,
 Harrison, N. J.

- Harrison, N.J.

 KELNER, ROBERT C. (A'56), DIr., Computer Prods. Div., Lab. for Electronics, Inc., 1079 Commonwealth Ave., Boston, Mass.

 KELSAY, WILLIAM D. (S'43-A'45-M'55), Transmission Engr., Elec. Design Div., Texas Power & Light Co., 1730 Fidelity Union Life Insurance Bidg., Dallas, Tex. KELSEY, DARREL B. (S'57-M'58), Fell dengr., AC Spark Plug, 1925 Kennilworth, Milwaukee 1, Wis.

 KELSEY, DONALD L. (A'5B), Microwave Standards Engr., Hughes Aircraft Co., Culver City, Calif.

 KELSEY, ELIZABETH L. (A'30), Consultant & Writer, TV, Microwaves, Psycho-Acoustics, 3439 Mono Dr., Riverside, Calif.

 KELSEY, ERNEST S. (A'38-SM'46), Communication Studies, Northern Electric Co., 1600 Dorchester St., Montreal, P.Q., Canada.

 KELSEY, GENE M. (A'58), Sheet Metal Machinist, Tektronix

- Montreal, P. Q., Canada.

 KELSEY, CENE M. (4.58), Sheet Metal Machinist, Tektronix, Inc., Box B31, Portland, Ore.

 KELSEY, JAMES R. (S. 41-A-44), Dept. Mgr., Remington Rand Univac, St. Paul 16, Minn.

 KELSEY, LAWRENCE C. (4.753), Project & Electronics Dev. Eggr., W. M. Welch Mig. Co., 1515 Sedgwick St., Chicago 10, III.

 KELSO, JOHN M. (SM'57), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif. KELSO, JOBERT J. (S'43-A-49-M'55), Sr. Engr., ITT Labs., Nutley 10, N.J.

 KELTER DORDN. W. H. (A'27-VA 139-SM'4B). Mig. Engr.

- Labs., Nutley 10, N.J.

 KELTERBORN, W. H. (A'27-VA'39-SM'4B), Mfg. Engr., Electronic Tube Div., Canadian Westinghouse Co., Aberdeen Ave., Hamilton, Ont., Canada.

 KELTING, WALTER M., JR. (A'54), Sr. Electronic Technician, Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 KELTON, GILBERT (M'54-SM'57), Exec. Asst. to Dir., Philips Labs., Div., North American Philips Co., Inc., irvington-on-Hudson, N.Y.

 KELTON, MICHEL R. (M'53), Sales Engr., Jiveco Electronics, 21 Av. Victor Hugo, Paris, France.

 KELTONIC, FRANK J. (A'55), Electronics Scientist, USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.

- Conn.
 KELVIN, WILLIAM (A'50-M'55), Chief Engr., Century
 Electronics, 111 Roosevelt Ave., Mineola, L.I., N.Y.
 KEMANIS, GUNARS (S'54-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 KEMASH, A. Edward (S'56-M'57), Tech. Aide, Bell Tel.
 Labs., Murray Hill, N.J.
 KEMBLE, THOMAS H. (S'57-M'59), Analog Computer
 Analyst, United Aircraft Corp., East Hartford, Conn.
 KEMMERIES, FREDERICK D. (S'49-A'50-SM'57), Sr.
 Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix,
 Ariz.
- Ariz.

 KEMMERLY, JACK E. (A'52-M'55), Asst. Prof., Elec.
 Engrg. Purdue Univ., West Lafayette, Ind.

 KEMMITZ, WILLIAM F. (A'53), TV Engr., WTTW, Chicago
 Educational Television Association, 1761 E. Museum Dr.,
 Chicago 37, III.
- Chicago 37, III.

 KEMP, CHARLES J. (M'58), Chmn. of Bd., Alr Born
 Connectors, Inc., Box 13251, Dallas 20, Tex.

 KEMP, EDWIN L. (A'48-M'54), Staff Mem., Univ. of
 California, Box 1663, Los Alamos, N. M.

 KEMP, GILBERT H. (S'49-A'52-M'57), Sr. Research
 Engr., Convair, Pomona, Calif.

 KEMP, JAMES A. (M'57), Engr., Raytheon Mfg. Co.,
 Maynard, Mass.

 KEMP, JOHN R. (S'54-A'54) Mech. Engr. Canadian

- KEMP, JOHN R. (S'54-A'54), Mech. Engr., Canadian Nati. Railways, 130 Westmorland St., Moncton, N.8., Canada
- Canada.

 KEMP, JOSEPH C., JR. (S'48-A'51-M'58), Supt., Plans & Programs Div., Aeronautical Electronics & Electrical Lab., U. S. Naval Air Development Center, Johnsville, Pa., KEMP, RUSSELL H. (S'57-A'58), 1458 Queen St., W., Toronto 3, Ont., Canada.

 KEMPER, DONALD M. (A'55), Design Engr., Far West Engr., Co., 5751 W., 98 St., Los Angeles 45, Calif. KEMPER, JACK A. (S'50-A'51-M'58), Electronics Engr., Natl. Bureau of Standards, Boulder, Colo.

- Natl. Bureau of Standards, Boulder, Colo.
 KEMPF, SRUCE E. (S'57-M'58), Class B Engr., RCA,
 Camden, N. J.
 KEMPF, KENNETH R. (S'47-A'50-M'56), Facuity, Elec.
 Engro. Dept., Univ. of Notre Dame, Notre Dame, Ind.
 KEMPF, RAYMOND A. (S'37-A'38-VA'39-M'55), Tech,
 Staff, Bell Tel. Labs., 2500 Broening Hwy., Baltimore
 24, Md.

- 24, Md.

 KEMPF, ROBERT F. (M'59), Electronics Engr., Motorola, Inc., 8201. E. McDowell Rd., Phoenix, Ariz.

 KEMPF, WILLIAM F. JR. (S'48-4'51-M'58), Project Engr., Aerojet Genl. Corp., Azusa, Calif.

 KEMPLER, ARNOLD R. (S'56-4'58), Sr. Tester, Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- KEMPSON, ALBERT, JR. (S'57-M'58), TV Project Engr., Philico Corp., 32 St. & Lehigh Ave., Philiadelphia 32, Pa. KENDALL, BURTON W. (M'42-SM'43), 67 S. Munn Ave., East Orange, N.J.

- KENDALL, DELVIN E. (M'5B), Chief, Systems Dev., Kaman Aircraft Corp., Bloomfield, Conn.
 KENDALL, EMMETT L. (S'47-A'51-M'56), Research Engr., Boeing Airplanc Co., Seattle, Wash.
 KENDALL, FRANK H., JR. (M'5B), Electronics Scientist, David Taylor Model Basin, Washington 7, D.C.
 KENDALL, HUGH C. (SM'49), Dir., Research Genl. Railway Signal Co., BOI West Ave., Rochester, N.Y.
 KENDALL, JACKSON W., JR. (M'56), Liaison Engr., Eitel-McCullough, Inc., San Carlos, Calif.
 KENDALL, JAMES T. (SM'57), Genl. Mgr., (Tech.), Texas Instruments, Ltd., Dallas Rd., Bedford, England.
 KENDALL, JOHN A. (A'27), Quality Assurance Rep., U. S. Army Signal Supply Agency, 225 S. 18 S1., Philadelphia 3, Pa.
 KENDALL, KENNETH J. (S'56-M'59), 5B Foumler
- KENDALL, KENNETH J. (S'56-M'59), 5B Fournier Crescent, East Paterson, N.J.
- KENDALL, LOUIS B. (SM*55), Cmdr., USCG, Commanding Officer, U.S. Coast Guard Electronics Engrg. Sta., Wildwood, N.J.

- Officer, U.S. Coast Guard Electronics Engrg. Sta., Wildwood N.J.

 KENDALL, PERRY E. (SM'56), Head, Systems Analysis & Design, ITT Labs., Ft. Wayne, Ind.

 KENDALL, RAYMOND (A'41_M'45-SM'57), Communications Sales Mgr., Raytheon M/g. Co., West Newton, Mass.

 KENDALL, RAYMOND W., JR. (A'59), Engr., Northrop Aircraft, Inc., Hawthome, Callf.

 KENDALL, ROY N. (A'57_M'57), Mgr., Western Electronics Service Co., 2212 W. 2nd St., Roswell, N.M.

 KENDALL, RUDY V. (S'49_A'53_M'5B), Elec. Engr., Bell Tel. Co., Beaver Hall Hill, Montreal, P.Q., Canada.

 KENDALL, RUDY V. (S'49_A'53_M'5B), Elec. Engr., Bell Tel. Co., Beaver Hall Hill, Montreal, P.Q., Canada.

 KENDALL, RUDY V. (S'49_A'53_M'5B), Ottowa, Ont., Canada.

 KENDE, GEORGE (SM'51), V.P. & Works Mgr., Wollensak Optical Co., BbT Hudson Ave., Rochester 9, N.Y.

 KENDLE, JAMES P. (M'5B), Design Engr., Collins Radio Co., Burbank, Callf.

 KENDRICK, FLOYD D. (S'56-M'57), Assoc. Engr., Lock-heed Missile Systems Div., Hanover St., Palo Alto, Callf.

 KENDRON, JAMES H. (S'53-M'57), Radiation instrumentation Engr., Naul. Reactor Testing Sta., GE Co., Box 535, Idaho Falls, Idaho.

 KENEFAKE, E. W. (A'3B-SM'46), Sales Mgr., Microwave Equipment, GE Co., Syracuse, N.Y.

 KENISON, RICHARD G. (S'55-M'57), Field Engr., GE Co., Ulica, N.Y.

 KENKEL, HOWARD H. (A'46-SM'52), Tech. Staff, Space

- KENKEL, HOWARD H. (A'46-SM'52), Tech. Staff, Space Technology Labs., 5500 W. El Segundo, Los Angeles 45, Calif.
- Calif.
 KENLY, THOMAS F. (S'56-M'57), Sr. Engr., Haller,
 Raymond & Brown, Inc., Box 60, State College, Pa.
 KENNA, LE ROY A. (S'55-M'57), Assoc. Engr., RCA
 Surface Communications Systems, 27 20 E. Broadway,
 Tucson, Ariz.

- KENNA, LE ROY A. (S'55-M'57), Assoc. Engr., RCA Surface Communications Systems, 2720 E. Broadway, Tucson, Ariz.

 KENNANN, JOHN E. (S'53-A'55), Designer "A", Douglas Aircraft Co., El Segundo, Calif.

 KENNAND, ARTHUR G., JR. (S'55-M'59), Electronics Engr., 1BM, Poughkeepsle, N.Y.

 KENNAUGH, EDWARD M. (A'55), Assoc. Supvr., Antenna Lab., Ohio State Univ., Columbus, Ohio.

 KENNEDY, ARTHUR (M'45-SM'47), Consultant, Boland & Boyce, Inc., 7B Main St., Madison, N.J.

 KENNEDY, ARTHUR E. (S'49-A'51), Sr. Sales Engr., Avlation Dept., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q., Canada.

 KENNEDY, BOYD M. (SM'59), Contract Mgr., RCA Service Co., 4374 E. Speedway, Tucson, Ariz.

 KENNEDY, CHARLES J. (A'52-SM'54), Owner, Kennedy Co., 2487 E. Washington St., Pasadena, Calif.

 KENNEDY, CHARLES J. (A'52-M'57), Mgr., Industrial Prods., Sylvania Elec. Prods., Inc., 6505 E. Gayhart St., Los Angeles, Calif.

 KENNEDY, CLAIRE A., JR. (S'49-M'56), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 KENNEDY, CLAUBE L., JR. (S'53-A'55), Receiver Engr., Hammartund Mfg. Co., Inc., Mars Hill, N.C.

 KENNEDY, OLAUBE L., JR. (S'53-A'55), Receiver Engr., Hammartund Mfg. Co., Inc., Mars Hill, N.C.

 KENNEDY, OLAUDE L., JR. (S'53-A'55), Receiver Engr., Hammartund Mfg. Co., Inc., Mars Hill, N.C.

 KENNEDY, DONALD S. (M'54), Pres., D. S. Kennedy & Co., 155 King St., Cohasset, Mass.

 KENNEDY, DONALD S. (M'54), Pres., D. S. Kennedy & Co., 155 King St., Cohasset, Mass.

 KENNEDY, DONALD S. (M'54), Pres., D. S. Kennedy & Co., 155 King St., Cohasset, Mass.

 KENNEDY, DONALD S. (M'56), Pres., D. S. Kennedy & Co., 156 Canal St., Holyoke, Mass.

 KENNEDY, DONALD S. (M'56), Pres., D. S. Kennedy & Co., 260 Canal St., Holyoke, Mass.

- 6, Ohio.

 KENNEDY, EDWARD J. (S'56-M'58), Design Evaluation
 Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 1B, Minn.

 KENNEDY, FITZROY (A'43-SM'5B), Consultant, 102 Mt.
 Auburn St., Cambridge 3B, Mass.

 KENNEDY, FRANK H., JR. (A'42-SM'52), V.P., Geotechnical Corp., Box 28277, Dallas 2B, Tex.

 KENNEDY, FRANK M. (A'31-M'39-SM'43), TV Master
 Control Supvr., ABC, 4151 Prospect, Hollywood 27,
 Calif.

- Calif. Support Calif. (M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. KENNEDY, GERARD F. (M'57), Dev. Engr., Prod. Dev. Lab., IBM, Poughkeepsle, N.Y. KENNEDY, HENRY G. (A'56), TV Technician, Canadian Westinghouse Co., Ltd., Brantford, Ont., Canada. KENNEDY, HUGH D. (S'47-A'50-M'55), Production Mgr., Granger Associates, 966 Commercial St., Palo Alto, Calif. KENNEDY, JAMES A. (S'54-M'5B), Elec. Engr., GE Co., Syracuse, N.Y. KENNEDY, JAMES M. (M'58), Staff Engr., Columbia Univ., Electronics Research Labs., 632 W. 125 St., New York 27, N.Y. KENNEDY, JAMES P. (SM'51), Sales Engr., Sola Electric

- 27, N.Y.

 KENNEDY, JAMES P. (SM'51), Sales Engr., Sola Electric
 Co., 4633 W. 16 St., Chicago 50, III.

 KENNEDY, JAMES V. (A'56), Capt., USAF, Elec. Engr.,
 Wright Air Development Center, Wright-Patterson AF 8, Ohio.

 KENNEDY, JEROME D. (A'54), Midwest Sales Mgr., Electronics Associates Inc., 101 S. Pine, Mt. Prospect, III.

 KENNEDY, JOHN A. (M'52), Pres., James Vibrapower Co.,
 4050 N. Rockwell St., Chicago 18, III.

 KENNEDY, JOHN B. (S'53-M'56), Elec. Engr., ITT Labs.,
 Nutley 10, N.J.

 KENNEDY, JOHN B. (JS-3-M'56), Elec. Engr., ITT Labs.,
 Nutley 10, N.J.
- KENNEDY, JOHN E., JR. (S'51-A'52), Electronics Engr., Martin Co., Box 179, Denver 1, Colo.

- KENNEDY, JOHN L. (S'49-A'51-M'56), Navigation Group Leader, Wilcox Electric Co., Inc., 1400 Chestnut St., Kansas City, Mo.
- KENNEDY, JOSEPH B. (A'50-M'5B), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 KENNEDY MAURICE E. (A'41-SM'47-F'56), Dir., Chief Engr., Dept. of Communications, Los Angeles County, 234 N. Main St., Los Angeles 12, Calif.
- 234 N. Main St., Los Angeles 12, Callif.
 KENNEDY, MORGAN J. (5'55-M'572), Lt., USAF, Test
 Project Engr., 4925th Test Group (Atomic), Air Force
 Special Weapons Center, Kirltand AFB, N. M.
 KENNEDY, PAUL R. (S'55-A'56), Liquid Oxygen Generator School, U.S. Army, Ft. Belvolr, Va.
 KENNEDY, PETER D. (S'48-A'51-N'56-SM'59), Asst.
 Supvr., Antenna Lab., Ohio State Univ., Columbus 10,
 Ohio.

- Ohio.

 KENNEDY, RALPH A. (M'57), Electronic Instr., Vocational Debt., Lee H. Edwards High School, Asheville, N.C.

 KENNEDY, RICHARD L. (A'54), Test Engrg., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 KENNEDY, ROBERT L. (A'39-SM'52), Partner, Kear & Kennedy, Consulting Engrs., 1302 1B St., N. W., Washington 6, 0. C.

 KENNEDY, ROBERT P., JR. (M'52), Pres., R. P. Kennedy Co., 1B2 Mayflower Dr., Rochester 1B, N.Y.

 KENNEDY, THOMAS E. (M'57), Project Engr., Marsland Engrg., Ltd., 154 Victoria St., S., Kitchener, Ont., Canada.
- KENNEDY, THOMAS R., JR. (SM'4B), Consultant Technical News, Audio Specialization, 12B Howard Ter., Leonia, N. J.

- N. J.
 KENNEDY, WILLIAM A. (S'57-M'58), Engr., Collins Radio
 Co., Cedar Rapids, Iowa.
 KENNEDY, WILLIAM F. (M'56), Elec. Engr., Sylvania
 Elec. Prods., Inc., Waltham 54, Mass.
 KENNEDY, WILLIAM H. (M'52), Sr. Engr., P. R. Mallory
 & Co., Inc., 3029 E. Washington, Indianapolis 6, Ind.
 KENNEDY, WILLIAM J. (S'56-M'57), Capt., U. S. Army
 Staff Officer, U. S. Army Signal Officer, OCSigo, Washington 25, D. C.

- Start Unicer, U. S. Army Signal Officer, OCSigo, Washington 25, D. C.

 KENNEFICK, ALBERT R. (A'59), Tech. Writer, Lehigh
 Engro. Associates, 295 Plane St., Newark, N. J.

 KENNEL, JDHN M. (SM'56), Research Specialist, Engro.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.

 KENNEMER, JOSEPH R. (A'57), Site Engr., Burroughs
 Corporation, 511 N. Broad St., Philadelphia, Pa.

 KENNETH, FRED (A'477), Instrument Technician, W. L.

 Maxson Corp., 460 W. 34 St., New York 1, N. Y.

 KENNEVELL, EDWIN M. (A'51), Engr., Postmaster-General's Dept., 54 Jolimont Ter., Jolimont, Victoria, Australia.

 KENNEY, BEN D. (S'49-A'50), Owner, Green Acres Golf
 Course, 611B E. Speedway, Tucson, Ariz.

 KENNEY, BEN D. (S'49-A'59), Production Mor., E. W.

 Brilmayer Labs., Inc., B6 Fulton St., New York, N. Y.

 KENNEY, JOHN R. (A'53-M'58), Asst. Research Officer,
 Natl. Research Council, Montreal Rd., Ottawa, Ont., Canada.
- KENNEY, MAHLON W. (M'2B-SM'43), V.P.-in-Chg., Engrg., The Seeburg Corp., 1500 N. Dayton St., Chicago 22, III.
- KENNEY, RUSSELL C. (M'56), Project Engr., IBM, King-ston, N. Y.
- KENNEY, RUSSELL C. (M'56), Project Engr., IBM, Kingston, N. Y.

 KENNEY, T. (A'43-SM'54), Chief Engr., KDKA-Radio, Westinghouse Broadcasting Co., Inc., 1 Gateway Center, Pittsburgh 22, Pa.

 KENNEY, WILLIAM D. (M'57), Electronics Scientist, GS-11, Diamond Ordnance Fuze Labs., Washington 25, D. C.

 KENNIGER, ARTHUR (M'47), Teacher, Ottawa Tech. High School, Ottawa, Ont., Canada.

 KENNY, BENJAMIN C. (M'56), Sr., Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 KENNY, HARRY W. (S'51-A'52), Sales Engr., Ace Engrg. & Machine Co., Tomlinson Rd., Huntington Valley, Pa.

 KENNY, JAMES A. (A'48-M'55-SM'56), Engr., Sect. Head, Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 KENNY, JOSEPH W. (S'57-M'59), Engr., Dalmo Victor Co., 1515 Industrial Way, Belmont, Calif.

 KENNY, MORRIS (A'52-M'57), V. P., Research & Dev., Narda Ultrasonics Corp., 625 Main St., Westbury, L. I., N. Y.

 KENNY, PHILIP C. (S'5B-M'59), 417-32 St., Manhattan

- KENNY, PHILIP C. (S'5B-M'59), 417-32 St., Manhattan Beach, Calif. KENDSIAN, HARRY (M'52), Project Engr., Burroughs Corp., Research Center, Paoli, Pa.
- KENDYER, HOWARD W. (S'49-A'51-M'5B), Service Engrg. Supvr., Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 7, Mich.
- KENRICH, CHESTER M. (A'54), Coordinator of Maint. & Operation of Electronic Computers & Auxiliary Equipment, Univ. of California Radiation Labs., Box 808, Livermore,
- Calif
- Calif.
 KENT, ALVAR J. (A'55), Supvr., Sylvania Elec. Prods., Inc., Needham, Mass.
 KENT, ANSEL H., JR. (S'52-A'53-M'58), Sr. Systems Design Engr., Chance-Vought Aircraft, Inc., Dallas, Tex.
 KENT, CHARLES E. (S'49-A'52-M'57), Engr., Bendix Aviation Corp., Ann Arbor, Mich.
 KENT, EARLE L. (A'40-SM'45), Dir., Research, C. G. Conn, Ltd., 1101 E. Beardsley Ave., Elkhart, Ind.
 KENT, GEORGE J. (SM'53), Dept., Chief, Western Electric Co., 195 Broadway, New York, N.Y., Adj. Prof., Elec. Engrg., The Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn, N.Y.
- KENT, GERALD R. (A'51), 720-B Concord, Glendale, Calif.
- Calif.
 KENT, GDRDON (A'52-M'56), Assoc. Prof., L. C. Smith
 College of Engrg., Syracuse Univ., Syracuse, N. Y.
 KENT, JOSEPH S. (S'44-A'50-M'55), Project Mgr.,
 Electronic Div., Dis Elevator Co., 35 Ryerson St.,
 Brooklyn 5, N. Y.
 KENT, LAWRASON L. (S'51-A'53-M'58), Project Engr.,
 Bendix Aviation Corp., Towson 4, Md.
- oenoix Aviation Corp., 1 owson 4, Md.
 KENT, LEONARD I. (S'49-A'51-M'55-SM'58), Chief,
 Microwave Engr., The Narda Microwave Corp., 118-160
 Herricks Rd., Mineola, L. I., N.Y.
 KENT, MICHAEL P. (A'57), Sta. Mgr., Decca Transmitting
 Sta., Decca Navigator Div., Computing Devices of Canada,
 Ltd., Bells Corners, 8ox 508, Otawa, Ont., Canada.

- 245 -KEN-KEY

- KEN1, PHYLLIS (M¹56), Research Asst., Syracuse Univ.,
- KENT, RALPH A. (A'46), Mktg. Sales Engr., RCA Internatl. Div., 30 Rockefeller Plaza, New York 20, N. Y.; & Clark,
- KENT, RAYMONO C. (SM¹54), Mgr. Systems Engrg., Radiation Div., Varian Associates, Inc., 611 Hansen Way, Palo Alto 2, Calif.
- KENT, ROSCOL (A'48-M'50-SM'50), Florida Rep., Industrial Instru. ents, Inc., B9 Commerce Rd., Cedar Grove, N. J.
- KENT, STEVEN S. (S'4B-A'50-M'56), Project Engr., Resdel Engrg. Corp., 330 S. Fair Oaks, Pasadena, Calif. KENT, WILLIAM S. (S'56-M'59), Elec. Engr., RCA, Cam-
- den, N. J. KENTON, JOHN K. (A'51-M'57), Electronics Foreman, Stanolind Oil & Gas Co., Research Center, 41 St. & Yale, Tulsa, Okla.
- KENYON, DAVID E. (SM'54), Research Engr., Marine Div., Sperry Rand Corp., Roosevelt Field, Garden City L.I.,
- KENYON, H. PAYSON, JR. (S'48-A'52-M'57), Engr., GE

- KENYON, H. PAYSON, JR. (S'4B-A'52-M'57), Engr., GE
 CO., Lica, N. Y.
 KENYON, HARRY S. (A'33-VA'39-SM'50), Supt., Engrg.,
 Philoc Corp., Monroe St., Sandusky, Ohio.
 KENYON, RICHARD J. (S'54-M'56), Research Asst.,
 Elec. Engrg. Dept., Univ. of Illinois, Jurbana, Ill.
 KENYON, RICHARD R. (S'49-A'52-M'56), Research Asst.,
 Computer Lab., Purdue Univ., Lafayette, Ind.
 KENYON, RUSHARD R. (S'49-A'52-M'56), Engr., GE Co.,
 Syracuse, N. Y.
 KENYON, S. WAYNE (A'54), Technician, Microwave Dev.,
 Engrg., GE Co., Syracuse, N. Y.
 KEOGH, RAYMOND J. (S'49-A'52-M'5B), Engr., Circuit
 Research Co., Main St., Cold Spring Harbor, L.I., N.Y.
 KEOMJIAN, EDWARD (M'50-SM'52), Sr. Electronics Engr.,
 American Bosch Arma Corp., Garden City, L.I., N.Y.
 KEOUGH, KENNETH J. (M'57), Sales Engr., Bradley Semiconductor Corp., 275 Wetton St., New Haven 11, Comm.
 KEOUGH, KENNETH J. (M'57), Supvr., Maint., Parls &
 Data, Če C., 600 Majn St., Johnson City. N.Y.
 KEPLINGER, MAITH (M'47), Electronics Engr., FAA, Box
 1689, Ft. Worth I, Tex.
 KEPNER, PAUL E. (M'58), Asst. Prof., Elec. Engr., New
 Mexico State Univ., Box 1192, University Park, N.M.
 KEPNER, WILLIAM E. (SM'58), Lt. Gen., USAF, Retired,
 Chm. of Bd. of Dirs., Radiation, Inc., Pinecastie Branch,
 Box 2040, Orlando, Fla.
- KEPPEL, RICHARD A. (S'48-M'55-SM'59), Supvr., Computer Dev., Nortronics Div., The Northrop Corp., Hawthome, Calif.
- KEPPERT, GERALD D. (A'47-M'55), Personnel Supvr., Wisconsin Telephone Co., 722 N. Broadway, Milwaukee 2, Wis.

- 2, WIS.
 KEPPLER, CARL, III (S'56-M'57), Flight Test Engr.,
 Convair, Ft. Worth, Tex.
 KERANEN, EVERT W. (A'40-M'50), Mirs Rep., Aerovox
 Corp., 20 N. Wacker Or., Chicago 6, III.
 KERBEC, MATTHEW J. (A'55-M'58), Regional Sales
 Engr., Philo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- Engr., Philico Corp., 4700 Wissahickon Ave., Philladelphia 44, Pa.

 KERBER, MARVIN C. (S'56-M'59), 6224 Joyce Lane, Cincinnati 37, Ohlo.

 KERBER, STANLEY M. (S'43-A'45-M'50), Group Leader, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 KERBS, GEORGE, (S'58-M'59), Western Electric Co., W.S.F. Bidg., Treasure Island, San Francisco, Calif.

 KERBS, WANNE A. (S'52-A'53), Elec. Engr., Booz-Alien Applied Research, Inc., 40B W. Main St., Fairborn, Ohio.

 KERBY, COROON A. (A'44-M'55), Electronic Engrg. Lab., Convair, San Diego 7, Calif.

 KERCHER, MAX K. (A'55), Engr., Equipment Engrg. Dept., Western Electric Co., Cicero, Ill.

 KERCHER, ROBERT B. (A'50-M'55), Assoc. Engr., Military Prods. Div., 1BM, Owego, N.Y.

 KERCHER, THEODORE C. (M'57), Instr., Ryan Aeronautical Co., Keamey Mesa Rd., San Diego, Calif.

 KERCHNER, RUSSELL M. (SM'55), Head, Dept., Elec. Engr., Sandard, San Diego, Calif.

 KERCHNER, RUSSELL M. (SM'55), Head, Dept., Elec. Engr., Sandard, San Diego, Calif.

 KERCHNER, RUSSELL M. (SM'55), Project Engr., Telectro Industries, 35-16 37 St., Long Island City 1, N.Y.

 KERENYI, GABRIEL R. (M'5B), Project Engr., Telectro Industries, 35-16 37 St., Long Island City 1, N.Y.

 KERFOOT, BRANCH P., JR. (S'44-A'49-SM'55), Fr. Mem. Systems Staff, Computer Div., Aeronutronic Systems, Inc. Newoord Beach, Calif.

 KERFOOT, JAMES H. (A'51-M'56), Engr., Canadian Cf. Co. Ind. B.30 Jansdowne Ave., Tornoto, Ont.
- KERFOOT, JAMES H. (A'51-M'56), Engr., Canadian GE Co., Ltd., B30 Lansdowne Ave., Toronto, Ont., Canada.

- Canada.

 KERHULAS, ALEX T. (S'46-A'51-M'58), Tech. Engr.,
 GE Co., Evendale, Ohio.

 KERIAN, RICHARD D. (S'57-A'5B), Service Engr., Datamatic
 151 Needham St., Newton Highlands, Mass.

 KERK, CART. T. (S'52-A'54), Sr., Elec. Engr., Sylvania
 Data Systems Operations, Needham 94, Mass.

 KERKER, ROLF (M'59), Electronics Scientist, White
 Sands Missile Range., N.M.

 KERMAN, MAX (S'49-A'51-M'58), Research Consultant,
 Avion Div., ACF Industries, inc., 11 Park Pl., Paramus,
 N.J.
- KERMODE, DAVID W. (M'57), Project Engr., U. S. Naval Ordnance Test Sta., China Lake, Calif. KERN, DALE R. (A'55), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

- KERN, DALE R. (A'55), Sr. Engr., Sylvania Elec. Pross., Inc. . Waltham, Mass. KERN, GEORGE A. (A'50-M'56-SM'59), Dev. Engr., ITT Labs., Nutley 10, N.J. KERN, JACK I. (A'44-M'53), Dept. Head, Electronics Dept., Monarch Marking System Co., 216 S. Torrence St., Dayton 3, Ohio. KERN, JOHN R. (A'56), Field Service Engr., Kollsman Instrument Co., 80-08 45 Ave., Elmhurst, L.I., N.Y. KERN, ROBERT D. (A'54), System Planning Engr., Creole Petroleum, Maracalbo, Venezuela. KERN, ROBERT H. (S'54-M'56), Electronics Engr., CBS Hytron, Endicott St., Danvers, Mass. KERN, HOMAS W. (M'57), Mem. Tech. Staff., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va. KERN, WILLIAM J. (S'55-M'58), Elec. Engr., Div. of Property Control & Construction, Dept. of Administration, State of North Carolina, Revenue Bidg., Raleigh, N.C.

- KERN, WILLIAM W. (S'51-A'55), Sr. Elec. Engr., Hoffman Electronics Corp., 3740 S. Grand Ave., Los Angeles, Calif.
- Angeles, Call.

 KERNAN, PAUL (M'55-SM'59), Project Engr., Bendix
 Radio, Towson 4, Md.

 KERNER, STANLEY J. (A'53-M'57), Sales Engr.,
 Rotary Devices Corp., 30 Jay St., Englewood, N. J.

 KERNER, THEODORE (S'54-M'56), Design Engr., Ford
 Instrument Co., 30-10 Thomson Ave., Long Island
 City, N.Y.
- City, N.Y.

 KERNEY, IDEN (SM'54), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.

 KERNEY, ROBERT W. (S'46-A'47-M'55), Cmdr., Head,
 Fuze Procurement & Engrg. Sect., Material Div., Bureau of
 Ordnance, Washington, D.C.

 KERNKAMP, CLARENCE F. (A'43), Mngt. Planner,
 Hughes Aircraft Co.. Box 5555, Tucson, Ariz.

 KERNS, GEORGE P. (A'55), Electronics Engr., Advanced
 Electronics Center, GE Co.. Ithaca. N.Y.

 KERNS, ROBERT L. (A'4B), Owner, Radio Service Co.,
 64B S. Montana St., Butte, Mont.

 KERNUS, ALLEN (S'57-M'59), Jr. Elec. Engr., Remington
 Rand Univac, 1900 W. Allegheny Ave., Philadelphia 32,
 Pa.

 KEROES, HERBERT L. (A'55), Pres., Chief Engr., Acm

- Pa.

 KERDES, HERBERT L. (A'55), Pres., Chief Engr., Acro
 Prods. Co., 369 Shurs Lane, Philadelphia 2B, Pa.

 KERR, ALEXANDER (M'50), Sr. Elec. Engr., Hufford
 Corp., 1700 E. Grand Ave., El Segundo, Calir.

 KERR, DAVIO W. (S'55-M'58), Asst. Engr., Westinghouse
 Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.

 KERR, DOMALD E. (S'36-A'39-V4'39), Assoc. Prof. Physics
 Dept., The Johns Hopkins Univ., Baltimore 1B, Md.
- Dept., The Johns Hopkins Univ., Baltimore 1B, Md. KERR, GEORGE O. (A'54), Box 617, Carleton Place, Ont.,
- Canada .
 KERR , GORDON L . (M'56) , Project Engr. , IBM , Poughkeepsie , N.Y .

- sie, N.Y.
 KERR, H. CHALMERS, JR. (S'51-A'52), Electronics Engr.,
 USN Electronics Lab., San Diego 52, Calif.
 KERR, JAMES L. (M'56), Elec. Engr., Computer Dept.,
 GE Co., Orange & Van Ness Sts., Tempe, Ariz.
 KERR, JAMES S. (S'48-A'51-M'56-SM'57), Mem. Tech.
 Staff, Space Technology Labs., 5500 E. El Segundo Blvd.,
 Los Angeles 45, Calif.

- Los Angeles 45, Calif.

 KERR, JOHN M., JR. (M'59), Supvy. Materials Engr.,

 Bureau of Ships, Washington 25, O.C.

 KERR, JOSEPH L. (M'55), Plant Mgr., Cook-Caribbean, Ltd.,

 26 Sackville St., Port of Spain, Trinidad, B.W. 1.

 KERR, RALPH L. (M'58), Oshawa Wireless Sta., Box 247,

 Oshawa, Ont., Canada.

 KERR, RONALD G. (S'57-A'58), Electronics Technician,

 Sperry Gyroscope Co., Roosevelt Fleld, Garden City, L.I.,

 N.Y.
- KERR, STANLEY A. (S'50-A'53-M'57), Sr. Engr., Airtron, Inc. Oiv., Litton Industries Inc., 5B73 Rodeo Rd., Los Angeles 16, Calif.
- Los Angeles 16, Calif.

 KERR, W. CORODN (A'5B), Tech. Operator, Calgary Power,
 Ltd., 140 1st. Ave., W., Calgary, Alta., Canada.

 KERR, WALTER B. (S'54-M'56), Fleid Engr., Hughes
 Aircraft Co., Culver City, Calif.

 KERR, WILLIAM (SM'5B), Prof., Nuclear & Elec. Engrg.,
 Univ. of Michigan, Ann Arbor, Mich.

 KERRIOGE, E. LAWRENCE (M'55), Tech. Instr., Ryerson
 Institute of Technology, 50 Gould St., Toronto, Ont.,
 Canada.

- KERR-WALLER, RUSI D. (M'48), Oesign Engr., Standard Telephone & Cables, Ltd., Oakleigh Rd., London, N. 11, England.
- Telephone & Cables, Ltd., Vakteign Rd., London, N. 11, England,
 KERSCH, CHARLES J. (M'56), Elec. Engr., Head, Programmer Group, Radar Lab., Ground Systems Div., Hughes Aircraft Co., Box 2097, Fullerton, Calif.
 KERSEY, JOSEPH A. (SM'5B), Suppy. Engr., Oept. of Defense, Washington 25, D.C.
 KERSEY, LORNE R. (M'50), Asst. Prof., Elec. Engrg., Univ. of British Columbia, Vancouver, B. C., Canada.
 KERSHAW, JAY A. (S'49-A'51-M'56), Suppyr., Digital Dev., Sperry Rand, Univac Div., St. Paul., Minn.
 KERSHNER, STEPHEN W. (A'43-M'55), Partner, A.D.
 Ring & Associates, 1032 Pennsylvania Bidg., Washington 4, D.C.
 KERSKE, JOHN F. (S'55-M'59), Test Engr., Minneapolis-Honeywell Regulator Co., 2753 4 Ave., S., Minneapolis B, Minn.

- KERSKE, JOHN F. (S'55-M'59), lest Engr., Minneapois-Honeywell Regulator Co., 2753 4 Ave., S., Minneapoils B, Minn. KERSTA, LAWRENCE G. (A'41-SM'45), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. KERSTER, GEORGE (M'56), Project Group Head, Hughes Alrcraft Co., Culver City, Calif. KERSTETTER, BLARR E. (S'57-A'5B), Asst. to Elec. Dev. Supvr., Pure Carbon Co., Inc., 441 Hall Ave., St. Marys, Pa.

- ra.

 KERTESZ, ZOLTAN J. (A¹5B), Jr. Project Engr., Nuclear Electronics Corp., 29 25 N. Broad St., Philadelphia, Pa. KERVER, NORMAN E. (A¹46), Flight Simulator Technician, United Air Lines, Inc., Stapleton Field, Oenver 7, Colo. KERWIEN, ARTHUR E. (A¹29-M¹40-SM¹43), Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.
- Mass.
 KERWIN, BRYAN D. (A'56), Mgr., Electronics Lab. Supvr.,
 U.S. Testing Co., Inc., 1415 Park Ave., Hoboken, N.J.
 KERWIN, EDWARO M., JR. (S'50-A'54-SM'57), Consultant, Bolt, Beranek & Newman, Inc., 50 Moulton St.,
 Cambridge 38, Mass.

- Cambridge 38, Mass.

 KERWIN, WILLIAM J. (A'53-SM'56), Supvy. Research Engr., Ames Research Center, Natl. Aeronautics & Space Administration, Moffett Field, Calif.

 KERZNER, NICHOLAS A. (S'49-A'50-M'56), Head, Publications Engro. Sect., Hazeltine Electronics Div., 59-25 Little Neck Pkwy., Little Neck, L.I., N.Y.

 KESER, OTTO A., II (M'56), Head, Prod. Dev. Dept., Internatl. Resistance Co., 2850 Mt. Pleasant St., Burlington, Iowa.

- IOWa.

 KESER, PAUL D. (A'57-M'5B), Electronics Dev. Engr.,
 Internati. Resistance Co., 2850 Mt. Pleasant St.,
 Burlington, Iowa.

 KESGEN, EDWARD W. (A'49-M'51-SM'58), Supvr., Environmental Test Sect., Kearfott Co., Inc., 1150 McBride Ave.,
 Little Falls, N.J.
- KESKINEN, ALLAN R. (A'44-M'45-SM'52), Chief Engr., Electronics Div., The Astatic Corp., Harbor & Jackson Sts., Conneaut, Ohio.

- KESNEY, EDWIN S. (A'56), Asst. Sales Mgr., Ace Engrg. & Machine Co., Tomlinson Rd., Huntington Valley 16,
- KESSEL, BENJAMIN (S'43-A'4B-M'54), Pres., Computer Control Co., Inc., Framingham, Macs

- KESSEL, BENJAMIN (S'43-A'4B-M'54), Pres., Computer Control Co., Inc., Framingham, Mass.
 KESSELMAN, MARTIN S. (4'5B), 5B14 Graves Ave., Encino, Calif.
 KESSELMAN, WARREN A. (A'52-M'57), Electronic Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 KESSINGER, HUGH E. (S'50-A'54), Sr. Engr., Sylvania Data Systems Operations, Needham, Mass.
 KESSLER, ALLEN (A'56), Microwave Technician, Polytechnic Research & Development Co., 202 Tillary St., Brooklyn 1, N.Y.
 KESSLER, BARRY I. (M'57), Design Engr., Computing Systems, RCA, Camden 2, N.J.
 KESSLER, C. William (A'53-M'5B), Computer Engr., Dept. Head, Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio.

- Ohio.

 KESSLER, FRANK (A'51), Pres., Frank Kessler Co., Inc., 41-45 47 5t., Long Island City 4, N.Y.

 KESSLER, FRANK L. (S'56-M'56), Asst. to Plant Engr., Belmont Aluminum Extrusion Co., 122B Belmont Ave., Philiadelphia 4, Pa.

 KESSLER, GEORGE W. (S'42-A'44-M'55), Engr., GE
 Co., Schenectady, N.Y.

 KESSLER, JOHN A. (SM'52), Staff Mem., MIT Lincoln
 Lab., Lexington 73, Mass.

 KESSLER, JOSEPH C. (A'54), Supt., Electronics, City of Shaker Hyts., 3400 Lee Rd., Shaker Hyts., Ohio.

 KESSLER, S. LAWRENCE (S'56-M'59), Elec. Engr.,
 Natl. Aeronautics & Space Administration, Langley Field, Va.
- va. KESSLER, SIDNEY (S'46-A'50-M'55), Electronics Engr., U.S. Information Agency, 330 Independence Ave., S.W., Washington 25, D.C. KESSLER, WILLIAM O. (S'50-A'51-M'5B), Elec. Engr., Sangamo Electric Co., 11 & Converse Sts., Springfield, III.
- KESTELL, OONALD L. (M'57), 211 Montego Or., Oanville,
- KESTENBAUM, AARON L. (M'54), Mgr., Advanced Device Dev., RCA Semiconductor & Materials Div., Somerville, N.J.
- KESTENBAUM, HOWARD S. (S'53-A'54), Sr. Engr., Kollsman Instrument Corp., B0-08 45 Ave., Elmhurst 73, L.I., N.Y.
 KESTER, ROBERT E. (A'45-SM'52), Tech. System Analyst, FAA, Natl. Aviation Facility Experimental Center, Atlantic City, N.J.
- KESTER, WILLIAM C. (S'54-M'56), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio. KESTER, GEORGE (M'5B), Pres, Atlas Transformer Co., Inc., 1739 Moore, San Diego, Callf. KETAY, MORRIS F. (SM'55), Engrg. Consultant, 19 Laurel Dr., Great Neck, L.I., N.Y. KETCHAM, ARTHUR R. (A'43-M'47), Engr., Owens-Illinois (Tech. Center), 1700 N. Westwood, Toledo, Ohio. KETCHAM, WILBUR R. (A'54), Owner, Wilbur R. Ketcham, Radio & TV Maint, W. Main St., Olcott, N.Y. KETCHLEDGE, RAYMOND W. (SM'57), Asst. Dir. of Switching System Dev., Dell Tel. Labs., Whippany, N.J.

- KETCHUM, JAMES R. (S'47-A'49-M'55), Sr. Engr., Minneapolis-Honeywell Regulator Co., 2753 S. 4 Ave., Minneapolis B, Minn.
- KETCHUM, PAUL M (M'46-SM'51), Mgr., Quality Control, LMED, GE Co., Utlca, N.Y. KETO, JOHN E. (A'3B-SM'46-F'48), Tech. Olr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

- Control, LMED, GE Co., Uklea, N.Y.
 KETO, JOHN E. (A'38–SM'46–F'48), Tech. Olr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
 KETT, LEON G. (M'5B), 18750 S. Vermont, Gardena, Calif.
 KETTERER, RALPH L. (M'54), Engr., WIIC-TV, Rising Main St., Pittsburgh 14, Pa.
 KETTERING, HAROLD V. (M'57), Mgr., Design Engrg., RCA, Somerville, N.J.
 KETTLER, ALFRED H. (SM'53), Administrator, Surface Communications Engrg., RCA, Canden, N.J.
 KETTLER, CHARLES L. (S'55–M'5B), Mem. Tech. Staff, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 KETTLER, EDWARD W., JR. (S'56–M'5B), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 KETTLET, ROBERT W. (S'49–A'52–M'57), Systems Engr., Computer Dept., GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.
 KETTLEWELL, JOHN (S'55–M'57), Staff Electronics Officer, Chief of Naval Air Advanced Training, USN, Naval Air Sta., Corpus Christi, Tex.
 KETTLEWELL, JOHN (S'55–M'57), Staff Electronics Dev. Engr., 1TT Labs., Nutley 10, N.J.
 KEVILL, JOHN F. (S'57–M'59), Lab. Engr., Allison Div., GMC, Indianapolis 6, Ind.
 KEVORKIAN, GEORGE (S'56–M'58), Fleid Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.
 KEY, BILL P. (M'55), Chief Engr., KOCO-TV, 63 & Portland, Oklahoma City, Okla.
 KEY, CARROLL L., JR. (A'48–M'55–SM'57), Asst. Dir., Prof., Engrs., Research, Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa.
 KEY, EDWIN L. (S'50–A'53), Chief, Ray, Palo Alto, Calif. KEYES, JOHN C. (M'49–SM'56), Engrs., Mar., Philoo Western Dev. Labs., 3875 Fablan Way, Palo Alto, Calif. KEYES, JOHN C. (M'49–SM'56), Engr., Mar., Philoo Western Dev. Labs., 3875 Fablan Way, Palo Alto, Calif. KEYES, JOHN C. (M'49–SM'56), Engr., Mar., Philoo Western Dev. Labs., 3875 Fablan Way, Palo Alto, Calif. KEYES, JOHN C., (M'55–M'58), 4516 Lacrh Lane, Bellaire 101, Tex.
 KEY, CARTON A. (S'50–A'53), Chief, Airways Tech. Field Office, FAA, Hangar 6, Washington Natl. Airport, Washington Natl. Airport, Washington Natl. Airport,

- KEYS, CARLTON A. (S'50-A'53), Chief, Airways Tech. Field Office, FAA, Hangar 6, Washington Natl. Airport, Washington, D.C.
- KEYS, DDN D. (A'48), Chief, Equipment Design Sect., White Sands Signal Corps Agency, White Sands Proving Ground, N. M.
- KEYSER, A. RICHARD, JR. (S'56-M'58), Assoc. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9,

- KEYSER, GRAHAM M. (A'55), Research Engr., Omtario Hydro, 620 University Ave., Toronto, Ont., Canada. KEYSER, JOHN H., JR. (SM'55), Group Supvr., Jet Propulsion Lab., 4800 Odk Grove Dr., Pasadena, Calif. KEYSER, KENNETH E. (A'54), Field Engr., Tektronix, inc., Box 831, Portland 7, Ore. KEYSER, ROBERT W. (S'54-M'57), Resident Engr., Ford Motor Co., 2 Steward St., Yosilanti, Mich. KEY-TEJERA, EDWARD G. (A'56), Engr., Officina Technica Bernardo Novel Ings., Box 4307 Este, Caracas, Venezuela. KEZER, CHARLES F. (S'37-A'42-M'47), Engr., Fairchild Camera & Instrument Corp., 5 Aerial Way, Syosset, L.I., N.Y.

- L.I., N.Y.

 KHALIL, ANIS Y. (A'57), Chief, Wireless Dept., Post.,
 Telegraph & Telephone Administration, Box 70, Kuwait.
 KHAMBATA, ADI J. (A'50), Engr., Design Standards,
 Remington Rand Univac, St. Paul 16, Minn.
 KHAMBATY, MOIZ B. (S'57-M'58), Design Elec. Engr.,
 Datamatic biv., Minneapolis-Honeywell Regulator Co.,
 151 Needham St., Newton Highlands, Mass.
 KHAN, ASADULLA R. (M'55), Chief Instr. & Head of Dept.
 of Radio & Electronics, Central Institute of Tech. Education,
 Govt. of Pakistan, Karachi, Pakistan.
- Govt. of Pakistan, Karachi, Pakistan.

 KHAN, FERDZ A. (M'56), Inspector, Radio & Elec. Service, Aircraft Civil Aviation Dept., 5/133 Karachi Airport, Karachi, Pakistan.

 KHAN, FRANK R. (A'54), Specification Engr., Delco Radio Div., GMC, 700 E. Firmin St., Kokomo, Ind.

 KHAN, FRANK R. (A'56), Specification Engr., Delco Radio Div., GMC, 700 E. Firmin St., Kokomo, Ind.

 KHAN, GHAWAM M. (A'56-M'57), Sr. Engr., ITT Labs., Nutley 10, N.J.

 KHIN, MAUNG A. (A'57), Asst. Engr.,—In-Chg., Studio Burma Broadcasting Service, 28 Windermere Crescent, Rangoon, Burma.

 KHOURI, ALFRED S. (S'42-A'45-M'53), Chief Prod. Engr., Packaged Electronic Circuits, Centralab. 900 E. Keefe Ave., Milwaukee 1, Wis.

 KHOURY, NICHOLAS (S'49-A'51-M'54), Components Engr.

- Milwaukee 1, Wis.

 KHOURY, NICHOLAS (S'49-A'51-M'54), Components Engr., Hughes Research & Development Labs., Culver City, Calif. KHU, ERIC B. C. (S'51-A'53-M'59), Engr., Westinghouse Elec. Coror., Box 1897, Baltimore 3, Md.

 KIAFFAS, GEORGE Z. (A'56), Radio Technician, Voice of America, Box 134, Salonika, Greece.

 KIBBEY, MEAD B. (A'57), Owner, Kibbey Instrument Co., Box 50, Perkins, Calif.

 KIBBY, JAMES R. (S'49-A'51), Design Engr., Crosley Div., Avco Mfg. Corp., Cincinnati 15, Ohio.

 KIBLER, LAWRENCE S. (S'54-M'57), Flight Test Equipment Engr., Douglas Aircraft Co., 3000 Ocean Park, Santa Monica, Calif.

 KIBLER, LYNDEN U. (S'56-M'57), Mem. Tech. Staff. Bell

- Monica, Cair.

 MiBLER, LYNDEN U. (S'56-M'57), Mem. Tech. Staff, Bell
 Tel Labs., Holmdel, N.Y.

 KIBLER, PAUL J. (S'35-A'3B-VA'39-SM'50), Mem. Tech.

 Staff, Hughes Aircraft Co., Culver City, Calif.

 KIBLINGER, WILLIAM H. (A'51-M'57), Electronics Tech
 nician, Dept. of the Army, Transmitting Sta., Woodbridge,
 Va.

- Va.

 KICIAK, CHESTER J. (A'53), Owner, Seekay TV &
 Appliances, 136 Cass St., Woodstock, III.

 KICKLER, EDGAR M. (A'47), Mgr., Electronics DIv., Shaw
 Distributing Co., 205 W. 1st St., Charlotte 1, N.C.

 KIDA, YUKIHIRO (A'57), Shift Engr., Kokusai Denshin
 Denwa Co., Marunouchi, Chiyoda-ku, Tokyo, Japan.

 KIDD, ALAN T. (M'53), Systems Engr., Daniel, Mann,
 Johnson & Mendenhall, 3325 Wilshire Blvd., Los Angeles
 5, Calif.

- S, Calif.
 KIDD, DEANE E. (S'43-A'49-M'55), Dev. Engr., Tektronix, Inc., Box 831, Portland 7, Ore.
 KIDD, EARL W. (A'59), Mech. Engr., Melpar, Inc., 3000
 Arlington Blvd., Falls Church, Va.
 KIDD, GEORGE B. (A'36-VA'39-M'55), Electronics Engr.,
 USAF, Wright-Patterson AFB, Ohio.
- KIDD, LARRY G. (M'58), Dev. Engr. B, Aerojet Gent. Corp., Box 1168, Sacramento, Calif.
- KIDD, LEWIS H. (SM'56), Group Engr., Convair, Ft. Worth,

- Tex.

 KIDD, MARSHALL C. (SM'53), Group Leader, Electronic Data Processing Dept., RCA, Camden 2, N.J.

 KIDD, ROBERT A. (A'55), Test Engr., B.H. Hadley, Inc., 1427 S. Garey, Pomona, Calif.

 KIDD, THORNTON L. (A'42-M'51), Owner-Mgr., Western Auto Supply Store, 1506 Draper, Kingsburg, Calif.

 KIDD, WESLEY E. (A'42-M'48-SM'49), In Chg., Production Reliability Customer Quality. Motorola, Inc., 4501

 Augusta Blvd., Chicago, III.
- KIDDER, HOWARD F. (M'54), Design Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis

- 1.3, Minn,

 KIDDER, MILLARD S. (A'57), Engr., Tech. Publications, HMED, GE Co., Syracuse, N.Y.

 KIDDER, RICHARD T. (A'57), Electronics Operation Maint., USAF, Rte. 2, Box 201, Crannell, Calif.

 KIDWELL, EDWARD W., JR. (S'53-A'53), Electronics Design Engr., Crosley Div., Avco. Mg. Corp., 1329

 Arlington St., Cincinnati 25, Ohio.

 KIDWELL, NORMAN E. (M'53), Consulting Engr., 6 Middle Dr., Windsor Locks, Conn.

 KIDWELL, WALTER M. (A'47-SM'53), Dir., Standards Lab., Airesearch Mig. Div., Garrett Corp., 402 S.36

 St., Pheonix, Ariz.

- KIEBACH, CLYDE D. (A'54), 3716 Valley Dr., Alexandria,

- KIEBACH, CLYDE D. (A'54), 3716 Valley Dr., Alexandria, Va.

 KIEBERT, MARTIN V., JR. (A'31-M'3B-SM'43-F'59), Consulting Engr., Electronic Research Corp., 305 W. Foothill Blvd., Claremont, Calif.

 KIEBLER, JOHN W. (M'57), Electronics Circuit Design, Johns Hookins Univ., Silver Spring, Md.

 KIEBURTZ, R. BRUCE (A'52-M'57), Research Engr., Boeing Airplane Co., Box 3925, Seattle, Wash.

 KIEFER, CHARLES F., JR. (S'43-A'46-M'55), Sr. Engr., Radioplane Co., Box 392, Holloman AFB, N. M.

 KIEFER, JACOB C. (M'46-SM'56), Chief Engr., Electro-Mechanical Systems, The Seeburg Corp., 1510 N. Dayton St., Chicago 22, Ill.

 KIEFFER, ELVEN W. (S'57-A'57), Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N. M.

 KIEFFER, GEORGE H., JR. (S'53-A'53), Electronics Technician, C.G. Conn., Ltd., 1101 E. Beardsley Awe., Elkart, Ind.

 KIEL, JORDON H. (A'54), Sr. Engr., Airbome Instrument
- KIEL, JORDAN H. (A'54), Sr. Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

KIELY, DENIS J., JR. (A'52-S'57-M'57), Instr., San Jose State College, 7 & San Fernando, San Jose, Calif. KIENAST, DDNALD J. (A'58), Sr. Research Technician, Electronic Specialty Co., 5121 San Fernando Rd., Los Angeles 39, Calif.

- 246 -

- KIENE, RICHARD C. (S'56-M'57), Research Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis, Minn.
- KIENKER, JAMES E. (S'49-A'49-M-55), Chief Engr., Projects Unlimited, Inc., 1926 E. Siebenthaler Ave., Dayton
- 14, Onio.
 KIENZLE, HARVEY G. (S'53-A'54), Mem. Tech. Staff, Bell Tel Labs., Murray Hill, N.J.
 KIERNAN, EARL F. (J'22-A'24-SM'46), Design Specialist, Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
- KIERNOZYCKI, LEON (A'58), Leader, Microwave Antennas & Propagation Group, Przeystowy Instytut Telekomunikacji, ul. Poligonowa 30, Warszawa, Poland.
- KIERSTEAD, FRIEND H., JR. (M'57), Engrg. Specialist, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15,
- KIERULFF, CHARLES T. (SM'59), Pres. & Genl. Mgr., Kierulff Electronics, Inc., 820 W. Olympic Blvd., Los Angeles 15, Calif.
- Angeles 15, Calif.

 KIESEL, RICHARD H. (S'55-M'60), Semiconductor Applications Engr., Litton Industries, Inc., 10916 W. Washington Blvd., Culver City, Calif.

 KIESELBACH, RICHARD (A'47-M'55), Research Assoc., E. I. du Pont de Nemoure & Co., Inc., Wilmington, Del.

 KIESHAUER, FREDERICK W. (A'53-M'55), Mgr., Magnetic Lamination Sales, Allegheny Ludlum Steel Corp., Oliver Bidg., Pittsburgh 22, Pa.

 KIESLICH, WALTER G. (M'56), Besearch Fong., Leeds & KIESLICH, WALTER G. (M'56), Besearch Fong.
- Oliver Bldg., Pittsburgh 22, Pa.

 KIESLICH, WALTER G. (M'56), Research Engr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.

 KIESLING, JOHN D. (S'50-A'55), Assoc. Elec. Engr., Brookhaven Nætl. Lab., Upton, L.1., N.Y.

 KIESLING, PAUL W., JN. (A'52-M'58), Sr. Engr., Raytheon Mfg. Co., Wayland, Mass.

 KIESSLING, CHARLES E., JR. (S'52-A'55), 206 W. Lincoln Hwy., New Haven, Ind.

 KIESSLING, CHARLES E., JR. (S'52-A'55), Rem. Tech. Staff, Bell Tet. Labs., Whippany, N.J.

 KIESSLING, GEORGE A. (A'52-M'56), Mgr., Engrg. Standards & Services, Industrial Electronic Prods. RCA, Camden 2, N.J.

- KIESSLING, ROBERT C. (S'47-A'51-M'56), Sr. Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.
- KIETZER, JAMES E. (S'53-A'54), Assoc. Elec. Engr., Amour Research Foundation, Technology Center, Chicago Amour .
- 16, III.

 KIEVES, JULIUS K. (A'56), Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 Great Neck, L. I., N. Y.

 KIEVIT, BEN (M'34-SM'43), Mgr., Sales Engrg., Sylvania Elec., Prods., Inc., 1740 Broadway, New York 19, N. Y.

 KIEWLICZ, FRANCIS A. (S'54-M'59), Engr., Hycon Eastern, Inc., 75 Cambride Pkwy., Cambridge, Mass.

 KIGER, LLOYD L. (A'47-M'59), Sr. Design Engr., Bendix Aviation Corp., York, Pa.

 KIHCHEL, OLIVER D. (A'38-VA'39-M'46), Prop., Kihchel Communication Service, Box 618, Woodlawn Rd., R. D. 2, Jeannette, Pa.

- KIHERI, ALLAN (M'59), Project Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago, III. KIHN, HARRY (A'38-SM'47), Research Engr., RCA Labs., Princeton, N. J.
- Frinceton, N. J.
 KIICHLI, JEFFERY A. (M'47), Chief Engr., Sta. KGHL,
 S Ave. & N Broadway, Billings, Mont.
 KIKOSHIMA, RAY T. (S'53-A'55), Applications Engr.,
 Fairchild Semiconductor Corp., 844 Charleston Rd., Palo
 Alto, Calif.
 KIKA DOMAND D. (1965)

- Alto, Calif.

 KIKTA, DONALD D. (A'55), Engr., Grayhill, Inc., 561 Hillgrove Ave., La Grange, III.

 KIKTA, EDWARD J. (S'50-A'51-M'56), Engr., Westinghouse Etec. Corp., Box 1468, Pittsburgh 30, Pa.

 KIKTA, JOHN M. (A'53), Engr., Grayhill, Inc., 561 Hillgrove Ave., La Grange, III.

 KIKTA, MARK S. (A'59), Antenna Design Engr., Grumman Aircraft Engrs. Corp., Bethpage, L. I., N.Y.

 KILBRITH, DONALD W. (A'56), AM-FM Broadcast Sales Rep., RCA, 2250 1st Ave., 5. Seattle 4, Wash.

 KILBURN, ALBERT B. (A'52-M'56), Computer Design Engr., Institute For Computer Research, 5630 S. Ellis Ave., Chicago 37, III.

 KILBY, JACK S. (S'41-A'48-M'55), Sr. Project Engr..
- KILBY, JACK S. (S'41-A'48-M'55), Sr. Project Engr., Texas Instruments, Inc., 13500 N. Central Expressway Dallas, Tex.

- Dallas, Tex.

 KILCHENMAN, LOUIS L. (A'57), Electronics Engr., Hughes Aircraft, Culver City, Calif.

 KILCHENMANN, KLAUS (M'58), Pres., Radio Kilchenmann, Ltd., Muenzgraben 4, Bern, Switzerland.

 KILCOYNE, MICHAEL K. (M'57), Storage Tube Design Engr., Westinghouse Electronic Tube Div., Box 284, Elmira, N. Y.
- ra, N. Y.
 KILCREASE, DANA L. (A'54), Mfg. Engr. & Plant Engr.
 Mgr., IBM, Poughkeepsie, N. Y.
 KILCREASE, EDWARD F. (M'57), Engr., Elec. Dept.,
 City of Lubbock, Lubbock, Tex.
- KILDAY, JOHN C., 111 (S'57-M'59), Elec. Engr., RCA, Camden, N. J.

- Camden, N. J.

 KILE, FREDERICK O., JR. (S'55-M'58), Engr., Consolidated Engro. Co., B07 13 Ave., S., Minneapolis B, Minn. KILE, RICHARD L. (A'41-M'47), Mktg., Govt. Equipment Div., Raytheon Mfg. Co., West Newton, Mass.

 KILEY, WARREN P. (M'58), Electronics Scientist, David W. Taylor Model Basin, Washington 7, D. C.

 KILEY, WILLIAM H., JR. (S'51-A'52-M'57), Customer Engr., IBM, Home: 922 Marlau Dr., Baltimore 12, Md.

 KILGDRE, G. ROSS (A'30-M'40-SM'43-F'57), Mgr., Applied Research Dept., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 KILGDRE, WINFIELD (S'46-A'48-M'55), Prod. Engr.

- 746, Baltimore 3, Md.
 KILGORE, WINFIELD (S'46-A'4B-M'55), Prod. Engr.,
 Sylvania Elec. Prods., Inc., Altoona, Pa.
 KILHAM, L., F., JR. (M'53-SM'55), Chief Engr., Transformer Div., Raytheon Mfg. Co., Waltham, Mass.
 KILHAM, ROBERT E. (SM'56), Sr. Engr., Natl. Co.,
 Sherman St., Malden, Mass.
 KILHEFFER, LAWRENCE D. (A'31-VA'39-SM'4B), Project Engr., Elec. Engr., Dept., Natl. Cash Register Co.,
 Main & K Sts., Dayton 9, Ohio.

- KILIAN, DONALD J. (S'58-A'58), Elec. Test Technician, Chrysler Cop., Detroit, Mich. KILIAN, LAWRENCE H. (A'45), Chief Administrative Engr., Avien, Inc., 58-15 Northern Blvd., Woodside 77, L. I., N. Y.
- N. Y.

 KILIMAN, DONALD R. (S'57-M'58), Jr. Engr., AC Spark
 Plug Div., GMC, 1925 E. Kenilworth, Milwaukee 2, Wis.

 KILLIAN, THOMAS J. (A'47-SM'47-F'51), Deputy Chief
 & Chief Scentist, Office of Naval Research, Washington
 25, D. C.
- 25, D. C.

 KILLION, DERLING G. (S'49-A'52-M'577), Research Engr., Lockheed Aircraft Corp., Sunnyvale, Calif.

 KILLION, RICHARD H. (A'48-M'55-SM'55), Sr. Design Engr., Electronics Div., Westinghouse Elec. Corp., Box 746, Baltimore, Md.

 KILMER, DONALD E. (A'56), Lt., U. S. Arny, Commanding Officer, Hgrs. Co., Hgrs. 9th Signal Bn., Ft Carson, Colo.

- KILMER, FRANK G. (M'56), Elec. Engr., IBM, Military Prods., Owego, N. Y.

- KILMER, FRANK G. (M'56), Elec. Engr., IBM, Military Prods., Owego, N. Y.

 KILMER, ROBERT E. (S'57-M'58), Box 6814, College Sta., Tex.

 KILMER, THERON W. (A'57), Wendell Kilmer, 199 Atlantic Ave., Hempstead, L. I., N. Y.

 KILMER, WILLIAM L. (S'54-M'56), Prof., Elec. Engr., Montana State College, Bozeman, Mont. KILPATRICK, DAVID D. (S'54-M'56), Lt., Cmdr., USN, Avionics Div., Bureau of Aeronautics, Washington, D. C.

 KILPATRICK, DAVID G. (A'50-M'54-SM'57), Staff Engr., Genl. Atronic Corp., 1 Bala Ave., Bala-Cynwyd, Pa.

 KILPATRICK, H. BENLAMIN (A'55), Chief Engr., WSYE-TV, Hawley Hill, Elimiza, N. Y.; Central New York Broadcasting Corp., 224 Harrison St., Syracuse, N. Y.

 KILPATRICK, HUGH N. (A'53-M'59), Electronics Engr., Librascope, Inc., 80B Western Ave., Glendale, Calif. KILPATRICK, LEROYE. (SM'56), V. P., WSAZ, Inc.,
- KILPATRICK, LEROY E. (SM'56), V.P., WSAZ, Inc., Huntington 18, W. Va.
- KILPATRICK, WILLIAM M., JR. (S'54-M'56), Planning Engr., Western Electric Co., 555 Union Blvd., Allentown, Pa.
- Engr., Western Electric Co., 555 Union Blvd., Allentown, Pa.

 KILPINEN, ROY M. (A'49-M'56), Research Engr., Douglas Aircraft Corp., El Segundo, Calif.

 KILROY, HENRY P. (S'54-M'56), Elec. Engr., Concord Control, Inc., 1282 Soldiers Field Rd., Boston 35, Mass.

 KILROY, J. W. (S'49-A'51-M'52), Sales Engr., Neal Bear Corp., 3435 Streetsboro Rd., West Richfrield, Ohio.

 KILROY, JAMES J. (SM'57), Sr. Project Engr., Holfman Labs. Div., 3740 S. Grand, Los Angeles, Calif.

 KILSHEIMER, RALPH L. (M'56), Design & Dev. Engr., Hazeltine Electronics Corp., Little Neck, L.I., N.Y.

 KILTIE, ROPEAN (M'52), Pres. & Dir. of Engr., Ballastran Corp., 1701 N. Calhoun St., Ft. Wayne 7, Ind.

 KILTZ, RICHARD M. (M'58), Project Engr., Sperry Utah Éngrg. Lab., 322 N. 2100 W., Salt Lake City, Utah.

 KIM, BERNARD (S'57-M'58), Elec. Engr., Hughes Aircraft Co., Box 90426, Los Angeles 45, Calif.

 KIM, JOHN C. S. (4'54), Engr., GE Co., Syracuse, N.Y.

 KIM, KAP S. (S'56-M'58), Jr. Engr., Bendix Radio Div., Baltimore 4, Md.

 KIM, KYR R. (M'58), Tong Myung & Co., 77 2nd Chong

- KIM, KYO R. (M'58), Tong Myung & Co., 77 2nd Chong Ro, Seoul, Korea.
- KIM, MYONG KI (A'58), R.O.K. Naval Academy, Chin Hea,
- KIM, MYDNG KI (A'58), R.U.K. Naval Academy, Chin Hea, Korea.

 KIM, PETER K. S. (A'51-M'57), Electronics Engr., U. S. Naval Ordnance Test Sta., China Lake, Calif.

 KIM, WAN H. (S'55-M'57), Assoc. Prof., Elec. Engrg. Dept., Columbia Univ., New York G7, N.Y.

 KIM, YOUNG C. (M'57), Asst. Tech. Mgr., Photo Sensitive Research, Allen B. DuMont Labs., 750 Bfoomfield Ave., Clifton, N.J.
- Research, Allen B. DuMont Labs., 750 Bloomfield Ave., Clifton, N.J.

 KIM, YOUNG S. (A'46-M'55), Group Leader, Operational Test Dept., Raytheon Mfg. Co., Waltham, Mass.

 KIMBALL, CHARLES N. (A'34-M'40-SM'43-F'52), Pres., Midwest Research Institute, Kansas City, Mo.

 KIMBALL, DEAN E. (SM'59), Assoc. Prof., Elec. Engrg., Antloch College, Yellow Springs, Ohlo.

 KIMBALL, EDMUND W. (A'42-SM'53), Pres., Kimball Electronics, Inc., 2921 N.W. 6 Ave., Miami 37, Fia.

 KIMBALL, EDMUND W. (A'42-SM'53), Electronics Scientist, U.S. Naval Ordnance Lab., Corona, Calif.

 KIMBALL, GENED L. (S'56-M'59), Electron Tube Div., RCA, 224 N. Wilkinson St., Dayton 2, Ohlo.

 KIMBALL, GEORGE S. (S'54-M'56), Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 KIMBALL, JACK A. (S'58-M'59), Research Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 KIMBALL, JAMES A. (S'55-M'57), 10D5 E. 60 St., Chicago 36, III.

 KIMBALL, JAMES A. (S'55-M'57), Tops E. 60 St., Chicago 36, III.

 KIMBALL, JAMES A. (S'55-M'57), Sondia Sondia Corp., Secialist, Kintel, 5725 Kearmy Villa Rd., San Diego, Calif.

 KIMBALL, JAMES A. (S'58-Kearmy Villa Rd., San Diego, Calif.

- Calif.

 KIMBALL, JOHN J. (M'58), Sr. Electronics Engr., Philoc Cop., 416 Southwest Dr., Silver Spring, Md.

 KIMBALL, LEIGH L. (A'50-M'55), Project Engr., Westinghouse Elec. Cop., Box 746, Baltimore 3, Md.

 KIMBALL, LLOYED R. (A'53-M'58), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 KIMBALL, MAURICE A. (A'57), Pres., The Maurice A. Kimball Co., Inc., 2550 Beverly Bivd., Los Angeles 57, Calif.
- KIMBALL, VERNON L., JR. (M'45-SM'5B), Project Mgr., White Sands Proving Ground, RCA Service Co., Camden B, N.J.

- B, N, J.

 KIMBALL, WILLIAM H. (S'56-A'57), Radician, Federal
 Electric Corp., Lodi, N, J.

 KIMBARK, EDWARD W. (M'45), Dean, School of Engrg.,
 Seattle Univ., Seattle 22, Wash.

 KIMBELL, GLENN D. (A'49), TV Technician, Sherman
 Clay & Co., 101 E. 37d Ave., San Mateo, Calif.

 KIMBERLIN, DONALD E. (A'5B), Asst. Chief Engr., Hoilday
 Isles Broadcasting Co., WILZ, 7500 Bola Clega Dr., St.
 Petersburg Beach, Fla.

 KIMBERLIN, HARPEDT D. (MISS), Technician, Midment.
- KIMBERLY, HARBERT D. (M'56), Technician, Midwest Radio-TV, Inc., WCCO-Radio, 3237 Coon Rapids Blvd., Anoka, Minn.
- KIMBLE, CREIGHTON B. (S'49-A'51-M'56), Elec. Engr., Stavid Engrg., Inc., U. S. Hwy. 22, Plainfield, N.J.

KIM-KIN - 247 -

- KIMBREL, G. MAX (A'45-M'46), Genl. Mgr., WGTO, Cypress Gardens, Fla.

 KIMBROUGH, WOODARD R. (S'50-A'52), c/o Mrs. J. H. Kimbrough, Ethel, Miss.

 KIMCHE, SOLLY (M'5B), Head, Electronics Lab., Israel Defense Forces, Ministry of Defense, Israel.

 KIME, JOSEPH M. (A'47-M'55), Physicist, B. F. Goodrich Research Center, Brecksville, Ohio.

 KIME, KENNETH L. (M'55), Electronics Systems Engr., Lockheed Missile & Space Div., 7701 Woodley Ave., Van Nuys, Calif.
- Valinus, Call '48-M'55), Mgr., Projects Tech., Support Operation, Missile Ordnance Systems Dept., GE Co., 319B Chestnut St., Philadelphia, Pa.
- CINESTING ST., PUBLISHED A. P.A.
 KIMES, RICHARD E. (S'49-A'51), Dev. Engr., Beckman Instruments, 2200 Wright Ave., Richmond, Calif.
 KIMES, RUSSELL A. (SM'55), Dir., Genl. Engrg. Labs., American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn.
- KIMLINGER, JOSEPH A. (S'54-A'55), Asst. Design Engr., Remington Rand Univac, St. Paul 4, Minn.

- Remington Rand Univac, St. Paul 4, Minn.
 KIMME, FRNEST G. (M'57), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.
 KIMMEL, EDWARD J. (A'54), Research Engr., 2061 Easten Pkwy., Louisville 4, Ky.
 KIMMEL, HERBERT E. (A'57), Elec. Draftsman, Genl.
 Tire & Rubber Co., Englewood Ave., Akron, Ohio.
- KIMMEL, JOSEPH (M'56), Engrg. Leader, RCA, Camden,
- KIMMEL, L.D. (A'42-M'57), Sales Mgr., RCA, Harrison,
- N.J.
 KIMMEL, ROBERTO. (S'51-A'52-M'56), Application & Sales Engr., Raytheon Mfg. Co., 5236 Santa Monica Blvd., Los Anoeles 29, Callf.
 KIMMELL, HARMAN W. (A'59), Field Engr., TechRep Div., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
- KIMMELL, RDBERT G. (M'57), Sect. Chief, Field Engrg. Western Electric Co., Chatham Rd. Plant, Winston-Salem, N.C.

- Salem, N.C.

 KIMD, HARRY D. (SMIS6), Teth. Consultant, Pallietic
 Missile Div., Burroughs Corp., Paoli, Pa.

 KIMSPLE, KENNETH M. (S'55-M'59), Test Engr., Lockheed Aircraft Corp., Sunnyvale, Calif.

 KIMURA, ALBERT M. (S'55-M'57), Asst. Elec. Engr.
 U.S. Army Ballistic Missile Agency, Redstone Arsenal, Ala.

 KIMURA, FREDERICK S. (S'56-M'59), Engr., Western
 Electric Co., 555 Union Blvd., Allentown, P.

 KIMURA, RDKURO (M'5B), Engrg. Doctor, Chief Tech.
 Bureau, Yomlivir TV Broadcasting, 2 Chome. Iwal-Cho,
 Osaka, Japan.

 KIMAGA THDMAS (S'4B-A'50-M'55-SMI59), Mem. Tech.

- Bureau , Yomiuri TV Broadcasting , 2 Chome . Iwal-Cho , Osaka , Japan.

 KINAGA , THDMAS (S'4B-A'50-M'55-SM'59) , Mem . Tech , Staff , Hughes Aircraft Co. , Culver City , Calif .

 KINAMAN , EUGENE W . (M'51) , Application Engr. , Microwave Tube Engrg . RCA , Harrison , N. J.

 KINARIWALA , BHARAT K . (S'54-M'56) , Mem . Tech .

 Staff , Bell Tel . Labs . , Murray Hill , N. J.

 KINASE , MATSUNAGA (SM'57) , Prof . , Chiba Tech . College , 1916, 7-chome , Yatsumachi , Marashinoshi , Chiba , Japan .

 KINBACK , RDBERT W . (S'57-M'59) , V. P. , W . L . Kinback & RDBERT W . (S'57-M'59) , V. P. , W . L . Kinback & Son , Inc. , 1415 Electric St . , Dummore 9 , Pa .

 KINBERG , CAI D . L . (A'54) , Research Engr. , IBM , Zurichstrasse JOB , Adliswill/Zh , Switzerland .

 KINCAID , NILAN L . (S'54-A'55) , Engr. , Norair Div. , Northrop Corp. , Hawthome , Calif .

 KINCAID , WILLIAM B , JR . (M'577) , I.F . Transformer Prod . Line Mgr. , Aladdin Electronics , 704 Murfreesboro Rd . , Nashville , Tenn .

 KINCHEL DE , WILLIAM R , JR . (S'50-A'51-M'56-SM'56) , Research Engr. & Andi-Line .

- KINCHELDE, WILLIAM R., JR. (S'50-A'51-M'56-SM'56), Research Assoc., Applied Electronics Lab., Stanford Univ., Stanford, Calif.

- Research Assoc., Applied Electronics Lab., Stanford Univ., Stanford, Calif.

 KIND, DALE E. (M¹56), Sr. Engr., The Ramo-Wooldridge Corp., 573D Arbor Vitae St., Los Angeles 45, Calif.

 KIND, DNALD E. (S¹57-M¹57), Electronics Engr., Packard Bell Co., 2341 Michigan Ave., Santa Monica, Calif.

 KINDALL, EDWARD W. (S¹49-A¹51-M¹58), Electronics Engr., Naval Torpedo Sta., Keyport, Wash.

 KINDBERG, EDMUND V. (S¹52-A¹54-M¹58), Mem. Tech.

 Staff, Bell Tel. Labs., Whippany, N. J.

 KINDELL, F. E. (S¹50-A¹51-M¹56), Engr., U. S. Govt., Box 25, Navy 3923, FPD, San Francisco, Calif.

 KINDER, HAROLD R. (S¹49-A¹50-M¹55), Electronics Design Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa.

 KINDIG, NEAL B. (S¹56-M¹58), instr., Elec. Engrg. Dept., Univ. of Colorado, Boulder, Colo.

 KINDRED, RAYMOND L. (S¹50-A¹50), Engr., Phillips Petroleum Co., 1D5 N. Dewey, Bartlesville, Okla.

 KINDT, DONALD H. (S¹53-M¹57), Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena 3, Calif.

 KINDT, NOEL O. (S¹55-M¹56), Elec. Engr., Design, Bendix Missile Div., 40D S. Beiger St., Mishawaka, Ind.

 KINER, LARRY F. (A¹57), Production & Material Control Supwr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.

 KINGR, LARRY F. (A¹57), Production & Material Control Supwr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.

 KINGR, LABERT D. (A¹42-M¹55), Pres. & Treas., Albert D. King, Inc., 27 Main St., Northamoton, Mass.

- Supvi., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.
 KING, ALBERT D. (A'42-M'55), Pres. & Treas., Albert D. King, Inc., 27 Main St., Northampton, Mass.
 KING, ALDEN F. (A'51), Electronics Technician, Naval Research Lab., Washington 25, D. C.
 KING, ARCHIE P. (A'30-SM'45), Mem. Tech. Staff, Bell Tel. Labs., Box 107, Red Bank, N.J.
 KING, ARNO M. (A'50-M'55), Electronics Scientist, Naval Research Lab., Washington 25, D. C.
 KING, BOYD (A'55), Electronics Engr., Maryland Radio Telephone Service, Prince Frederick, Md.
 KING, BUFDRD G. (M'59), Assoc. Research Engr. "A", Boeing Airplane Co., Seattle, Wash.
 KING, BUFTON H. (M'59), Contract Engr., Cornell Design, 580 Patterson Ave., East Rutherford, N.J.
 KING, C. JACK (M'5D), Maint. Supvr., WTVT-TV, 3213 Grand Central, Tamoa, Fla.
 KING, C. JERRY (S'51-A'53-M'58), Sect. Supvr., Sandia Corn., Sandia Base, Albuquerque, N. M.
 KING, CARL M. (S'57-A'57), Engr., Sast., Canadair, Ltd., Laurentian Blud., Montreal, P. Q., Canada.
 KING, CARY J., JR. (A'30-VA'39-SM'50), Dir., Lab. Services, RCA Labs., Princeton, N.J.

- KING, CHARLES N. (S'51-A'54-M'59), Engr., Western Electric Co., 220 Church St., New York 13, N.Y. KING, CLAUDE F. (M'53), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles, 45, Calif. KING, CLAUDE G., JR. (M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif. KING, DAVID W. G. (M'57), Engr., All America Cables & Radio, Inc., Casilla 2336, Lima, Peru. KING, DONALD D. (M'46-SM'57-F'59), V.P., Research, Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

- onium, Md.
 KING, DONALD L. (A'54), Research Engr., Hughes Aircraft
 Co., Internati. Airport Sta., Los Angeles, Calif.
 KING, E. SCOTT (M'57), Electronics Engr., FAA, Washington 25, D. C.
 KING, EDWARD (S'57-M'59), 11650 Gorham PI., Los
- Angeles 49. Calif.
 KING, EDWARD J., JR. (SM'54), Pres., Communication
 Assessories Co., HWY. 50 & 71 By-Pass, Lee's Summit,
 Mo.
- KING, EDWIN E. (S'57-M'59), Box 1032, Sta. 1, Falls

- KING, EDWIN E. (S'57-M'59), Box 1032, Sta. 1, Falls Church, Va.
 KING, ELLIS F. (M'48-SM'52), Assoc. Prof., Univ. of California, 405 Hilgard Ave., Los Angeles 24, Calif.
 KING, ELLWOOD J. (4/47-M'54), 5r. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
 KING, ERNEST N. (S'49-A'51-M'57), Head, Prod. Design & Dev. Sect., Hughes Aircraft Co., Culver City, Calif.
 KING, EUGENE (M'59), Project Engr., RCA, Camden, N. J.
 KING, EUGENE (S'51-A'55), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
 KING, FRANCIS E. (S'55-M'55), Engr., GE Co.,
 Schenectady 5, N.Y.
 KING, FRANCIS H. (A'44-M'55), Mgr., Gas & Electric Dept., 70 Suffolk St., Holyoke, Mass.
 KING, FRANCIS N. (A'55-M'55), Chief Engr., FBIS Sect.,
 U.S. Govt., Box 1292, Santa Rosa, Calif.
 KING, FRANK (SM'43), V. P. & Treas., Amy, Aceves, & King, Inc., 11W. 42 St.. New York 36. N. Y.
 KING, FRANK (SM'43), V. P. & Treas., Amy, Aceves, & King, Inc., 11W. 42 St.. New York 36. N. Y.
 KING, FRED N. (M'56), Systems Engr., GE Co., Johnson City, N. Y.

- City, N.Y.

 KING, FREDERICK H. (A'4B-M'55), Mem. Tech. Staff, Bell Tel. Labs., Merrimack Valley Lab., 16D0 Dsgood St. North Andover, Mass.

 KING, FREDERICK W., JR. (A'41-M'44-SM'54), Mgr., Radar Systems Engrg., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 KING, GEDRGE A., JR. (A'54), Field Engr., Boeing Airplane Co., Seattle, Wash.
- piane Co., Seattle, Wash. KING, GEORGE J. (A'55), Douglas Aircraft Co., El Segundo,

- Calif.

 KING, GEDRGE L. (M*58), Engr., Radio Frequency Labs., Inc., Powerville Rd., Boonton, N. J.

 KING, GEDRGE W. (A*52-M*58), Assoc. Sect. Head, TV
 Sect., Genl. Precision Lab., Inc., Pleasantville, N.Y.

 KING, GEDRGE W. K. (M*56), Project Engr., RCA, Moorestown, N.J.
- KING, GREUNGE W. K. (M¹56), Project Engr., RCA, Moorestown, N.J.
 KING, GORDON L. (S¹53-A¹54), Electronics Lab. Technician,
 Shell Development Co., 3737 Bellaire Blvd., Houston 5, Tex
 KING, GRANVILLE L. (M¹58), Sr. Project Engr., 3811
 Pasce Hidalgo, Malibu, Calif.
 KING, HARDLD B. (M¹52-SM¹54), Tech. Staff Engr.,
 Air Research & Development Command, Wright-Patterson
 AFB, Dhio.

- AFB, Dhio.

 KING, HERBERT D. (A'44-SM'54), Chief, Support Communications Equipment Sect., U. S. Signal Engrg. Labs., Ft. Mommouth, N. J.

 KING, HOWARD E. (A'46-M'55-SM'55), Mem. Tech. Staff, Space Technology Labs., Inc., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

 KING, JAMES D. (A'53-M'58), Project Leader, Southwest Research Institute, 8500 Culebra Rd., San Antonio 6, Tex. KING, JAMES D. (A'56), Chief, Production, USAF, Hors. A.M.C., Wright-Patterson AFB, Dhio.
- A.M.C., Wright-Patterson AFB, Dhio.
 KING, JAMES E. (A'54), Sr. Engr., Professional Consultants,
 35 S. Raymond Ave., Pasadena 1, Calif.
 KING, JAMES L. (A'57), Engro. Supvr., WSIX-TV, Inc.,
 Nashville Trust Bldg., Nashville 3, Tenn.
 KING, JESSEJ. (S'54-A'55), Test Engr., Convair, Ft.
 Worth, Tex.

- KING, JDHN G. (M'58), Assoc. Prof., Physics, MIT, Cambridge 39, Mass.
 KING, JDHN H., JR. (S'54-M'56), Engr., ITT Labs., Nutley 10, N.J.
- KING, JOHN J. (M'59), 4 E. Mill Dr., Great Neck, L.I., N.Y.
- N.Y.
 KING, JOHN W. (A'58), Prod. Supvr., Computer Div.,
 Sylvania Elec. Prods., Inc., Muncy, Pa.
 KING, JOHN W., JR. (M'52), Lt. Cmdr., USN, Staff,
 Comphibron 7, FPD, San Francisco, Calif.
 KING, KENNETH L. (A'35-M'40-SM'43), Exec. V. P.,
 Sklatron Electronics & Television Corp., 180 Varick St.,
 New York 14, N.Y.

- New York 14, N.Y.

 KING, LAWRENCE G. (A'53), Asst. in Research, Univ. of Michigan, Willow Run Labs., Willow Run Airport, Ypsilanti, Mich.

 KING, LEE C. (A'47), Chief Engr., Forsyth Broadcasting Co., WAIR & WAIR-FM, Box 5317, Winston-Salem, N.C.

 KING, LEDN H. (S'54-M'56), Electronics Engr., Jansky & Bailey, Inc., 1339 Wisconsin Ave., N.W., Washington, D.C.
- Bailey, Inc., 1339 Wisconsin Ave., N.W., Washington, D.C.
 KING, LEDNARD H. (S'46-A'49-SM'54), Registered Patent Agent, 104 S. Central Ave., Valley Stream, L.I., N.Y.
 KING, LEONARD H. (SM'56), Sr. Project Engr., Reeves Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y.
 KING, LESLIE E. (A'54-SM'56), Sr. Elec. Engr., Convalrastronautics, San Diego, Calif.
 KING, LEWIS, E. (S'53-M'36), Assoc. Engr., 18M, Poughkeepsie, N.Y.
 KING, LOREN E. (S'35-A'3B-VA'39), 4833 Edmonton Ave., Detroit, Mich.
 KING, LOUIS A. (A'43-SM'46), Consulting Radio Engr., 510 Shelby St., Bristol, Tenn.
 KING, MILTON (A'47-M'54), Sr. Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.
 KING, MORRELL L. (A'55), Elec. Engr., Airtron, Inc., 200 E. Hanover Ave., Morris Plains, N.J.
 KING, N. Paul, Jr., (S'56-M'58), Jr. Engr., Bendix Radio

- 200 E. nanover Ave., Morris Plains, N.J. KING, N. Paul, Jr. (S'56-M'58), Jr. Engr., Bendix Radio Div., Towson, Md.

- KING, DLIN B. (M'58), Research Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala.
 KING, PAUL B., JR. (S'32-A'35-SM'54), Engr., Aircraft Radio Corp., Boonton, N.J.
 KING, PAUL F. A'55), Sect. Leader, Haloid Xerox, Inc., 583 Lake Ave., Rochester, N.Y.
 KING, RICHARD C. (M'53), Dev. Engr., Stanford Research Institute, Menlo Park, Calif.
- KING RICHARD E. (A'56), 2517 Henderson Rd., Memphis
- , lenn.
 KING, RICHARD G. (M'57), Sr. Engr., Applied Physics Lab.,
 The Johns Hopkins Univ., Silver Spring, Md.
 KING, ROBERT E. (M'56), Principal Design Engr., Republic
 Aviation Corp., Familingdale, L.I., N.Y.
- Aviation Corp., Farmingdale, L.I., N.Y.
 KING, ROBERT E. (A'44-M'55), Engr., RCA, Camden,
 N.J.
- N.J.: KING, ROBERT E., JR. (SM'56), Mgr., KIng Engrg. Co., 5321½Hollywood blvd., Los Angeles 27, Calif. KING, ROBERT H. J. (M'59), Asst. Mgr., Air Force Require-ments., Martin Co., Baltimore, Md.

- ments., Martin Co., Baltimore, Md.
 KING, ROBERT M. (S'56-M'59), Jr. Engr., IBM, Poughkeepsie, N.Y.
 KING, ROBERT W., JR. (A'49-M'54), Research Engr.,
 Microwave Electronics Div., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.
 KING, ROLAND C. (A'56), Sales Mgr., TC Components,
 Telecomputing Corp., 915 N. Citrus Ave., Los Angeles
 3B, Calif.
- KING, RONOLD W. P. (A'30-SM'43-F'53), Gordon Mackay Prof., Applied Physics, Cruft Lab., Harvard Univ., Cam-bridge 38, Mass.

- Prof., Applied Physics, Cruft Lab., Harvard Univ., Cambridge 38, Mass.
 KINC, RUTH A. (M'46), Mem. Tech. Staff, Bell Tel.
 Labs., Merrimack Valley Lab., 1600 Osgood St.,
 North Andover, Mass.
 KING, SAMUEL M. (A'53), Sales Mgr., Engrg. Products
 Sect., I. T. E. Circuit Breaker Co., 601 E. Eric Ave.,
 Philadelphila 34, Pa.
 KING, SEABORN O. (A'56), Inspector, Electronics, U. S.
 Naval Air Sta. (D&R), Norfolk, Va.
 KING, SHERWDDD (S'40-A'41-SM'53), Project Mgr.,
 Radar Lab., Ground Systems Group, Hughes Aircraft Co.,
 Box 2097, Fullerton, Calif.
 KING, STANLEY (A'57), Staff Mem., Genl. Precision
 Lab., Pleasantville, N.Y.
 KING, THEDDDRE R. (A'56), Jr. Research Engr., American
 Lava Corp., Cherokee Blvd. & Mfg. Rd., Chattanooga,
 Tenn.
 KING, THOMAS H. (S'53-M'57), Lt., U. S. Army, Ordnance
 Service Co., Ladd AFB, Alaska.
 KING, THOMAS J. (M'56), Design Specialist, Philico Corp.,
 G & IDiv., 3B75 Fabian Way, Palo Alto, Caiif.
 KING, VERNDN G. (M'56), Maint. Engr., The Western Co.,
 Box 310 Midland T. Palo Alto, Caiif.

- G & (Div., 3B75 Fabian Way, Palo Alto, Caiif.
 KING, VERNDN G. (M'56), Maint. Engr., The Western Co.,
 Box 310, Midland, Tex.
 KING, W. JAMES (M'58), Acting Curator, Div. of Electricity,
 Smithsonian Institution, Washington 25, D.C.
 KING, WAYNE J. (S'5D-A'51-M'58), Field Engrg. Mgr.,
 Thompson-Ramo-Wooldridge Prods. Co., 5500 W. El Segundo, Hawthome, Calif.
 KING, WILLIAM C. (SM'57), Communications Specialist,
 GE Co., 3750 "D'St., Philadelphia 24, Pa.
 KING, WILLIAM C., JR. (M'58), Chief Engr., WVEC-TV,
 Hampton, Va.

- KING, WILLIAM C., JR. (M'58), Chief Engr., WVEC-TV, Hampton, Va.
 KING, WILLIAM E., JR. (S'48-A'5D-M'5B), Sect. Head, Field Service Dept., American Bosch Arma Corp., Garden City, L. I., N.Y.
 KING, WILLIAM F. (S'54-M'57), Elec., Engr., Hazeltine Corp., Little Neck 62, L. I., N.Y.
 KING, WILLIAM M. (M'52), Deputy Chief, Navigation Aides Engr., Div., FAA, 17 & Constitution, Washington, D.C.
 KING, WILLIAM P. (A'50-M'55-SM'57), Supvy. Electronic Engr., Natl. Security Agency, Ft. Meade, Md.
 KINGAN, ALLAN J. (S'57-M'58), Fngr., The Bell Tel. Co. of Canada, 1D60 University St., Montreal, P.O., Canada
 KINGAN, JOHN J. (M'50-SM'50), Pres., Internatl. Systcoms, Ltd., B235 Mountain Sights Ave., Montreal, P.O.
 Canada
 KINGAN, JDSEPH (S'49-A'51-M'56), Mgr., Training
- Canada.
 KINGAN, JDSEPH (S'49-A'51-M'56), Mgr., Training Devices, RCA Service Co., Camden, N.J..
 KINGERY, MARSHALL K. (S'56-M'57), Instrumentation Engr., Aro, Inc., Tullahoma, Tenn.
 KINGMAN, GORDON M. (M'52), Sr. Electronics Engr., Raytheon Mig. Co., Box 636, Santa Barbara, Calif.
- KINGS, LEONARD (M'51), Mgr., Detection & Identification Systems, Melpar, Inc., 3D00 Arlington Blvd., Falls Church, Va.
- Systems , Melpar , Inc. , 3D00 Arlington Bivd. , Falls Church , KINCSBURY , ALAN P. (M'59) , Mktg. Mgr. , Photocircuits Corp. , 31 Sea Cliff Ave. , Glen Cove, L.I. , N.Y. KINCSBURY , ALLIN D. (S'56-M'58) , Engr. , Beckman Instruments Co. , 325 N. Mueller Ave. , Anaheim , Calif . KINCSBURY , BEIL TO. A. (SM'59) , Mem. Tech. Staff , Bell Tel. Labs. , Murray Hill , N.J. KINGSBURY , JAMES L. (M'58) , Engr. , Vitro Corp. of America , 14000 Georgia Ave. , Silver Spring , Md. KINCSBURY , STANLEY R. (A'59) , Liaison Engr. , Internati Resistance Co. , 401 N. Broad St. , Philadelphia 8 , Pa. KINGSFORD-SMITH , CHARLES A. (M'56) , Sr. Dev. Engr. , Link Aviation , Inc. , 530 University Ave. , Palo Alto, Calif . KINGSLAND , DANIEL H. , JR. (A'56) , Dev. Engr. , ITT Labs. , Nutley ID , N.J. KINGSLEY , BENEDICT (S'46-A'49-M'54-SM'57) , Systems Engr. , RCA, Moorestown , N.J. KINGSLEY , RALPH J. (A'32-M'45) , Tech. Dir. , Sta. WBEN, Inc. , Hotel Statler, Buffalo 2 , N.Y. KINGSNDRTH , ARTHUR (SM'58) , Mgr. , Canadian Branch Diffice, Genl. Radio Co. , 99 Floral Pkwy , Toronto 15 , Dnt. , Canadia . KINGSTON , RDBERT H. (S'48-A'52-M'57-SM'59) , Staff Mem. MIT Lincoln Lab. Levindon 73 . Messe

- Dnt., Canada.
 KINGSTON, RDBERT H. (S'48-A'52-M'57-SM'59), Staff
 Mem, MIT Lincoln Lab., Lexington 73, Mass.
 KINGSTON, WILLIAM J. (S'55-A'56), Electronics Technician, IBM, Poughixeepsie, N.Y.
 KINGWILL, HENRY S. (A'50), Rep., W. C. & Copp &
 Associates, 35 E. Wacker Dr., Chicago, III.
 KINKAID, JAMES C. (A'52), Editorial Dir., Electronic
 Periodicals, Inc., Publisher, Milliary Electronics, Electronic Specifying & Purching: Jobber News & Electronic
 - Wholesaling: Electronics Wholesaling Market Guide; C2775 S. Moreland Blvd., Cleveland 2D, Dhio. KINKEAD, WILSON K. (S/58–M/59), Project Engr., I.T.E. Circuit Breaker Co., 601 E. Erie Ave., Phila-delphia 34, Pa.

- KINLEY, KENNARD S. (S'57-M'59), 1500 Oakland Rd., N.E., Cedar Rapids, Iowa.
- KINN, JOHN M., JR. (M'56-SM'58), Assoc. Editor, IBM Journal of Research & Development, IBM, 590 Madison Ave., New York, N.Y.
- KINN, THEODORE P. (A'36-SM'45-F'59), Pres. & Genl. Mgr., Kinn Electronics Corp., 4104 Pinkney Rd., Baltimore 15, Md.

- Mgr., Kinn Electronics Corp., 4104 Pinkney Rd., Baltimore 15, Md.
 KINNALLY, JOHN W. (M'54), Regional Mgr., Philco
 Corp., Talbott Bidg., Dayton 2, Ohio.
 KINNAMAN, ROBERT L. (A'53), Research Engr., Boeing
 Airplane Co., Wichita, Kan.
 KINNAMON, JOHN G. (S'55-M'56), Electronics Engr.,
 Dept. of Defense, Washington, D.C.
 KINNARD, KENNETH F. (S'52-A'53-M'57), Dir., Electronics Div., Lowell Technological Institute Research
 Foundation, 1 Textile, Lowell, Mass.
 KINNE, CLIFTDN B. (A'44-M'55), Staff Engr., Computer
 Control Co., Inc., 92 Broad St., Wellesley 57, Mass.
 KINNE, RAYMOND C. (SM'58), Weapons System Engr.,
 USAF, Home: 956 Bighill Rd., Kettering 29, Ohio.
 KINNER, ROWALD R. (M'59), Supvg. Engr., Radio, The
 Bell Tel. Co. of Canada, Montreal, P. Q. Canada.
 KINNEN, EDWIN (A'58-SM'59), Asst. Prof., Purdue Univ.,
 West Lafayette, Ind.
 KINNEN, EDWIN (A'58-SM'59), Asst. Prof., Purdue Univ.,
 West Lafayette, Ind.
 KINNEN, EDWIN (C'555-M'59), Stept., Loexander Kusko,
 Inc., L9 DMUND L. (S'55-M'59), Cettornic Research
 Engr., Computer Dev. Dept., Lockheed Missile Systems
 Oliv., Sunnyvale, Callf.
 KINNEY, JOSEPH, JR. (A'56), Pres., Joseph Kinney Co.,
 Inc., Locusis St., Carmerie, P. 2

- OIV., Sunnyvale, Calif.
 KINNEY, JOSEPH, JR. (A'56), Pres., Joseph Kinney Co.,
 Inc., Locust St., Carnegle, Pa.
 KINNEY, ROBERT V. (A'47), Mgr., Sales Govt. Communications Prods. Dept., GE Co., Syracuse, N.Y.
 KINNEY, THOMAS W. (S'56-M'58), Engr., Bendix Prods.,
 401 S. Beiger St., Mishawaka, Ind.
 KINNEY, WALTER E. (A'45-M'46), Chief Engr., Florida
 Wired Music Network, 1759 N. Bay Rd., Mlami Beach 39,
 Fla.
- KINNEY, WILLIAM R. (S'57-M'58), Electronics Engr., U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.

- Monmouth, N.J.

 KINNIE, IRVIN G. (M'57), 1st. Lt., U.S. Army, Home: 1709 E. Hawthome St., Tucson, Ariz.

 KINNIER, DONALD (A'30-M'53), Engra. Mgr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. KINO, GORDON S. (5'52-A'54), Research Assoc., Microwave Lab., Stanford Univ., Stanford, Calif.

 KINOSHTA, GEORGE S. (5'51-A'54), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 KINROSS, RUPERT I. (A'49-M'55), Mmg. Dir., Rediffusion Research Ltd., 187 Coombe Lane, Kingston-on-Thames, Surrey, England.
- Surrey, England.

 KINSBURG, BORIS J. (A'42-M'44), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N. J.

 KINSELL, WILLIAM L. (A'38-SM'46), Mem. Tech. Staff,
 Airbome Systems Engrg., Hughes Aircraft Co., Culver City,
 Calif
- KINSEY, LLOYD F. (M'56), Sr. Sales Engr., Burroughs Corp., 1145 19 St., N.W., Washington, D.C. KINSEY, RICHARD R. (M'56), Engr., GE Co., Syracuse,
- KINSLEY, ROYAL B. (A'55), Design & Dev. Engr., GE Co., Utica, N.Y.

- KINSLEY, ROYAL B. (A'55), Design & Dev. Engr., GE Co., Utica, N.Y.
 KINSMAN, RICHARD B. (M'55), Sr. Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.
 KINSMAN, ROBERT G. (S'53-M'56), Electronics Engr., Hughes Aircraf Co., Culver City, Callif.
 KINSMAN, WARREN D. (A'28-M'45), Fleld Engr., Westinghouse Elec. Corp., Baltimore 3, Md.
 KINTNER, PAUL M. (A'54-SM'59), Engrg. Consultant, Airbome Instrument Lab., Mineola, L.I., N.Y.
 KINTZEL, CARL K. (M'56), 1051 21 St., S.E., Cedar Rapids, Iowa.
 KINYON, WILLIAM E. (S'57-M'58), Customer Service Engr., Convair, Ft. Worth, Tex.,
 KINZER, GLENN E. (S'55-M'56), Electronics Engr., Motorola, Inc., Riverside, Callif.
 KINZER, JOHN P. (M'42-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Murray HIII, N.J.
 KINZIE, MARTHA E. (A'47-M'54), Syracuse University Research Corp., Syracuse, N.Y.
 KINZINGR, WALTER C. (S'51-A'53-M'58), Systems Engr., National Co., 61 Sherman St., Malden 48, Mass.
 KIOUS, GERALD A. (S'48-A'50-M'55), Mgr., Military
- Mass.

 KIOUS, GERALD A. (S'48-A'50-M'55), Mgr., Military
 Equipment Engrg., Communication Prod. Dext., GE Co.,
 Lynciburg, Va.

 KIPP, CHARLES F. (A'53), Engrg. Asst., Bell Tel. Co.
 of Canada, 1060 University Ave., Montreal, P.Q., Canada.

 KIPP, KARL J. (S'52-A'55), Electronics Design, GE Co.,
 Syracuse, N.Y.

 KIPP, STEWART G. (S'54-M'56), Sales Engr., John Francis
 O'Halloran & Associates, 11636 Ventura Blvd., North Hollywood, Calif.

 KIPPENHAN, DFAN O. (S'49-A'51-M'59), Siles Engr.

- wood, Calif.

 KIPPENHAN, DEAN O. (S'49-A'51-M'58), Elec. Engr.,
 Univ. of California, Livemore, Calif.

 KIPPERMAN, WILLIAM (A'54), Electronics Engr., U.S.
 Naval Training Device Center, Sands Point, L.I., N.Y.

 KIRBY, MAURICE J. (M'47), Engra. Sect. Head, Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 KIRBY, PHILIP S. (S'52-A'55), Elec. Engr., Computer
 Research Branch, David Taylor Model Basin, Washington
 7, D.C.
- KIRBY, RICHARD C. (A'44-SM'54), Chief, Radio Communi-cation & Systems Div., Natl. Bureau of Standards, Boulder, Colo.
- KIRBY, ROBERT S. (M'50-SM'57), Electronics Scientist, Natl. Bureau of Standards, Central Radio Propagation Lab., Boulder, Colo.

- Boulder, Colo.

 KIRBY, THOMAS H. (A'45-SM'55), Nuclear Engr., Administrator, Electric Boat Div., Groton, Conn.

 KIRCH, JOHN H. (A'54), Electronics Technician, Pacific Missile Range, Point Mugu, Calif.

 KIRCHENBAUER, CHARLES C. (SM'49), Asst. Mgr., Wm. V. Kirchenbauer, 1919 Monre St., Toledo, Ohlo.

 KIRCHER, CARL J. (S'52-A'53-M'56), Project Engr., Bendix Radio Div., Baltimore 4, Md.

- KIRCHER, REYMOND J. (A'30-M'40-SM'43), Project Mgr., Communications Div., Hughes Aircraft Co., Culver City, Calif.
- Calif.
 KIRCHMAYER, LEONK. (S'44-A'50-M'55), Mgr., System Generation Analytical Engrg., GE Co., Schenectady 5, N.Y.
 KIRCHMIER, THOMAS M. (S'56-M'59), Ast, Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
 KIRCHMER, ALVA A. (SM'58), Transmission Engrg., Pacific Telephone & Telegraph Co., 760 Market, San Francisco, Calif.

- KIRCHNER, CHARLES W. (S¹53-A¹54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 KIRCHNER, KARL F. (SM¹59), Optronics Labs., 470 Broad St., Bloomfield, N.J.
 KIRCHNER, LEONARD P. (S¹56-A¹57), Jr. Electronics Engr., Components Corp., 2857 N. Halsted St., Chicago 14, III.

- 14, iff.

 KIRCHOFF, RONALD J. (S'57-A'59), Jr. Elec. Engr., IBM,
 Owego, N.Y.

 KIRCHOFF, WESLEY L. (M'57), Pres., The Walkint Co.,
 141 W. Hazel St., Inglewood 3, Calif.

 KIRDAHY, EMIL (A'29-M'46), Andrea Radio Corp., 27-01

 Bridge Plaza, N., Long Island City 1, N.Y.

 KIRILOFF, ALEXANDER A. (M'50-5M'57), Research Scientist & Electronics Engr., Research Electronics Lab., Colmubla
 Univ., 632 W. 125 St., New York 27, N.Y.

 KIRIN, MICHAEL J. (A'58), VMCJ-3, FPO, San Francisco,
 Calif.

 KIRK. C. F. JR. (M'57), May. Clanair, Ipc. 1211 Air.

- KIRIN, MICHAEL J. (A'58), VMCJ-3, FPO, San Francisco, Calif.

 KIRK, C. E., JR. (M'57), Mgr., Glenair, Inc., 1211 Air

 Way, Glendale 1, Calif.

 KIRK, CHARLES N. (S'55-M'58), Electronics Engr., Marquardt Aircraft Co., 2709 N. Garey Ave., Pomona, Calif.

 KIRK, DAVID B. (M'57), Chief Engr., Moore Prods. Co., H & Lycoming Sts., Philadelphia 24, Pa.

 KIRK, OMALD, JR, (S'46-A'50-M'55), Sr. Staff Engr., G & I Div., Philico Corp., 4700 Wissahickon Ave., Philadelphia, Pa.

 KIRK, GEORGE R. (S'55-M'57), Advance Planning, Communications, Manitoba Telephone System, 166 Portage Ave., E., Winnipeg, Man., Canada.

 KIRK, JOSEPH G. (M'58), Asst. Lecturer, Liverpool Education Committee, 14 Sir Thomas St., Liverpool, England.

 KIRK, K. DONN (S'57-M'59), Elec. Engr., Ohlo Bell Tel. Co., 221 N. Front St., Columbus 15, Ohlo.

 KIRK, REUEL J. (S'54-M'56), Engr., Beckman Instruments, Inc., 2500 Fullerton Rd., Fullerton, Calif.

 KIRK, RICHARD, A. (M'58), Chief Projects Engr., Tamar Electronics, Inc., 1805 Colorado, Santa Monica, Calif.

 KIRK, RONALD L. (S'55-M'57), 229 16 St., Schenectady, N.Y.

 KIRK, WHITSON J., JR. (M'59), Components Engr., Bendix
- N.Y.
 KIRK, WHITSON J., JR. (M'59), Components Engr., Bendix
 Aviation Corp., Box 1159, Kansas City, Mo.
 KIRK, WILLIAM (S'55-M'56), Creole Petroleum Corp.,
 Cabimas, Edo, Zullia, Venezuela.
 KIRKALDY, ALEXANDER, JR. (4'54), Tech. Copy Writer,
 Jerold Electronics Corp., 23 & Chestnut Sts., Philadelphia
 3. Pa.

- KIRKALDY, ALEXANDER, JR. (A'54), Tech. Copy Writer, Jerold Electronics Corp., 23 & Chestnut Sts., Philadelphia 3, Pa.

 KIRKENDALL, JOHN T. (M'59), Engrg. Rep., Field Operations, GE Co., Syracuse, N.Y.

 KIRKHAM, PETER (M'56), Chief Engr., Dickson Primer & Co. Pty., Ltd., 73 Day St., Sydney, N.S.W., Australia.

 KIRKLAN, VERN D. (S'49-A'50-M'58), Missile Guidance & Control, Oouglas Aircraft Co., El Segundo, Calif.

 KIRKLAND, FREDERICK E. (S'55-M'58), 2558 Westover Dr., Winston-Salem, N.C.

 KIRKLAND, FREDERICK E. (S'55-M'58), Physicist Project Super., Men. Principal Staff, Apolied Physics Lab., The Johns Hookins Univ., Silver Spring, Md.

 LIS. Forces, APO 123, New York, N.Y.

 KIRKLAND, GLENN I. (S'40-A'45-M'48), Physicist Project Super., Mem. Principal Staff, Apolied Physics Lab., The Johns Hookins Univ., Silver Spring, Md.

 KIRKLAND, ROBERT E. (A'42-M'55), Engr., Raytheon Mfg. Co., Waylamd, Mass.

 KIRKLAND, VERN D. (S'49-A'50-M'58), Missile Guidance & Control, Douglas Aircraft Co., El Segundo, Calif.

 KIRKLEY, DANIEL E., JR. (S'53-M'56), Research Asst., Biophysics Dext., Tulane Univ., New Orleans, La.

 KIRKLEY, EARLE L., JR. (A'56), Staff Engr., The Martin Co., Box 5837, Orlando, Fla.

 KIRKMAN, ROBERT A. (SM'48), Exec. Engr., Hughes Aircraft Co., Culver City, Calif.

 KIRKPATRICK, CHARLES H. (M'55), Project Engr., Collins Radio Co., Cedar Rapids, Iowa.

 KIRKPATRICK, CORGE M. (S'41-M'45-SM'56), Mgr., Electronics Equipment & Systems Lab., GE Co., Syracuse, N.Y.

 KIRKPATRICK, GOBGEM. (S'41-M'45-SM'56), Field Engr., Culpif for the Communication of the Communication of the Corp., Culver City, Calif.

- N.Y.

 KIRKPATRICK, ROBERT L. (S'50-A'51-M'56), Field
 Engr., Hughes Aircraft Co., Culver City, Calif,
 KIRKPATRICK, THOMAS I. (S'58-M'59), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 KIRKPATRICK, WILLIAM E. (A'38-VA'39-SM'54), Mem.
 Tech. Staff, Bell Tel Labs., Murray Hill, N.J.

 KIRKSCETHER, ERIK J. (A'53-M'56-SM'59), Engr. In
 Antenna Design & Research, Instituto de Investigaciones
 Cientificas y Tecnicas de las Fuerzas Armadas, 3 de

- Cientificas y Tecnicas de las Fuerzas Amadas, 3 de Febrero 1.250 San Martin, Buenos Aires, Argentina. KIRKSEY, TERRELL W. (S'42-A'45-M'55), Dir. of Engrg., KWWL-TV, Black Hawk Broadcasting Co., Russell Lamson Hotel, Waterloo, Jowa. KIRKWOOD, BILLY D. (S'48-A'52-M'57), Research Assoc., Control Systems Lab., Univ. of Illinois, Urbana, III. KIRKWOOD, LOREN R. (SM'49), Mgr., Colored TV Engrg., RCA, Camden, N. J.

- RCA, Camden, N. J.

 RCA, Camden, N. J.

 KIRKWOOD, LOREN W. (SM'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 KIRKWOOD, ROBERT L. (S'43-A'45-M'55), Physical Scientist, Rand Corp., J 700 Main St., Santa Monica, Calif.

 KIRLIN, EUGENE V. (M'58), Research Engr., No. Amer. Aviation, Internatl. Airport, Los Angeles 45, Calif.

 KIRLIN, WILLIAM F. (S'50-A'51-M'58), Cabt., USAF, Chief, Drone Scorer Sect. Hgrs., APGC, ARDC, Eglin AFB, Fla.

- Fla.
 KIRNER, ERNEST O. (SM'59), Project Engr., 8endix
 Aviation Corp., Towson 4, Md.
 KIRSCH, ALAN L. (S'48-4'51-M'56-SM'58), Engrg.
 Group Supvr., Philoc Corp., 4700 Wissahickon Ave.,
 Philadelphia 44, Pa.

- KIRSCH, ANDREW F. (M'57), Engr., Westinghouse Elec. Corp., 150 Pacífic Ave., Jersey City, N. J. KIRSCH, HAROLD A. (S'5D-A'51-M'54), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 El Segundo, Los Angeles,
- KIRSCH, IVAN H. (A'57), 72 Boylston St., Worcester 5,
- Mass .

 KIRSCH, RUSSELL A. (A'52-M'57), Electronic Scientist,
 Nat!. Bureau of Standards, Washington 25, D.C.

 KIRSCH, WALTER A. (SM'57), Supt., Electronic Assembly
 Project, Fairchild Camera & Instrument Corp., Robbins Lane,
 Syosset, L. I., N. Y.
- KIRSCHBAUM, HERBERT S. (A'55), Dept. Consultant, Engro. Physics Dept., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.
- KIRSCHENBAUM, JACK (M'55-SM'57), Chief, Communications Engry. Div., Northern Air Materiel Area (Pacific), APO 323, San Francisco, Calif.
- 323, San Francisco, Calif.
 KIRSCHNER, AOELBERT E., JR. (S'52-M'58), Sr. Engr.,
 Sperry Gyroscope Co., Great Neck, L. I., N. Y.
 KIRSCHNER, JOHN G. (M'59), Packaged Electronic Circuit
 Prod. Erior., Centralab Div., Globe-Union, Inc., 900 E.
 Keefe Ave., Milwaukee 2, Wis.
- KIRSCHNER, MEYER (A'57), Asst. Engr., Otis Elevator Co., 260 11 Ave., New York, N. Y. KIRSHBAUM, BARRY D. (S'56-M'57), Design Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N. Y.

- KIRSTEN, FREDERICK A. (S'49-A'53-M'58), Fectrories

 KIRSTEN, FREDERICK A. (S'49-A'53-M'58), Fech. Staff

 Mitre Corr., Lexington 73, Mass.

 KIRSHNER, HOWARD J. (S'47-A'50-M'58), Tech. Staff

 Mitre Corr., Lexington 73, Mass.

 KIRSHNER, JOSEPH M. (A'53), Physicist, Oiamond Ordnance

 Fuze Labs., Washington 25, O. C.

 KIRSTEN, PETER T. (S'55-M'58), Staff Ment., Center of

 European Nuclear Research, CERN, Geneva, Switzerland.

 KIRSTEN, CHARLES C. (S'51-A'53-M'57), Research

 Engr., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena, Calif.

 KIRSTEN, FREDERICK A. (S'49-A'53-M'58), Electronics

 Engr., Univ. of California Radiation Lab., Berkeley 4,

 Calif.

 KIRSTAND, JOHN A. (M'57), Staff Fore, Food Machines 8
- Calif.

 KIRTLAND, JOHN A. (M'57), Staff Engr., Food Machinery & Chemical Corp., 1105 Coleman Ave., San Jose, Calif. KIRTMAN, FRANK (S'50-A'52-M'57), Electronic Scientist, Material Lab., New York Naval Shipyard, Brooklyn, N. Y.

 KIRVIDA, LEONARD (A'52-M'57), Elec. Engr., Electronics Research Lab., Columbia Univ., 632 W. 125, New York 27, N. Y.

 KIRWAN, JOHN P. (S'56-M'57), Test Engr., Hazeltine Electronics Oiv., Little Neck, L. I., N. Y.

 KIRWIN, GERALO J. (M'56), Asst. Prof., Elec. Engrg., Merrimack College, North Andover, Mass.

 KIYLUK, WLOOZIMERZ (A'51-M'58), Chief Engr., Elec.

- KIRYLUK, WLOOZIMERZ (A'51-M'58), Chief Engr., Electronics Instrumentation Div., Burndept, Ltd., Erith, Kent, tronics in England.
- KISCADDEN, GLENN G. (S'57-M'59), 244 S. 8 St., Lebanon, Pa.

- KISCADDEN, GLENN G. (S'57-M'59), 244 S. 8 St., Lebanon, Pa.

 KISEDA, JAMES R. (S'54-M'58), Assoc. Engr., Research, I8M, 304 Spring St., Ossining, N. Y.

 KISELESKI, JOSEPH M. (A'53), Systems Engr., RCA Service Co., 838 N. Henery St., Alexandria, Va.

 KISER, ALAN J. (A'57), Project Engr., Kearfott Co., Inc., 14844 Oxnard St., Van Nuys, Calif.

 KISER, JAMES L. (SM'54), Pres., VARI-L Co., Inc., Box 1433, Stamford, Conn.

 KISER, N. LAMONT (A'37-M'41-SM'43), Plant Mgr., Tung-Sol Electric, Inc., Weatherly, Pa.

 KISER, WILLIAM L. (M'46-SM'53), Engr.-in-Chg., Investigative Sect., FCC, 641 Washington St., New York 14, N.Y.

- Ligative Sect., FCC, 641 Washington St., New York 14, N. Y.

 KISH, FRANK (S'50-A'51-M'58), Serv. Engr., GE Co., 306 Mac Corkle Ave., S. E., Charleston 28, W. Va. KISH, JOSEPH, JR. (A'55), Chief Engr., WTIG, Massillon Drive-in-Hotel, Massillon, Ohio.

 KISHA, ALEX (S'57-M'58), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio.

 KISHA, FRANCIS H. (A'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 KISHI, HAJIME J. (A'47-S'49-A'51-M'56), Research Engr., RCA Labs., Rocky Point, L. I., N. Y.

 KISHIMOTO, TOM H. (S'56-M'58), Engr., Sperry Utah Engr., Lab., 322 N. 21, W., Salt Lake City, Utah.

 KISHPAUCH, ALLAN W. (A'53-M'59), Assoc. Dev. Engr., Burroughs Corp., Paoli, Pa.

 KISHPAUCH, ARTHUR W. (A'20-M'30-SM'43XL), Retired, 10 Vale Terr., West Orange, N. J.

 KISKADDON, WILLIAM V. (A'50-A'52-M'56), Instr., Univ. of Washington, Oebt. of Elec. Engr., Seattle 5, Wash.

 KISKO, ROBERT P. (A'57), Instrumentation Engr., RCA Flight Lab., New Castle County Airport, Wilmington, Del. KISLAN, CARL A. (S'57-M'58), Maint. Engr., American Car & Foundry, Berwick, Pa.

 KISNER, ROMER L. (M'58), Sr. Assoc., Field Engr., Collins Radio Co., Cedar Rapids, Iowa.

 KISS, FRANK V. (M'55), Radio Engr., Northern Transportation Co., Ltd., 10040 105 St., Edmonton, Alta., Canada.

 KISS, JOHN S. (M'44), Project Electronics Engr., Crosley Div., Avoc Mfg. Corp., 1329 Afflington St., Cincinnat 25, KISS, JOHN S. (M'44), Project Electronics Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- KISS, JOSEPH A. (S'54-A'56), 1707 Parent, Windsor,
- KISS, MARVIN L. (M'58), Sr. Engr., ITT Labs., Nutley 10,
- N. J.

 KISSLING, ROBERT T. (A'59), Standard Engr., Remington
 Rand Univac, St. Paul, Minn.

 KISTLER, ROBERT J. (A'54), Dev. Engr., Landis & Gyr,
 Inc., Gubelstr. Zug, Switzerland

 KISTNER, ROBERT L. (A'35), Staff Engr., WHIO-TV,
 1414 Wilmington St., Dayton 9, Ohio.

 KITA, ROY K. (M'56), Elec. Design Engr., RCA, Moorestown, N.J.
- town, N.J.
 KITABAYASHI, TAMOTSU (A'53), Electronics Engr., U.S.
 Naval Missile Cerker, Code 5412, Point Mugu, Calif.
 KITAMURA, ZEN'ICHI (SM'57), Asst. Prof., Engrg.,
 Osaka Univ., Higashinoda-cho 9, Miyakojima-ku,
 Osaka, Japan.

- 249 -KIT-KLI

- KITCES, SAMUEL (A'47-M'56), Sr. Engr., Westinghouse Elec. Corp., Box 1B97, 8altimore 3, Md.
 KITCHEN, FRANKLIN J. (S'50-A'50-M'56), Supvy. Ordinance Engr., White Sands Missile Range, N.M.
 KITCHEN, RICHARD L. (S'57-M'58), Instrumentation Engr., Rocketdyne, 6633 Canoga Ave., Canoga Park, Calif.
 KITCHEN, ROBERT F. (S'57-M'59), 1650 Ridgeview Ave., Lancaster, Pa.
- Lancaster, Pa.

 KITCHENS, LEE E. (S'55-M'56), Elec. Engr., Missile & Surface Radar, RCA, Moorestown, N.J.

 KITCHENS, LEE G. (S'50-M'50), Device Engr., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas, Tex.

 KITCHENS, WILLIAM L. (M'58), Beckman Systems Div., 325 N. Muller Ave., Anaheim, Calif.

 KITCHIN, H. W. (A'14-M'26-SM'43) (L), Capt., USN, Retired, 79 Callodine Ave., Buffalo 14, N.Y.

 KITE, MARTIN N. (S'54-M'59), Design Engr., Aerial Measurements Lab., 2422 W. Oakton St., Evanston, III.

 KITSON, HAROLD JR. (SM'59), Mgr., Instrument & Communication Systems, Missile & Space Vehicle Dept., Philadelphia, Pa.

- Pa.

 KITSON, JOHN E., JR. (A'55), Transmitter Supvr., WTHS-TV, Dade County Bd. of Public Instruction, 1401 N.E. 2nd Ave., Miami, Fla.

 KITSOPOULOS, SOTIRIOS C. (M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 KITSUREGAWA, TAKASHI (A'55), Research Engr., Mitsubishi Electric Mfg. Co., Ltd., 80 Nakano, Amagasaki-City, Hyogo Pref., Japan.

 KITIIVER, LAWRENCE E. (S'55-M'59), 7911 Orangewood Ass., Analysiin, Culif.

 KITLITZ, NORMAN E. (M'56), Geophysical Engr., Imper-

- A.u., Audreiin, Culif.
 KITLITZ, NORMAN E. (M'56), Geophysical Engr., Imperial Oil, Ltd., 309 9 Ave., W., Calgary, Alta., Canada.
 KITTLITZ, RAYMOND S. (S'44-A'47-M'58), Geophysical Engr., Imperial Oil, Ltd., 309 9 Ave., W., Calgary, Alta., Canada.

- KITAREDGE, PAUL E. (S'57-M'59), Asst. Engr., West-inahouse Elec. Corp., Parker Rd., Arbutus, Md.
 KITTREDGE, PAUL E. (S'57-M'59), Asst. Engr., West-inahouse Elec. Corp., Parker Rd., Arbutus, Md.
 KITTRIDGE, CHARLES E. (S'59-M'59), Elec. Engr., Reminaton Band Univac, St. Paul 16, Minn.
 KITTS, DONALD E. (S'56-A'58), Electronics Technician, Sperry Rand Univac, 311 Turner St., Utica, N.Y.
 KITTY, FRED J. (A'43-M'46), Sr. Engr., F. W. Sickles Div., Chicopee, Mass.
 KIVER, MILTON S. (A'46-M'55), Editor, Electrical Design News, Rogers Publishing Co., 20 N. Wacker Dr., Chicago 6, Ill.
 KIVISTIK, OLEV (S'56-M'57), Engr., Army Development Est., Montreal Rd., Ottawa, Ort., Canada.
 KIYO1, GUY T. (S'49-A'51-M'56), Electronics Scientist, U.S. Naval Radiological Defense Lab., San Francisco 24, Calif.
- KIZER, DONALD E. (S'53-M'56), Consulting Elec. Engr., Donald E. Kizer & Associates, 425 S. San Gabriel Blvd., San Gabriel, Calif.
- KJAER, AXEL N. (\$'56-M'58), Vibeholmen 6, Valby, Copenhagen, Denmark.
 KJAER, VIGGO (A'49), Dir., A/S Bruel & Kjaer, Naerum, Denmark.
- Denmark.

 KJELLBURG, RICHARD L. (M'56), Sr. Field Services
 Rep., GE Co., Box 4247, Patrick AFB, Fla.

 KJERULFF, EVERETT R. (M'59), Electronics Design Engr.,
 Hughes Aircraft Co., Fullerton, Calif.

 KLASSEN, BENJAMIN J. (A'52–M'57), Asst. Project
 Engr., Martin Co., Orlando, Fla.

 KLABIS, ROBERT A. (S'54–M'58), Engr., IBM, Owego,
 N.Y.

- N.Y.

 KLADKE, WILLIAM F., JR. (A'55-M'56), Regional Mgr., Tektronix, Inc., 313 Nottingham Rd., Syracuse 10, N.Y.

 KLAHN, RICHARD (S'55-M'57), Mem. Tech. Staff, Bel Tel. Labs., Whitopany, N.J.

 KLAMKA, NORBERT (M'59), Elec. Engr., Group Leader, Bolkow-Entwicklungen KG, Ottobrunn, Munchen, Germany, KLAMM, CLARENCE F., JR. (S'43-A'47-M'55), Prof., Dept. of Electronics, U. S. Naval Postgraduate School, Montrerey, Calif.

 KLAMM, GEORGE E. (S'49-A'51-M'58), Electronics Scientist, Naval Ordinance Lab., White Oak, Silver Spring, Md.

 KLAMMER RICHARD W. (S'55-M'56), Loolcal Designer.

- Spring, Md.

 KLAMMER, RICHARD W. (S'55-M'56), Logical Designer,
 Computers, AC Spark Plug, Milwaukee 1, Wis.

 KLANE, CHARLES H. (A'50-M'55), Administrative Asst.,
 Baird-Atomic, Inc., 33 University Rd., Cambridge 38,
 Mass.

- Baird-Atomic, Inc., 33 University Rd., Cambridge 38, Mass.

 KLANN, PAUL A. (A'45), Pres., Klann Organ Supply Co., Inc., 4 & Charlotte Aves., Waynesboro, Va.

 KLAPACH, PETER (A'54), Engr., Philico Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 KLAPER, ERIC (S'48-A'50-M'58), Mem, Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 KLAPPER, JACOB (A'54-M'56), Lecturer, City College of New York, 139 & Convent Ave., New York 31, N.Y.

 KLAPPERICH, ALFRED J. (A'33-VA'39-M'55), Consulting Physicists, 8841 S. Constance Ave., Chicago 17, III.; Elec. Engrg. Dept., Univ. of Illinois, Navy Pier, Chicago 11, III.

 KLARMAN, KARL J. (A'53-M'58), Sect. Head, Instrumentation, Sanders Association, Inc., 95 Canal St., Mashua, N.H.

 KLASS, PHILIP J. (A'52-M'57), Avionics Editor, Aviation Week Magazine, Mc-Graw-Hill, Natl. Press Bldg., Washington 4, D.C.

 KLATT, WILLIAM K. (S'53-A'54-M'55), Assoc. Research
- KLATT, WILLIAM K. (S'53-A'54-M'55), Assoc. Research Engr., "A," Boeing Airplane Co., 3801 S. Oliver, Wichita 1, Kan.

- KLAUS, ELMER F. (A'55), Supvr., TV, Radio & Major Appliance Service Derk., Woodward Stores, Ltd., Vancouver, B.C., Canada. KLAUS, GEORGE H. (S'42-A'44-M'47-SM'56), Electronics Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.
 KLAVFNS, NORMAN I. (S'52-A'53-M'59), Design & Dev. Engr., RCA, 75 Varick St., New York 13, N.Y.
 KLAVFNS, NORMAN I. (S'46-A'52-SM'55), Mrg., Microwave Dev., RCA, Moorestown, N.J.
 KLAYTON, MARVIN H. (A'44-A'45-SM'50), Electronics Engr. & Consultant, Bennett Klayton Association, Deal, N.J.
- KLEASON, DEMETRIUS B. (S'4B-A'49-M'55), Exec. V.P., Magnetic Controls Co., 6325 Cambridge St., Minneapolis 16, Minn.

- KLECKNER, CLAUDE C. (M'56), Sr. Engr., AT&T Co., 400 Hamilton Ave., White Plains, N.Y.

 KLEE, HARVEY J. (S'57-M'58), Electronics Scientist, U.S. Naval Electronics Lab., San Diego 52, Calif.

 KLEEN, WERNER J. (SM'50-F'57), Dir., Research Lab., Siemens & Halske A.G., Balanstrasse 73, Munchen, Gerni KLEES, EMERSON C. (S'57-M'58), USN, Home: Sylvan Heights, Emporium, Pa.

 KLEFFNER, RONALD E. (S'57-A'58), Telegrapher-Printer Mechanic, Union Pacific RR Co., Pocatello, Idaho.
- KLEHFOTH, WARRAN G. (S'42-A'45-M'51), Head. Group B, Engrg & Research Dept. V, Collins Radio Co., Cedar Rapids, Iowa.
- KLEHM, WILLIAM G., JR. (S'53-M'59), 7 Ridge Ter., Short Hills, N.J.
- KLEIN, ALBERT L. (A'46-M'55), Supvr., Elec. Engr., Albiswerk Zurich A.G. Albisriederstr. 245, Zurich, Switzerland.
- Switzerland.
 KLEIN, ALBERT M. (S'50-A'51-M'56), Dev. Engr., ITT
 Labs., Nutley 10, N.J.
 KLEIN, ARMAND L. (M'56), Asst. Export Mgr., Instrumentation, Amnex Corp., 934 Charter St., Redwood City,
- KLEIN, EDMUND F. (A'50-M'55), Chief Systems Engr., Natl. Cash Register Co., 1401 E. El Segundo, Hawthorne, Calif.
- KLEIN, EDMUND J., JR. (S'57-M'58), 20 Glynn Dr.,

- Florisant, Mo.

 KLEIN, EDWARD A. (A'54), Staff Engr., IBM, Monterey & Cnttle Rds.. San Jose, Calif.

 KLEIN, ERREST J. (M'57), Systems Engr., Dept. of Transport, Trafalgar Bidg., Ottawa 4, Ont., Canada.

 KLEIN, EUGENE A. (M'58), Engr., Hughes Aircraft Co., Culver City, Calif.
- Culver City, Calif.
 KLEIN, FRANK N. (S'56-M'59), Elec. Research Engr.,
 Eaton Mfg. Co., Kenosha, WIs.
 KLEIN, FREDERICK A. (M'57), Sr. Engr., Magnavox Co.,
 Research Labs., 2255 S. Carmelina Ave., Los Angeles
 64, Calif.
- CHARDLD (A'54), Mem. Tech. Staff, Ramo-Wouldridge, 90534, Airport Sta., Los Angeles 45, Callf.
 KLEIN, GEORGE E. (M'58), Electronics Engr., Emerson
 Radio & Phonograph Corp., 14 & Coles Sts., Jersey City,
 N.J.
- Radio & Phonograph Corp., 14 & Coles Sits., Jersey City, N.J.

 KLEIN, GERALD A. (S'55-M'58), Electronics Engr., Research Staff, MiT, Lincoln Lab., Lexington 73, Mass.

 KLEIN, GERALD I. (M'56-SM'59), Mgr., Microwave Tubes Sect., Applied Research Dept., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 KLEIN, H.G., Baltimore 3, Md.

 KLEIN, H.R. MANUEL (A'50), Studio Technician, C8S-TV, 485 Madison Ave., New York, N.Y.

 KLEIN, H.RRMAN (A'46-M'55), Electronics Engr., Nortronic Div., Northrop Aircraft, Inc., Hawthorne, Callf. KLEIN, HERMAN (A'46-M'55), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 KLEIN, JACK (A'55), Prod. Specialist (Electronics), USN Dept., Bureau of Ships (Code 624 C), Washington 25, D.C.

 KLEIN, JOSEPH A. (S'46-A'54), Staff Mem., Physicist, MIT Lincoln Lab., Lexington 73, Mass.

 KLEIN, MARTIN E. (A'44-M'49), Field Engr., RCA, 744 Boad St., Newark 2, N.J.

 KLEIN, MARTIN E. (A'44-M'49), Field Engr., RCA, 744 Boad St., Newark 2, N.J.

 KLEIN, MARTIN N. (A'45-M'56), Supvr., Advanced Dev., Rocketdyne Div., No., Amer., Aviation, Canoga Park, Calif.

 KLEIN, MARVIN M. (A'45-M'56), Supvr., Engrg., Lewyt Mrg. Corp., 43-22 Queens St., Long Island City 1, N.Y.

 KLEIN, MRELVILLE H. (S'54-M'56), Supvy., Electronics Engr., Natl. Security Agency, Ft., Meade, Md.

 KLEIN, MELVILLE H. (S'54-M'56), Dev., Lab., IBM., Poughkeepsle, N.Y.

- KLEIN, MELVIN (M'53), Physicist, Prod. Dev. Lab., IBM, Poughkeepsie, N.Y.
- IBM, Poughkeepsle, N.Y.
 KLEIN, MELVIN S. (S'55-M'55), Sr. Engr., ITT Labs.,
 Nutley 10, N.J.
 KLEIN, MORTON S. (A'53-SM'58), Mgr., Mfg. Engrg.,
 Electronic Communications, Inc., Maritime Base, St. Petersburg, Fla.
- burg, Fla.
 KLEIN, RICHARD (SM'58), Sr. Project Engr., Hoffman
 Labs., 3761 S. Hill St., Los Angeles, Calif.
 KLEIN, RICHARD M. (J'42-A'42-M'46-SM'49), Mgr.,
 New Prod. Engrg., Sylvania Elec. Prods., Inc., 1740
 Broadway, New York 19, N.Y.
- Droadway, New York 19, N.Y.
 KLEIN, ROBERT C. (S'48-A'50-M'53), Project Engr.,
 Kollsman Instrument Corp., 80-08 45 Ave., Elmhurst 73,
 L.I., N.Y.
 KLEIN, ROBERT D. (M'56), Asst. Prof., Research In Communications, Northeastern Univ., Huntington Ave., Boston
 15, Mass.
- KLEIN, SHERMAN I. (A'53-M'59), Mem. Tech. Staff, Research & Dev. Labs., Hughes Aircraft Co., Culver City, Calif.
- KLEIN, THEODORE J. (S'57-M'59), Electronics Engr., U. S., Army Signal Research & Development Lab., Ft. Mon-mouth, N.J.
- mouth, N.J.
 KLEIN, WALTER (M'58), Sr. Elec. Engr., The Natl. Cash
 Register Co., S. Malne & K Sts., Dayton 9, Ohio.
 KLEIN, WERKER L. (S'54-M'58), Engr., Western Union
 Telegraph Co., 60 Hudson St., New York 13, N.Y.
 KLEIN, WILLIAM (A'54), Field Engrg. Rep., 1472 Earlham Dr., Dayton 6, Ohio.

- Ham Dr., Dayton 6, Ohio.

 KLEIN, WILLIAM F. (S'55-M'56), Sr. Engr., Sylvania Flectronic Defense Lab., 123 N. Whisman Rd., Mountain View, Cailf.

 KLEIN, WILLIAM J. J. (A'46-M'53), Head, Instrument & Property Services Group, Engre, Labs., Hughes Aircraft Co., Fullerton, Callf.

 KLEIN, WILLIAM S. (A'29-M'45), KHJ Transmitter Engr., On Lee Groadcasting System, 1313 N. Vine, Hollywood 28, Cailf.

 KLEIN, WILLIAM T. (S'54-A'55), Elec. Engr., City of New York, Dept. of Public Works, Municipal Bidg., New York 7, N.Y.

 KLEIN, MRGR, HARRY (M'57), Elec. Engr., PCA Candon

- KLEINBERG, HARRY (M'57), Elec. Engr., RCA, Camden,
- N.J. KLEINBERG, HARTLEY (A'55), Engr., American Bosch Arma Corp., Garden City, L.I. N.Y. KLEINER, SAMUEL (S'57-A'57), Technician, GE Co., Syracuse, N.Y.

- KLEINFELDER, DALE S. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf. KLEINNDFER, BURKHART A. (S'39-A'41-M'46-SM'52), Asst. to Dir., Quality Control Missile Div., No. Amer. Aviation, Downey, Calif. KLEINMAN, BERNARD (M'56), Dev. Engr., RCA, Harrison,

- N.J. KLEINMAN, HENRY M. (S'55-M'58), Applications Engr., RCA, Somerville, N.J. KLEINMAN, JULES M. (A'47-M'56), Project Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- Ohio.

 KLEINMAN, ROBERT L. (S'48-A'50-M'58), Engr., Lockheed Aircraft Co., Marrletta, Ga.
 KLEINODER, JACK (A'51), Secy. & Treas., Volkert Stamplings, Inc., 222-34 96 Ave., Queens Village, L.I., M.Y.
 KLEINSCHMITT, CHARLES J. (A'57), Sr. Lab. Technician, Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles 7, Calif.
- KLEINSTEUBER, WERNER GUSTAV (SM'54), Mng. Dir. & Physicist, Pintsch-Electro GmbH, Konstanz/Bodensee, Sierenmoosstr. 78, Western Germany.
- Sierenmoossur. 70, western dermany. KLEIST, ROBERT A. (S'51-A'52-M'57), Sr. Project Engr., Link Aviation, Inc., 530 University Ave., Palo Alto, Calif. KLEITSCH, JOHN C. (S'58-M'59), Assoc. Engr., Pilot-less Aircraft Div., Boeling Airplane Co., Seattle, Wash.

- IESS AIRCRAR DIV., Boeing Airpraise Co., Seactie, Wash.
 KLEKER, JEROME H. (A'54), Owner, Jérome H. Kleker
 Co., 177 Sunset Ave., Glen Ellyn, III.
 KLEKOTKA, JOHN A. (M'48), Dir., Admissions, Villanova
 Univ., Villanova, Pa.
 KLEM, RICHARD F. (M'52-SM'56), Asst. Genl. Mgr.,
 Sparlon Control Systems Div., The Sparlon Corp.,
 Jackson, Mich.
- Jackson, Mich.
 KLEMENS, WILLIAM P. (S'48-A'49-M'54-SM'56), Sect.
 Head, Sr. Engr., Bendix Aviation Corp., 1160 Sherman
 Way, North Hollywood, Calif.
 KLEMER, BERNARD H. (A'50-M'55), Production Engr.-inChg., Electronic Prods., Industrial Div., Speidel Corp.,
 89 Ship St., Providence 2, R.I.
- 89 Ship St., Providence 2, R.I.
 KLEMETTI, REYNOLD O. (A'54), Chief Radio Engr.,
 Michigan Dept. of Conservation, Lansing, Mich.
 KLEMM, GEORGE H. (S'41-A'43), Mem. Tech. Staff,
 Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.
 KLEMM, HOWARD L. (S'56-M'57), Radio Frequency Systems
 Engr., Douglas Aircraft Co., Inc., Box 4066, Patterson
 AF8, Fla.
- KLEMMER, AUGUSTUS E. (S'49-A'51-M'56), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- 9, N.Y.
 KLEMPERER, HANS (A'47), Consulting Engr., APRA
 Precipitator Co., 60 E. 42 St., New York 17, N.Y.
 KLEMPERER, WILFRED K. (S'58-M'58), Comell Aero.
 Lab. Dept., 4455 Genesee St., Buffalo 21, N.Y.
 KLENK, JOHN L. (S'57-M'58), Lt., USCG, Engr. Officer,
 USCG Washington Radio Sta. Lab., Telegraph Rd., Alex-
- andria, Va.
- andria, Va. .

 KLENK, LORENZ M. (M'41-SM'43), Mem. Tech. Staff, Bell. Tel. Labs., Murray Hill, N.J. .

 KLENK, RICHARD L. (S'53-M'59), Tech. Asst., Exploratory Dev. of Pulse Code Modulation Telephone Equipment, Research & Dev., Bell Tel. Labs., Murray Hill, N.J.

- tory Dev. of Pulse Code Modulation Telephone Equipment, Research & Dev., Bell Tel. Labs., Murray Hill, N.J. KLEPINGER, LOYD H. (M'51-5M'54), Staff Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. KLEPPINGER, ROBERT E. (M'54), Design Engr., RCA, Somerville, N.J. KLEPS, EDWARD W. (A'50), Owner, Kleps Auto Electric Service, 770 Providence Hwy., Norwood, Mass. KLESNER, J. LEE (A'53), Pres., JEK Mfg. Corp.; Genl. Mgr., Chemical Specialties, Inc., 1st & Cheyenne, Alliance, Neb. KLESSE, WILLIAM R. (A'43-M'47), Asst. Chief Engr., Airborne Accessories Corp., 1414 Chestnut Ave., Hilside S, N.J. KLESSIG, ROBERT J. (M'55-SM'58), Electronics Engr., Land-Air, Inc., Holloman AFB, N.M. KLESTAOT, BERNARD (S'49-A'51-M'56-SM'58), Sr. Staff Engr., Hughes Aircraft Co., Culver City, Calif. KLETSKY, EARL J. (S'51-M'55), Instr., Elec. Engrg., Syracuse Univ., Syracuse 10, N.Y. KLEVANS, WILLIAM L. (M'56), Mgr., Packaged Assembly Circuit Dett., Erie Resistor Corp., 644 W. 12 St., Erie, Pa.
- Pa.

 KLEVER, WILLIAM O. (A'56), Dev. & Design Engr., Goodyear Aircraft Corp., Akron, Ohio.

 KLEY, ROBERT C., JR. (S'57-M'59), Engr., Philoc Corp., 4700 Wissahikon Ave., Philadelphia 44, Pa.

 KLEYN, PETER A. (M'59), Sr. Electronics Engr., Rheem Mfg. Co., 9236 E. Hall Rd., Downey, Calif.

 KLICPERA, MILHART F. (A'48), 4210 S. MacGregor Way, Houston 21, Tex.

 KLEIVER, WALDO H. (SM'57), 2472 Overlook Rd., Cleveland 6, Ohio.

 KLIFWER, DONALD L. (A'59), Engrg. Alde, Telex, Inc.,

- Cleveland 6, Ohio.
 KLIEWER, DONALD L. (A'59), Engrg. Alde, Telex, Inc.,
 1633 Eustis, St. Paul, Minn.
 KLIMA, WALDEMAR M. (S'38-A'41-M'55), Chief Engrg.
 Staff, Foreign Broadcasting Information Branch, CIA, 2430
 E. St., N.W., Washington 25, D.C.
 KLIMAN, GERALD B. (S'52-M'56), Teaching Asst.,
 MIT, Cambridge 39, Mass.

- MIT, Cambridge 39, Mass.

 KLIMAN, MERWIN (S'53-A'55), Engr., Sperry Gyroscope
 Co., Great Neck, L.1., N.Y.

 KLIMBERG, JOSEPH (A'55), Supvr. Quality Assurance,
 Convair-Astronautics, San Diego, Calif.

 KLIMBEK, JOHN C. (S'57-M'59), Mem. Tech. Staff, Hughes
 Aircraft Co., Cuiver City, Calif.

 KLIMEK, THOMAS F. (S'58-M'59), Engr., Bendix Prods.
 Div., Missiles, 400 S. Beiger St., Mishawaka, Ind.

 KLIMENT, PAUL (A'47), Supvr., Equipment Repair &
 Calibration, Hoffman Labs., Inc., 3761 S. Hill St.,
 Los Angeles 7, Calif.

 KLIMKO, CHARLES A. (S'53-A'55), Electronics Engr., Le-
- Los Angeles 7, Calif.
 KLIMKO, CHARLES A. (S'53-A'55), Electronics Engr., Lehigh Design Co., Inc., 260 Mulberry St., Newark, N.J.
 KLIMOWSKI, FRANK, JR. (SM'57), Project Leader, Stavid Engr., Inc., Hwy. 22, Plainfield, N.J.
 KLIMPL, EMIL W. (M'57), U. S. Army, APO 613, San
 Francisco, Calif.
- Transformer Corp., 297 N. 7 St., Brooklyn 11, N.Y.

- KLINE, ARTHUR J. (A'52-M'57), Control Systems
 Design Engr., GE Co., Evandale, Ohio.
 KLINE, ARTHUR J., JR. (M'5B), Project Engr., Motorola,
 inc., 3102 N. 56 St., Phoenix, Ariz.
 KLINE, BERNARD H. (A'57), Advanced Circuit Dev. Engr.,
 Boland & Boyce, Inc., Assigned to GE Co., Syracuse,
 N
- N.Y.
 KLINE, CHARLES R. (M'58), Project Engr., Westing-house Elec. Corp., Box 746, Baltimore 3, Md.
 KLINE, DDNALD C. (S'55-M'57), Rep., Autonetics Div., No. Amer. Aviation, 485 Lexington Ave., New York 17, N.V.

- No. Amer. Aviation, 485 Lexington Ave., New York 17, N.Y.

 KLINE, FREDERICK S. (S'35-A'35-VA'39), Chief Plans Sect., Electronics Research Directorate, Air Force Cambridge Research Center, 8edford, Mass.

 KLINE, JACK (SM'54), Head, Engrg. & Mfg., Tube Div., Sanders Associates, Inc., Nashua, N. H.

 KLINE, KENNETH H. (SM'56), Engrg. Specialist, Atomics Internati., 8ox 309, Canoga Park, Calif.

 KLINE, LOUIS M. (A'47-SM'55), Executive Engr., Underwriters Labs., Inc., 207 E. Ohio St., Chicago 13, Ill.

 KLINE, MARVIN E. (S'55-M'58), Elec. Engr., Phillips Petroleum Co., 177 N. Johnstone, Bartlesville, Okla.

 KLINE, MELVIN 8. (A'43-M'44-SM'48), Mgr., Alien 8.

 DuMont Labs., Inc., 11800 Olympic Blvd., Los Angeles 64, Calif.

 KLINE, MORRIS (M'47), Prof., Mathematics, New York Univ., Washington Sa., New York 3, N.Y.

 KLINE, RAYMOND M. (M'56), Sr. Engr., McDonnell Aircraft Co., St. Louis, Mo

 KLINE, ROBERT L. (A'28), Mgr., Elwyn W. Ley Co., 16514 S. Garfield Ave., Paramont, Calif.

 KLINE, SEYMOUR (A'48-M'55), Engr., RCA, Camden, N.J.

- KLINE, SIDNEY R. (S'53-A'54), Elec. Engr., Industrial Electronic Engrs., 3973 Lankershim Blvd., North Holly-wood, Calif.
- wood, Calif.

 KLINECT, RAYMOND R. (S'56-M'59), 3007 N. Shortridge, Indianapolis 26, Ind.

 KLINESTIVER, GORDON H., JR. (M'57), Tube Application
 Engr., Sylvania Elec. Prods., Inc., Emporlum, Pa.

 KLING, JOHN J. (SM'59), Asst. Supt., Engrg., Western
 Electric Co., 1227 E. 119 St., Grandview, Mo.

 KLING, NORMAN (A'54), Sr. Electronics Engr., McDonnell
 Aircraft Corp., Box 516, St. Louis 66, Mo.

 KLINGAMN, GEORGE W. (S'38-A'41-M'55), Engr.,
 RCA, Camden, N.J.

 KLINGER ST. (S'55-M'57) Systems Control

- KLINGBEIL, HERBERT N. (S'55-M'57), Systems Control Engr., Canadian GE Co., CAPD, Peterborough, Ont.,
- KLINGE, WALTER H. (S'52-M'57), Mem. Tech. Staff, Space Technology Labs., Inc., 5500 EI Segundo Blvd., Los Angeles 45, Calif. KLINGENBERGER, JAMES L. (M'58), Prof. & Head, Elec. Engro. Dept., Onio Northern Univ., 525 N. Main, Ada, Ohio.
- KLINGERMEIER, PAULL (S'55-M'59), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y. KLINGER, ALLEN (S'56-M'59), Engr., ITT Labs., Nutley 10, N.J.

- 10, N.J.
 KLINGLER, DAVID E. (S'51-A'52-M'56), Electronics Engr.,
 Bendix Systems Div., Ann Arbor, Mich.
 KLINGLER, EUGENE H. (M'56), Instr., Elec. Engrg.,
 Camegie Institute of Technology, Schenley Park, Pittsburgh
 13, Pa.
- 13, Pa.
 KLINGLER, GERALD R. (S'54-M'56), Instrument Engr.
 GE Co., Richland. Wash.
 KLINGLER, JACK E. (A'56), Supvr., Telemetering Ground
 Sta., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.
- KLINGLER, RALPH R. (S'48-A'51-M'58), Equipment Specialist Armament, Rock Island Arsenal, Rock Island, III.
- III.
 KLINGMAN, WALLACE A. (M'56), Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 KLINK, ERWIN J. (M'39), Tech. Advisor, 4925th Test
 Group (Atomic), Kirtland AFB, N.M.
 KLINK, GRANVILLE, JR. (A'38), Chief Engr., STOP-AM-FM-TV, 40 & Brandywine Sts., N.W., Washington 16,
- KLINKE, ELTON R. (S'49-A'49-M'55), Elec. Engr., U.S. Bureau of Reclamation, Power Operations Branch, Box 2511, Sacramento 11, Calif.
- Sacramento 11, Carir.
 KLINKO, EDWARD H. (A'50), Radio Engr., New York State
 Electric & Gas Corp., 62 Henry St., Binghamton, N.Y.
 KLION, JEROME (M'57), Electronics Scientist, Rome Air
 Development Center, Griffiss AFB, N.Y.
 KLIORE, ARVYDAS J. (S'56-M'58), Asst. Elec. Engr.,
 Amour Research Foundation, 10 W. 35 St., Chicago
 16, III.
- KLIPHUIS, JANS (M'59), Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P.Q., Canada. KLIPPER, HAROLD (S'52-A'54), Project Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City, 1, N.Y.
- N.Y.

 KLIPPER, STANLEY (S'48-4'51-M'58), Sect. Head, Polytechnic Research & Development Co., Inc., 202 Tillary St., Brooklyn 1, N.Y.

 KLIPSCH, PAUL W. (A'34-M'44-SM'45), Pres., Klipsch & Associates, Inc., Box 96, Hope, Ark.

 KLIROS, DONALD E. (S'58-M'59), 204 Cranberry Dr., Liverpool, N.Y.

 KLISCHER, GEORGE A. (M'56), Jr., Engr., Litton Industries, 4910 Calver Rd., College Park, Md.

 KLISE, KENNETH W. (M'53), Project Mgr., Page Communications Engrs., 710 14 St., N.W., Washington 5, D.C.

 KLIVANS, NORMAN R. (M'56), Genl. Sales Mgr., Brush Instruments, 37 & Perkins Ave., Cleveland 14, Ohlo.

 KLOCK, HAROLD F. (S'53-M'56), Asst. Pprf., Elec.
 Engrs., Case Institute of Technology, 10900 Euclid Ave., Cleveland 6, Ohlo.

 KLODT, ROBERT A. (S'56-M'58), Engr., Antenna &

- Ave., Lieveland 6, Ohlo.

 KLODT, ROBERT A. (5'16-M'58), Engr., Antenna &
 Matching Systems, Dept. of Natl. Defence, Montreal Rd.,
 Ottawa, Ont., Canada.

 KLOEFFLER, ROYCE G. (SM'46-F'53), Chief Engrg. Services Branch, Natl. Security Agency, Washington, D. C.

 KLOEPPING, JOHN (A'55), Designer, I8M, Kingston,
 N. Y.
- KLOGA, PETER J. (S'47-A'48-M'55), Engr., Motorola, Inc., 4545 W. Augusta Bivd., Chicago 51, III.

KLOK, BERNARD (A'54), Combination Man, Class A, Telenhone Co., 768 Seymour St., Vancouver Z, B. C., Canada. KLONTZ, WALTER C. (M'57), Mgr., Quality Control, Motoriola Research Lab., 3102 N. 56 St., Phoenix, Ariz. KLOPFENSTEIN, LEWIS R. (A'52-M'55), Chief Prod. Engr., Grieder Industries, Portage, Dhio. KLOPFENSTEIN, RALPH W. (S'44-A'46-M'50-SM'54), Research Engr., RCA Labs., Princeton, N. J. KLOS, EUGENE R. (M'58), Asst. Mgr., Columbia Mill, Peter J. Schweitzer Div., Kimberly Clark Corp., Lee, Mass. KLOSE, ROBERT C. (S'52-A'54-M'59), Chief Engr., P. F. N. Div., Filtron Co., 131-15 Fowler Ave., Flushing 55, L.I., N.Y.

- 250 ~

- KLOSTER, DAVID E. (A'56), Genl. Inspector, A. D. T. Co., Inc., 155 6 Ave., New York 13, N. Y. KLOTTER, KARL (SM'55), Prof., Engrg. Mechanics, Stanford Univ., Stanford, Calif. KLOTZ, CARL G. (S'56-M'59), Elec. Engr., RCA, Moorestown, N. J.

- KLOTZ, EDMOND S. (SM'59), Engr., Research Scientist, Tasker Instrument Corp., 3349 Cahuenga, Hollywood 28, Calif.
- KLOTZ, ERNEST W. K. (SM'56), Mgr., Engrg., Radio TV, Rec., Audio Devices, Telefunken GmbH, Goettinger-Chaussee 76, Hannover, West Germany.
- KLOTZ, HERMAN J. (SM'57), Dev. Engr., 18M, Endicott, N.Y.
- Endicott, N.Y.

 KLOTZ, JOHN W. (M'46), Dir., Defensive Missiles Div.,
 Office of The Secy. of Defense, Guided Missiles, The
 Defense Bidg., Washington 25, D.C.
- KLOTZBAUGH, GEORGE A. (A'44-M'55-SM'58), Research Engr., Westinghouse Research Lab., 8eulah Rd., Pittsburgh 35, Pa.
- 35, Pa.
 KLUCARICH, STEPHEN (A'53), Maj., USAF, Hgrs., TAC, Langley AF8, Hampton, Va.
 KLUCK, JAMES H. (S'50-A'51-M'56), Asst. Research Group Engr., Convair, San Diego 12, Calif.
 KLUEHE, WILLI (S'50-A'51-M'56), Projects Engr., Radio Free Europe, Englischer Garb, Projects Engr., Radio Free Europe, Englischer Garten 1, Munich, Germany; Free Europe Committee, Inc., 2 Park Ave.,

- New York 16. N.Y.

 KLUENDER, EDWARD C. (A'41-SM'47), Engrg. Supvr.,
 GE Co., Syracuse, N.Y.

 KLUG, STANLEY H. (S'47-A'5D-M'57), Engr., Airborne
 Instrument Lab., Mineola, L.I., N.Y.

 KLUGE, JAMES E. (M'59), Mgr., Electronic Prod. Design
 & Dev., Ampex Audio, Inc., 1020 Kifer Rd., Sunnyvale,
 Calif.
- KLUGER, ISAAC A. (M'58), Research Engr., Ministry of Defince, Scientific Dept., Box 7063, Hakirya, Tel-Aviv, Israel.
- KLUGMAN, ARNOLD I. (S'55-M'56), Elec. Engr., Watson Scientific Computing Lab., IBM, 612 W. 115 St., New York 25, N.Y.

- KLUGMAN, AKNOLD 1. (S'55-M'56), Elec. Engr., Watson Sclentlife Computing Lab., IBM, 612 W. 115 St., New York 25, N.Y.

 KLUMB, HARVEY J. (A'26-VA'39-M'55), Supt., Electric Operations & Planning, Rochester Gas & Electric Corp., 89 East Ave., Rochester 4, N.Y.

 KLUMPEN, RONALD D. (A'57), 216-06 110 Ave., Queens Village 29, L.I., N.Y.

 KLUVER, BILLY (A'54), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 KLUZNICK, RONALD P. (S'57-M'59), Systems Dev. Engr., Philoc Western Development Labs., 3875 Fablan Way, Palo Alto, Calif.

 KLYCE, BATTLE H. (S'37-A'40-SM'50), Tech. Coordinator, Subscription Service Div., Time, Inc., 540 N.

 Michigan Ave., Chicago 11, I'ime, Inc., 540 N.

 Michigan Ave., Chicago 11, I'ime, Inc., 540 N.

 KMIEC, WILLIAM J. (A'44), Test Equipment Engr., Motorola, Inc., 940 IW. Grand Ave., Franklin Park, III.

 KMIEC, WILLIAM J. (A'44), Project Engr., Teterboro, N.J.

 KMOSKO, JAMES A. (A'44), Project Engr., Stavid Engr., Inc., U.S. Hwy. 22, Plainfield, N.J.

 KNACK STEDT, GEORGE (A'54), Pres., Sales Engr., Ridgway Engre, Inc., 6100 W. North Ave., Chicago 39, III.

 KNAK, JAMES L. (S'57-M'59), Jr. Research Engr., Sendix Aviation Corp., Sidney, N.Y.

 KNAPP, AFTHUR J. (S'47-A'59), Jr. Research Engr., Gendix Aviation Corp., Sidney, N.Y.

 KNAPP, GHARLES H. (S'53-A'54-M'59), Instrumentation.

 KNAPP, GEORGE P. (SM'58), Dir., Engrg., Sanborn Co., 175 Wyman St., Waltham 54, Mass.

 KNAPP, JULIUS Z. (S'49-A'50-M'55), Instrumentation
 Sect. Head, Schering Corp., 86 Orange St., Bloomfield, N.J.

- 55, Mass.
 KNAPP, JULIUS Z. (S'49-A'50-M'55), Instrumentation
 Sect. Head, Schering Corp., 86 Orange St., Bloomfield, N.J.
 KNAPP, ROBERT L. (S'49-A'50-M'55), Dev. Engr.,
 Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif.
 KNAPP, STANLEY L. (S'52-A'53), Jr. Mem. Tech. Staff,
 ITT Labs., 937 Commercial St., Palo Alto, Calif.
 KNAPP, THERON W., JR. (S'57-M'58), 1118 11 Loop,
 Sandia Base, Albuquerque, N. M.
 KNAPP, WARREN H. (A'56), Supvr., Power & Communications, Overseas Installation, Missile Div., Chrysler Corp.,
 Box 2628, Detroit 31, Mich.
 KNAPP, WARREN S. (S'55-M'57), Program Engr., GE Co.

- tions, Overseas Installation, Missile Div., Chrysler Corp., Box 2628, Detroil 31, Mich.
 KNAPP, WARREN S. (S'55-M'57), Program Engr., GE Co., Schenectady, N. Y.
 KNAPS, CHARLES E. (M'51), Production Engr., The Magnavox Co., Bueter Rd., Ft. Wayne, Ind.
 KNAUER, PAUL E. (S'51-A'52-M'57), Asst. Engr., The Magnavox Co., Bueter Rd., Ft. Wayne, Ind.
 KNAUER, PAUL E. (S'51-A'52-M'57), Asst. Engr., The Magnavox Co., Bueter Rd., Ft. Wayne, Ind.
 KNAUERT, WILLIAM F. (M'52), Research Engr., Sonotone Corp., Elmsford, N. Y.
 KNAUF, GEORGE M. (M'56), Staff Surgeon, Air Force Missile Test Center, Patrick AFB, Fla.
 KNAUL, JOHN E. (A'47-M'55), Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blud, Santa Monica, Calif. KNAUSENBERGER, GEORGE E. (A'49-M'55), Staff Engr., Div. Chief, Consultant, HRB, Avco, Pennsylvania State Univ., 478 E. Beaver Ave., State College, Pa.
 KNAUSS, DANIEL L. (S'53-A'55), Electronics Engr., Coast Guard Electronic Engr., Sta., Wildwood, N. J.
 KNAUSS, HAROLD P. (M'46), Head, Dept. of Physics, Univ. of Connecticut, Storrs, Conn.
 KNAUSS, HOMER C. (A'45-M'47-SM'50), Mgr., Raytheon Mfg. Co., Maynard, Mass.

- KNAUSS, RAYMOND G. (S'52-A'53-M'58), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.
 KNEALE, ALLAN T. (A'48-M'51), Sr. Engr., Motorola, Inc., Phoenix, Ariz.
 KNECHT, ROBERT O. (S'51-A'52-M'58), Sr. Engr., Research Autonetics Div., No. Amer. Aviation, Downey, Calif.
 KNECHT, RODNEY A. (S'48-A'51-SM'56), Sr. Engr., Sperry Gyoscope Co., Great Neck, L. I., N. Y.
 KNECHTEL, ROBERT E. (S'56-M'59), Engr., Automatic Electric Co., Northiake, Ill.
 KNECHTLI, RONALD C. (M'54), Group Head, Research Physicist, Hughes Aircraft Co., Culver City, Calif.
 KNEEN, WILLIAM (M'49-SM'56), Chief Project Engr., Analytical & Control Instrument Div., Consolidated Electrodynamics Corp., 360 N. Sierra Madre Villa, Pasadena, Calif.
- trodynamics Corp., 360 N. Sterra Madre Villa, Pasadena, Calif.

 Kalif., EUGENE A. (M'56), Asst. Staff Engr., Servomechanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif. KNEPPER, ROBERT C. (S'53-A'54-M'57), Mem. Tech. Staff, Hushes Aircraft Co., Fullerton, Calif. KNIAZUK, MICHAEL (A'39-M'55), Mor., Tech. Services, Merck, Sharp & Dohme Research Labs., Rahway, N. J. KNICKEL, E. RAY (M'59), Electronics Officer, Staff, Cmdr. Mine Forces, Atlantic Fleet, Charleston, S. C. KNICKERBOCKER, CALVIN H. (M'57), Applied Science Rep., 18M, 426 Franklin St., Schenetady, N. Y. KNICKERBOCKER, JAMES L. (M'57), Asst. Prof. & Student Advisor, Elec. Engrg. Dept., Univ. of Arizona, Tucson, Ariz.

- Tucson, Ariz.
 KNICKERBOCKER, LEON, JR. (M'56), Engr., GE Co.,
 Syracuse, N. Y.
 KNICKREHM, ALLEN F. (A'54), Owner, The Knickrehm
 Co., Los Angeles 26, Calif.
 KNIERIEM, HOWARD W. (A'56), TV Operator, WRCV-TV,
 1619 Walnut St., Philadelphia 3, Pa.
 KNIGHT, A. GORDON (A'51), Engro. Dept., North West
 Telephone Co., 2226 W. 10 Ave., Vancouver 9, B.C.,
 Canada.
- Telephone Co., 2226 W. 10 Ave., Vancouver 9, B.C., Canada.

 KNIGHT, ARTHUR R. (M'44-SM'46), Electronics Engr., USAF, Wright-Patterson AF8, Dhio.

 KNIGHT, C. RAYMOND (M'45-SM'52), Tech. Dir., Arine Research Corp., 1700 K St., Washington, D. C.

 KNIGHT, DENNIS J. (M'56), Experimental Officer, Rothamsted Experimental Sta., Harpenden, Herts., England.

 KNIGHT, DUDUCLAS E. (M'56), Morr, Natl. Conventions & Exhibits, I8M, Military Prods. Div., 590 Madison Ave., New York 22, N.Y.

 KNIGHT, DUDLEY G. (M'56), Owner, Knight's Communication Service, 1020 Stayton St., Ft. Worth, Tex.

 KNIGHT, G. LLOYD (M'58), Assoc. Atty., Cushinan, Darby & Cushman, 716 American Security Bidg., Washington 5, D.C.

 KNIGHT, GEOFFREY, JR. (M'56), Editor, Publisher, Consultant, Semiconductor Information Service, Semiconductor Electronics, 100 Memorial Dr., Cambridge 42, Mass.

 KNIGHT, GEORGE M. (A'51), Field Engr., Dominion Bridge Co., Ltd., Boundary Rd., Burnaby, B.C., Canada.

 KNIGHT, HERBERT M. (A'46-M'55), Asst. Chief, Air Traffic Cortrol Techniques Lab., Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 KNIGHT, JEPP (A'54), Asst. Project Engr., Radiation, inc., Melbourne, Fia.

 KNIGHT, JOHN B., JR. (A'42-M'43-SM'43), Engr.-in-Chg., KRCA, NBC, Mount Wilson, Calif.

 KNIGHT, JOHN D. (S'49-A'50-M'55), Sr. Electronics Engr., Convair, Pomona, Calif.

- KNIGHT, JOHN D. (S'49-A'50-M'55), Sr. Electronics Engr., Convair, Pomona, Calif.
 KNIGHT, JOHN H. (S'51-A'54-M'59), Engr., Western Union, 2028 Main St., Dallas, Tex.
 KNIGHT, JOHN R. (SM'58), Hgrs. 19 Bombardment Wing, Homestead AFB, Fla.

- Homestead AFB, Fla.

 KNIGHT, JOSEPH D. (A'56), Chief Engr., Radio Sta. KDSX, 80x 263, Denison, Tex.

 KNIGHT, LOYD A. (S'55-M'58), Jr. Engr., Radiation, inc., Melbourne, Fla.

 KNIGHT, LYNNON J. (A'53), Electronics Engr., U.S. Army Electronics Proving Ground, Ft. Huachuca, Ariz.

 KNIGHT, M., BERWYN (M'54-SM'58), Engr., Advance Dev., RGA, Harrison, N. J.

 KNIGHT, PAUL (S'48-A'51-M'58), Chief Elec, Engr., J.A. Maurer, Inc., 37-01 31 St., Long Island City 1, N.Y.

- N.Y.

 KNIGHT, ROBERT M. (S'53-M'56), Elec. Engr., Johns Hopkins Univ., Silver Spring, Md.

 KNIGHT, ROBERT T. (M'55), Elec. Engr., ITT Labs., Nutley 10, N.J.

 KNIGHT, ROBERT W. (S'51-A'52-M'56), Engr., Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.

 KNIGHT, SIDNEY G. (A'26-M'55), Dir. U Mgr., Oxtey Developments (Deal), Ltd., 72/74 Dov. U Mgr., Oxtey Kent, England.
- KRIGHT, STEPHEN J., JR. (S'48-A'49-M'55), Pres., Technical Equipment Corp., 917 Acoma, Denver, Colo. KNIGHT, WESLEY W. (S'52-A'55), Engr., GE Co., Syracuse, N.Y.
- Syracuse, N. Y.

 KNIGHT, WILLIAM 1. (S'53-M'56), Sr. Electronics
 Engr., Motorola, Inc., 8201 E. McDowell Rd.,
 Phoenix, Ariz.

 KNIGHTS, CHARLES F. (S'48-A'50-M'55), Asst. Chief
 Project Administrator, Hazeltine Electronics Div., Little
 Neck 62, L. I., N. Y.

- Neck 62, L.I., N.Y.

 KNIGHTS, GEORGE F. (M'58), Pin, % F.E.C., Box 2330, Edmonton, Alta., Canada.

 KNIGHTS, JOHN E., JR. (M'50-SM'56), Systems Analyst, HMED, GE Co., Syracuse, N.Y.

 KNIGHTS, STANLEY F. (A'41-M'46-SM'50), Chief Dev. Engr., Elec. Engr.-in-Chief, Dept. Nail. Defense (Navy), "C" Bldg., Ottawa, Ont., Canada.

 KNIPE, W. MULFORD (A'45), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 KNIPE, W. THOMAS (M'57), Assoc. Scientist, Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.
- KNIPP, CHARLES W. (M'56), Genl. Mgr., Advance Winding Co., 2813 E. Washington St., Indianapolis 1, Ind. KNITEL, ERICH J. M. (A'54-M'55-SM'59), Staff Engr., Shawinigan Water & Power Co., 600 Dorchester St., West Montreal, P.O., Canada.
- KNITTEL, GEORGE H. (S'58-M'60), Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.

- KNITTLE, DDNALD L. (A'47), Sr. Engr., Northrop Aircraft, Inc., Hawthome, Calif.
 KNOBBE, LOUIS J. (S'52-A'54-M'59), Patent Engr., No. Amer. Aviation, Downey, Calif.
 KNOBLAUCH, ARTHUR, JR. (S'46-A'49-M'55), 1662
 W. Minnehaha, St. Paul 4, Minn.
 KNOBLAUCH, ARMAND F. (A'33-M'44-SM'54-F'5B), Prof., Physics, Univ. of Cincinnati, Cincinnati 21, Ohio. KNOBLOKC, GILBERT C. (A'59), V.P., Knoblock & Malone, Inc., 1603 N. Newland, Chicago 35, Ill.
 KNOCHEL, WILLIAM J. (A'36-M'53-SM'57), Mgr., Rayescent Lamp Engrg., Westinghouse Elec. Corp., Bloomfield, J.J.
 KNOCKLEIN, HERMAN P. (S'54-A'55), Sr. Servo Engr.,
- KNOCKLEIN, HERMAN P. (S'54-A'55), Sr. Servo Engr., G. B. Electronics Corp., Hook Creed Blvd., Valley Stream, L.I., N.Y.

- K. D. L. Incurrence Corp., riook Creed Blvd., Valley Stream, L.1., N.Y.

 KNODLE, RICHARD L. (A'52-M'57), Electronics Engr., U.S. Naval Ordnance Lab., 5liver Spring, Md.

 KNOEBEL, HOWARD W. (S'50-M'51), Research Assoc. Prof., Control Systems Lab., Univ. of Illinois, Urbana, III.

 KNOELLER, RICHARD W. (S'56-M'58), Or. Engr., GE Co., Ilhaca, N.Y.

 KNOER, HOWARD (A'54-SM'58), Sr. Engr., Avion Civ., ACF Industries, 800 N. Pitt St., Alexandria, Va.

 KNOLL, DANIEL W. (S'46-M'88-M'56), Tech. Liaison Project Engr., Hughes Aircraft Co., Culver City, Calif.

 KNOLL, MAX (SM'51), Research Physicist & Prof., Elec. Engr., Technical Univ., 21 Arcis St., Munich, West Germany.
- KNOOB, GORDON 8. (A'53-SM'56), Western Regional Rep., Military Electronics Div., 1741 Ivar Ave., Hollywood 28,
- Catif.

 KNDDP, WALTER A., JR. (A'42-M'48-SM'57), Partner, Gawier-Knoop Co., 178 Eagle Rock Ave., Roseland, N.J. KNDPF, ALOIS J. (A'57), Electronic Scientist, U.S. Army Engrs., Research Dev. Labs., Ft. Belvir, Va. KNDPOW, HOWARD S. (A'53-M'58), Pres.-in-Che. of Engrs., Transformer Design, Inc. of Milwaukee, 73-77 N. 76 St., Milwaukee 18, Wis.

- Engrg., Transformer Design, Inc. of Milwaukee, 7377 N. 76 St., Milwaukee 1B, Wis.

 KNOPP, GORDON L. (S'55-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 KNOPP, IRWIN L. (M'48), Chief Engr., WAKR-AM-FM-TV, 853 Copley Rd., Akron 20, Ohio.

 KNORPP, JOHN L., JR. (M'57), Project Engr., Philco Corp., 3875 Fabian Way, Palo Alto, Calif.

 KNORR, WILLIAM G., JR. (A'51-M'56), Navigation & Control Sect. Chief, Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 KNOTE, WILLIAM E. (S'56-A'57), Instrumentation Supvr., Convair, Ft. Worth, Tex.

 KNOTHE, CHARLES H. (M'57), Assoc Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 KNOTT, JOHN G. (M'56), Instrument Engr., Orends Engines, Ltd., Box 4015, Term A, Toronto, Ont., Canada.

 KNOTT, ROBERT S. (S'57-M'58), Asst. Engr., Canadian Pacific Railway, 1255 Phillips Square, Montriat, P.O., Canada.

- Canada.

 KNOUF, RALPH J. (A'26-M'33-SM'43), Govt. Engr., Wells Gardner & Co., 2701 N. Kildare, Chicago 39, Ill.

 KNOUSE, GEORGE H. (M'57), Systems Engr., Martin Co., Baltimore 3, Md.

 KNOUSE, ROYCE H. (S'54-A'54), Dev. Engr., RCA, Camden, N.J.

 KNOWLES, C. HARRY (M'55), Prod. Mgr., Mesa Transistors, Semiconductor Prods. Div., Motorola, Inc., 5005 E. McDowell rd., Phoenix, Ariz.

- en ru., rnoenix, Ariz.
 KNOWLES, CHARLES U. (S'52-M'56), Field Engr.,
 Western Electric Co., Chatham Rd., Winston-Salem, N.C.
 KNOWLES, CLIFTON C. (A'53), Lewyt, 90 Broadway,
 Brooklyn, N.Y.
- Brooklyn, N.Y.

 KNOWLES, DAVID J. (S'41-A'43-M'45-SM'53), Dev.
 Engr., Urlion Carbide Nuclear Co., Oak Ridge Natl. Lab.,
 Oak Ridge, Tem.

 KNOWLES, DAVID M. (S'50-A'51-M'55), Engr., RCA
 Service Co., Missile Test Project, Patrick AFB, Fla.

 KNOWLES, DEWEY D. (A'47-SM'50), Mgr., Camera
 Tube Dept., Westinghouse Elec. Corp., Box 2B4,
 Elmira, N.Y.

- Tube Dept., Westinghouse Elec. Corp., Box 2B4, Elmira, N.Y.
 KNOWLES, EDWIN R. (M'56), Tech. Planner, Plans & Engro. Div., Directorate of Combat Developments, U.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz. KNOWLES, HUGH S. (A'25-F'41), Consulting Engr., Pres., Div. of Research, Industrial Research Product; Pres., Knowles Electronics, 9400 Belmont Ave., Franklin Park, Ill. KNOWLES, JOHN E. (A'56), Pres., Instronics, Ltd., 11 Spruce, Stittsville, Ord., Canada. KNOWLES, RICHARD D. (M'55), Sales Engr., Raytheon Mfg. Co., 589 5 Ave., New York 17, N.Y.
 KNOWLES, ROBERT B. (S'43-A'45-M'51), Chief, Elec. Systems Div., Naval Ordnance Lab., Silver Spring, Md. KNOWLES, ROBERT G. (A'58), Field Engr., Enerson Radio & Phonograph Corp., 1140 East-West Hwy., Silver Spring, Md.
 KNOWLES, WALTER A. (A'57), Instrumentation Services, Sylvania Elec. Prods., Inc., Box 997, Mountain View, Calif. KNOWLES, WILLIAM N. (A'52-M'57), Dev. Engr., Motorola Research, Inc., 8201 E. McDowell Rd., Phoenix, Ariz. KNOWLES, WILLIAM N. (A'52-M'57), Dev. Engr., Motorola Research, Inc., Box 1874, Silver Spring, Motorola Research, Inc., Box 1874, Silver Silver Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.
 KNOWLTON, ALFRED D. (SM'46), Dir., Apparatus Dev., 2811 Tell abs. Murray Hill. N.
- Angeles 04, call.

 KNOWLTON, ALFRED D. (SM'46), Dir., Apparatus Dev.,
 Bell Tel. Labs., Murray Hill, N. J.

 KNOWLTON, CYRUS S. (A'53-M'55), Tech. Staff Rep.
 for Research & Dev. Materiel, Hughes Aircraft Co., Culver
 City, Calif.
- City, Calif.
 KNOWLTON, KENNETH R. (M'50), Engr., Dept. of Transport,
 Gov. of Canada, 1 Front St., W., Toronto 1, Ont., Canada.
 KNOWLTON, REGINALD F. (M'53), Sr. Facilities Engr.,
 Plant Planning, Boeing Airplane Co., Wichita, Kan.
 KNOX, CARL B. (S'52-A'54-M'59), Sect. Head, U.S.
 Govt., Nayal Security Engro. Facility, 3801 Nebraska
 Ave., Washington 25, D.C.

- Ave., Washington 25, D.C.
 KNOX, DOUGLAS E. (S'55-M'56), Jr. Engr., Canadair,
 Ltd., St. Laurent, P. Q., Canada
 KNOX, JAMES B. (A'34-SM'46-E'51), Mgr., RCA Victor
 Co., Ltd., 1001 Lenoir St., Montreal 30, P. Q., Canada.
 KNOX, JAMES L. (S'42-A'44-M'55), Missionary, Central
 Philippine Univ., Iloilo City, Philippine Islands.

- KNOX, JOHN G. (M'53), Pres., Nafisco, Inc., 4152
 Warren, Hillside, Ill.
 KNOX, LEWIS A. (M'47), Advisory Engr., IBM, Owego. N.Y.
 KNOX, PHILANDER C. (M'55-SM'57), Pres., East Coast
 Liaison, Inc., Box 243, Lutherville, Md.
 KNOX, ROBERT L. (A'53-M'5B), Electronics Design Engr.,
 GE Co., Syracuse, N. Y.
 KNOX, ROBERT M. (S'56-M'5B), USN, USS Piedmont
 (A0 17), FPO, San Francisco, Calif.
 KNOX, ROBERT W. (S'50-A'52-M'56), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N. Y.
 KNOX, WILLIAM B. (S'50-A'52-M'57), Assoc. Project
 Engr., Maico Electronics, Inc., 123 N. 3rd St.,
 Minneapolis I, Minn.
 KNOX, WILLIAM E., JR. (S'50-A'51), 30 Vermon Rd.,
 Scarsdale, N. Y.
 KNDX, WILLIAM G. (A'44), Supvr., Engr., Bell Tel. Co.
 of Pennsylvania, 416 7 Ave., Pittsburgh 19, Pa.
 KNUDSEN, ALBERT C. (M'57), Staff Engr., Nortronics
 Div., Northrop Aircraft, Inc., 500 E. Orangethorpe,
 Anahelm, Calif.
 KNUDSON, BRENTON C. (M'58), Group Leader, Semiconductors. Bast incharge lear Corn. Box 746 Rablimore 3

- KNUD SON, BRENTON C. (M'58), Group Leader, Semiconductors, Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
- MO.
 KNUDSON, DONALD R. (M'59), Asst. Project Engr.,
 Specialties, Inc., Skunks Misery Rd., Syosset, L.I., N.Y.
 KNUDSON, JACK A. (S'50-A'52-M'57), Box 2517,
 Stanford Univ., Stanford, Calif.
- KNUDSON, LEWIS I. (S'40-A'41-M'56), Dir. Research & Dev., Genl. Lab. Associates, Inc., 17 E. Railroad St., Norwich, N.Y.
- Norwich, N.Y.

 KNUTSEN, HAROLD L., JR. (M'59), Electronics Engr.,
 San Francisco Naval Shipyard, San Francisco 24, Calif.
 KNUTSON, HENRY C. (A'30-M'55), 1309 Siade Run Dr.,
 Falls Church, Va.
 KO, HSIEn-CHING (S'53-M'56), Asst. Prof., Dept. of Elec.
 Engr., Ohio State Univ., Columbus 10, Ohio.
 KOBAYASHI, HERBERT K. (M'59), Research Asst., Willow
 Run Labs., Univ. of Michigan, Ann Arbor, Mich.
 KOBAYASHI, JACK T. (M'57), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.
 KOBAYASHI, KOJI (SM'59), Exec. Dir., Nippon Electric
 Co., Ltd., Shiba Mita Shikoku-Machi Minato-Ku, Tokyo,
 Japan.

- KOBAYASHI, NAOMICHI (A'59), % Daijoin, 880 Hinokuchi, Matsudo-Shi, Chiba-Ken, Japan.
 KOBAYASHI, ROBERT (M'58), Assoc. Engr., instrumentation Research & Dev. Lab., Norair Div., Northrop Aircraft, Inc., Hawthome, Calif.
- KOBB. THADDEUS J. (M'59), Jr. Engr., IBM, Owego, N.Y. KOBBE, JOHN R. (M'55), Circuit Design Engr., Tektronix, Inc., Box 831, Portland, Ore.
- KOBER, BRUCE K. (S'55-M'56), Electronics Engr., Writer, Hoffman Labs. Div., 3740 S. Grand Ave., Los Angeles 7, Calif.
- KOBER, CARL L. (A'55-SM'57), V.P., Dir., Systems Engrg., Crosley Div., Avco Mfg. Corp., 1325 Arlington St., Cincinnati 25, Ohio.
- KOBETICH, EDWARD A. (M'56), Design Engr., Norden Div., United Aircraft Corp., 13210 Chrenshaw Blvd., Cardena, Calif.
- KOBILSKY, MANUEL J. (A'39-M'55), Borges 62B, Olivos F.C.G.B.M., Buenos Aires, Argentina. KOBILBUZ, A. MORRIS (M'54), Physicist, Fischer & Porter Co., County Line Rd., Hatboro, Pa.

- KOBLENZ, A. MORRIS (M*54), Physicist, Fischer & Porter Co., County Line Rd., Habboro, Pa.

 KOBLICK, SOL N. (A*59), 691 Hillside Ave., North White Plains, N. Y.

 KOBLIN, SAUL R. (S*53-A*53), Elec. Engr., RCA Victor, Ltd., 1001 Lenoir St., Montreal, P. Q., Canada.

 KOBOLD, JOHN W. (A*55), Field Engr., Philico Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 KOCAN, JOSEPH (S*48-A*50-M*55), Assoc. Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 KOCH, ALFRED A. (M*58), Chief, Test Project C, Research & Dev. Mfg. Corp., Lowell St., Wilmington, Mass.

 KOCH, ARTHUR R. (SM*51), Project Engr., GE Co., Syracuse, N. Y.

 KOCH, CARL F. (S'56-M*58), Elec. Engr., Applied Physics Lab., The John Hopkins Univ., Silver Spring, Md.

 KOCH, CONRAD P. (M*57), Electro-Mech. Engr., Martin Co., Orlando, Fla.

 KOCH, DAVID G. (S*43-A*45-M*55), Field Engr., RCA, Harrison, N. J.
- Hamison, N.J.

 KOCH, ENNO L. (SM'56), Dir. of Dev. Telefunken G.M.B.H.,

 34 Gerberstrasse, Backnang 14a, Germany.

 KOCH, ERICK J. (M'56), Engr., Sperry Gyroscope Co.,

 Great Neck, L.I., N.Y.

 KOCH, FREDERICK L. (SM'59), 3718 E. Indian School

 Rd., Phoenix, Ariz.

- KOCH, FREDERICK L. (SM'59), 3718 E. Indian School Rd., Phoenix, Ariz.
 KOCH, GEORGE E. (M'55), Sr. Engr., Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.
 KOCH, HENRY J. (S'42-A'44-M'55), Project Engr., Chatham Electronics, W. Mt. Pleasant Ave., Livingston, N. J. KOCH, J. WESLEY (J'29-S'33-A'36-M'45), Chief, Modulation Systems Sect., Radio Communication & Systems Div., Bureau of Standards, Boulder, Colo.
 KOCH, JAMES F. A. (S'45-M'55), Project Engr., Philoc Corp., 3875 Fabian Way, Palo Alto, Calif.
 KOCH, JOHN F., JR. (A'47-M'47-SM'53), V.P., for Engr., Technitrol Engre. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.
 KOCH, JOHN G. (A'47-M'55), Electronics Project Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz. KOCH, ORVILLE F. (S'57-A'58), Elec. Engr., RCA, Somerville, N.J.
 KOCH, RENATO (SM'48), Mgr., Electronic Tube Plant, Marconi Italiana, S.p.A., Via Adige 39, Rome, Italy.
 KOCH, RICHARD C. (A'50-M'55), Design Specialist, The Martin Co., Box 179, Denver 1, Colo.
 KOCH, RICHARD F. (S'39-A'42-M'49-SM'59), Sr. Engr., Alroome Instrument Lab., Inc., Milmeola, L.i., N.Y.
 KOCH, ROBERT L. (M'56), Mem. Tech. Staff, Sperry Semi-Conductor Div., Sperry-Rand Corp., Wilson Ave., South Norwalk, Conn.

- KOCH, STANLEY J. (A'44), Pres., The Argas Corp., 410 John St., East Newark, N.J.

- KOCH, WILLIAM F. (M'47), Supvr., Radio-Telephone Technician, California Dept. of Finance, 6327 Elvas Ave., Sacramento 16, Calif.
 KOCH, WILLIAM J. (S'49-A'50), Engr., Bendix Aviation Corp., 4D0 S. Beiger St., Mishawaka, Ind.
 KOCH, WINFIELD R. (A'26-VA'39-SM'4B-F'54), Engr., RCA, Moorestown, N.J.
 KOCHENBURGER, RALPH J. (SM'52), Prof., Elec. Engrg., Univ. of Connecticut, Storrs, Conn.
 KOCHENDARFER, DAVID C. (A'54), Asst. Mgr., Lab. Engrg., Services Div., ARINC Research Corp., 1700
 K St., N.W., Washington 6, D. C.
 KOCHENDERFER, WALTER E., JR. (A'45-S'49-A'51-M'59), Systems Engr., Dalmo Victor, 1515 Industrial Way, Belmont, Calif.
 KOCHER, CHARLES F. (M'44-SM'57), Chief Engr., WXYZ, Inc., 20777 W. Ten Mile Rd., Detroit 41, Mich. KOCHER, DAVID G. (S'55-M'58), 305 Memorial Dr., Cambridge 39, Mass.
 KOCHER, WILLIAM J. H. (M'56), Project Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. KOCHEVAR, HENRY J. (M'46), Project Engr., Bendix
- COTD., 4 / YOU Wissahickon Ave., Philadelphia 44, Pa. KOCHEVAR, HENRY J. (M'46), Project Engr., Bendix Radio, Towson 4, Md. KOCK, WINSTON E. (SM'45-F'52), Dir. & Genl. Mgr., Bendix Research Labs., Bendix Aviation Corp., Box 5115, Detroit 35, Mich.
- 5115, Detroit 35, Mich.

 KOCSAN, EDWARD S. (A'40-M'55), Head, Elec. Engrg.
 Dept., Pennsylvania Electric Co., Johnstown, KOCSIS, LOUIS L. (S'55-M'58), Research Engr., Zenith
 Radio Corp., 6004 W. Dickens Ave., Chicago, Ill.
 KOCSOR, JULIUS A. (A'52), Electronics Engr., Johnson
 Labs. Div., Aladdin Industries, 616 Riverside Ave.,
 Westport, Conn.

- Westport, Conn.
 KODA, ARTHUR J. (A'57), Elec. Engr., C.P. Clare & Co., 3101 Pratt Blvd., Chicago 45, Ill.
 KODA, N. JOHN (M'55), Research Engr., Hughes Alrcraft Co., Culver City, Calif.
 KODARA, NOBUHIKO (M'56), Chief of Weather Radar Sect., Meteorological Research Institute, Mabashi, Suginamiku, Tokyo, Japan.

- Tokyo, Japan.

 KODERA, CHESTER F. (A'45-M'55), Electronics Sales Engr., Sperry Gyroscope Co., 2200 E. Imperial Hwy., El Segundo, Calif.

 KODIS, RALPH D. (S'46-A'51-SM'57), Assoc. Prof., Engrg., Brown Univ., Providence, R.I.

 KODIS, ROBERT D. (SM'54), Pres., DI-AN Controls, Inc., 40 Lean St., Boston 15, Mass.

 KODITEK, GEORGE W. (S'53-A'54), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 KODNER, JUSTIN L. (S'55-A'56), Tech. Aide, Bell Tel.

 Labs., Whippany, N.J.

 KOEBLITZ, WILLIAM E. (S'49-A'50-M'55), V.P., Engr., Keithley Instruments, Inc., 12415 Euclid Ave., Cleveland 6, Ohio.
- KOECHEL, W. P. (A'22-VA'39), Sole Owner & Prop Lightning Calculator Co., Box 6192, St. Petersburg Beach 36, Fla.
- Beach 36, Fla.

 KOEHLER, ARTHUR O. (A'50-M'55), Project Engr., The
 United States Time Corp., 76 N. Broadway, Irvington, N.Y.

 KOEHLER, FREDERICK H. (M'57), Mem. Tech. Staff,
 Space Technol ogy Labs., The Ramo-Wooldridge Corp.,
 5500 W. El Segundo Bivd., Los Angeles 45, Calif.
 KOEHLER, GLENN (A'27-M'43-SM'43-F'56), Prof., Elec.
 Engrg., Univ. of Wisconsin, Madison 6, Wis.

 KOEHLER, JAMPS E. (KM'4A), 730 Womdale 24
- KOEHLER, JAMES F. (SM'46), 739 Wyndale Rd., Jenkintown, Pa.
- KOEHLER, JAMES F. (SM'46), 739 Wyndale Rd., Jenkintown, Pa. KOEHLER, JOHN A. (A'51-M'56), Dev. Engr., ITT Labs., Nutley 10, N. J. KOEHLER, L. KEITH (S'49-A'52-M'57), Sr. Scientist, Lockheed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.

- Palo Alto, Calif.

 KOEHLER, RICHARD L. (S'50-M'56), 2nd Lt., USAF, AF Cambridge Research Center, Hanscom Field, Mass.

 KOEHN, WILLIAM A. (M'5B), Sr. Electronics Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif. KOELMANS, GERARD D. (S'54-A'54), Dev. Engr., Magnolia Petroleum Co., Box 900, Dallas, Tex.

 KOELKER, RICHARD L. (M'59), Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 KOELLE, ALFRED R. (S'50-A'51-M'56), Electronics Engr., Univ. of California, Los Alamos Scientifec Lab., Los Alamos, N.M.

 KOELLING, ARTHUR L. 19, (M'57), Engr., Pagn.

- N.M.

 KOELLING, ARTHUR J., JR. (M'57), Engr., Bendix
 Avlation Corp., 95 & Troost Sts., Kansas City, Mo.

 KOELLNER, KARL H. (A'56), Electronic Scientist, Holloman
 Air Development Certer, Holloman AFB, N.M.

 KOELSCH, ALBERT C., JR. (A'53-M'58), Applied Research
 Engr., Special Engrg. Prods. Div., IBM, Poughkeepsie, N.Y.

 KOEMM, KARL H. (S'55-A'56), Tech. Aide, Bell Tel.

 Labs., Murray Hill, N. J.

 KOEN, FRANCIS T. (A'42-M'55), Mgr., Mngt. Engrg. Dept.,

 Andover Plant, Raytheon Mfg. Co., Waltham, Mass.

 KOENEKER, DOROTHY B. (A'56), Aircraft Electronics

 Inspector, Bureau of Aeronautics Rep., Douglas Aircraft
 Co., El Segundo, Calif.

 KOENIG, EDWARD M. (M'58), Engr., Philco Corp., Govt.
- KOENIG, EDWARD M. (M'58), Engr., Philos Corp., Govt. & Industrial Div., 3875 Fabian Way, Palo Alto, Calif. KOENIG, EDWARD W. (S'51-A'53-M'57), Advanced Dev. Engr., Farmsworth Electronics Co., 3702 E. Pontlac, Ft. Wayne, Ind.
- KOENIG, ELDO C. (M'56), Engr.-in-Chg., Engrq. Analysis Sect., Allis-Chalmers Mfg. Co., West Allis Works, Milwaukee 1, Wis.
- KOENIG, GLENROY (A'44), Production Engr., DuKane Corp., St. Charles, III.
- St. Charles, III.

 KOENIG, HAROLD G. (A'47), Field Engr., Motorola, Inc., 2710 N. Clyboum, Chicago 14, III.

 KOENIG, HAROLD G. (S'57-M'59), Jr. Engr., A.B. DuMont Labs., Inc., 35 Market St., East Paterson, N. J.

 KOENIG, HERMAN E. (SM'57), Assoc. Prof., Michigan State Univ., East Lansing, Mich.

 KOENIG, JOHN G. (A'48-M'55), Electronics Engr., Timken Roller Bearling Co., Cardwi 6, Oliio.

 KOENIG, JOSEPH A. (A'57), Tester, Consolidated Edison Co., 708 1st Ave., New York, N. Y.

 KOENIG, JOSEPH D. (S'55-M'57), Elec. Engr., Control Data Corp., 501 Park Ave., Minneapolis 15, Minn.

 KOENIG, MICHAEL (A'55), Design & Dev. Engr., RCA, Camden, N. J.

KOENIG, PALMER E. (SM'47), Tech. Dir., Deputy Cmdr., Research & Dev. Hgrs., Air Research & Dev. Cmd. USAF, Andrews & FB. Washington 25, D. C.

KOENIG, ROBERT H. (S'49-A'51-M'58), Group Leader, Digital Devices, Inc., 7 Overhill Rd., Roslyn, L. I., N.Y.

KOENIG, WALTER, JR. (A'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

KOENIG, WALTER A. (S'49-A'51-M'56-SM'58), Research Engr., Hughes Aircraft Co., Box 5555, Tucson, Ariz.

KOENIG, WALTER A. (S'49-A'51-M'56-SM'58), Research Engr., Hughes Aircraft Co., Box 5555, Tucson, Ariz.

KOENIE, ER, ROLLAND D., JR. (M'58), Engr., Raytheon M'g. Co., Box 636, Sarka Barbara, Calif.

KOENREICH, JOHN L. (A'47-M'55), Communications Engr., Trans-Arabian Pipe Line Co., Box 13-48, Belnut, Lebanon.

KOEPCKE, RICHARD W. (S'56-A'58), Assoc. Engr., 1BM, Yorktown Heights, N.Y.

KOEPER, JOHN I. (S'55-M'59), Elec. Engr., Crown Controls Co., Inc., 40-44 S. Washington St., New Bremen, Ohio.

KOEPPEL, BEVERLY W. (A'46-M'55), Staff Consultant, Seismograph Service Corp., Box 13-90, Tulsa 1, Okla.

KOEPPEN, WALTER J., JR. (M'59), Asst. Ch. Engr., Genl. Transformer Cor., 18240 Harwood, Homewood, Ill.

KOEPSEL, WELLINGTON W. (S'44-A'46-M'55), Assoc. Prof., Elec. Engra., Southern Methodist Univ., Dallas, Tex.

KOEPSELL, EDGAR M. (S'56-A'58), Engrg. Lab. Asst., Martin Co., Orlando, Fla.

KOERITZ, KENNETH W. (S'44-Y39-M'55-SNFSB), Staff Engr., Pacific Telephone & Telegraph Co., 740 S. Olive St., Los Angeles 55, Calif.

KOERNER, FRANK A. (A'47-SM'55), Tech. Dir., American Broadcasting Co., 190 N. State St., Chicago 1, Ill.

St., Los Angeles 55, Calif.

KDERNER, FRANK A., (A'47-SM'55), Tech. Dir., American
Broadcasting Co., 190 N. State St., Chicago 1, III.

KOERNER, HENRY (S'48-A'50-M'55), Research Asst.,
Univ. of Arizona, Tucson, Ariz.

KOERNER, LAWRENCE F. (A'29-VA'39-M'55), Mem. Tech.

Staff, Bell Tel. Labs., Whippany, N. J.

KOERNER, TERRY W. (S'52-A'53-M'58), Research Engr.,

California Institute of Technology, 1201 E. California,

Pasadena, Calif.

Pasadena, Calif.

KOESY, CALVIN B. (A'50-M'55), Head, Electronics Branch, Engro. Div., USN Mine Defense Lab., Panama City, Fla.

KOETHER, CEORGE H., JR. (A'42-M'55), Sr. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

KOFF, RICHARD M. (A'56), Sr. Assoc. Editor, Product Engineering, 330 W. 42 St., New York 36, N. Y.

KOFFER, MORRIS (A'48-M'53), Radio Communications Teacher, Chelsea Vocational High School, 131 6 Ave., New York 13, N. Y.

KOFFMAN, HAROLD J. (S'47-A'48-M'55), Sales Mgr., Tracerlab, Inc., Keleket X-Ray Div., 1601 Trapelo Rd., Waltham, Mass.

Waltham, Mass.
KOFFMAN, IRWIN (M'56), Wheeler Labs., Inc., Great Neck,
L.I., N.Y.
KOFFSKY, DAVID N. (S'55-M'57), 2nd Lt., U.S. Army,
Project Mngt. Staff, U.S. Army Arsenal, Redstone, Ala.
KOFLER, ERVIN J. (A'49-M'55), Electronics Engr., Hgs.,
Air Defense Command, USAF, Communications & Electronics,
Box 4, Ent AFB, Colo.

Box 4, Ent AFB, Colo.

KOGA, ISSAC (SM'54-F'57), Dean, School of Engrg., Tokyo Univ., Bunkyoku, Tokyo, Japan.

KOGAN, JOHN C. (A'56). Engrg. Writer, Stromberg-Carlson Co., 1895 Hancock St., San Diego 15, Calif.

KOGAN, MICHAEL A. (A'54), Dev. Engr., American Bosch Arma Ccrp., Garden City, L.1., N., Y.,

KOGER, GEORGE W. (S'55-M'57), Electronics Engr., Engineered Electronics Co., 506 E. 1st St., Santa Ana, CGA.

Calif.

KOGO, HIROSHI (M'55), Asst. Prof., Faculty of Engrg.,
Chiba Univ., 531 Iwase, Matsudo, Chiba, Japan.

KOHL, HERBERT F. (A'53), Broadcast Radio Technician,
WCY, GE Co., Schenectady 5, N.Y.

KOHL, PHILIP H. (S'53–A'54–M'59), Assoc. Engr.,
Boeing Airplane Co., Seattle, Wash.
KOHL, WALLACE B. (S'53–A'54), Supvg. Engr., StrombergCarlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

KOHL, WALTER H. (A'35–M'39–SM'43–F'5B), Sr Engrg.
Specialist, Sylvania Elec. Prods., Inc., Mountain View
Components Lab., Box 997, Mountain View, Calif.
KOHLENBERG. ARTHINE (SM'55). Staff Consultant

KOHLENBERG, ARTHUR (SM'55), Staff Consultant, Melpar, Inc., 43 Leon St., Boston 15, Mass.

KOHLENBERGER, CHARLES W. (S'50-A'52-M'57), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

KOHLER, FAML (A'58), Sr. Engr., Bogue Electric Mfg. Co., 52 lowa Ave., Paterson 3, N.J. KOHLER, HANS W. (A'34-VA'39-SM'51), Consultant, Diamond Ordnance Fuze Labs., Washington 25, D.C. KOHLER, HELMUT, P. (A'57), Design Engr., Sidney Roofing & Paper Co., Ltd., 500 Wiggins Rd., Burnaby 2, B. C. Canada.

KOHLER, HERBERT M. (S'55-M'57), Elec. Staff Engr., MIT, Lincoln Lab., Lexington 73, Mass. KOHLER, MARTIN L. (A'58), 1412 Lillian Ave., Louisville

KOHLER, MARTIN L. (A'5B), 1412 Lillian Ave., Louisville B. Kv.

KOHLER, ROBERT D. (S'56-M'57), Dev. Engr., Toledo Scale Co., Toledo 1, Ohio.

KOHLER, THOMAS R. (S'42-A'46-SM'55), Physicist, Philips Labs., Inc., Irvington, N. Y.

KOHL HAAS, RICHARD L. (S'55-M'57), 1st Lt., USAF, Ground Electronics Officer, Rome Air Development Center, Griffiss AFB, N.Y.

KOHL HOUSEN, CHARLES J. (S'57-M'59), Electronics Engr., FAA, Box 90007, Los Angeles 45, Calif.

KOHLL, FAQIR C. (S'50-A'51-M'5B), F. Engr., Tata Power Co., Ft. Bombay, India.

KOHLMANN, HERBERT P. (A'54-M'5B), Electronics Engr., Wright Air Development Center, Wirght-Patterson AFB, Ohio.

KOHLMEYER, ROBERT B. (M'58), Mem. Tech. Staff, Thompson-Ramo-Wooldridge Corp., El Segundo, Calif.

KOHLS, GORDON F. (A'53-M'57), Staff Engr., Natl. Cash Register Co., Dayton, Ohio.

KOHMAN, E. JAMES (M'57), Design Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.

KOHN, ERNESTINE B. (A'47-M'55), Dir., Engrg. Publications, Rosern Publications & Procedures, 7070 N. Clark St., Chicago 26, Ill.

KOHN, IRWIN A. (A'51-M'56), Project Engr., Litton Industries, Inc., 323 N. Foothill Rd., Beverly Hills, Calif.

KOHN, IRWIN A. (A'51-M'56), Project Engr., Litton Industries, Inc., 332 N. Foothill Rd., Beverly Hills, Calif. KOHN, MITCHELL I. (A'57), Asst. Engr., Eastwood Industries, Inc., 1101 W. Armitage Ave., Chicago, III.

- 252 -

KOHN, SAMUEL T. (S'47-A'52-M'57), Sr. Engr., Sorensen & Co., Inc., Richards Ave., South Norwalk, Conn.

KOHN, SHELDON A. (S'48-A'50-M'55), Project Engr.,
Belock Instrument Corp., 111-01 14 Ave., College Point,
56, L.I., N.Y.

KOHNER, MELVIN (A'45-SM'51), Engrg. Sect. Head, John
Oster Mfg. Co., Avionic Div., 1 Main St., Racine, Wis.

KOHNEL, ALFRED P., RR. (S'54-M'57), Applications
Engr., Raytheon Mfg. Co., Quincy 69, Mass.

KOHNO, SHISHU (SM'56), Deputy Chief, Telecommunication
Research, The Furukawa Electric Co., Ltd., NishihiranumaNishiku, Yokohama, Japan.

NISTIKU, YOkohama, Japan.
KOHOUT, RAYMOND J. (A'56), Electronics Engr., Cook
Research Labs., 6401 Oakton St., Morton Grove, Ill.
KOHR, CURTIS M. (A'56), Supry. Electronics Engr.,
USN Civil Service, Naval Air Sta., Pensacola, Fla.
KOICHBARA, TADASHI (A'54), Chief, Electronics Sect.,
Civil Aviation Bureau, Ministry of Transportation, Ote-machi,
Chivoda-ku, Tokyo, Japan.

Civil Aviation Bureau, Ministry of Transportation, Ote-machi, Chivoda-ku, Tokyo, Japan.

KOIKE, YUJIRO (SM'57), Prof., Elec. Communication Engra., Tohoku Univ., 5 Sakurakoji, Sendai, Japan.

KOJAL OWIC Z, ANTHONY M. (M'56), Staff Consultank, Genl. Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.

KOJIMA, YOSHIANI (SM'57), Asst. Prof. of Electronics Engra., Junior College of Engra., Univ of Osaka Prefecture, Hata, Neyagawa City, Osaka, Japan.

KOKALJ, FRANK P. (S'55-M'57), Engra. Analyst, Allis-Chalmers Mfg. Co., Box 512, Milwaukee J., Wis.

KOKESH, FRANK P. (M'52), Dev. Project Engr., Schlumberger Well Surveying Corp., Box 2175, Houston, Tex.

KOKIDKO, ANDRY (S'49-A'51-M'58), Electronics Publications Engr., Raytheon Mfg. Co., Maynard, Mass.

KOLAR, EDWARD F. (A'44-SM'45), Genl. Mgr., Red Bank Div., Bendix Aviation Corp., Eatontown, N.J.

KOLAR, EDWARD F. (S'49-A'51-M'59), Transmitter Design Engr., RCA Labs., Rocky Point, L. I., N.Y.

KOLB, OTTO J. (M'56), Chief Prod. Engr., Genl. Precision Labs., 63 Bedford Rd., Pleasantville, N.Y.

KOLB, ROBERT F. (M'57), Research Engr., Shell Devlopment Co., 3737 Beliaire Blvd., Houston, Tex.

KOLBER, ROBERT J. (S'57-A'59), 2142 W. Bradley Pl., Chicago 18, Ill.

KOLBEINS, E. NORMAN (S'49-A'51-M'56), Assoc. Consulting Engras. 1770 W. Georgia St., Vancouver 5. B.C.

KOLBEINS, E. NORMAN (S'49-A'51-M'56), Assoc. Con sulting Engrs., 1770 W. Georgia St., Vancouver 5, B.C. Canada.

KOLBERG, EDWARD G. (A'49-M'56), Dir., Engrg., Tele-casting Services, Inc., 1058 W. Washington Blvd., Chicago 7, III.

T, III.

KOLBERT DONALD E. (M'59), Group Leader & Instr., Reministon Rand Univac, St. Paul 16, Minn.

KOLCHIN, RICHARD I. (M'57), Field Engr., Signal Equipment Support Agency, Ft. Monmouth, N.J.

KOLDEN, JOHN R. (S'57-M'59), Electronics Engr., Motorola inc., 8330 Indiana Ave., Riverside, Calif.

KOLDERUP, LEROY E. (A'54), Mgr., Test Operations, Ballistic Missile Div., Burroughs Corn., Paoli, Pa.

KOLDING, A. ROBERT (S'40-A'43-M'55), Mem. Tech.

Staff, Bell Tel. Labs., Murray Hill, N.J.

KOLEN, NICHOLAS (A'45), Supvr., Engrs., Flight Simulators TWA, 10 Richards Rd., Kansas City 5, Mo.

KOLESNIK, MICHAEL (S'52-A'53-M'5B), Engr., RCA, Camden 2, N.J.

Camden 2, N.J.

KOLETSKY, HAROLD (M'5B), Chief Prod. Dev. Engr., Avien, Inc., 5B-15 Northern Blvd., Woodside, L.I., N.Y.

KOLKEDY, JOSEPH G. (M'49), Electronics Engr., FCC, 12 & Pennsylvania Ave., Washington, D.C.

KOLKER, NATHAN (A'5B), Chief Technician, Bogart Mfg. Co., 315 Seigel St., Brooklyn, N.Y.

KOLL, ANDREW J., JR. (M'58), Staff Engr., AGA Corp., Alexandria, Va.

KOLLE, ANDREW J., JR. (M'58), Staff Engr., AGA Corp., Alexandria, Va.

KOLLANSE, DONALD C. (M'56), Test Equipment Engr., Notronics Div., Northrop Corp., Hawthorne, Calif.

KOLLAR, THEODORE J. (A'43), Electronics Inspector, Chance-Vought Aircraft, Inc., U. S. Naval Air Missile Test Center, Pacific Missile Range, Point Mugu, Calif.

KOLLER, OTTO, JR. (S'49-A'50-M'5B), Engr., Southern Bell Tel. & Tel. Co., 534 Armory Pl., Louisville 2, Ky.

KOLLER, RUEDI (M'59), Dir., MICAFIL, Zuerich-Altstetten, Switzerland.

KOLLER, WILLIAM B. (M'5B), 11B Black Hill Rd., Plymout Meeting, Pa.

Meeting, Pa.

KOLLING, JOHN A. (M'57), Elec. Engr., Design, Remington Rand Univac, St. Paul 16, Minn.

KOLO, R. E. (A'27-SM'45), Transmission, Protection & Outside Plant Engr., Cincinnati & Surburban Bell Tel. Co., 225 E. 4 St., Cincinnati 2, Ohio.

KOLOBOFF, GEORGE J. (S'57-M'58), 1472 La Playa St., San Francisco 21, Calif.

KDLODIN, LOUIS (A'55), Dev. Engr., RCA, Camden, N.J.

NOLODNER, MEYER (A'50-M'55), Electronic Scientist,
Naval Air Material Center, Navai Base, Philadelphia 12, Pa.

KOLOSTYAK, JOHN (M'57), Mem. Tech. Staff, Hughes
Aircraft Co., Culver City, Calif.
KOLP, JACKSON S. (A'47-M'52), Mgr., Commercial Engrg.,
Semiconductor Div., Sylvania Elec. Prods., Inc.,
Woburn, Mass.

Semiconductor DIV., Syrvana Erec. Fross, Inc., Woburn, Mass.

KOLSRUD, ERNEST R. (A:52-M:57), Sr. Engr., Aerojet Genl. Corp., Municipal Airport, Frederick, Md.

KOLSTER, WILHELM K. (A:56), Chief Mech. Engr., Thompson-Ramo-Wooldridge, Corp., W. 10 St., Michigan City, Ind.

KOLTS, ROBERT C. (A:52-M:56), Mixtg. Mgr., Airtron, Inc., 200 E. Hanover Ave., Morris Plains, N.J..

KOMABAYASHI, EITARO (A:5B), Japan Air Lines Co., Tokyo Bidg., Marunouchi, Chiyoda-Ku, Tokyo, Japan.

KOMAR, MATAJI (A:56), Tech. Engr., NHK, Japan Broad-casting Corp., Tech. Research Lab., 361 Kinuta-Machi, Setagaya-Ku, Tokyo, Japan.

KOMAR, JOHN C. (A:54-M:57), Sr. Technician, West-

KOMAR, JOHN C. (A'54-M'57), Sr. Technician, West-inghouse Broadcasting Co., KDKA-TV, 1 Gateway Center, Pittsburgh 22, Pa.

KOMATSU, GARY A. (A'54), Sr. Electronics Technician, Zenith Plastics Co., 1600 W. 135 St., Gardena, Calif. KOMEN, PETER J., JR. (A'54-M'5B-SM'5B), Div. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.

KOMM, PAUL M. (A'36-VA'39), Asst. Chief Engr., Standard Coll Prods. Co., 2085 N. Hawthome Ave., Melrose Park. III. KOMPASS, EDWARD J. (M'55), Asst. Editor, Control Engineering, 330 W. 42 St., New York 36, N.Y. KOMPFNER, RUDOLF (F'50), Dir., Electronics & Radio Research, Bell Tel. Labs., Murray Hill, N.J.

KOMROSKY, GERALD L. (S'56-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif. KOMURA, SHUHEI (A'58), Prof., Waseda Univ., Tokyo,

KOMURA, SHUHEI (A'58), Prof., Waseda Univ., Tokyo, Japan.

KOMUVES, ROBERT E. (S'48-A'53-M'57), Reliability Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

KOMYATHY, DAVID L. (S'46-M'58), Standards Engr., IBM, Poughtkeepsie, N.Y.

KONCSOL, ALEXANDER E. (S'54-A'55), Electronics Engr., Bell Aircraft Corp., 80x 1, Buffalo 5, N.Y.

KONCZAL, FRANCIS D. (M'57), Sr. Field Engr., Philoc Corp., 22 St. & Lehligh Ave., Philiadelphia 32, Pa.

KONDI, S. ERIC (A'54-M'59), Electronics Engr., Anderson-Nichols & Co., 150 Causeway St., Boston, Mass.

KONDO, TOSIO (A'58), Nakayo Comm. Works, Ltd., 47 2 Chome, Kitazawa Setagaya, Tokyo, Japan.

KONECKI, THOMAS E. (A'58), 2041 N. Lorel Ave., Chicago 39, III.

KONGABLE, LOWELL S. (S'48-A'50-M'55), Engr. Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, III.

KONIG, HERMAN F. (A'55), Genl. Mgr., LMED, GE Co., Utica, N.Y.

KONIG, WINCENT A. Y. (A'46), Owner, Konig TV-Industrial Electronics, Elgewater Park, Grafton, Wis.

KONIG, WINCENT A. Y. (A'46), Suprr., Columbia Univ. Electronics Research Lab., 632 W. 125 St., New York 27, N.Y.

N.Y.
KONIGSBERG, ROBERT L. (A'51-M'56), Sr. Engr., Applied
Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
KONING, ADOLF P. (S'56-M'57), Design Engr., HewlettPackard Co., 275 Page Mill Rd., Palo Alto, Calif.

Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
KONING, ROBERT E. (S'54-M'56), Box 3585, Univ. Sta.,
Gainesville, Fla.
KONKEL, ARTHUR J., JR. (M'56), Documentation Coordinator/Super., RCA Service Div., 838 N. Henry St.,
Alexandria, Va.

KONKAD, JOHN L. (\$152-M:59), Elect. Engr., Manitoba Hydro-Electric Boord, P. St., Wunder, J. St., Constant Boord, Carrows, Constant Boord, Carrows, Constant Boord, Carrows, Canadian Radio Mfg. Corp., 11-19 Berentcliffe Rd., Toronto, Ont., KONNERTH, KARL L., JR. (\$152-M577), Instr., Carnegie institute of Technology, Pittsburgh 13, Pa. (SNOMI, MITSUGU (A'56), Asst., Prof., Kyushu Institute of Technology, Tabata City, Fukuoka-Ken, Japan. KONRAD, JOHN E. (\$158-M159), Elec. Engr., Manitoba Hydro-Electric Board, 650 Harrow St., Winnipeg, Man., Canada.

Canada.

KONRAD, LEONARD J. (S'47-A'50-M'55), R.D. 5, Post Rd., East Vineland, N. J.

KONRAD, ROBERT J. (S'49-A'51-M'58), Prod. Dev. Engr., RCA Electron Tube Div., 3301 S. Adams St., Marion, Ind.

KONTER, PHILIP (A'5B), Genl. Mgr., Electronic Supply Co., 61 N.E. 9 St., Mlami 32, Fla.

KOOGLE, JAY F. (A'59), Lead Engr., Chance-Vought Aircraft, Inc., Dallas, Tex.

KOOMURA, SHUHEI (A'5B), Prof., Waseda Univ., Tokyo, Japan.

KOONCE, CHARLES W. (S'57-M'59), Elec. Engr., Arkla Air Conditioning Corp., B10 E. Franklin St., Evansville 7,

Ind.
KOONO, TETSUO (A'52), Vice Dir., Radio Research Lab.,
Kokubunji-machi, Kitatama-gun, Tokyo, Japan.
KOONS, EMERSON E. (A'51-M'54), Electronics Unit
Leader, Avionics Div., Bell Aircraft Corp., Box 1,
Buffalo 5, N.Y.

KOONTZ, C. EDGAR (A'48-M'55), Pres., Electronic Engrg. Co., 4201 Hampton Blvd., Norfolk 8, Va. KOONTZ, CHARLES H. (S'57-A'58), Field Engr., IBM, Kingston, N.Y.

Kingston, N.Y.

KONTZ, DAVID E. (S'50-A'51), Electronics Engr., Tech. Staff, Hughes Alicraft Co., Culver City, Calif.

KONTZ, FLOYD A. (S'54-M'5B), Jr. Engr., Wilcox Electric Co., Kansas City, Mo.

KONTZ, FLOYD A. (A'53), Sr. Dev. Engr., Microwave Div., Kearfott Co., Inc., 14844 Oxnard St., Van Nuys, Calif.

Calif.

KOOP, WALTER S., JR. (S'49-A'50), Project Engr., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. KOOS, EDWARD E. (M'56), Electronics Scientist, Civil Service, U.S. Naval Air Development Center, Johnsville, Pa. KOPANIA, ALVIN A. (S'55-M'58), Engr., AC Spark Plug Div., 7929 S. Howell Ave., Oak Creek, Wis. KOPECKY, GEORGE F. (A'46-M'48), Electronics Engr., Bethlehem Steel Co., 3075 Richmond Terr., Staten Island 4, N.Y.

4, N.Y.

KOPEL, LE ROY F. (S'57-A'59), PBX Tester, Western Electric Co., Omaha, Neb.

KOPELMAN, JOSEPH (A'58), Asst. to Pres., Ace Electronics Associates, Inc., 99 Dover St., Somerville, Mass.

KOPELOFF, BERNARD G. (S'50-A'52-M'59), Engr., Raytheon Mfg. Co., Maynard, Mass.

KOPELS, ISIDORE (A'59), Engr., Mgr., RCA Service Co., Camden, N.J.

KOPELS, ISIDUKE (A'SY), Engr., Mgr., RCA Service Co., Canden, N.J.

KOPF, HENRY A. (S'57-M'58), Engr., Collins Radio Co., Cedar Rapids, Jowa.

KOPP, CARL J. (M'47), Chief Engr., Electro-Seal Corp., 946 North Ave., Des Plaines, Ill.

KOPP, EUGENE H. (S'50-A'51-M'56), Asst. Prof., Engr., Jos Angeles State College, Los Angeles Angeles Z., Calif.; Engr., Flite Industries, Inc., 3312 Burton Ave., Burbank, Calif.

KOPP, ROBER W. (S'55-M'57), Aero Research Engr., U. S. Navail Missile Center, Point Mugu., Calif.

KOPP, RICHARD E. (S'51-A'54-M'58), Research Engr., Grumman Aircraft Corp., Bethpage, L.I., N.Y.

KOPP, ROBERT W. (S'50-A'51-M'56), Engr., Collins Radio Co., Cedar Rapids, Jowa.

KOPPEL, ARTHUR U. (A'49-M'54-SM'56), Suppv., Component Standards, Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

KOPPEL, ROBERT L. (S'50-A'51-M'56), Group Leader, Lockheed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.

KOPPELON, ROBERT (A'44-SM'52), Sr. Engr., Allen B. DuMont Labs., Inc., 750 Bloomfield Ave., Clifton, N. J. KOPPENHAVER, JAMES T. (A'54), Sr. Engr., The Filtron Co., Inc., 131-15 Fowler Ave., Flushing 55, L.I., N.Y. KOPPIN, ARTHUR A. (S'57-M'59), Design & Dev. Engr., The Magnavox Co., 2131 Bueter Rd., Ft. Wayne, Ind. KOPPIUS, OTTO G. (M'55), Pres., Semicon Associates, Inc., 8ox 832, Lexington, Ky. KOPROWSKI, EDWARD M. (SM'56), Supvr., Radar Dev., GE Co., Syracuse, N.Y. KOPULSKY, SAM (S'48-A'50-M'55), Electronics Engr., U. S. Navai Ordnance Lab., Corona, Calif. KORANYE, THEODORE D. (M'56), Project Engr., IBM, Endicott, N.Y. KORB, ALFRED (SM'58), Tech. Advisor, Div. for the Blind, Library of Congress, Washington, D.C. KORBE, ALLEN J. (M'57), Staff Mem., Sandia Corp., SSTB, Westmoreland, Calif. KORBIN, ALAN D. (S'49-A'51-M'58), Sr. Engr., RCA,

SSTB, Westmoreland, Calif.

KORBIN, ALAN D. (S'49-A'51-M'58), Sr. Engr., RCA,

Moorestown, N.J.

KORCHINSKI, JOSAPHAT (S'56-M'56), Distribution Engr.,

Scarborough Public Willities Commission, 1750 Kingston

Rd., Toronto 13, Ont., Canada.

KORCZYNSKI, WLADYSLAW F. (M'57), Elec. Engr., Computing Devices of Canada, Box 508, Ottawa, Ont., Canada.

KORDALEWSKI, ANDREW P. (M'54), Engr., GE Co.,

Syracuse, N.Y.

KORDOS, RONALD W. (S'57-M'59), 354 N. Main St.,

Andover, Mass.

KORDOS, RONALD W. (S'57-M'59), 354 N. Main St., Andover, Mass.

KOREN, SAUL (SM'57), Mgr., Electronics Div., Benrus Watch Co., 30 Cherry Ave., Waterbury 1, Com.

KORENBERG, SOL (SM'58), Staff Engr., Raytheon Mfg. Co., Wayland, Mass.

KOREWICK, JOHN (S'48-A'51-M'56), Head, Engrg. Sect., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

KORCES, EMERSON (M'57), Prof., Elec. Engrg., Texas College of Arts & Industries, Kingsville, Tex.

KORKES, HENRY (S'46-A'50-M'58), Supvr., Tech. Operations, Maint., CB'S G-M'58), Supvr., Tech. Operations, Maint., CB'S G-M'59, St., New York 22, N.Y.

KORLISHIN, LEO (A'54), Transmitter Engr., WBRE-TV,

22, N.Y.
KORLISHIN, LEO (A'54), Transmitter Engr., WBRE-TV,
Wilkes-Barre, Pa.
KORMAN, JOSEPH (S'52-M'56), Sr. Project Engr., Consolidated Avionics Corp., 800 Shames Dr., Westbury, L.I.,
N.Y.

N.Y.

KORMAN, NATHANIEL I. (S'38-A'39-SM'45-F'56), Dir., Advanced Military Systems, RCA, Princeton, N.J.

KORN, IRVIN I. (A'52-M'57), Asst. Project Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

KORN, ROBERT A. (S'57-A'59), Assoc. Engr., Martin Co., Orlando, Fla.

KORN, SIDNEY J. (S'47-A'48-M'55), Engrg. Specialist, Sylvania Elec. Prods., Inc., Waltham 54, Mass.

KORN, WALTER (S'56-M'58), 1st Lt., USAF, 646th Radron, Highlands Air Force Sta., New Jersey.

KORNACKER, JOSEPH M. (M'57), Project Engr., Tamar Electronics, Inc., 1805 Colorado Ave., Santa Monica, Calif.

KORNBLUH, A. JACK (S'50-A'52), Chief Fare.

Calif.

KORNBLUH, A. JACK (S'50-A'52), Chief Engr., Transformers. Inc., 200 Stage Rd., Vestal. N.Y.

KORNBLUTH, ALLAN E. (A'52-M'58-SM'58), Head, Engrg. Sect., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

KORNBLUTH, SHELDON E. (M'58), Elec. Engr., Electronics Div., Otis Elevator Co., 35 Ryerson St., Brooklyn 5, N.Y.

8rooklyn 5, N.Y.

KORNETZ, NORMAN S. (A'39-SM'51), Mgr., Engrg., TVRadio Div., Westinghouse Elec. Corp., Metuchen, N.J.

KORNFELD, MORRIS (A'52-M'57), Electronics Engr.,
RCA, Camden, N.J.

KORNFIELD, NATHANIEL R. (S'50-A'52-M'57), Sect.
Mgr., Philoo Corp., 4700 Wissahickon Ave., Philadelphia
44. Pa.

44, Pa.

KORNHAUSER, EDWARD T. (SM'55), Assoc. Prof., Engrg.,
Brown Univ., Providence 12, R.I.

KOROCH, LYNAL R. (S'50-A'53-M'58), Sales Engr., The
Bristol Co., 1233 N. W. 12th, Portland, Ore.

KOROLENKO, ANDREY V. (S'53-A'54), Engr., GE Co.,
Syracuse, N. Y.

KOROS, LESLIE L. (A'43-SM'46), Engrg. Supvr., Dev.,
RCA, Camden 2, N.J.

KORPAL, JOHN W. (A'58), 188 Ocean Blvd., Eau Gallie,
Fla.

Fla.
KORPER, GEORGE W., JR. (M'56), Purch. Supvr., CGS
Labs., Inc., 391 Ludlow St., Stamford, Conn.
KORROL, CHARLES R. (S'55-M'57), Instr., Physics &
Elec. Engrg. Depts., Pratt Institute, 215 Ryerson St.,
Brooklyn 5, N.Y.

KORSEN, MARTIN (M'56), Design Engr., RCA, Moorestown,

N.J. KORSON, ARTHUR W. (S'56-A'57), Foreman, Anaconda Cable & Wire Co., 1133 W. Western Ave., Muskegon 82, Mich.

KORSON, IRVING (A'52-M'57), Sales Engr., Perlmuth Electronic Associates, 2419 S. Grand Ave., Los Angeles 7, Calif.

/, Callf.

KORTMAN, CECIL M. (S'49-A'50-SM'55), Sr. Scientist, Lockheed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.

Atto, Calit.

KOS, STANLEY M. (S'54-A'55), Engr., Sperry Gyroscope
Co., Great Neck, L.I., N.Y.

KOSAR, WILLIAM S., JR. (S'50-A'52-M'56), Lt., USNR,
Aircraft Elec. Installations, Bureau of Aeronautics, Navy
Dept., Washington 25, D.C.

Dept., Washington 25, D.C.

KOSCHMANN, ARNOLD H. (A'54), Assoc. Prof., Elec.
Engrg. Dept., Univ. of New Mexico, Albuquerque, N.M.

KOSFELD, WAYNE H. (S'54-M'58), Radar Engr., Emerson
Electric Mfg. Co., 8100 Florissant St., St. Louis 21,
Mo.

Mo.

KOSHMAN, RONALD (S'57-A'58), Asst. Engr., Canadair, Ltd., Montreal, P.Q... Canada.

KOSICH, RICHARD J. (S'52-A'53-M'58), Component Project Engr., RCA, Camden, N.J.

KOSKELA, ARNE C. (S'57-M'58), Electronics Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.

KOSKI, JORMAN I. (A'43-M'50-SM'56), Radio Supvr., City of Ft. Worth, City Hall, 1000 Throckmorton St., Ft. Worth 2, Tex.

KOSKI, LEO N. (A'57), Tech. Writer, Canadian General Electric Co., Ltd., 830 Lansdowne Ave., Toronto 4, Ont., Canada.

Electric Co., Ltd., 830 Lansdowne Ave., Toronto 4, Ont., Canada.

KOSKI, LOWELL H. (S'56-M'57), Engr., Research, No. Amer. Aviation, Internatl. Airport, Los Angeles 45, Calif.

KOSKI, TOIVO H. (S'55-M'56), Engr.-in-Chg., Electronic Defense Lab., Mountain Wew, Calif.

KOSKINEN, GUNNAR K. (S'50-A'51-M'56), Mfg. Engr., Raytheon Mfg. Co., Newton, Mass.

KOSKOS, ALEXANDER EL. (S'52-M'57), Tech. Asst., IBM, Poughkeepsie, N.Y.

KOSKOS, PAUL (SM'51), Dev. Engr., Microwave Prod. Dept., RCA, Harrison, N.J.

KOSLOV, SAMUEL (A'55), Asst. Prof., Physics, Stevens Institute of Technology, Hoboken, N.J.

KOSMACZEWSKI, IGNATZ (A'47-M'55), Project Engr., Commar Prods., Inc., 140 Thomas St., Newark 1, N.J.

KOSMACZEWSKI, IGNATZ (A'47-M'55), Project Commanding Officer, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

KOSOMOCKY, WALTER F. (S'54-M'56), Mem. Tech.

Ft. Monmouth, N.J.

KOSONOCKY, WALTER F. (S'54-M'56), Mem. Tech.
Staff, RCA Labs., David Sarnoff Research Center,
Princeton, N.J.

KOSOWSKY, DAVID I. (S'50-A'53-M'57), Dir., Crystal
Filter Div., Hycon Eastern, Inc., 75 Cambridge Pkwy.,
Cambridge 42, Mass.

KOSOWSKY, LESTER H. (S'56-M'58), Sr. Dev. Engr.,
Norden Labs., United Aircraft Corp., 58 Commerce Rd.,
Stamford, Conn.

Stanford, Conn.

KOSATKINE, IGOR (S'58-A'59), Electronic Engrg., Technician, Tests, Aircrafts & Missiles, Canadair, Ltd., Montreal, P.Q., Canada.

KOSSEN, DALE J. (S'57-A'59), IBM, Kingston, N.Y.
KOSSO, EUGENE V. (M'56), Teacher, Elec. Engrg. Dept., Syracuse Univ., Syracuse 2, N.Y.
KOSSUTH, ARDEN K. (S'48-A'51-M'56), TV Engr., Wayne State Univ., Detroit 2, Mich.

KOST, BERNARD F. (S'57-M'59), Elec. Engr., Hughes Aircraft Co., 2060 E. Imperial Hwy., El Segundo, Calif.

KOST, CHARLES R. (S'66-M'57), Assoc. Engr., Texas

Call.

KOST, CHARLES R. (S'56-M'57), Assoc. Engr., Texas
Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

KOST, MICHAEL (A'56), 1st Lt., U. S. Army Signal
Corps, 122nd Signal Bn., 2nd Infantry Div., Ft.

Benning, Ga.

8enning, Ga.

KOSTANJANZ, BORIS A. (A'57), State Comm. of Radioelectronics, 7 Kitaiskii Proezd, Moscow, U.S.S.R.

KOSTASHUK, STANLEY S. (M'55), Mem. Scientific Staff,
Research & Dev. Labs., Northern Electric Co., Ltd.,
8ridge St., W., Belleville, Ont., Canada.

KOSTECKI, WALTER (S'42-A'44-M'57), Electronics Engr.,
Pickard & Burms, Inc., 240 Highland Ave., Needham,
Mass.

Mass.

KOSTER, CHARLES A. (S'55-M'58), Circuit Design Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz. KOSTER, JOHANNES A. (M'55), Elec. Engr., Philips Electronics Industries, Ltd., 11-19 Brentcliffe Rd., Leaside (Toronto 17), Ont., Canada.

KOSTER, ROBERT A. (S'52-A'54), Electronics Engr., Magnetic Research Corp., 3160 W. El Segundo Blvd., Hawthorne, Calif.

KOSTER, WILLIAM J. (M'59), Radio Engr. Advisor, Philos Corp., 22 & Lehigh Ave., Philadelphia, Pa.

KOSTOLANSKY, VICTOR A., JR. (S'52-A'53-M'58), Electronics Engr., Goodyear Aircraft Corp., Akron 15, Ohio.

Ohio.

KOSTREY, MICHAEL J. (A'54-M'59), Research Engr., 80eing Airplane Co., Seattle, Wash.
KOSTRIZA, JOHN A. (M'47), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.
KOSTYAL, STEPHEN P. (A'45-M'55), Midwest District Engr., Aynet Electronics Corp., 70 State St., Westbury, L.I., N.Y.

L.I., N.Y.

KOSTYSHYN, 80HDAN (A'54), Staff Physicist, I8M, Endicott, N.Y.

KOTADIA, KANTILAL M. (A'46-M'51-SM'59), Sr. Research Asst., Physical Research Lab., Navrangpura, Ahmedabad 9, India.

KOTERA, WILLIAM J. (A'27-VA'39-M'55-SM'58), Dir., Engrs., Meredith WOW, Inc., 17 & Farmam, Omaha 2, Neb.

Neb.
KOTHMAN, EARLE 8. (A'56), Box 13189, University
Sta., Baton Rouge, La.
KOTLARSKI, JOSEPH R. (S'55-M'57), Mem., Scientific
Staff, Hughes Aircraft Co., Culver City, Calif.
KOTLEWSKI, JOHN P. (S'41-A'44-M'55), Sales Engr.,
Elias Lyman Coal & Oil Co., Inc., 206 College St.,
Burlington, Vt.

Burlington, Vt.

KOTLIAR, ALAN (A'56-M'58), Engr., Philoc Corp., Tioga & C Sts., Philadelphia 34, Pa.

KOTOVSKY, STANLEY K. (S'49-A'53-M'57), Field Engr., Western Electric Co., White Sands Missile Range, N.M.

KOTOWSKI, JOHN P. (M'56), System Engr. & Designer, 18M, Kingston, N.Y.

KOTOWSKI, PAUL K. (A'54), Dir., Engrg., Systems Div., Telefunken, Elizabethenstr. 3, Ulm/Donau, Germany.

KOTSAFTIS, CHARLES J. (S'57-A'58), Systems Engr., Lab. For Electronics, 1094 Commonwealth Ave., 8oston, Mass.

KOTT, MICHAFI A. (S'55-MI57). Decorate Act.

Mass.

KOTT, MICHAEL A. (S'55-M'57), Research Asst., The Johns Hopkins Univ. Radiation Lab., 1315 St. Paul St., Baltimore 31, Md.

KOTT, WARREN O. (SM'55), V.P., Land-Air, Inc., 7444 W. Wilson Ave., Chicago 31, Ill.

KOTTER, ALEXANDER S. (A'55), Field Engr., Great Name Brands, Inc., 1522 W. Lawrence Ave., Chicago 22, Ill.

KOTTMEIER, FRANK A. (M'57), Field Engr., Minneapolis-Honeywell Regulator Co., 7350 N. Lincoln, Chicago, Ill.

KOTTULAK, JOSEPH J. (M'55), Officer-in-Chg., Base Communication Center, 8ox 612, Loring AF8, Me.

KOTZE, JOHN (A'58), Radio Technician, Communications Div., City of Tampa, Tampa, Fla.

KOTZUM, JOSEPH (A'53), 27 Tamalpais Dr., Mill Valley, Calif.

KOUBA, EMIL R., JR. (S'56-M'57), Advanced Elec. Engr., Emerson Electric Mfg. Co., 8100 W. Florissant Ave., St. Louis, M₀.

(OUBA, JAMES T. (S'53-A'54-M'59), Mem., Professional Staff, Systems Labs. Corp., 14852 Ventura Blvd., Sherman Oaks, Calif.

KOUCHNERKAVICH, THOMAS A. (A'30-VA'39-M'55), Electronics Engr., Genl., CAA 17 St. & Constitution Ave., N.W., Washington 25, D.C.

N. W., Washington 25, D.C.

KOUDELKA, HAROLD A. (M'57), Richland Farm, Shepards
Lane, Ellfoat City, Md.

KOUEITER, MICHEL N. (M'57), Mem. Tech. Staff, Hughes
Prods., Newport Beach, Calif.

KOUKOL, JOSEPH F. (S'50-A'51-SM'56), Sect. Chief,
Missile Instrumentation Sect., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Ave.,

omia Institute of Technology, 4800 Oak Grove Ave.,
Pasadena, Calif.
KOULOMZIN, NIKITA J. (A'55), Dev. Engr., Lavore Labs.,
Inc., Morganville, N.J.
KOUNS, WILLIAM D., JR. (S'49-A'51-M'56), Design
Engr., RCA, Camden 1, N.J.
KOURI, FRANCIS G. (SM'52), Radar & Guidance Branch
Chief, Air Tech. Intelligence Center, Wright-Patterson
AFB, Ohio.
VOLISHQUES. IOHNI. (SM'56), Engr.-in-Cho. of TV Tech

AFB, Ohio.

KOUSHOURIS, JOHN L. (SM'56), Engr.-in- Chg. of TV Tech. Operations, C8S-TV, 485 Madison Ave., New York 22, N.Y. KOUSTAS. PETER (SM'58). Engr., RCA. Harrison, N.J. KOUTSANDREAS, JOHN D. (M'57), Electronics Scientist, Project Engr., Field Instrumentation, Naval Ordnance Lab., Silver Spring, Md.

KOUYOUMJIAN, ROBERT G. (A'53), Assoc. Supvr., Ohio State Univ. Antenna Lab., Columbus 10, Ohio.

KOYACH, JOHN F. (A'56), Tech. Editor, Burroughs Corp., Paoli, Pa.

raoli, ra.

KOVACH, LADIS D. (A'53-M'58), Design Specialist,
Douglas Aircraft Co., El Segundo, Calif.

KOVACH, LESLIE D. (S'45-A'48-M'55), Engrg. Leader,
Microwave Operations, Electron Tube Div., RCA, Harrison,
N.J.

N.J.

KOVACHIK, EDWARD (S'52-A'53), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

KOVACS, FOREST M. (S'42-A'44-M'55), Engr., HMED, GE Co., Syracuse, N.Y.

KOVAL, EDMUND R. (M'53), Supvr., Production Engrg., Sylvania Elec. Prods., Inc., 175 Great Arrow, Buffalo, N.Y.

KOVAL, JOHN F. (S'57-M'59), 7700 Gilbert St., Philadelphia 50, Pa.

KOVAL FILE MICHAEL AS (CIEA MICE)

KOVALCHICK, NICHOLAS (S'54-M'57), Assoc. Engr., 18M, Owego, N.Y.

Owego, N.Y.
KOVALCIK, EUGENE J. (M'57), Electronics Engr., Allison
Div., GMC, Box 894, Indianapolis 22, Ind.
KOVALEVSKI, NICHOLAS N. (A'49-M'55), Research Dev.
Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto,
Calif.

KOVALEVSKI, NICHOLAS N. (A'49-M'55), Research Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

KOVAR, GEORGE F. (A'52-M'55), Elec. Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, Ill.

KOVAR, MIKE M. (A'52-M'56-SM'59), Lt. Col., USAF, Chief, Communications & Electronics Div., DCS Operations, Hors., Military Air Transport Service, Scott AFB, Ill.

KOVAR, PAUL (SM'57), Sr. Engr., Southwestern Bell Tel. Co., 405 N. Broadway, Oklahoma City, Okla.

KOVAR, PAUL (SM'57), Sr. Engr., Southwestern Bell Tel. Co., 405 N. Broadway, Oklahoma City, Okla.

KOVAR, KHENRY J. (A'41), Chief Engr., Seaboard Controls, inc., 181 Ellison St., Paterson 1, N.J.

KOVASZNAY, LESLIE G. (M'53-SM'53), Prof., Aeronautics, The Johns Hopkins Univ., 8altimore 18, Md.

KOVENSKY, DAVID J. (S'56-M'577), Electronice Engr., Airborne Instrument Lab., Mineola, J. I., N.Y.

KOVSKI, JOHN J. (M'46-SM'50), Asst. Mgr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

KOWAL, ANDREW (S'53-A'54), Sr. TV Design Engr., Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.

KOWAL, ANDREW (S'53-A'54), Sr. TV Design Engr., Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.

KOWALCHIK, JOSEPH J. (A'56), Field Engr., Gent. Precision Lab., Inc., 63 Bedford Rd., Pleasantville, N.Y.

KOWALCZYK, ANTHONY C. (A'53), Radio Technician, Broadcasting WRGB-TV, GE Co., Schenectady, N.Y.

KOWALCZYK, JOSEPH R. (A'55-M'57), Communications Systems Instr., Warrenton Training Center, Warrenton, Va.

KOWALK, HARPY (S'55-M'56), Elec. Engr., Elec. Engrg. Deet., Univ. of Toronto, Toronto, Ont., Canada.

KOWALK, RONALD F. (S'57-M'58), Mem. Tech. Staff, Genl. Telephone Labs., Box 17, Northlake, Ill.

KOWALLSKI, ANTHONY (M'58), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

KOWALSKI, ANTHONY (M'58), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

KOWALSKI, LUCIAN E. (A'54), Engr., Bosco Production Test Engr., 1209 Vine St., Philadelphia 7, Pa.

5, D.C.
KOWALSKI, LUCIAN E. (A'54), Engr., 8urroughs Corp.,
1209 Vine St., Philadelphia 7, Pa.
KOWALSKI, ROBERT (A'59), Assoc. Production Test Engr.,
The Martin Co., Orlando, Fla.
KOWALSKI, ROBERT M. (S'56-M'59), Engr., CBSElectronics, 100 Endicott St., Danvers, Mass.

Electronics, 100 Endicott St., Danvers, Mass.
KOWALSKY, JOHN (M'56), Engr., Genl. Precision Lab.,
63 Bedford Rd., Pleasantville, N.Y.
KOWELL, ROBERT E. (A'57), Asst. Test Supvr., Airborne
Instrument Lab., Mineola, L.I., N.Y.
KOWITZ, ARTHUR E. (S'46-A'48-M'55-SM'57), Prod.
Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago, III.
KOWACKI, STANISLAW (SM'59), Assoc. Prof., Elec. Engrg.,
Univ. of Sarta Clara, Sarta Clara, Calif.
KOWOLS, GILBERT J. (A'56), Project Engr., Electronics
Systems Div., Cook Electric Co., 8100 N. Monticello,
Skokie, III.
KOZAK, AUGUSTINE S. (A'55), Engr., Melpar Inc., S.

KOZAK, AUGUSTINE S. (A'55), Engr., Melpar Inc., S. Fem St., Arlington, Va. KOZAK, MICHAEL J. (M'58), Microwave Engr., RCA, Camden, N.J.

Camden, N.J.

KOZAK, WALTER S. (M'55), Computer Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.

KOZAN, F. JOSEPH (A'47), Sr. Mech. Engr. E. F. Johnson Co., 206 2nd Ave., S.W., Waseca, Minn.

KOZANOSKY, COSTA (M'59), 2717 Woodvale Dr., Winston-Salem, N.C.

KOSANOWSKI, HENRY N. (A'34-VA'39-SM'49), Mgr., Advance Dev., Broadcast TV, RCA Victor Div., Camden, N.J.

KOZEL, MICHAEL S. (A'57), Mgr., Standards, Procedures & Administration, Kellogs Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, III.

- KOZIARA, EUGENE H. (M'57), Group Engr., Martin Co., Baltimore 3, Md.

 KOZICKI, HARRY (S'50-A'52-M'5B), Computer Applications Engr., RCA, Sommerville, N.J.

 KOZICKI, LAWRENCE J. (4'57), Instr., Radio Engrg. Institute, 2610 Leavenworth St., Omaha, Net. St., N.J.

 KOZIMOR, MARIAN (S'57-M'59), 299 New York Ave., Newark 5, N.J.

 KOZIN, CYNTHIA H. (M'5B), Instr., Purdue Univ., West Lafayette, Ind.

 KOZINESKI, WALTER (S'50-A'51), Field Engr., GE Co., Syracuse, N.Y.

- Syracuse, N.Y.

 KOZINSKI, ROMAN E. (S'50-A'51), Field Supvr.,
 GE Co., 700 Antoinette, Detroit 2, Mich.

 KOZITZKY, WALTER J. (S'4B-A'49-M'55), Electronics
 Engr., Curtiss-Wright Corp., 631 Central Ave.,
 Carlstadt, N.J.
- KOZLOFF, JOHN (S'50-A'51-M'56), Electronics Design Engr., Avco Mfg. Corp., 750 Commonwealth Ave., Boston 15, Mass.
- BOSTON 15, Mass.
 KRACK, JAMES J. (A'56), Sales Engr., G. S. Marshall
 Co., 2065 Huntington Dr., San Marino, Calif.
 KRACKHARDT, ELLIOTT M. (A'54), Design Engr., GE
 Co., Syracuse, N.Y.
 KRACKHARDT, RUSSELL H. (A'53), Assoc. Prof., Elec.
 Engr., Vorcester Polytechnic Institute, Worcester, Mass.
 KRACMAN, MILES (A'5B), Logistics Engr., Bendix Prods.
 Div., Missiles, 400 S. Belger, Mishawaka, Ind.
 KRAEMER, ERICH H. (S'51-A'52-M'57), Engr., Airborne
 Instrument Lab., Mineola, L. J., N.Y.
 KRAEMER, EGEORGE T. (S'53-M'55), Mem. Tech. Staff.

- Instrument Lab., Mineoia, L.I., N.Y.
 KRAEMER, GEORGE T. C. S'53-M'55), Mem. Tech. Staff,
 Bell Tel. Labs., 463 West St., New York 14, N.Y.
 KRAEMER, JOHN H. (S'54-M'56), Engr., Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston, Mass.
 KRAEMER, WILLIAM H. (M'57), Service Engr., MinneapolisHoneywell Regulator Co., 6620 Telegraph Rd., Los Angeles
 Calif.
- KRAEPELIEN, HANS Y. (M'46), Chief Engr., Genl. Telephon Co. of California, 2020 Santa Monica Blvd., Santa Monica, Calif.

- Calif.

 KRAEUTER, LINCOLN D. (M'56), Electronics Engr.,
 Bomac Labs., Salem Rd., Beverly, Mass.

 KRAFFT, WILLIAM R. (S'44-A'50-M'55-SM'56), Head,
 Communications Equipment Sect., Hughes Aircraft Co.,
 Culver City, Calif.

 KRAFT, FRANK J. (S'58-M'55), Engr., FlorIda Power &
 Light Co., 25 S.E., 2nd Ave., Miami, Fla.

 KRAFT, GLEN R. (A'56), Head, Production Oept., Union
 Carbide Plastics Co., 4445 Biddle Ave., Wyandotte, Mich.

 KRAFT, MAXIMILIAN A. (S'54-M'58), Sr. Engr., Philo
 Corp., Govt. & Industrial Div., 4700 Wissahlckon Ave.,
 Philadelphia 44, Pa.

 KRAFT, ROBERT W. (S'53-A'55), Prod. Oesim Engr.
- KRAFT, ROBERT W. (S'53-A'55), Prod. Oesign Engr., U.S. Naval Avionics, 6000 E. 21 St., Indianapolis 1B, Ind.
- Ind.
 KRAGLE, RALPH J. (S'55-M'57), Prod. Engr., Thompson Prods., 2196 Clarkwood Rd., Cleveland, Ohio.
 KRAGULJAC, NIKOLA (M'5B), Supvr., Purch. & Lab.
 Training, Radio Electronic Television Schools, 3730
 Woodward, Oetroit, Mich.
- KRAHE, LAWRENCE R. (M'52-SM'55), Project Mgr., Andrew Corp., 363 E. 75 St., Chicago 19, III KRAIMAN, HOWARD (M'56), Engr., GE Co., Syracuse,
- KRAININ, STANLEY (S'47-A'49-M'55), Research & Dev. Program Engr., GE Co., 32 & Chestrut St., Philadelphia 4, Pa.

- Pa.

 KRAITSIK, NORMAN I. (A'47-M'5B), Radio Engr., ARF Prods. Co., 7627 W. Lake St., River Forest, Ill.

 KRAICOVIC, CARL (A'5B), Tech. Rep., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 ZS St. & Lehigh Ave., Philadelphia 32, Pa.

 KRALEWSKI, STANLEY J. (S'52-A'54-M'59), Engr., GE Co., Utica, N.Y.

 KRAKAU, WERNER S. (A'55), Design Engr., Electronics, Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 KRAKAUER, STEWART M. (A'54), Research & Dev., Engr., Hewlett-Packard Co., 175 Page Mill Rd., Palo Alto, Calif.

 Calif.
- Cair.
 KRAKER, DAVID I. (M'57), Electronics Engr., Fairchild
 Airtronics Div., Wyandanch, L.I., N.Y.
 KRAKER, KENNETH P. (M'57), 710 B 41, Los Alamos, N.N
 KRAKORA, JAMES J., JR. (A'41-M'45-SM'45), Group
 Leader, Milliany Engra., Motorola, Inc., 1450 N. Cicero
 Ave., Chicago S1, III.
- KRALEY, RAYMOND L. (S'57-M'57), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- 9, N.Y.

 KRALL, WILLIAM F. (M'57), Field Engr., Minneapolis-Honeywell Regulator Co., Box 161, Union, N.J.

 KRAM, BERNARD (S'56-M'57), Systems Engr., Military Field Service Div., Burroughs Corp., Radnor, Pa.

 KRAM, WALTER (A'49), Research Consultant, Avion Div., ACF Industries, Inc., 11 Park Pl., Paramus, N.J.

 KRAM, WILLIAM P. (S'52-M'56), Design Engr., Advanced Electronics Center, GE Co., Ithaca, N.Y.

 KRAMARENKO, PETER (S'56-M'57), Sr. Research Asst., Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y.

- KRAMER, AMBROSE W. (A'42-M'45-SM'49), Consulting Engr., Electronics, Radio & TV, Box 42B, Samoset, Fla. KRAMER, ANDREAS (S'50-A'52-M'57), Chief Engr., Audio Mfg. Corp., 25 Parker Ave., Glenbrook, Conn. KRAMER, ANDREW W. (A'27-VA'39-M'55), Tech. Asst. to Pres., Tech. Publishing Co., 30B E. James St., Barrington III.

- III.
 KRAMER, ARNOLD G. (A'45), Mem. Tech. Staff, Hughes
 Research Labs., Culver City, Calif.
 KRAMER, ARTHUR S. (A'44-SM'49), B7 Anderson Pkwy.,
 Cedar Grove., N.J.
 KRAMER, BERNARO H. (S'48-A'50), Control Systems Engr.
 American Cyanamid Co., 30 Rockerfeller Plaza, New York
 2D, N.Y.
- KRAMER, ELLSWORTH R. (A'49), V.P., Security Devices Lab., 151B K St., N.W., Washington 5, D.C. KRAMER, EMANUEL (S'53-A'55), Sr. Engr., Emerson Research Labs., 701 Lamont St., N.W., Washington 11, D

- KRAMER, HERBERT (A'59), Mfg. Engrg. Supvr., Electronic Div., OUs Elevator Co., 35 Ryerson St., KRAMER, J. DAVID R., JR. (S'55-M'5B), MIT, Cambridge 37, Mass.
- KRAMER, JOHN F. (A'31-VA'39), Owner, Pacific Radio School, Western College of Radio, 735 Larkin St., San Francisco, Calif.
- Francisco, Caiif.

 KRAMER, KARL (A'41-SM'45), Mgr., Tech. Services,
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 3B, III.

 KRAMER, LUKE V. (S'52-A'52-M'57), Sr. Supvy.,
 Service Engr., Engra, & Service Dept., Westinghouse Elec.

 Corp., 1897, Baltimore 3, Md.
- Corp., 1897, Baltimore 3, Md.

 KRAMER, MILTON (A'50-M'5B), Elec. Engr., Precision Apparatus Co., Inc., 70-31 B4 St., Glendale, L.I., N.Y.

 KRAMER, NATHAN (A'57), Sr. Technician, Electronic Associates, Inc., Long Branch Ave., Long Branch, N.J.

 KRAMER, NOAH H. (S'47-A'53-M'57-SM'58), Engrg. Suppr., Stelma, Inc., 200 Henry St., Stamford, Conn.

 KRAMER, NOEL R. (S'57-M'59), Elec. Engr., RCA, Camden, N.J.
- KRAMER, RAYMOND E. (SM'57), Head, Elec. Engrg. Dept., Youngstown Univ., Youngstown, Ohio.

 KRAMER, RAYMOND F. (A'37-M'47), Project Engr., Beckman Instruments, Inc., 325 N. Muller Ave., Anaheim, Calif.
- Calif.
 KRAMER, RICHARD G. (S'56-M'5B), Elec. Engr., Bendix
 Aviation Coro., 11600 Sherman Way, North Hollywood, Calif.
 KRAMER, ROBERT (M'55), Project Engr., Servomechanisms
 Lab., MIT, Cambridge 39, Mass.

- Lab., MIT, Cambridge 39, Mass.

 KRAMER, ROBERT S. (S'50-A'51-M'57), Dev. Engr.,
 GE Co., Utica, N.Y.

 KRAMER, ROGER J. (S'50-A'53), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 KRAMER, SIGMUND (M'5B), Sr. Project Engr., American Bosch Arma Corn., Garden City, L.I., N.Y.

 KRAMER, STANLEYI. (SM'55), Chief, Electronics Div., Fairchild Astrionics Div., Wyandanch, L.I., N.Y.

 KRAMES, CLAY V. (A'51-M'55-SM'56), Supvr., Advance Missile Electronics, Chance-Vought Aircraft, Inc., Box 5907, Dallas, Tex.

 KRAMP, JOSEPH J. (M'59), Sr. Engr., Westinghouse Elec.

- Missile Electronics, Chance-Vought Aircraft, Inc., Box 5907, Dallas, Tex.

 KRAMP, JOSEPH J. (M'59), Sr. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 KRAMP, KURT M. (S'49-A'50-M'55), Sect. Mgr., Raytheon Mfg. Co., Maynard, Mass.

 KRANC, GEORGE M. (S'51-A'54-M'5B), Asst. Prof., Elec. Engrg., School of Engrg., Columbia Univ., New York, N.Y.

 KRANTZ, CHANNING H. (S'34-A'36-VA'39-M'55), Oesign Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

 KRANTZ, FREDERICK H. (A'52-M'56), Dev. Engr., Burroughs Research Center, Paoli, Pa.

 KRANTZ, FRED W. (A'23-SM'51), P. Opect Engr., Mech. Div., Genl. Mills, 615 3rd 5t., N., Minneapolis 21, Minn. KRANZ, FRED W. (A'23-Va'39-SM'51)XL), 24 Oogwood Lane, Pleasantville, N.Y.

 KRANZ, HERMAN E. (M'23-SM'47XL), Consultant, 2735 Lilley Rd., Belleville, Mich.

 KRANZLEY, ARTHUR S. (A'52-M'57), Mgr., Electronic Data Processing Methods, RCA, Camden, N.J.

 KRASIK, SIDNEY (A'43-SM'55), Div. Physics Mgr., Bettis Atomic Power Div., Westinghouse Elec. Corp., Box, 146B, Pittsburgh, Pa.

 KRASIN, ELVIN (M'58), Project Engr., Panhandle Electrical Construction Co., 604 Johnson, Amarillo, Tex.

 KRASNEY, SHERMAN (A'51), Project Engr., Panhandle Electrical Construction Co., 604 Johnson, Amarillo, Tex.

 KRASNICAN, MILANJ, (A'55-M'59), Aeronautical Research Engr., Natl. Aeronautics & Space Administration, 21000

- KRASNEY, SHERMAN (A'51), Project Engr., RCA, Moorestown, N.J.

 KRASNICAN, MILAN J. (A'55-M'59), Aeronautical Research Engr., Natl. Aeronautics & Space Administration, 21000 Brookpark Rd., Cleveland 11, Ohio.

 KRASNICK, BERNARD (A'4B-M'55), Sr. Oesign Engr., Raytheon Mfg. Co., Wayland, Mass.

 KRASNICK, SOLOMON (S'49-A'51-M'56), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 KRASNOW, S. BERT (M'5B), 705 S. Fulton Ave., Mt. Vermon, N.Y.

 KRASNY, JERROLD A. (M'5B), Assoc. Electronics Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 KRASNY, JERROLD A. (M'5B), Assoc. Washington 25, D.C.

 KRASON, HENRY C. (S'51-A'52-A'156), Electronics Scientist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 KRASOVEC, ANTON C. (A'49), Electronics Fendician, Ind. Mors. Electronics Lab., Great Lakes, III

 MASSNER, GEDRGE N. (M'59), Supvy. Electronics Engr., U.S. Army Signal Research & Development Lab., Fl. Monmouth, N.J.

 KRASSVEN, SIGMUND (M'5B), Design & Dev. Engr.,

- Monmouth, N. J.

 KRASSOWSKY, SIGMUND (M'5B), Design & Dev. Engr.,
 GE Co., Utica, N. Y.

 KRATSCH, PAUL H. (S'47-A'51-M'57), Field Engr.,
 Western Electric Co., Chatham Rd., Winston-Salem, N. C.

 KRATZ, GARY L. (S'57-M'59), Engr., Westinghouse Elec.
 Corp., Box 1897, Baltimore 3, Md.

 KRAUER, OTTO (A'50), Chief Engr., Electronics Div., Otis
 Elevator Co., 35 Ryerson St., Brooklyn, N. Y.

 KRAUS, ANDREW (M'59), Mathematician, Natl. Bureau of
 Standards, Boulder, Colo.

 KRAIS, A RAYMOND (A'40-M'47-SM\50), Corl, Gref.

- Standards, Boulder, Colo.

 KRAUS, C. RAYMOND (A'40-M'47-SM'54), Genl. Staff Transmission Engr., Bell Tel. Co. of Pennsylvania, 1B35 Arch St., Philadelphia 3, Pa.

 KRAUS, O. RICHARD (S'55-A'57), Computer Engr., Beech Aircraft, 9601 E. Central, Wichita, Kan.

 KRAUS, F. ARTHUR (A'14-M'55), Tech. Service, H. K. Neuber, 1539 Race St., Philadelphia 2, Pa.

 KRAUS, JEROME (A'59-SM'59), Sect. Supvr., Fairchild Camera & Instrument Corp., 5 Aerial Way, Syosset, L.I., N

 KRAUS, JOHN D. (A'32-M'43-SM'43-F'54), Prof., Elec. Engra. & Dir., Radio Observatory, Ohio State Univ., Columbus 10, Ohio.

 KRAUS, MAX H. (A'52-M'57), Mor., Construction & Engra.
- KRAUS, MAX H. (A'52-M'57), Mgr., Construction & Engrg. Dept., Jerrold Electronics Corp., 15 & Lehigh Sts., Phila-delphia 32, Pa.
- delphia 32, Pa.

 KRAUS, RUSSELL W. (S'4B-A'50-M'56), Electronics Engr., Olamond Ordnance Fuze Labs., Washington 25, D.C.

 KRAUSE, ARNOLD M. (M'5B), Elec. Engr., RCA, 75 Varick St., New York S4, N.Y.

 KRAUSE, CHARLES A. (A'53-M'55), Engrg., Specialist, Nortronics Div., Northron Corp., Hawthome, Calif.

 KRAUSE, CHARLES K. (A'30-VA'39-M'55), Pres. & Genl. Mgr., The Kenru Co., Box 121, Parsippany, N.J.

 KRAUSE, ERNEST H. (M'5B), Project Engr., Pioneer Electric & Research Corp., 743 S. Circle, Forest Park, III.

- KRAUSE, HARVEY W. (M'5B), Assoc. Engr., IBM,

- KRAUSE, HARVEY W. (M'5B), Assoc. Engr., IBM, Kinston, N.Y.

 KRAUSE, HERBERT J. (A'5B), Electronics Technician, The Emerson Electrical Mfg. Co., 59 & Industrial Ave., East St. Louis, III.

 KRAUSE, LLOYD O. (SM'55), Mgr., Antennas & Microwave Electronics Lab., GE Co., Syracuse, N.Y.

 KRAUSE, OTTO H. (S'50-A'52-M'57), Project Engr., Univ. of California Radiation Lab., Livermore, Calif.

 KRAUSE, RALPH A. (SM'4B), Assoc. Dir., Stanford Research Institute, Stanford, Calif.

 KRAUSE, ROBERT E. (S'56-M'57), 3BOB 21 Ave., Kenosha, Wis.
- Kenosha, Wis.

 KRAUSE, WILLIAM B. (M'55), Sr. Sales Engr.,
 Red Bank Div., Bendix Aviation Corp., Burbank, Calif.

 KRAUSER, JAMES L. (S'58-M'59), Elec. Engr., Remington
 Rand Univac, St. Paul 16, Minn.

 KRAUSS, BERT F. (S'54-M'56), Electronics Scientist,
 Air Force Cambridge Research Center, Bedford, Mass.

 KRAUSS, DONALD M. (M'59), Project Engr., GE Co.,
 Svracuse, N. Y.

 KRAUSS, ERNEST (A'57), V.P., E-Kay Mfg. Co., Inc.,
 470 Rte. 46, South Hackensack, N. J.

 KRAUSS, ERREST (S'40-A'42-M'46-SM'50), Assec

- KRAUSS, HERBERT L. (S'40-A'42-M'46-SM'50), Assoc. Prof., Elec. Engrg., Dunham Lab., Yale Univ., New Haven, Conn.

- Conn.

 KRAUSS, SERGE L. (A'42-M'55), Elec. Design Engr., C.G. Conn., Ltd., Elkhart, Ind.

 KRAUSS, WILLIAM N. (A'52-M'57), Dev. Engr., Western Electric Co., % Bell Tel. Labs., Whippany, N.J.,

 KRAUSSE, JOEL B. (A'54), Engr., The Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland 4, Ore.

 KRAUSZ, ALFRED (S'44-A'46-SM'53), Mgr., Regulator Sect., Jack & Heintz, Inc., Cleveland 1, Ohio.

 KRAUSZ, CARLOS (A'56), Electronics Engr., Stoddard Aircraft Radio Co., Inc., 6644 Santa Monica Bivd., Hollywood 3B, Calif.

 KRAUSZ, ROBERT (S'47-A'4B-SM'54), Pres., Rantec

- KRAUSZ, ROBERT (S'47-A'4B-SM'54), Pres., Rantec Cop., Calabasas, Calif. KRAUSZ, ROBERT (A'54), Project Engr., Manson Labs., Inc., 2'07 Greenwich Ave., Stamford, Conn. KRAVETZ, ADAM J. (S'43-A'47-M'55), Asst. Prof., Dent. of Elec. Engrg., Univ. of Toronto, Toronto 5, Ont., Canada.
- KRAVETZ, HERMAN T. (S'54-M'57), Asst. Project Engr., Radio Div., Bendix Aviation Corp., Towson 4, Md. RAUITZ, MORRIS L. (M'56), Elec. Engr., Electronic Associates, Inc., Long Branch Ave., Long Branch, N.J. KRAWCZEWICZ, STANLEY T. (S'56-M'5B), Patent Examiner, Dept. of Commerce Patent Office, Washington, D.C.
- Examiner, Dept. of Commerce Patent Office, Washington, D.C.

 KRAWIEC, JOSEPH C. (S'56-M'57), Design & Dev. Engr., RCA. 11819 W. Olympic Bildd., Los Angeles 64, Calif. KRAWIEC, JOSEPH P. (M'5B), Assoc. Scientist, Mathematics, Avco Mfg. Corp., Lowell St., Wilmington, Mass. KRAWITZ, LAWRENCE J. (A '57), Mecl., Design & Dev. Engr., RCA, Canden 2, N.J.

 KRAWITZ, LAWKENCE J. (A '57), Mecl., Design & Dev. Engr., RCA, Canden 2, N.J.

 KRAWITZ, MAX (A'48-SM'50), Asst. Chief Engr., Picture Tube Div., Sylvania Elec. Prods., Inc., Senaca Falls, N.Y.

 KRAYERGER, GERALD. S. (A'51), Field Engr., Tektronix, Inc., 2330 9 St., S., St. Petersburg, Fla.

 KRAYBOHN F., JR. (S'53-A'55), Lt. jg, USNR, Faetulant Det. 2, U.S. Naval Alr Sta., Jacksonville, Fla.

 KRAYBILL, MARTIN E., JR. (M'54), Research Asst., The Johns Hopkins Univ., Baltimore 2, Md.

 KRAYER, GUS (A'53-SM'5B), Engr., Airborne Instrument Lab., Melville, N. Y.

 KRC, PAUL S. (S'51-A'51-M'5B), Project Engr., Sciaky Bros., Inc., 4915 W. 67 St., Chicago 3B, Ill.

 KRCEK, JOSEPH A. (A'43-M'55-SM'55), Dev. Coordinator, Navy Dept., Office of Naval Research, Washington, D. C.

 KREAGER, CLYDE R. (A'53), Engr., Industrial Nucleonics Corp., 1205 Cliesapnaek Ave., Columbus, Ohio.

 KREAGER, PAUL H. (A'3B-M'45), Div. Contracts Mgr., Kearfott Co., Inc., 253 N. Vinedo Ave., Pasadena, Calif.

 KREAGER, PETER C. (S'50-A'52), Mem. Tech. Staff, Ground Systems Div., Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 KREBS, DONALD W. (M'56), Engr., Collins Radio Co., Cedar Rapids, Jowa.

- KREBS, DONALD W. (M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa
- REBS, JACK H. (A'56), Sales Mgr., Instrument Div., Technical Prods. Co., 6670 Lexington Ave., Los Angeles 3B, Calif.

- Technical Prods. Co., 6670 Lexington Ave., Los Angeles 3B, Calif.

 KREBS, WILLIAM N. (A'29-VA'39), Chief Marine Div., FCC, Washington 25, D. (E. C., Washington 26, D. (E. (E. (E. C., Washington 26, D. (E. (E. (E. (E. (E. Engrape)))))))

 KREGER, KENNETHO, (M. (E. E., Washington 26, D. (E. (E. (E. Engrape)))), Chief Engra, Chiego 26, D. (E. (E. (E. Engra, Chiego 26, D. (E. (E. Engra, Chieg
- KREIMHEDER, DONALD E. (A'53-M'5B), Oesign Special-ist, Electronic Specialty Co., 5121 San Fernando Rd., Los Angeles 39, Calif.

- Los Angeles 39, Calif.

 KREIS, ALBERT L. (A'32-VA'39), Electronics Engr., FCC, Washingto. 15, D.C.

 KREIS, ROBERT J. (A'48-M'53), Asst. Chief Engr., TV Sta. WLWC, Crosley Broadcasting Corp., 31.65 Olentangy River Rd., Columbus 2, Ohlo.

 KREISMANIS, MODRINS V. (M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 KREITHEN, ALEXANDER (SM'57), Chief Engr., Documentation, Inc., 2521 Connecticut Ave., Washington B, D.C.

 KREITLER, C. EUGENE (M'56), Design Engr., Automatic Controls Systems, Douglas Aircraft Co., Field Sta., White Sands Proving Ground, Las Cruces, N.M.

- 255 -KRF-KRII

- KREITZBERG, SIDNEY 8. (S'51-A'53), Project Engr., RCA, Moorestown, N. J. KREITZBURG, HARRY L., JR. (M'53), Electronics Scientist, USAF, Weapons Guidance Lab., Wright-Patterson tist, USAF AFB, Ohio
- KREITZER, HARRY M. (M'50), Sales Engr., Gawler-Knoop Co., 178 Eagle Rock Ave., Roseland, N.J. KREITZER, HOWARD M. (S'55-A'56), Test Methods Engr., RCA, Moorestown, N.J.
- KREITZER, NORMAN H. (S'57-M'59), Design Engr., GE

- KREITZER, NORMAN H. 13 / mm. 15 / mm. 16 / mm. 1

- St., Wilmington, Mass.

 KREMPEL, FRANK M. (J'40-A'42-M'55-SM'58), Mgr.,
 Engrg. & Research Div., Stewart Warner Electronics, 1300
 N. Kostner Ave., Chicago 51, III.

 KRENCIK, PETER M. (S'56-A'57), Engrg. Alde, Hazeltine
 Electronics Corp., Little Neck, L.I., N.Y.

 KRENDEL, EZRA S. (SM'58), Branch Head, Engrg. Psychology, Franklin Institute, Philadelphia 3, Pa.

 KRENICKI, JOSEPH (S'48-A'50-M'55), Project Engr., Olin
 Mathieson Chemical Corp., Winchester Ave., New Haven,
 Conn
- KRENITSKY, PAUL (S'51-A'54-M'59), Dev. Engr., GE Co., Syracuse, N.Y.
- KRENTEL, WILLIAM D. (M'56), Engr., GE Co., Syracuse,
- N.T., KRENZ, JERROLD H. (S'55-M'58), Mem. Tech. Staff, GE Microwave Lab., 601 California St., Palo Alto, Calif. KRENZER, BETTE A. (A'46-M'52), Electronics Engr., USAF, Air Technical Intelligence Center, Wright-Patterson USAF, Áir AF8, Ohio
- AFB, Ohio

 KREPPS, JAMES E., JR. (A'46-SM'58), Engro., Sarkes Tarzian, Inc., E. Hillside Dr., Bloomington, Ind.

 KRES, ALFRED J. (A'39-M'55), Engr., Ohio Bell Tel.
 CO., 700 Prospect Ave., Cleveland 15, Ohio.

 KRESCHOLLEK, FRED W. (A'52), Electronics Technician,
 Sperry Gyroscope Co., Great Neck, L.I., NY,
 KRESGE, PAUL A. (S'56-M'57), Research Asst., Georgia Tech. Engrs. Experiment Sta., Atlanta 13, Ga.

 KRESS, ORIAM C. (S'47-A'49), 721 Wellmeier Ave..
 Dayton 10, Ohio.

 KRESSMAN, JOHN H. (S'56-M'59), Engr., ITT Labs.,
 Nutley 10, N.J.

 KRET. DAVUD 8. (A'53-M'56), Mor., Prod. Planning,

- Nutley 10, N.J.

 KRET, DAVID 8. (A'53-M'56), Mgr., Prod. Planning,
 Semi-Conductors Div., Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Ariz.

- Semi-Conductors Div., Motorola, Inc., 5005 E. Mc-Dowell Rd., Phoenix, Ariz.

 KRETCHMAR, PAUL R. (S'55-M'57), Electronics Engr.,
 Natl. Security Agency, Ft. Meade, Md.

 KRETSCHEK, RUDDLPH D. (S'57-A'58), Instr., RCA Institute, 350 W. 4 St., New York 14, N. Y.

 KRETZING, JOHN C. (M'55), Project Engr., Dorne & Margolin, Inc., 29 New York Ave., Westbury, L. I., N. Y.

 KRETZMER, EARNEST R. (S'46-A'49-SM'53), Supvr.,
 Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 KREUDER, NORMAN L. (S'49-A'50-M'55-SM'57), Sr.

 Dev. Engr., ElectroData Div., Burroughs Corp., 460 N.

 Sierra Made Villa, Pasadena, Calif.

 KREUGER, GERALD B. (S'57-M'59), Authority Engr.,
 United States Gypsum Co., RFD. 3, Ft. Dodge, Iowa.

 KREUTZBERG, JOHN, JR. (M'57), Mem. Tech, Staff,
 Bell Tel. Labs., 2500 Broening Hwy., Baltimore 24, Md.

 KREUTZBERG, MARK L. (S'555-M'57), Lt. jg. (SINR, USS)

- United States Lypsum Co., RP.D. 3, Ft. Dodge, Iowa.

 KREUTZBERG, JOHN, JR. (M'57), Mem. Tech, Staff,

 Bell Tel, Labs., 2500 Broening Hwy., Baltimore 24, Md

 KREUTZER, MARK L. (S'55-M'57), Lt. jp. USNR, USS

 Lexington, CVA 16, FPO, San Francisco, Calif.

 KREUZ, LENARD B. (A'45-SM'51), Communications

 Supvr., The Univ. of Texas, Box 80.15, Austin 12, Tex.

 KREUZ, LENARD B. (A'45-SM'51), Communications

 Supvr., The Univ. of Texas, Box 80.15, Austin 12, Tex.

 KREUZ, WILLIAM E. (S'53-A'54), Intermediate Engr.,

 Hycon Mfg. Co., 1030 S. Arroyo Pkwy., Pasadena, Calif.

 KREUZER, BARTON (A'29-VA'39-M'49), Mgr., Mkto.,

 Astro-Electronic Profts, Div., RCA, Princeton, N. J.

 KREVSKY, SEYMOUR (S'42-A'44-M'46-SM'51), Chief,

 Microwave D/F & Antenna Sect., Countermeasures Div.,

 Surveillance Dept., Evans Area, U., S. Army Signal Research & Development Lab., Belmar, N.J.

 KRICEK, JOSEPH V. (S'49-A'53-M'58), Field Engr.,

 Norden-Ketay, Wiley St., Milford, Conn.

 KRIEG, ALBERT R. (A'55), Radio Master Control Technician, Twin State Broadcasting Co., Inc., 2925 Dean

 Blvd., Minneapolis, Minn.

 KRIEG, SIDNEY (S'52-A'53-M'58), Enjef Engr., Jaidinger

 Mfg. Co., 1921 W. Hubbard, Chicago, Ill.

 KRIEG, SIDNEY (S'52-A'53-M'58), Enjef Engr., Jaidinger

 Mfg. Co., 1921 W. Hubbard, Chicago, Ill.

 KRIEGER, H.C. (SM'57), Geophysicist, Humble Oil & Re
 Tining Co., Box 2180, Houston, Tex.

 KRIEGER, ARTHUR E. (A'58), Dev. Engr., Libby Owen

 Ford Glass Co., Rossford, Ohlo.

 KRIEGER, ARTHUR E. (A'59), P.P., Genl. Mgr., Bogart

 Mfg. Corp., 315 Sepiel St., Brooklyn G., N.Y.

 KRIEGER, HERBERT C. (A'47-M'55), Chief Production

 Engr., Adams Elec'ronics, Inc., Charles St., Bangor, Mich.

 KRIEGER, PHILIP (A'47-M'51), Treas., Metropolitan

 Telephone Supply Corp., 964 Dean St., Brooklyn 38, N.Y.

- Betingage, L.I., N.Y.

 KRIEGER, PHILIP (A'47-M'51), Treas., Metropolit an Telephone Supply Corp., 964 Dean St., Brooklyn 38, N.Y.

 KRIEGER, ROBERT W. (A'54), Domestic Radio Systems Engry., AT&T Co., 32 Ave. of the Americas, New York 13, N.Y.
- KRIJGSMAN, BERNARD A. (M'59), Engr., MIT Instrumentation Lab., 68 Albany St., Cambridge, Mass.
 KRIJNEN, TIMOTHEUS M. G. (A'57), Tech. Rep., Canadian Aviation Electronics, 6214 Cote de Liesse Rd.,
 Montreal, P.Q., Canada.
- Montreai, P.Q., Canada.

 KRILANOVICH NICHOLAS J. (A'54), Electronics Engr.,
 Motorola, Inc., 8330 Indiana Ave., Riverside, Calif.

 KRILL, CHARLES K. (A'52-SM'55), Chief Engr., Commercial Div., Librascope, Inc., 808 Western Ave., Glendale, Calif.
- KRIM, NORMAN 8. (S'33-A'38-M'55), V.P., Components & Commercial Prods., Raytheon Mfg. Co., Waltham 54, Mass.

- KRIMSKY, WALTER J. (S'48-A'50-M'55), Field Mgr., IBM, 385 Madison Ave., New York 17, N. Y.
 KRINER, JAMES I. (A'57), Research Asst., Physicist, Indiana Univ. Medical Center, 1040 W. Michigan St., Indianapolis, Ind.
 KRING, CURTIS I. (M'55), District Service Engr., GE Co., 2826 Main St., Kansas City, Mo.
 KRING, JOHN D., JR. (A'52-M'58), Sr. Electronics Engr., Convair-Astronautics, Vandenberg AF8, Lompoc, Calif.
 KRINSKY, BURTON D. (A'52-M'57), Engr., Lab. for Electronics, Inc., 75 Pitts St., Boston, Mass.
 KRINSKY, MORRIS L. (S'55-A'56-M'57), Foreman, Test Dept., Raytheon Mfg. Co., Industrial Tube Div., 55 Chapel St., Newton 58, Mass.
- KRINSKY, SEYMOUR S. (A'48), Dir., Western Engrg. Div., Telechrome Mfg. Corp., 13635 Victory Blvd., Van Nuys, Calif.

- Calif.
 KRISE, ROBERT F. (S'57-A'58), Jr. Site Technician,
 Burroughs Corp., Philadelphia, Pa.
 KRISHNA JI (SM'55), In Cho., Electronics Sect., Physics
 Dept., Univ. of Allahabad, Aliahabad 2, India.
 KRISHNAN, THIRUVENKATA (M'58), The Div. of Radiophysics, Common wealth Scientific Industrial Research
 Organization, University Grounds, Chippendale, Sydney,
 N. S. W. Australia
- N.S.W., Australia. KRISHNASWAMI, M. S. (M'56), Head, Operational Research & Instrumentation Sects., Research Div., The Metal Box Co. of India, Ltd., 92/1 Alipore Rd., Calcutta 27,

- Lox Co. or India, Ltd., 92/1 Alipore Rd., Calcutta 27, India.

 KRISHNASWAMY, P. B. (S'57-M'59), Project Engr., Fischer & Porter Co., Hatboro, Pa.

 KRISNISKI, STANLEY V. (M'56), Assoc. Engr., IBM, Kingston, N.Y.

 KRISS, CHARLES J. (M'58), Pres., Chief Engr., Kriss Electronics, Inc., 191-195 Oraton St., Newark, N.J.

 KRIST, H. KELVIN (M'42-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 KRIST, H. KELVIN (M'42-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Whippany), N.J.

 KRITTKE, EDGENE L. (S'55-M'55), Asst. Instr., Moore School of Elec. Engrg., Univ. of Pennsylvania, 200 S. 33 St., Philadelphia 4, Pa.

 KRITTER, EUGENE L. (S'55-M'56), Elec. Engr., North East Airlines, 239 Prescott St., E., Boston, Mass.

 KRITTMAN, IRWIN M. (M'58), Research Engr., RCA Astro-Electronic Prods., Samoff Research Center, Princeton, N.J.

 KRITZ, JACK (A'43-M'47), Head, Research Labs., American Bosch Arma Car.

- St., New York 13, N.Y.

 KRITZ, JACK (A'43-M'47), Head, Research Labs., American Bosch Arma Corp., Head, Research Labs., Garden City, L.I., N.Y.
- L.I., N.Y.

 KRITZER, EDWARD A. (A'56), Tech. Liaison Officer (Electronics), USAF, Univ. of California Radiation Lab., 80x 808, Livermore, Calif.

 KRIVANICH, MICHAEL A. (A'50-M'55), Electronics Engr., Electronic Warfare Div., White Sands Missile Range, N.M.

 KRIVOHLAVEK, GEORGE M. (M'50), Engrg. Designer, Berkeley Div., Beckman Instruments, 2200 Wright Ave., Plehomord Calif
- KRIVOHLAVEK, GEORGE M. (M'5B), Engrg. Designer, Berkeley Div., Beckman Instruments, 2200 Wright Ave Richmond, Calif. KRIZ, JOSEPH (A'27), Dir. Electronics, Baldwin-Lima-Hamilton Corp., Electronics & Instrumentation Div., 42 4 Ave., Waltham 54, Mass.
- 4 Ave., Waltham 54, Mass.

 KRIZ, KARL H. (SM'57), Sect. Head, Radioplane, Inc., 8000 Woodley Ave., Van Nuys, Calif.

 KRIZANDSKY, ANDREW (A:52), Telephone Engr., Middle States Telephone Co., 767 Pearson, Des Plaines, Ill.

 KRODY, JOHN L. (A:48-M'55), Chief Engr., Page-Ette Div. of New York Tech., 232 E 8 St. Cincinnati 2, Ohio.

 KROECKEL, CHARLES H. (S'56-M'57), Designer, Douglas Aircraft Co., Santa Monica, Calif.

 KROEGER, ROBERT D. (S'50-A'51-M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck. L.I., N.Y.

 KROEHS, ALFRED R. (A'59), Prod. Engr., Bendix Aviation Corp., 201 Westwood Ave., Long Branch. N.J.

- Sperry Gyroscope Lo., Great Neck, L.I., N.Y.
 KROEHS, ALFRED R. (A'59), Prod. Engr., Bendix Aviation
 Corp., 201 Westwood Ave., Long Branch. N.J.
 KROEMER, HERBERT (M'56), Research Physicist, Phillips
 Labs., Hamburg, Germany.
 KROEMER, JOHN R. (A'51), Jr., Elec., Engr., Hoffman Radio
 Corp., 6200 S., Avalon, Los Angeles, Calif.
 KROENER, JOHN R. (A'51), Jr., Elec., Engr., Hoffman Radio
 Corp., 6200 S., Avalon, Los Angeles, Calif.
 KROENER, DONALD F. (M'57), Dev. Engr., Systems, Sperry
 Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.
 KROENER, DONALD F. (M'57), Dev. Engr., Systems, Sperry
 Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.
 KROENERT, JOHN T. (S'42-A'45-SM'53), Sect. Heac,
 Sonar Dept., Raytheon Mfg. Co., Wayland, Mass.
 KROES, DONALD P. (S'56-M'58), Elec. Engr., Genl.
 Telephone Labs., 100 Wolf Rd., Northlake, Ill.
 KROESSLER, AUGUST W. (M'59), Pres., A.W., Kroessler
 Co., Inc., 32-30 S8 St., Woodside, L.I., N.Y.
 KROGER, MARLIN G. (S'49-A'50-M'55-SM'57), Chief
 Engr., Military Communications, Motorola, Inc., 1450 N.
 Cicero Ave., Chicago 51, Ill.
 KROGH, RAYA, (S'49-A'50-M'55), Asst. Chief Engr.,
 Components Div., Litton Industries, 5873 Rodeo Rd.,
 Los Angeles 16, Calif.
 KROGH, ROBERT S. (S'53-A'53-M'58), Engr., Collins
 Radio Co., Cedar Rapids, Iowa.
 KROGSTAD, MILTON O. (A'50), Maint. Engr., May Broadcasting Co., 2615 Farmam St., Omaha, Neb.
 KROHN, CHARLES A. (M'56), Sr. Elec. Engr., Motorola,
 Inc., 8201 E. McDowell Rd., Phoenix, Ariz.
 KROK, THADDEUS J. (S'57-M'59), Engr., Sikorsky Aircraft, N. Main St., Stratford, Conn.
 KROKO, LEONARD J. (A'55), Semiconductor Device Engr.,
 Westinghouse Elec. Corp., Materials Engrg. Dept., 7325
 Penn Ave., Pittsburgh, Pa.
 KROLL, JOSEPH B. (S'51-A'52-M'58), Project Engr.,
 Hallicrafters Co., 1000 S. Kostner, Chicago 41, Ill.

- Penn Ave., Pittsburgh, Pa.

 KROLL, JOSEPH 8. (S'51-4'52-M'58), Project Engr.,
 Hallicrafters Co., 1000 S. Kostner, Chicago 41, Ill.

 KROLL, RICHARD T. (A'42), Etec. Engr., Willow Run Labs.,
 Univ. of Michigan, Ypsilanti, Mich.

 KROLL, WILLIAM (S'50-A'51-M'56), Group Supvr., Lockheed Missile Systems Div., Sunnyvale, Calif.

 KROMAN, EDWARD J. (S'54-M'56), Engr., The Martin Co.,
 Baltimore 3, Md.

 KROMER, ARTHUR P. (SM'56), Mgr., Professional Prods.
 Mfg. Dept., Ampex Corp., 934 Charter St., Redwood City,
 Calif.
- KROMHOUT, ORA M. (A'54), 227 Westridge Dr., Tallahassee,
- Fla.
 KRONACHER, GERALD (SM'58), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N. J.
 KRONE, IRWIN (M'54), Mgr. & Secy., Federated Purchaser,
 Inc., 11275 W. Olympic Blvd., Los Angeles 64, Calif.

- KRONENBERG, MARVIN (SM'54), Sect. Head, Lab. Div., CBS, High Ridge Rd., Stamford, Com.

 KRONENGOLD, MORTON (A'51-M'56), Dir., Engrg., Centronix, Inc., 4000 N. W. 28 St., Miami, Fla.

 KRONGELB, SOL (S'51-M'59), Physicist, IBM Research Center, Yorktown Heights, N. Y.

 KRONICK, HARVEY E. (M'56), Staff Engr., Military Prods., Div., IBM, Kingston, N. Y.

 KRONLAGE, RENE B., JR. (A'55), Sr. Design Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 KROPP, CLIFFORD W. (M'56), Eastern Regional Mgr., Tele-Dynamics, Inc., 5000 Parkside Ave., Philadelphia 31, Pa.

 KROPP, GEORGE W. (A'57), Engrg. Supwr., Data Processing Installation, Bizmac, RCA Service Co., Camden, N. J.

 KROS, KURT W. J. (M'57), Elec. Engr., Univ. of Southern Calif., University Ave., Los Angeles 7, Calif.

 KROSS, VICTOR (S'50-A'53-M'57), Elec. Engr., Lab. for Electronics, 75 Pitts St., Boston 14, Mass.

 KROSSA, KENNETH D. (S'52-M'56), Dev. Engr., Electrodata, 461 Sierra Madre Villa, Pasadena, Calif.

 KROUPA, HENRY F. (M'56), System Engr., RCA Victor, Camden, N. J.

- KROWL, GEORGE W. (A'49-M'55), Unit Leader, Automatic Checkout Systems, Avionics Div., Bell Aircraft Corp., Buffalo 5, N.Y.

- Checkout Systems, Avionics Div., Bell Aircraft Corp., Buffalo S, N. Y.

 KROY, WALTER H., JR. (S'55-M'56), Designer, Douglas Aircraft, Inc., Long Beach B. Callif.

 KRSTENANSKY, JOSEPH S. (A'49), Carson, Pirie, Scott & Co., 1 S. State St., Chicago, Ill.

 KRUEGER, ALBERT C. (M'46), Physicist, Intercontinental Electronics Corp., 1551 Franklin Ave., Mineola, L.I., N.Y.

 KRUEGER, ARTHUR R. (M'58), Endr., GE Co., Utica. N.Y.

 KRUEGER, DONALD (M'59), Sr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 KRUEGER, DONALD H. (S'52-A'53-M'58), Engr., Krolls Atomic Power Lab., GE Co., Schenectady, N.Y.

 KRUEGER, EARL C. (S'55-M'56), Preliminary Design Engr., Airesearch Mfg. Co., 402 S. 36 St., Phoenix, Ariz.

 KRUEGER, EWALD P. (S'56-A'57), 427 Ridge Rd., Forest Lake, Rt. J., Box 230, Lake Zurich, Ill.

 KRUEGER, CIVKER H. (S'58-A'59), Field Service Engr., Remington Rand Univac, 311 Turner St., Utica, N.Y.

 KRUEGER, PAUL C. (M'58), Electronics Engr., Picatinny Arsenal, Dover, N.J.

 KRUEGER, RAY E. (M'46), Physicist, 977 7 St., Boulder, Colo.

- KRUEGER, RINGLAND M. (A'44-M'44-SM'51), Mfrs. Rep., Ringland Krueger Co., 5306 W. Lawrence Ave., Chicago 30,
- III.

 KRUEGER, ROBERT E. (S'46-A'49-M'49), V.P. Mktg., Advanced Instrument Corp., 1740 University Ave., Berkeley, California.

 KRUEGER, ROBERT K. (M'59), Sr. Quality Control Engr., Eastman Kodak Co., 121 Lincoln Ave., Rochester 11, N.Y.

 KRUEGER, THOMAS O. (S'55-M'56), Electronics Engr., U.S. Army Signal Research & Development Labs., Ft.
- KRUEGER, WALTER F. (A'50-M'55), Sales Engr., Prods. Group, Hughes Aircraft Co., 6120 W. North Ave., Chicago, III.
- KRUESI, GEOFFREY G. (A'51-M'56), Elec. Engr., Philoo Corp., Western Dev. Lab., 3875 Fabian Way, Palo Alto, Calif.
- KRUG, EDWARD G. (A'53-M'58), 909 Wood Ave., Traverse City, Mich.
- KRUG, RICHARD E. (A'55), City Librarian, Milwaukee Public Library, 814 W. Wicsonsin Ave., Milwaukee 3, Wis.
- Wis.

 KRUGER, BRADFORD E. (\$'55-M'57), Design Engr.,
 Giffilan Bros., 1815 Venice Blvd., Los Angeles 6, Calif.
 KRUGER, FRED W. (A'52-M'56), 12728 S. Chadsey Dr.,
 La Mirada, Calif.
 KRUGER, HENRY A. (S'49-A'51-M'56), Project Engr.,
 Ballantine Labs., Inc., Boonton, N. J.
 KRUGER, IRVING D. (M'57), Mgr., Radar Mech. Engrg., RCA,
 Moorestown, N. J.
 KRUGER, KEPMIT W. (A'10-1)

- Moorestown, N. J.

 KRUGER, KERMIT W. (M'57), Electronics Engr., FAA
 Aeronautical Center, Oklahoma City, Okla.

 KRUGER, VICTOR (A'48), Administrative Mgr., Ford Div.,
 Box 1297, Lansing, Mich.

 KRUGMAN, LEONARD M. (SM'56), Mgr., Elec. Engrg.,
 Radio & Victorla Div., RCA Victor, Camden B, N. J.

 KRUK, ROBERT J. (SM'59), Sr. Weapon System Engr.,
 Republic Aviation Corp., Mineola, L. I., N.Y.

 KRULEE, ROBERT L. (A'47-5'49-A'53-M'58), Engrg.
 Specialist, Sylvania Elec. Prods., Inc., Waltham 54,
 Mass.

 KRUI KROSKI, STANIEV L. 10. (Al42-MISS)

- Mass.

 KRULIKOSKI, STANLEY J., JR. (A'46-M'55), Project Engr., Research Labs., Div., Bendix Aviation Corp., 8ox 5115, Detroit 35, Mich.

 KRULISH, R. GENE (M'57), Sales Engr., W. Bert Knight Co., 10377 W. Pico, Los Angeles 64, Calif.

 KRULISH, ROBERT C. (S'54-A'55), Chief, Electronics Engr., Sect. 14th Coast Guard District, Box 4010, Honolulu, Hawaii.
- KRUMBEIN, JARVIS (A'57), Project Engr., Eldico Electronics Div., Radio Engrg. Labs., 29-01 Borden Ave., Long Island
- KRUMHARDT, CARL (A'52), Project Engr., Tel-Vision Labs., Inc., Wauconda, III.
- KRUMHARDT, CARL (A'52), Project Engr., Tel-Vision Labs., Inc., Wauconda, III.

 KRUPA, JOHN E. (S'53-A'53), Electronics (Airborne) Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.

 KRUPEN, PHILIP (A'46-M'52-SM'58), Physicist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 KRUPINSKI, JOSEPH A. (S'53-A'55), 1st Lt., USAF, Ground Electronics Officer, Det. 1 HED. AMFEA, (LALO), APO 124, New York, N.Y.

- APO 124, New York, N.Y.

 KRUPPER, JOHN A. (M'58), Mgr., Quality Control, Avionics Div., Bell Aircraft Corp., 8uffalo 1, N.Y.

 KRUSBERG, ROY J. (S'55-M'59), Electronics Engr., Monroe Calculating Machine Co., Valley Dr., Bristol, Va.

 KRUSE, CHARLES J. (S'50-A'52-M'57), Electronics Design Engr., California Tech. Industries, 1421 Old County Rd., Belmont, Calif.

 KRUSE, E. STANLEY (S'56-M'58), Engr., Western Union, 60 Hudson St., New York, N.Y.

 KRUSE, ELWOOD A. (M'57), Engr., Sylvania Elec. Prods., Inc., 2825 Mt. Pleasant St., 8urlington, lowa.

- KRUSE, FREDERICK W., JR. (S'46-A'49-M'55), Pres., & Engr., Alfred Electronics, 897 Commercial St., Palo Alto, Calif.
- Calif.

 KRUSE, HENRY J. (S'56-A'57), Service Mgr., Wells Television, Inc., 22 W. Madison, Chicago 2, III.

 KRUSE, JOHN R., JR. (M'55), Project Engr., Norden Div., United Aircraft Corp., 121 Westmoreland Ave., White Plains, N.Y.
- KRUSE, LOUIS C. (S'49-A'50-M'56), Production Mgr. & Treas., Cambridge Instrument Co., 73 Spring St., Ossining, N.Y.
- N.Y.

 KRUSE, O. SIGURD N. (A'30-M'55), Teacher, ElecCommunication, H. Tekniska Laroverket, Drottningholmsv.
 82, Stockholm K, Sweden.
 KRUSE, RICHARD C. (S'56-M'57), 110524 Plainview Ave.,
 Tujunga, Calif.
 KRUSEMARK, KEITH A. (M'56), Design Engr., GE Co.,
 Utica. N. Y.

- KRUSHINSKI, WILLIAM (A'59), Engr., Martin Co., Baltimore,

- MUSTIMSN, WILLIAM (A:59), Engr., Martin Co., Baltimon Md.

 KRUSOS, DENIS A. (M'54), Principal Electronics Engr., Republic Aviation, Guided Missiles Div., 447 Broadway, Hicksville, L.I., N.Y.

 KRUTE, ELMER H. (A'49), Communications Supvr., Atlantic Refining Co., Box 849, Port Arthur, Tex.

 KRUTILEK, GEORGE A. (A'58), Mfrs. Rep., Engr., G. A.

 Krutilek, Box 227, El Paso, Tex.

 KRUTIMAN, JULIUS M. (A'56), Purch. Agent., Pyramid instrument Corp., 630 Merrick Ad., Lynbrook, L.I., N.Y.

 KRUTTER, HARRY (SM'47), Chief Scientist, Naval Air Development Center, Johnsville, Pa.

 KRUUSEMENT, JOE (S'57-A'57), Tech. Asst., Northern Electric Co., 420 Lagachetiere, W., Montreal, P.Q., Canada.
- Canada.

 KRYGIER, GEORGE F. (SM'57), Sr. Components Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 KRYGSMAN, CORNELIS (S'56-A'57), Prod. Planner, GE
 Co., Schenectady, N.Y.

 KRYSKE, LEON E. (S'49-A'51-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 KRZYCH, LOUIS J. (A'59), Sr. Engr., ITT Labs., Nutley 10, N.J.

- KRZYWONOS, STANLEY M. (M'58), Dev. Elec. Engr., Goodyear Aircraft Co., 1210 Massillon Rd., Akron 15, Ohio.

- Ohio.

 KRZYZANOWSKI, SERGIUS P. (A/54), Elec. Engr., Otis Elevator Co., 260 11 Ave., New York 1, N.Y.

 KSIENSKI, AHARON (S'53-M'59), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 KTISTERS, PETER J. (A/44-M'59), Owner, & Chief Engr., Tel-Rad Co., 133 Main St., Gloucester, Mass.

 KU, YU H. (SM-53), Prof., Moore School of Elec. Engrg., Univ. of Pennsylvania, Philadelphia 4, Pa.

 KUBA, RICHARD E. (A/480M'55), Asst. Dir., Research, Power Equipment Co., 2070 W. Henderson Rd., Columbus 14, Ohio.

 KUBACKY, FRITZ A. IR. (A/54) Electronics Technician
- L4, UNIO.
 KUBACKY, FRITZ A., JR. (A'56), Electronics Technician, Aerojet-Genl. Corp., 8ox 1947, Sacramento, Calif.
 KUBALA, ANTHONY M. (A'47-M'55), TV Tech. Dir., WWJ-TV The Detroit News, 630 W. Lafayette, Detroit 31, Mich.
- KUBE, HAROLD D. (A'53), Secy-Treas., Jansky & Balley, Inc., 1339 Wisconsin Ave., N.W., Washington 7, D.C. KUBELKA, WERNER (M'56), Mor., Engrg., GE S.A., Fabrica-Sao Paulo, Caixa Postal 547, Sao Paulo, 8 razil. KUBERRY, RICHARD W. (A'58-M'59), Prod. Engr., Leed & Northrub Co., 4901 Sterton Ave., Philadelphia 44, Pa. KUBERSKI, ORVILLE C. (M'58), Design Engr., U.S. Army Signal Missile Support Agency, Communications Lab., White Sands Missile Range, N.M.
- KUBIAK, THADDEUS H. (S'57-A'58), 1005 W. 3rd, Rochester, Mich. KUBICEK, GAROLD 8. (S'57-M'58), 7965 8ellaire Ave., North Hollywood, Calif.
- KUBICEK, WILLIAM G. (A'49-M'49), Prof., Dept. Physical Medicine, Univ. of Minnesota, Minneapolis 14, Minn.
- KU8IK, PAUL (S'57-A'58), 903 Bellevue PI., Seattle 2,
- Wash, KUBILINS, EDWARD T. (A'58), Sales Engr., W.8, Driver Co., 1875 McCarter Hwy., Newark 4, N.J. KUBILIUS, ALPHONSE A. (A'42-M'51), Sr. Elec. Engr., Melpar, Inc., 3000 Arington 8lvd., Falls Church, Va. KUBINA, STANLEY J. (S'52-A'53-M'58), Group Leader, Electronics Test Sect., Canadar, Ltd., 80x 6087, Montreal, P.Q., Canada.
- KUBISCHTA, PETER P. (S'58-M'59), Elec. Design Engr., McDonnell Aircraft Co., Lambert-St. Louis Municipal Airport, Box 516, St. Louis 66, Mo. KUBLIN, VINCENT J. (M'56), Chief, Electronic Parts & Assemblies Branch, U.S. Army Signal Engrg. Labs., Ft. Momouth, N.J.
- Monmouth, N. J.

 KUBO, EDWARD Y. (S'57-M'58), Assoc. Engr., Missiles
 Engr., Douglas Aircraft Co., Santa Monica, Calif.

 KUBOTA, JAMES (M'59), Engr., Bendix Aviation Corp.,
 80x 5115, Detroit 35, Mich.

 KUEE RA, ARLEN T. (S'55-M'57), Flight Test Engr.,
 Convair-Astronautics, Box 1536, Vandenberg AF8, Calif.
- KUCERA, DONALD G. (A'58), 5988 Peck St., Warren,
- MICH. KUCERA, FRANCIS M. (A'54), Engr., Remington Rand Univac, St. Paul 16, Minn. KUCERA, FRANK L. (A'32-M'47), 8ox 1304, Johannesburg, South Africa.
- NUCH, ARICA.

 KUCH, BAILIN L. (S'51-A'53-M'56), Patent Examiner,
 Div. 23, U.S. Patent Office, Dept. of Commerce, Washington 26, D.C.

 KUCHINSKY, SAUL (SM'54), Genl. Mgr., Electronic
 Tube Div., Burroughs Corp., Box 1236, Plainfield,
 N.J.
- N.J.

 KUCHLEWSKI, EDWARD C. (S'58-A'58), Avionics Technician, Grumman Aircraft Engro. Corp., Bethpage L.I., N.Y.

 KUCHLEWSKI, THEODORE R. (S'56-A'58), 114-62 Francis
 Lewis Blvd., St. Albans 11, L.I., N.Y.

 KUCK, 8URTON M. (S'43-A'44-M'53), Mem. Tech.

 Staff, Bell Tel. Labs., Whippany, N.J.

 KUCK, GEORGE P. (S'49-A'50-M'57), Dev. Engr., Servo
 Corp. of America, 20-20 Jericho Toke, New Hyde Park,
 L.I., N.Y.

- KUCK, JOHN H. (A'45-SM'52), Sr. Engr., Johns Hopkins Applied Physics Lab., Silver Spring, Md.
 KUCK, RICHARD G. (S'44-A'48-SM'54), Toll Plant Ext. Engr., The Pacific Telephone & Telegraph Co., 740 S. Olive St., Los Angeles 55, Calif.
 KUCKER, JOHN A. (M'58), Planning Engr., Western Electric Co., Marion & Vine St., Laureldale, Pa.
 KUCKLER, GERALD C. (S'58-M'59), Statistical Analyst, GE Co., St. Petersburg, Fla.
 KUCKUCK, CHARLES L. (S'57-A'58), Design Elec. Engr., Souare D Co., 4041 N. Richards St., Milwaukee, Wis.
 KUCZUN, CHESTER G. (A'47-M'55), Chief Engr., Adcole Corp., 186 Massachusetts Ave., Cambridge, Mass.
 KUDELA, ALFRED F. (A'53-M'59), Design Engr., Bur-
- Cole Corp., 186 Massachusetts Ave., Cambridge, Mass.
 KUDELA, ALFRED F. (A'53-M'59), Design Engr., Burroughs Corp., 14300 Tireman, Detroit 28, Mich,
 KUDER, MILTON L. (A'49), Electronics Scientist & Consultart, Natl. Bureau of Standards, Washington 25, D. C.
 KUDISH, HENRY (M'59), Designer Engr., Boeing Airplane
 Co., Seattle, Wash.
 KUDLICH, KARL H. (S'49-A'51-M'56), Prod. Engr.,
 Bendix Aviation Corp., York, Pa.
 KUDLICH, ROBERT A. (S'49-A'51-SM'57), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.
 KUDO, YRANCIS M. (A'47-M'55), Sr. Engr., Martin
 Co., Baltimore 3, Md.
 KUDO, YOSHITO (S'52-M'56), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 KUDD, YUTAKA (A'57), Sect. Chief, Chimada Physical
 & Chemical Industrial Co., 17 Fujimir-cho, Nakano-ku,
 Tokyo, Japan.
 KUDRNA, KENNETH L. (S'55-A'57), Staff Asst., C.G.

- Tokyo, Japan.

 KUDRNA, KENNETH L. (S'55-A'57), Staff Asst., C.G.,
 Electronics Corp., 15000 Central, Albuquerque, N.M.

 KUECKEN, JOHN A. (S'49-A'50-M'56), Project Engr.,
 Crosley Div., Avco Mfg. Corp., Evandale Plant, Cincinnati 15, Ohio.
- cinnati 15, Ohio.
 KUEFLER, PAUL M. (M'55), V.P., Genistron, Inc.,
 2301 Federal Ave., Los Angeles 64, Calif.
 KUEGLER, GEORGE K. (S'52-A'54-M'59), Systems Design
 Engr., WestInghouse Elec. Corp., Box 7425, Halethorpe
- 27, Md.
 KUEHL, WILLIAM J. (A'43-SM'54), Mgr., Communication & Navigation Engrg., GE Co., Utica, N.Y.
 KUEHLER, HAROLD R. (S'55-M'56), Project Engr., Kearfott Co., Inc., 561 McBride Ave., West Paterson, N.J.
 KUEHN, CHARLES W. (M'58), Assoc. Engr., Sperry
 GymScope Co., Great Neck, L.I., N.Y.
 KUEHN, HOWARD S. (S'47-A'48-SM'55), Supvo, Engr., Westinghouse Elec. Corp., Parker Rd., Plant, 8ox 746,
 Baltimore 3, Md.
- Baltimore 3, Md.

 KUEHN, ROBERT J. (M'56), Col., USAF, Dir., Communications & Electronics Systems, Hors., North American Air Defense Command, Ent AF8, Colorado Springs, Colo. KUEHN, RUDOLPH L. (A'47-M'53-5M'56), Aeronutronic Systems, Inc., Newport Beach, Calif.

 KUEHNE, ALBERT (A'51), Radar Instr., CAA Aeronautical Center, Box 1082, Oklahoma City 1, Okla.

 KUEHNE, WALTER (M'46-5M'53), Sr. Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

- KUERSCHNER, HELMUT A. (A'52-M'57), Project Engr., Crosley Div., Avco Mfg. Corp., 8ox 337, Santa Barbara, Calif.

- Crosley Div., Avco Mg. Corp., 8ox 337, Sarka Barbara', Calif.

 KUETHER, QUENTIN W. (M'58), Electronics Engr., CAA, Will Rogers Field, 8ox 1082, Oklahoma City, Okla.

 KUFFEL, LAMBERT A. (M'50), Federal Div., Design Engr., 17 & T. Co., Ft. Wayner, Ind.

 KUFLUK, ANDREW (M'55), Instr., Ryerson Institute of Technology, 50 Gould St., Toronto, Ont., Canada.

 KUGELMAN, FRED (M'57), Systems Engr., TAAG Designs, 55 Willoughby St., Brooklyn, N.Y.

 KUGLER, FRED (S'48-4'49-M'55), Consulting Engr., Ark Engro. Co., 431 W. Tabor Rd., Philadel phia, Pa.

 KUH, ERNEST S. (S'49-4'52-M'57), Assoc. Prof., Univ. of California, Berkeley 4, Calif.

 KUHLMAN, ENNIS A. (S'50-A'51), Lab. Engr., McDonnell Aircraft Corp., St. Louis 3, Mo.

 KUHLMAN, FRED M. (S'53-A'54-M'59), Electronics Research Engr. "A," Lockheed Missile System Div., Sunnyvale, Calif.

 KUHLMEY, E. STERLING (M'59), District Mgr., Communications Prods., Dept., GE Co., 3280 Gorham Ave., S., Minneapolis 26, Minn.

 KUHN, ALFRED S. (SM'53), Administrative Production & Procurement Consultation 25 F. 64 Ch. Mean-Vert 2011.

- municaponis 20, Minn. KUHA, ALFRED S. (SM'53), Administrative Production & Procurement Consultant, 25 E. 86 St., New York 28, N.Y. KUHA, 8 ERNARD G. (S'49-4'51-4M'55), Staff Mem., Lincoin Lab., MIT, Lexington 73, Mass. KUHA, DONALD H. (M'48), Electronics Engr., GE Co., Syracuse, N.Y.

- KUHN, DONALD H. (M'48), Electronics Engr., GE Co., Syracuse, N.Y.

 KUHN, EDWARD F. (M'58), Design Electronics Engr., Stavid Engr., Inc., U.S. Hwy. 22 Plainfield, N.J.

 KUHN, ENRY G. (SM'54), Asst. Chief Engr., Lynch Carrier Systems, Inc., 695 Bryant St., San Francisco, Calif. KUHN, JOHN J. (S'49-A'51-M'56), Secy. & Treas., Gray & Kuhn, Inc., 20 Raifroad Ave., Roslyn Heights, L.I., N.J.

 KUHN, KENNETH H. (M'58), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 KUHN, NICHOLAS J. (S'55-M'58), Dev. Engr., Hewlett-Packard Co., Inc., 275 Page Mill Rd., Palo Alto, Calif. KUHN, THOMAS G. (S'57-M'59), Jr. Engr., Collins Radlo Co., 130 HiLline Dr., Dallas, Tex.

 KUHNAPFEL, ROBERT H. (S'49-A'50-SM'57), Sr. Engr., Bendix Aviation Corp., Eatontown, N.J.

 KUHNLE, ROBERT C. (A'56), Systems Engr., Philoc Corp. G. & I Div., 4700 Wissahickon Ave., Philadelphia 32, Pa. KUHR, KENNETH F. (S'57-A'58), Sr. Techniclan, Bell & Howell, 71.00 McCornick, Lincolnwood, III.

 KUHSE, BERNARD G. (M'59), Sr. Elec. Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III.

 KUIPER, CECIL R. (M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 KUIPER, JAMES W. (S'56-M'59), Research Assoc., Navy Radio Astronomy, Univ. of Michigan, Ann Arbor, Mich.

 KUITUNEN, MATTHEW O. (S'58-M'58), Project Engr., Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N.J.

- KUKEL, JOSEPH (S'49-A'54-M'54), Chief Engr., Day-strom-Pacific Corp., 9320 Lincoln Blvd., Los Angeles 45, Calif.
- KUKLIN, HOWARD S. (A'56), Carrier, Repeater & Facsimile Technician, Western Union Telegraph Co., 14 & Farnam Sts., Omaha 2, Neb.

- KUKOWSKI, JEROME F. (S'55-M'56), Nuclear Test Engr., Westinghouse Elec. Corp., Box 2068, Idaho Falls, Idaho. KUKUK, HARLEY S. (S'56-M'59), 77 N. Lexington, St. Paul 4, Minn.
- KULAK, ALBERT J. (S'57-M'58), Test Engr., I8M, Owego,
- KULAK, ALBERT J. (S'57-M'58), Test Engr., I8M, Owego N.Y.

 KULB, BAYARD A. (S'56-M'57), Dev. Engr., AiResearch M'9. Co. of Arizona, 402 S. 36 St., Phoenix, Ariz.

 KULBA, NICHOLAS S. (S'55-M'58), Sr. Designe Elec. Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y.

 KULBERG, LESLIE E. (M'55), Guided Missile Engr., Army Rocket & Guided Missile Agency, Redstone Arsenal, Ala.

 KULESHA, KASMIER J. (A'45-M'55), Eastern Internati. Sales Mgr., Motorola Communications & Electronics, Inc., 540 Bergen Blvd., Ridgefield, N.J.

 KULES JA, GEORGE G. (A'58-SM'59), Sr. Electronics Engr., Semiconductor Prods. Div., Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Ariz.

 KULIK, HERBERT S. (S'49-A'50-M'58), Sales Engr., RMC Associates, 236 E. 75 St., New York, N.Y.

 KULIK, WINCENT A. (S'51-A'52-M'57), Sect. Head, The Daven Co., 530 W. Mt. Pleasant Ave., Livingston, N.J. KULIKOWSKI, EDWIN F. (A'36-SM'47), Branch Head, Apolications Research Div., Naval Research Lab., Washington 20, D.C.

 KULINY, ROBERT A. (A'49-M'49), Chief, Long Range

- ington 20, D.C.

 KULINYI, ROBERT A. (A'49-M'49), Chlef, Long Range
 Radio Branch, Transmission Facilities Div., Communications Dept., U.S. Army Signal Research & Development
 Lab., Ft. Monmouth, N.J.

 KULKA, EUGENE R. (M'58), Pres., Kulka Electric Corp.,
 633 S. Fulton Ave., Mount Vermon, N.Y.

 KULLBACK, IRVING (A'50-M'55), Electronics Engr.,
 U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

- U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 KULLBACK, SOLOMON (A'54-SM'58), Dir., Research & Dev., Natl. Security Agency, Ft. Meade, Md.

 KULLER, K. KARL (M'57), Engr., Alrcraft Radio Corp., Boonton, N.J.

 KULLER, LARRY (S'55-M'57), Elec. Engr., Remington Rand Univac, 2750 W. 7 St., St. Paul 16, Minn.

 KULMUS, RUDOLPH J. (M'50), Broadcast Transmitter Engr., Rome Sentinel Co., WRUN, 258 Genesee St., Utica, N.Y.

 KULOSA, ARTHUR, JR. (A'48), TV Broadcasting Maint. Engr., C85-TV, 630 N. McClurg Ct., Chicago 11, III.

 KULP, ERIC I. (S'56-M'57), 424-8 65 St., Far Rockaway 92, L.I., N.Y.

 KULP, KENNETH H. (S'56-M'57), Jr., Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 KULT, MILTON L. (S'43-A'44-M'53-SM'56), Assoc. Prof., Elec. Engrg., Univ. of Akron, Akron 4, Ohio.

 KULVIK, EINAR (SM'55), Chief Engr., Aksjeselskapet NERA, Box 4060, Pilestredet 75 C, Oslo, Norway.

 KUMAGAI, JONNA J. (S'58-M'59), Elec. Engr., Univ. of Nebraska, College of Medicine, Omaha, Neb.

 KUMAGAI, JONNA J. (S'58-M'59), Elec. Engr., Univ. of Nebraska, College of Medicine, Omaha, Neb.

 KUMAGAI, KIYOSHI (4'56), Chief, Research Sect., Oi Electric Co., 1-429 Gotanda Shinagawa-Ku, Tokyo, Osaki, Japan.

- KUMAGAI, MIŤURU (A'57), Head, Tech. Sect., Ikegami Tushinski K.K., Ikegami Communication Equi Co., 27-3 Motogi-cho, Kawasaki, Japan.
- KUMACAI, TOSHIRO (4:51-SM'56), Prof., Elec. Engrg. Dept., Ehime Univ., 1188 Shonal, Nilhama, Ehime, Japan. KUMAGAI, YASUJI (M'59), Lecturer, Tokai Univ., Yoyogi Tomlgaya 1431, Shibuya, Tokyo, Japan. KUMAR, VIRENDRA (M'56), Deputy Secy., Indian Civil Service, Ministry of Information & Broadcasting, Govt. of India, New Delhi, India.

- KUMAR, VIRENDRA (M'56), Deputy Secy., Indian Civil Service, Ministry of Information & Broadcasting, Govt. of India, New Delhi, India.

 KUMBLE, ALAN S. (M'57), Region Sales Mgr., Consumer Prods., Texas Instruments, Inc., 1141 E. Jersey St., Elizabeth, N.J.

 KUMM, ALLEN L. (M'58), Jr. Field Engr., AC Spark Plug Div., Milwaukee, Wis.

 KUMM, MILLIAM H. (M'57), Fr. Engr., Westinghouse Elec. Corp., 80x 746, Baltimore 3, Md.

 KUMM, ELSHUH, KARL J. (M'57), Engr., Westport Electric, 149 Lomita, El Segundo, Calif.

 KLMMER, OSCAR (M'51-SM'51), Mem. Tech. Staff, 8ell Tel. Labs., Murray Hill, N. J.

 KUMMER, WOLFGANG H. (S'46-A'52-M'57-SM'57), Mem. Tech. Staff, Bell Tel. Labs., Red Bank, N.J.

 KUMC, FRANK (A'29-VA'39-Ni'55), Pres., H. O. Boehme, Inc., 915 Broadway, New York 10, N.Y.

 KUNDE, PAUL J. G. (A'54), Electronics Dev. Engr., GMC, 1925 E. Kennilworth, Milwaukee 16, Wis.

 KUNDE, WALTER W., JR. (S'45-A'49-M'55), Dir., Engrg., Communications Accessories Co., Lee's Summit, Mo. KUNDEL, KEITH K. (M'57), Elec. Engr., Combat Surv., Drone Dec., Yuma Test Sta., Ariz.

 KUNDEL, TEWES (SM'54), Assoc. Prof., Elec. Engrg. Dept., Univ. of Florida, Gainesville, Fla.

 KUNDEL, TEWES (SM'54), Assoc. Prof., Elec. Engrg., Dept., Univ. of Florida, Gainesville, Fla.

 KUNDET, WARREN R. (S'54-M'59), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 KUNDROTAS, ALEXANDER P. (A'54), Project Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, Ill.

 KUNCTZ, GEORGE J. A(52-M'57), Communications Specialist, Natl. Security Agency, Ft. Meade, Md.

 KUNCKIY, GEORGE J. A(52-M'57), Communications Specialist, Natl. Security Agency, Ft. Meade, Md.

 KUNICKI, HENRY R. (S'54-M'57), Communications Specialist, Natl. Security Agency, Ft. Meade, Md.

 KUNICKI, J. GEORGE J. A(472-M'54), Project Engr., Naval Air Development Center, Johnsvillu 14, Hawati.

- KUNIK, I. JORDAN (4'47-M'54), Patent Lawyer, 521 5 Ave., New York 17, N. Y. KUNIN, LEONARD (5'56-M'58), Elec. Engr., Allen 8. Du-mont Labs., East Paterson, N. J.
- KUNIS, SOLOMON R. (M'58), Dir., Public Relations, Fisher Radio Corp., 21-21 44 Dr., Long Island City 1,

- N.Y.
 KUNYUKI, RICHARD M. (S'50-A'52-M'57), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.
 KUNKEL, BRUCE M. (M'55), V. P., Wiltec Electronics,
 Inc., 53 Water St., South Norwalk, Comn.
 KUNKEL, EDWARD A., JR. (S'50-A'52-M'57), Sr. Engr.,
 1TT Labs., Nutley 10, N. J.
 KUNKEL, WILLARD E. (A'55), Electronics Salesman,
 Graybar Electric Co., 417 Byrd, Little Rock, Ark.
 KUNKLE, ALEXANDER J. (S'55-M'59), 2nd Lt., USAF,
 6972nd Support Sqdn., Ft. Meade, Md.

- KUNNES, HERBERT W. (S'49-A'50-M'55), Elec. Engr., Kearfott Co., 1500 Main Ave., Clifton, N. J. KUNSELMAN, JOHN S. (S'57-A'58), Instrumentation Research & Dev. Technician, Convair, Ft. Worth, Tex. KUNST, ARTHUR F. (S'45-A'48-M'55), Mgr., Research & Dev., Judfers Electronics Div., Speer Carbon Co., Hoover Ave., Dußbis, Pa.

- ver Ave., DuBois, Pa.
 KUNSTADT, GEORGE H. (S'49-A'50-M'54-SM'56), Mgr.,
 Engro, Projects, RCA, Canden 2, N. J.
 KUNTZ, GEORGE L. (A'54), Tech Staff, Space Technology Labs., 5730 Arbor Vitae St., Los Angeles, Calif.
 KUNTZ, HARRY A., JR. (A'54-M'57), Fleld Engr., Western
 Electric Co., Chatham Rd., Winston-Salem, N. C.
- KUNZ, ALFRED 8. (S'53-A'55), Electronics Technician, Dev., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.

- N.Y.

 KUNZ, CARL J., JR. (S'49-A'51-M'56), Asst. Prof.,
 Rensselaer Polytechnic Institute, Troy, N.Y.

 KUNZ, GEORGE A. (S'51-A'52-M'57), Systems Specialist,
 RCA Service Co., Canden 8, N. J.

 KUNZ, KAISER S. (A'43-M'55), Asst. to Dir., Research,
 Schlumberger Well Surveying Comp., Old Quarry Rd., Ridgefield, Conn.
- TIELD, CONN.
 KUNZ, LOUIS C. (M'49), Mgr., Prod. Planning & Application, Cathode Ray Tubes, GE Co., Syracuse, N. Y.
 KUNZ, WILLIAM J., JR. (SM'47), Engra. Mgr., Aircraft
 Engine Equipment Sect., Bendix Prods. Div., Bendix Aviation Corp., South Bend, Ind.
- Engine Equipment Sect., Bendix Prods. Div., Bendix Aviation Corp., South Bend, Ind.

 KUNZE, ALLAN A. (A'47-SM'47), Sr. Scientist, Communications, Rome Air Development Center, Griffiss AFB, N. Y.

 KUNZMAN, JEROME A. (S'57-A'59), Electronics Technician, U. S. Naval Radiological Defense Lab., San Francisco Naval Shipyard, San Francisco 24, Calif.

 KUO, BENJAMIN C. I. (M'59), Asst. Prof., Elec. Engrg., Univ. of Illinois, Urbana, Ill.

 KUO, FRANKLIN F. (S'56-M'58), Asst. Prof., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn, N. Y.

 KUPER, J. B. HORNER (S'37-SM'45-F'54), Chmm., Instrumentation & Health Physics Dept., Brookhaven Natl. Lab., Upton, L. I., N. Y.

 KUPERSTEIN, MORRY S. (A'59), Electronics Technician, Sylvania Elec. Prods., Inc., Needham 94, Mass.

 KUPER, ROBERT C. (SM'54), Business Mgr., Research Labs., Hughes Aircraft Co., Culver City, Calif.

 KUPFERBERG, KENNETH M. (M'52), Dir., Research, Kepco Labs., 131-38 Sanford Ave., Flushing 55, L. I., N. Y.

 KUPILK, FRED M. (M'57), Engr.. Sylvania Microwave

- N.Y.
 KUPILIK, FRED M. (M'57), Engr., Sylvania Microwave rube Lab., Mountain vlew, Calif.
 KUPINSKY, HIRSH G. (A'56), 178 Northcliffe 8lvd., Toronto 10, Ont., Canada KUPPIN, FRANK (M'57), Mfrs. Rep., Frank Kuppin & Associates, 3885 Wales Dr., Dayton 5, Ohio.
 KUPS, EDWARD F. (A'46-SM'55), Mem. Tech. Staff, Hughes Research & Development Labs., Culver City, Calif. KURAHASH, DAVID K. (S'55-M'57), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. KURAHASH, DAVID K. C. (M'56), Capt., USAF, Chief,
- Autonetics Div., No. Amer. Aviation, Downey, Calif. KURAS, ALEXANDER C. (M'56), Capt., USAF, Chief, Elec. Design Unit, 4929 Test Sqdn. Dev., Kirland AFB, Albuquerque, N. M. KURAS, HENRY F. (A'51-M'57), Project Engr., Federal Telecommunication Labs., Nutley 10, N. J. KURATANI, KAYO K. (A'50), Supvr., Test Equipment Engrg., Hughes Aircraft Co., Box 90426, Los Angeles 45, Calif. KURCHIN, ALAN (M'57), Elec. Engr., "B," RCA, Camden, N. J.
- KURCHIN, ALAN (M'57), Elec. Engr., "B," RCA, Camden, N. J.

 KUREK, NICHOLAS B. (M'57), Engr., Tasker Instrument Corp., 3349 Cahuenga, Hollywood 28, Calif.

 KURETICH J. WILLIAM (SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 KURIGER, WILLIAM L. (S'57-M'59), Engr., Collins Radio Co., Cedar Rapids, Jowa.

 KURIHARA, YOSHITAKA (S'52-A'53), Chief, 1st Radio Propagation Unit, Radio Research Labs., Ministry of Post & Telecommunication, Koganei-Shi, Tokyo, Japan.

 KURINSKY, JOHN S. (A'50-M'56), Asst. Experimental Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.

 KURITA, MINORU (A'52), TV Tech. Sect., Radio NHK, 2-2, Uchisaiwai-Cho, Chiyoda-Ku, Tokyo, Japan.

 KURKIJAN, LOUIS H. (S'55-M'57), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 KURKU, WALTER (SM'58), Sr. Project Engr., Thompson-Ramo-Wooldridge Corp., 2196 Clarkwood Rd., Cleveland, Ohio.

 KURLAMD, JEROME J. (A'59), V. P. & Chief Engr. Illinois

- Ohio .

 KURLAND , JEROME J. (A'59), V.P. & Chief Engr., Illinois Condenser Co., 1616 N. Throop St., Chicago, Ill.

 KURLAND, JOSEPH J. (A'51), Pres., Illinois Condenser Co., 1616 N. Throop St., Chicago 22, Ill.

 KURLAND, NORMAN (S'58-M'59), Asst. Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

 KURLANSKY, SIDNEY (A'43), Owner, Sidney Kurlansky & Co., School St., Milford, Mass.

 KURLENTS, HILLAR (S'55-M'56), Engr., Canadian Marconi Co., Ltd., 2442 Trenton Ave., Montreal 16, P. Q., Canada.

- Ga. KURLINSKI, ROGER L. (S'57-A'58), Staff Asst., Sandla Corp., Sandia Base, Albuquerque, N. M. KURMA, V. R. (A'55), c/o Sri. K. V. Gopalaswamy, Reg., Andhra Var., Waltair, Visakhapatnam 3, Andhra, India.
- KURNER, CHARLES J. (S'51-A'52-M'56), Electronics Scientist, Naval Research Lab., Washington 25, D. C. KURNIK, JOHN G. (M'58), Electronics Test Engr., GE Go., Utica, N. Y.
- Co., Utica, N.Y.

 KURODA, HARUO (A'56), Vice Chief, Electronics Research, Tech. Research Lab. of Broadcasting Corp. of Japan, 361 Kinutamachi, Setagaya-Ku, Tech. Lab. of NHK. Tokvo, Jaoan.

 KUROIWA, YUTAKA (A'53), Sub-Mgr., Research Dept., Victor Co., of Japan, Ltd., 12, 3-Chome, Moriya-cho, Kanagawa-ku, Yokohama, Japan.
- Kanagawa-ku, Yokohama, Japan.
 KUROKAWA, HIROJI (4/51-M/58), Chief, Microwave Div.,
 Nippon Telegraph & Telephone Public Corp., Aoicho Akasaka Minatoku, Tokyo, Japan.
 KURRELMEYER, BERNHARD (M'36-SM'43), Prof.,
 Physics, Brooklyn College, 8edford Ave. & Ave. H,
 Brooklyn 10, N. Y.
 KURSHAN, JEROME (M'46-SM'49), Mgr., Research
 Services Lab., RCA Labs., Princeton, N. J.

- KURSS, HERBERT (S'47-A'50-M'55-SM'59), Research Assoc., Polytechnic Institute of Brooklyn, 55 Johnson St., Brooklyn 1, N.Y.

- ASSOC., Polytecinic Institute of Browlyii, 35 Johnsoid St., Brooklyi J, N. Y.

 KURTH, HAROLD H. (S'39-A'41-M'45-SM'46), Leader, Tech. Staff, RCA, Burlington, Mass.

 KURTZ, ANTHONY D. (M'57), Supvir., Applied Research, Semiconductor Div., Minneapolis-Honeywell Regulator Co., 40 Life St., Boston, Mass.

 KURTZ, DONALD P. (A'53-M'59), Project Engr., Aircraft Radio Corp., Boonton, N. J.

 KURTZ, JACQUES A. (A'32-VA'39), Secy. & Genl. Mgr., J. KurtZ, & Sons, Inc., 773 Broadway, Brooklyn 6, N.Y.

 KURTZ, JOHN A. (S'56-M'57), Engr., IBM, Poughkeepsie, N.Y.

- N. Y.

 KURTZ, LOUIS A. (S'44-A'46-M'55), Mgr., Microwave Antenna Dept., Rantec Corp., Calabasas, Callf.

 KURTZMAN, SOL P. (S'53-A'54-M'59), Project Engr., U.
 S. Govt., Dept. of Defense, Washington, D. C.

 KURYS, CHESTER J. (S'52-A'544, Applications Engr.,
 Tube Div., RCA, Harrison, N.J.

 KURZ, FRANK A. (M'56), Engr., Sperry Gyroscope
 Co., Great Neck, L. I., N. Y.

 KURZ, FRANK A. (M'56), For Great Neck, L. I., N. Y.

 KURZ, FRANK A. (M'56), For Great Neck, L. I., N. Y.

 KURZ, FRANK A. (M'56), For O. N. State St., Chicago 1, III.
- III.
 KUSH, JOHN J. (M'59), Engr., GE Co., U.S. Naval
 Sta. 117, FPO, New York, N.Y.
 KUSH, LOUIS J., JR. (A'49-M'50), Asst. Prof., Engrg.
 Research, Ordnance Research Lab., Penn State Univ.,
 University Park, Pa.
- University Park, Pa., Commission State Univ., KUSHEL, VLADIMIR (M'58), Electronics Engr., Stromberg-Carlson Co., 1600 N. Goodman St., Rochester, N. Y. KUSHNER, ALLEN M. (S'57-M'59), Engr., Times Wire & Cable Co., 358 Hall Ave., Wallingford, Conn. KUSHNER, DAVID S., (S'50-A'51-M'56), Suov., Elec. Engr., Hazeltine Electronics Corp., Little Neck 62, L.1., N. Y.
- N.Y.

 KUSHNER, E. EDWARD (A'54), TV Studio Equipment,
 WCAU-TV, City Line & Monument Rd., Philadelphia 31,
- KUSHNER, GABRIEL (M'59), Electronics Engr., U.S. Naval Special Devices Center, Port Washington, L.I., N.Y.

- N.Y.

 KUSHNER, HAROLD J. (S'54-A'56-M'59), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 KUSHNER, JOSEPH [M'57), Weight Engr., Arma, Roosevent Fletu, Garwen City, L.I., N.Y.

 KUSKO, ALEXANDER (SM'58), Pres., Alexander Kusko, Inc., 141 Main St., Cambridge, Mass.

 KUSKOWSKI, LEONARD J. (A'55), Elec, Engr., Airborne Instrument Lab., Inc., 160 Old Country Rd., Mineola, L.I., N.Y.

 KUSMA, DAUMANT (SM'55), Mgr., Operations Research, Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

 KUSNER, DAVID B. (S'50-M'56), Asst. Radiological Physicist, Univ. of Pennsylvania Hospital, 3400 Spruce St., Philadelphia 4, Pa.

 KUSNICA, RATHURA, (M'56-SM'56), Prolect Engr..
- KUSNICK, ARTHUR A. 4. (M'56-SM'56), Project Engr., IBM, Poughkeepsle, N.Y. (S'50-A'51-M'56), Consultant Engr., Lehigh Engrg. Associates, 295 Plane St., Newark 2, N.J.

- N.J.

 KUSTIN, SHELDON (M'56), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 KUSUNOKI, JUNZO (M'57, Univ. of Mercantile Marine, 8
 Etchujima-Machi, Fukagawa, Koto-Ku, Tokyo, Japan KUTA, GEORGE (SM'56), Chief Engr., Acoustica Associates, Inc., 10400 Aviation Blvd., Los Angeles, Calif.
 KUTCHER, MYRON M. (M'57), System Test Engr.,
 I8M, Kingston, N.Y.

 KUTER, JOHN J. (S'56-M'57), Engr., Plant Tests,
 Philadelphia Electric Co., Delaware Sta., Philadelphia, Pa.

 KUTNER, NORMAN H. (CAG-ALSO, MISS)

- µnia, ra.
 KUTNER, NORMAN H., (S'48-A'50-M'55), Dev. Engr.,
 Burroughs Research Center, Paoll, Pa.
 KUTRUMANES, CONSTANTINE P. (A'54), Asst. Physicist,
 Armour Research Foundation, Technology Center, Chicago
 16, III.
- KUTSCHKE, EARL F. (A'58), Fleld Engr., Lansdale Tube Co., 1100 Merchandise Mart, Chicago, Ill KUTZ, JOHN W. (S'58-M'59), 1606 15 Ave., Seattle 22, Wash.
- 22, Wash,
 KUTZ, ROBERT W. (S'56-M'58), Engr., 8endix Prods.
 Div., Missiles. 400 S. Belger St., Mishawaka, Ind.
 KUUN, AIMI (A'56), Test Engr., Poly-Scientific Corp.,
 Blacksburg, Va.
 KUWABARA, TAMEICHI (S'54-M'56), Engr., RCA, New
 Holland Pike, Lancaster, Pa.
 KUWAHARA, DENIS J. (S'53-M'58), Design Engr., Aerojet Genl. Corp., 6352 Irwindale Ave., Azusa, Calif.

- jet Genl. Corp., 0.552 Irwindale Ave., Azusa, Calif.
 KLYPER, DONALD M. (S'55-M'56), Mem. Tech. Staff,
 Bell Tel. Labs., 463 West St., New York, N. Y.
 KLYPERS, MAX W. (A'55-M'59), Field Engr., Gilfilan
 Bros., Inc., 1815 Venice Blvd., Los Angeles, Calif.
 KUZARA, STANLEY W. (S'56-M'57), Electronics Design
 Engr., Burroughs Corp., 41100 Plymouth Rd., Plymouth,
 Mich.

- Mich.
 KUZEJA, CHARLES (A'51-M'56), Research Engr., Boeing
 Airplane Co., Seattle 14, Wash.
 KUZMA, PAUL, JR. (A'50), Sr. Engr., Philco Corp., 4700
 Wissahickon Ave., Philadelphia 44, Pa.
 KUZMINSKY, IRVING (S'50-A'52-M'56), Dir., Research
 & Dev., Entron, Inc., 4902 Lawrence St., Bladensburg, Md.
 KUZMYAK, MICHAEL G. (S'50-A'51-M'56), Test Engr.,
 Arma Corp., Garden City, L. I., N. Y.
 KUZW FUMARD (A'57), 19606 Rinder, St., Detroit 34.
- KUZYK, EDWARD (A'57), 19606 Binder St., Detroit 34,
- Mich .
 KVAAS , T. ARTHUR (SM'58), Mgr., Synthesis, GE Co.,
 735 State St., Santa Barbara, Calif .
 KVARDA, JOSEPH C. (S'57-M'58), Asst. Project Engr.,
 Radio Div., Bendix Aviation Corp., Towson 4, Md .
 KVEDARAS, ALGIS P. (S'55-M'57), ITT Labs., Nutley 10,
- N.J. KVITEK, GEORGE L. (S'48-A'53), Research Assoc., Mathe-matics Dept., Univ. of Illinois, Urbana, III. KWAN, BING (A'54), Mgr., TV Engrg., Canadian Broadcast-ing Corp., 354 Jarvis St., Toronto 2, Ont., Canada.

- KWAST, VICTOR B. (A'52-M'52), Sr. Engr., Weston Instruments, 6.17 Frelinghuysen Ave., Newark 1.2, N. J. KWEI, MAN W. (M'56), Asst. Prof., Elec. Engrg., Virginia Military Institute, Lexington, Va. KWITKOWSKI, JEROME M. (A'59), Range Sta. Technician ''A', RCA Service Co., Patrick AFB, Fla.

- "A", KLA Service Lo., Patrick APE, Fla.
 KWIATKOWSKI, STANLEY W. (A'58), Asst. Sales Mgr.,
 Internatl. Electronic Research Com., 145 W. Magnolia
 Blvd., Burbank, Calii.
 KWIT, CHESTER J. (A'46), Genl. Foreman, Sylvania Home
 Electronics Div., 700 Ellicott St., Batavia, N.Y.
 KWO, T. T. (M'56), Mgr., Loew's Inc., 1540 Broadway,
 New York 36, N.Y.

- New York 36, N. Y.

 KYASHKO, WILLIAM (A'57), TV Technician, Canadian Broadcasting Corn., Vancouver, B. C., Canada.

 KYBURZ, URBAN L. (S'47-A'49-M'55), Sales Engr., Barber-Cofman Co., 1300 Rock St., Rockford, III.

 KYDD, JOHN G. (A'55), Tech. Officer, Dept. of Natl. Defence, Navy, CNTS, EEC-D, Ottawa, Ont., Canada.

 KYER, FRED E. (A'55), Lt. Col., USAF Dir., Electronics,
 DCS/M; Hurs. Air Defense Command, Ent. AFB, Colorado

 Springs, Colo.

 VYEES (JUNES (S'54-A'56), Electronics Engr., Picker,

 VIEW (JUNES (S'54-A'56), Electronics Engr., Picker,

 VI

- DCS/M; Hgrs. Air Defense Command, Ent. AFB, Colorado Springs, Colo.

 KYFES, VINCE (S'54-A'56), Electronics Engr., Picker X-Ray, 17300 Euclid Ave., Cleveland, Ohio.

 KYHL, ROBERT L. (M'58), Assoc. Prof., Elec. Engrg., MIT, Cambridge 39, Mass.

 KYI, MAUNC A. (M'58), Assoc. Radio Engr., Civil Aviation Dept., New Law Courts Bidg., Rangoon, Burma.

 KYLANDER, JOHN C. (M'58), Engr., Westinghouse Elec. Copp., Elmira, N.Y.

 KYLE, HOWARD C. (M'59), Research Engr., Natl. Aeronautics & Space Administration, Langley Field, Va.

 KYLE, JAMES W. (M'51), Chief Engr., Havens & Martin, Inc., Operators of Sta. WMBG-AM, WCOD-FM, WTVR-TV, 3301 W. Broad St., Richmond 20, Va.

 KYLE, THOMAS A. (S'55-M'58), Design Engr., The Natl. Cash Register Co., Maine & K Sts., Dayton 9, Ohio.

 KYLE, WILLIAM F., JR. (S'50-A'51-M'57), Electronics Engr., Ameex Corp., 934 Charter St., Redwood City, Calif.

 KYNE, THEODORE (A'40-M'55), Chief, Production Dev. Div. KYNE, THEODORE (A'40-M'55), Chief, Production Dev. Div., U. S. Army Signal Supply Agency, 225 S. 18 St., Phila-uelphia 3, Fa.
- uelphia 3, Fa.
 KYROPOLLOS, LEON (M'58), Elec. Engr., Western Electric
 Co., 220 Church St., New York, N.Y.
 KYROS, WILLIAM (A'58), Asst. Engr., Avco Research &
 Advance Development, Lawrence, Mass.
 KYSER, RUSSELL H. (A'49–M'54), Electronic Scientist,
 Naval Research Lab., Washington 25, D. C.

- LAAS, ILMAR E. (A'53), Contr. Engr., Otis Elevator Co., 260 11 Ave., New York 1, N.Y. LABAGH, EVERETT L. (S'49-A'50-M'55), Sr. Project Engr., Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N.J.
- LABANCA, DOMENIC L. (M'59), Electronics Engr., U.S. Army Research & Development Labs., Ft. Monmouth, N.J. LABARTHE, LAWRENCE C. (S'50-A'51-M'56), Electronics Engr., Labko Scientific, Inc., 413 E. 14, Stillwater, Okla.
- Stillwater, Okla.

 LABIN, EDOUARD (A'42-SM'46), Tech. Mgr., Societe d'Etudes et Conseils A.E.R.O., 21 Place Vendome, Paris 1, France.

 LABIN, EMILE (A'36-M'42-SM'43), Pres., Societe d'Etudes et Conseils A.E.R.O., Automation-Electronique-Recherche Operationnelle, 21 Place Vendome, Paris 1,
- France. LABITT, BERNARD H. (S'52-A'54-M'59), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass. LABITT, MELVIN (M'58), Staff Engr., MIT, Cambridge 39, Mass.
- Jy, Mass.

 LABNO, JOHN J. (A'54), Instrumentation Engrg., Supvr., Lockheed Missile Systems Div., Sunnyvale, Calif.

 LABONTE, ROBERT C. (M'57), Staff Engr., The Mitre Corp., Box 208, Lexington 73, Mass.

 LA BREE, CHARLES T. (S'52-A'55), Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore, Md.

- INDITE, MO.

 LABRIE, RAYMOND H. (A'57), Engr., Raytheon Mfg. Co., Wayland, Mass.

 LACARRA, ALFONSO A. (A'56), Chief Engr., Radio Sta. XECL, Box 1014, Calexico, Calif.

 LACARRIERE, CHRISTIAN (A'55), Mgr. Bureau d'Informations et di Liaison 52, Ave. des Champs Elysees, Paris 8, France.
- France.

 LA CASICA, NICHOLAS (A'58), 1983 N. Jerusalem Rd., East Meadow, L.I., N.Y.

 LA CAVA, EDWARD (S'55-A'56), Instrumentation Technician, Lakehurst Naval Air Sta., (NATF), Lakehurst, N.J.

 LACE, MELVIN A. (M'57), Elec. Enpr., Genl. Time Corp., 111 N. Canal St., Chicago 6 III.

 LACEY, HUBERT L. (A'55-M'57), Engrg. Chief, Special Systems Branch, Mobile GEEIA Region, Brookley AFB, Mobile, Ala.

- Mobile, Ala.

 LACEY, JAMES C, (S'57-A'58), Lead Man, Final Assembly, Bendix Aviation Corp., Teterboro, N.J.

 LACEY, MICHAEL R. (S'57-M'59), Chance-Vought Aircraft, Point Mugu, Calif.

 LACEY, NEIL F. (A'55), Engr., Picard & Burns, Highland Ave., Needham, Mass. Alacey Compared Control of the Control of the
- Cail:
 LACHER, DANIEL (\$'53-M'57), Prod. Dev. Engr., Otis
 Elevator Co., 35 Ryerson St., Brooklyn 5, N.Y.
 LACHMAN, DONALD (M'57), Field Engr., RCA Service
 Co., Camden, N.J.
 LACHOCKI, EUGENE (A'54), Radio Frequency Coil
 Dev. Engr., Gehi. Instrument Corp., 65 Gouverneur St.,
 Newark, N.J.
- Newark, N.J.

 LACK, FREDERICK R. (A'20-F'37), Retired, 176 Main St., Southport, Conn.

 LACKER, HERBERT F. (M'58), Electronics Design Engr., Army Ballistic Missile Agency, Huntsville, Ala.

 LACKEY, HARLAN B. (M'58), Electronics Engr., U.S. Naval Shipyard, Charleston Naval Base, S.C.

- LACKEY, ROBERT B. (S'54-A'55), Research Assoc., Antenna Lab., Dhio State Univ., Columbus 10, Ohio. LACKOWSKI, DONALD H. (S'55-M'56), Gunnery Officer, USN, USS Vance (Der 387), Pearl Harbor, Hawaii. LACOMBE, CARLOS G. (A'25), Dir., Sociedade Anomina Brazileira de Radio Eletridade, R., 7 de Marco 320, Rio de Janeiro, Bom Sucesso, Brazil.
- LA COSS, W. DOUGLAS (S'52-M'55), Sect. Supvr. Sandia Coro., Sandia Base, Albuquerque, N.M. LA COSTE, LUCIEN J. B. (A'53-M'58), Partner, La Coste & Romberg, 6606 N. Lamar Blvd., Austin 5,
- LACROIX, D. REAL (S'57-M'58), 801 5 Ave., Charny, P.O., Canada.
- P.Q., Canada. LACY, PETER D. (S'40-A'44-SM'56), Consultant, Hew-lett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
- LACY, RAYMOND E. (SM'46), Dir., Communications Research, U.S. Army Signal Engrg. Labs., Ft. Monmouth, N.J. LACY, ROBERT R. W. (M'52), Regional Commercial Engr., GE Co., 11840 W. Olympic Blvd., Los Angeles 64, Calif.

- Angeles 64, Calif.

 LACY, WALTER H. (A'53), V.P., Cooper Electronics inc., 5637 Tulip St., Philadelphia 24, Pa.

 LADD, ALVIN W. (S'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 LADD, EDWARD L. (A'55), Pres., United Aircraft Prods., Inc., 1116 Bolander Ave., Dayton, Ohio.

 LADD, GEORGE T. (M'59), Chief Administrative Engr., Govt. Prods. Dept., Airborne Instrument Lab., Mineola, L.I., N.Y.
- LADD, JOHN H. (M'53), Sr. Project Engr., Apparatus Research & Dev., Eastman Kodak Co., Hawk Eye Works, Rochester 4, N.Y.
- LADD, ROGERE (M'58), Engr., Anderson-Nichols & Co., 150 Causeway, Boston 14, Mass. LADEN, HYMAN N. (5'49-A'50-M'56), Chief, New Systems Dev., The Chesapeake & Ohio Railway Co., Terminal Tow-er, Cleveland 13, Ohio.

- er, Cleveland 13, Ohio.

 LADENSON, MILTON (A'54), Sr. Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 LADER, LEON J. (M'46-SM'54), Sr. Staff Consultant, Hughes Aircraft Co., Culver City, Calif.

 LA DIEU, FRANCIS A. (S'55-A'56), Lab. Supvr., Coming Glass Works, Leon, Bradford, Pa.

 LADINK, DUANE A. (S'50-A'51-M'56), Project Mgr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif.

 LADOF, LEONARD G. (S'49-A'50-M'53-SM'56), Supvr., Systems Projects, RCA, Moorestown, N.J.

 LADUE, JOHN A. (M'59), Project Engr., Specialties, Inc., Sysoset, L.I., N.Y.

 LADWIG, HARMANA. (S'50-A'52-M'56), Engr., GE
 Co., Utica, N.Y.

 LADWIG, TERENCE H. (S'58-A'59), 1013 Graves Ave.,
- LADWIG, TERENCE H. (S'58-A'59), 1013 Graves Ave., Wausau, Wis.
- LADWIG, TERENCE H. (S'58-A'59), 1013 Graves Ave., Wausau, Wis.

 LAEGREID, NILS (A'56), Sr. Scientist, Genl. Mills, Inc., Mech. Div., 2003 E. Hennepin, Minneapolis 14, Minn.

 LAESER, PHIL B. (A'41-M'44), Mgr., TV & Radio Engrg. Dept., Milwaukee Journal Radio Stas., 720 E. Capitol Dr., Milwaukee J., Wis.

 LAESTADIUS, JOHN E. (M'58), Assoc. Prof., Elec. Engrg., Univ. of Massachusetts, Amherst, Mass.

 LA FACE, DELBERT T. (S'56-M'57), Design Engr., Gilfilian Bros., Inc., Los Angeles, Calif.

 LA FERRIERE, PHILIPPE J. (A'52-M'56), Mgr., Contracts Administration, T. P., Service Det., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.

 LA FETRA, FRANK E. (S'48-A'52-M'57), Mgr., Customer

- LA FETRA, FRANK E. (S'48-A'52-M'57), Mgr., Custom Service, Pacific Automation Prods., Inc., 1000 Air Way, Glendale 1, Calif.

- Service, Pacific Automation Prods., Inc., 1000 Air Way, Glendale I, Calif.

 LA FEVRE, LELAND M., (A'47-M'57), Head Electro Acoustic Div., Chesapeake Instrument Corp., Shadyside, Md.

 LAFFERTY, JAMES M. (M'46-5M'48-F'54), Mgr., Physical Studies Sect., Research Lab., GE Co., Box 1088, Schenectady, N.Y.

 LAFFERTY, RAYMOND E. (M'51-SM'56), Sect. Supvr., The Daven Co., Rte. 10, Livingston, N.J.

 LAFFERTY, V. CLAYTON (M'56), Assoc. Elec. Engr., Amour Research Foundation, 10 W. 35, Chicago 16, III.

 LA FIANDRA, JOSEPH N. (S'56-M'59), Electronics Design Engr., Sperry Gyroscope Co., Great Neck. L.I., N.Y.

 LAFLAMME, ALBERT K. (M'56), Defence Service Scientific Officer, Canadian Armament Research & Development Est., Box 1427, Quebec, P.Q., Canada.

 LA FLEUR, WALTER (M'58), Box 141, State College, N.M.

 LA FORCE, LOUIS H., JR. (S'36-A'39-SM'45), Sr. Engrg. Specialist, Mngt. Staff, Sylvania Elec. Prods., Inc., Mountain View, Calif.

 LA FORTE, JOHN T. (A'55), Design Standards Engr., LMED,

- Mountain View, Calif.

 LA FORTE, JOHN T. (A-55), Design Standards Engr., LMED, GE Co., Utica, N.Y.

 LAGALY, GEORGE B. (S:57-M'58), 2551 S.W. 58 St., Oklahoma City 19, Okla.

 LAGASSE, SIME ON G. (A-50-SM'57), Design Specialist, Lockheed Missiles & Space Div., Surnyvale, Calif.

 LAGERSTROM, RICHARD P. (S:52-M'57), Research Assoc., Stanford Electronics Lab., Stanford Univ., Stanford, Calif. LAGGES, PETER N., JR. (S:57-M'57), Asst. Engr., Illinois Bell Tel. Co., 212 W. Washington, Chicago 6, Ill.

 LAGO, CLADWYN V. (A-147-M'53), Pof. Elect. Engf.
- Bell Tel. Co., 212 W. Washington, Chicago 6, Ill. LAGO, GLADWYN V. (A'47-M'53), Prof., Elec. Engfg., Univ. of Missouri, Columbia, Mo. LAGOMARSINI, GEORGE C. (S'50-A'51-M'53), Chief Engr., Nuclear Instruments, Telecomputing Corp., 12838 Saticoy St., North Hollywood, Calif. St., Norra Hollywood, Calir. LAGORE, JOSEPH A. (SM'52), V.P., Mfg. Govt. & Industrial Div., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44,
- Pa.

 LA GRONE, ALFRED H. (M'48-SM'51), Assoc. Prof. Elec. Engrg., The Univ. of Texas, Univ. Sta., Austin 12, Tex. LAGUE, THOMAS L. (S'57-M'57), Dynamics Engr., Convair, San Diego 12, Calif.

 LAHAMA, PETER (S'51-M'53), Pres., Lahana & Co., 1886 S. Broadway, Denver 10, Colo.

 LAHAMAS, CONSTANTINE J. (A'53-M'56-SM'57), Elec. Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.
- LAHEY, PATRICK J. (M156), Sr. Electronics Engr., Link Aviation, Inc., Nowland Rd., Binghamton, N.Y.
- LA HIFF, WILLIAM J. (M'59), 180 Van Cortlandt Park, S., New York 63, N.Y. LAHM, GEORGE P. (S'50-A'53-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

- LAHN, FREDERICK C. (A'47-M'55), Research Specialist, Boeing Airplane Co., Seattle, Wash. LAHR, NIELS L. (S'56-M'57), Assoc. Engr., Boeing Airplane Co., Box 97, Melbourne, Fla. LAHR, ROY J. (S'57-M'59), Assoc. Engr., IBM, Lexington,

- LAHR, ROY J. (5-57-m-57), Rasson Land Lahr, Roy J. (5-57-m-57), Rasson Land Lahr, Agricultus Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn.
 LAI, MING C. (5'58-M'59), Electronics Engr., Boeing Airplane Co., Box 3707, Seattle 24, Wash,
 LAIDLAW, WILLIAM R. (M'57), Project Engr., Prod. Div., GMC, 1000 Lexington Ave., Rochester 3, N. 1.

- LAIDLAW, WILLIAM R. (M¹57), Project Engr., Prods. Div., GMC, 1000 Lexington Ave., Rochester 3, N.Y.

 LAIFER, EPHRAIM (S¹56-M¹57), Electronics Engr., ITT
 Labs., Nutley 10, N.J.

 LAIGHTON, A. KENDALL (S¹50-A¹53-M¹57), Dev. Engr., Industrial Electronic Prods. Div., RCA, Camden 2, N.J.

 LAIKIN, MILTON (M¹58), Mgr., Heron Optical Co., 9117

 S. Main St., Los Angeles 3, Calif.

 LAIMING, HARRY J. (SM¹53), Mgr., Micro-Module Equipment Engrg., RCA, Camden 2, N.J.

 LAINE, EDWIN F. (SM¹59), Electronics Engr., Univ. of California Lawrence Radl atlon Lab., Livermore, Calif.

 LAINE, LERGY C. (M¹57), Frequency Allocation Officer, Hqrs., U.S. Forces Japan, APO 925, San Francisco, Calif.

 LAINE, RICHARD U. (M¹56), Elec. Engr., RCA Internati. Service Corp., Canden 8. N.J.

 LAINE, ROLAND O. (M¹57), Physical Science Administrator, Natl. Security Agency, Washington 25, D.C.

 LAINER, CERRALD (SM¹55), Pres., The Telesco Internati. Corporation, 36 W. 40 St., New York 18, N.Y.

 LAING, JOSEPH T. (S¹47-A¹48-M³55), Survy., Engr., Westinghouse Elec. Corp., Ordnance Dept., Box 1797, Baltimore, 3, Md.

 LAIRD, JOHN A., III (M¹56), Assoc. Engr., IBM, Kingston,

- LAIRD, JOHN A., III (MIS6), Assoc. Engr., IBM, Kingston,
- N.Y.

 LAIRD, ROBERT R. (S'53-M'57), Chief Engr., Rocky Mountain Broadcasters, KRTV, Box 818, Great Falls, Mont.

 LAIRMORE, WILBER J. (A'54-M'56), Sr. Design Engr.,

 Convair, Ft. Worth, Tex.

 LAISK, ELMAR (A'49-M'56), Physicist, The Univ. of New

 South Wales, Kensington, N.S. W., Australia,

 LAITNEN, LENNART K. (A'45-M'55), Engr., Delco Radio

 Div., GMC, 700 E. Firmin, Kokomo, Ind.

- Div., GMC, 700 E. Firmin, Kokomo, Ind.

 LAITINEN, WILLIAM R. (A'41-M'55), Supt. of Radio, Minneapolis Police Radio KAB324/KAMB4, 2220 Locust St., S., Minneapolis 4, Minn.

 LAITY, IRVING A., JR. (M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LAIUPPA, ANTHONY S. (S'57-M'58), Electronics Engr., Convair, San Diego, Calif.

 LAIVO, ONNIE W. (M'58), Elec. Engr., Reeves Instrument Corp., Garden City, L.I., N.Y.

 LA JOIE, ZENON A. (S'49-A'51-M'56), Engr., Planning GE Co., Box 4097, Patrick AFB, Fla.

 LAJOS, PERGOVACZ (A'59), 11 Csanady-U, Budapest 13, Hungary.

- LAKATOS, EMORY (A'28-VA'39-SM'48), Mem., Sr. Staff, The Ramo-Wooldridge Corp., 5500 El Segundo 8lvd., Hawthorne, Calif.

- Hawthome, Calif.

 LAKE, ALVIN E., JR. (A'54), Sr. Design Engr., Eastman Kodak Co., Rochester 4, N.Y.

 LAKE, GEDRGE T. (S'50-A'52-M'58), Defence Scientific Service Officer, Defence Research Board, Montreal Rd., Ottawa, Ont., Canada.

 LAKE, JOHN R. (A'53-M'57), Audio Video Systems Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 LAKE, WILLIAM H. (M'58), Advance Discharge Engr., Physics Engr., GE Co., Cleveland 12, Ohio.

 LAKEBRINK, ROBERT T. (A'53-M'55), Field Rep., O.G. M.S., Associated Aero Science Labs., Inc., 250 S. Prairie Ave., Hawthome, Calif.

 LAKER, EDWIN F. (A'30), Radio Engr., WTOP, Inc., CBS, Broadcast House, Washington 16, D.C.

 LAKER, RFD J., JR. (S'48-A'52-M'57), Elec. Engr.,
- LAKER, FRED J., JR. (S'48-A'52-M'57), Elec. Engr., U.S. Govt., Rossford Ordnance, Attn: ORDWD-TEM-EE, Toledo 1, Ohio.
- Toledo 1, Ohio.

 LAKHANPAL, DEV D. (SM'54), Mng. Dir., Murphy Radio of India, Ltd., Dr. Shirodkar Rd., Bombay 12, India.

 LAKIN, G. ALAN (M'58), Sales Rep., ITE Circuit 8reaker Co., 601 E. Erie Ave., Philadelphia, Pa.

 LAKINS, BILLY B. (S'52-A'54), Engr., Electro Instruments, 3540 Aero Ct., San Diego 11, Calif.

 LAKOWSKI, FRANK A. (M'57), Sr. Engr., The Gudeman Co., 340 W. Huron St., Chicago 10, III.

 LAKSHMANAN, TAYORATH K. (M'53), Sect. Chief, Physical Research, Weston Instruments, 614 Frelinghuysen Ave., Newark 5, N.J.

- Newark 5, N.J.

 LALA, JOSEPH J. (M'58), Assoc. Research Scientist, New York Univ., University Heights, Bronx, N.Y.

 LALANDE, BAVARD H., Jr. (A'51), Engr., Nortronics Div., Northrop Aircraft, Northrop Field, Hawthorne, Calif.

 LALANDE, ROLAND L. (A'45), Engr. Dept. WHCT Capitol Broadcasting, Inc., 555 Asylum St., Hartford, 5, Conn.

 LALIBERTE, ELOI J. (S'155-M'57), Test Engr., Hamilton Standard Div., Broadbrook, Conn.

 LALLI, VINCENT R. (M'58), Design Engr., Thompson-Ramo-Wooldridge, Inc., 7209 Platt Ave., Cleveland 4, Ohio.

 LALLY, JOSEPH P. (M'56), Research Engr., Lockheed Missiles & Space Div., Sunnyvale, Calif.

 LALLY, KENNETH P. (S'57-M'58), Design Engr., Airborne Instruments Lab., 160 Old Country Rd., Mineola, L.I., N.Y.

 LALLY, PHILIP M. (S'45-A'40-M'158), Calif.
- N.Y.

 LALLY, PHILIP M. (S'45-A'49-M'54-SM'57), Research & Dev. Engrg. Supvr., Sperry Electronic Tube Div., Sperry-Rand Corp., Gainesville, Fla.

 LALLY, ROBERT D. (S'55-M'57), Mem. Tech. Staff, RCA, Box 588, Burlington, Mass.

 LALLY, VINCENT E. (S'49-A'50-M'58), Mgr., Telemeteorology Lab., Tele-Dynamics, Inc., 5000 Parkside Ave., Philadelphia, Pa.

- Philadelphia, Pa.

 LA MANNA, RICHARD J. (A'52-M'57), Chief Engr., Electronics Div., Monroe Calculating Machine Co., Orange, N.J.

 LA MANTIA, ROBERT (M'57), Engrg. Sect. Head, Sperry Gyroscope Co., Greak Neck, L.I., N.Y.

 LAMAR, KIRBY (S'154-M'156), Maj., U.S. Army, Signal Corps, U.S. Army Signal Garrison, Ft. Monmouth, N.J.

 LAMAR, RALPH E. (A'41-M'55), Engr., Mackay Radio & Telegraph Co., Box 1025. Southhampton, L.I., N.Y.

- LA MARCA, PETER J. (\$'48-A'51-M'56), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- LA MARQUE, JAMES W. (A'24-VA'39), Genl. Communications Sales Mgr., Graybar Electric Co., 420 Lexington Ave., New York, N.Y.

- York, N.Y.

 LAMASTER, FRANCIS S. (A'58), Tech. Rep., Philoc Corp., 22 & Lehigh Ave., Philadelphia, Pa.

 LAMB, CHARLES E. (S'56-M'58), Electronics Engr., Natl. Security Agency, 3801 Nebraska Ave., N.W., Washington, D.C.

 LAMB, CONRAD C. (A'51-M'56), Instr., Marmlon Military Academy, Butterfield Rd., Aurora, III.

 LAMB, FRANCIS X. (A'36-VA'39-M'55), V.P., Engrg., Weston Instruments Div., Daystrom, Inc., 614 Frelinghuysen Ave., Newark 12, N.J.

 LAMB, HAROLD A. (S'57-A'58), Technician, Defence Research Board, Electronic Lab., Montreal Rd., Ottawa 2, Ort., Canada.

 LAMB, HAROLD M. (SM'59). Design Surger.

- LAMB, HAROLD A. (S'57-A'58), Technician, Defence Research Board, Electronic Lab., Montreal Rd., Ottawa 2, Ort., Canada.

 LAMB, HAROLD M. (SM'59), Design Supvr., Hazeltine Electronics Div., Little Neck, L.I., N.Y.

 LAMB, HENRY O. (M'58), Electronics Engr., San Antonio Air Materiel Area, Kelly AFB, San Antonio, Tex.

 LAMB, JAMES J. (A'28-SM'48-F'54), Consulting Engr., Rock Ridge Dr., South Norwalk, Conn.

 LAMB, JOHN F. (A'41-M'47), Assoc. Prof., Elec. Engrg. Deot., Univ. of Missouri, Columbia, Mo.

 LAMB, JOHN K. (SM'50), Group Leader, Group P-1, Los Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

 LAMB, RAYMOND U. (S'53-A'54-M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LAMB, ROBERT W. H. (A'55-M'55), Tech. Supvr., Radio Sta. CFCN, Calgary, Alta., Canada.

 LAMB, WILLIAM C. (S'55-M'57), Electronics Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz.

 LAMB, WILLIAM S. (SM'56), Systems Engr., Bendix Radio Div., Towson 4, Md.

 LAMBDIN, WILLIAM S. (SM'56), Principal Engr., Bendix Radio Div., Towson 4, Md.

 LAMBERT, CARL C. (S'56-M'58), Electronics Engr., Engr., LaMBERT, CARL C. (S'56-M'58), Electronics Engr., David Medford, Ore.

 LAMBERT, CARL C. (S'56-M'58), Electronics Engr., Engr., Davison 6, Ohio.

 LAMBERT, CLARENCE R. (M'53), Engr. Coordinator, Daystrom Transicoil, Worcester, Pa.

 LAMBERT, CLARENCE R. (M'53), Engr. Coordinator, Daystrom Transicoil, Worcester, Pa.

 LAMBERT, CLARENCE R. (M'53), Engr. Coordinator, Daystrom Transicoil, Worcester, Pa.

 LAMBERT, CLARENCE R. (M'53), Engr. Coordinator, Daystrom Transicoil, Worcester, Pa.

 LAMBERT, CLARENCE R. (M'53), Engr. Technician, RCA, Harrison, N.J.

 LAMBERT, CARL C. (S'56-M'58), Chief Engr., KezXXA, Bendix-Decca Navigator System, Pacific Div., Gendix Aviation Corp., Box 172, Yorktown Heights, N.Y.

 LAMBERT, JACK R. (M'52), Sr. Project Engr., Fire Control Systems, Raytheon Mig. Co., Bedford, Mass.

 LAMBERT, JACK R. (S'55-M'55), Systems Engr., Supplementation, Mig. Co., Bedford, Mass.

- Jaysteins, Raytein Mig. Co., Bedrord, Mass.
 LAMBERT, JOHN C. (S'56-A'57), Engrg. Asst., Raytheon
 Mfg. Co., Wayland, Mass.
 LAMBERT, JOHN M. (S'50-A'53-M'55), Systems Engr.,
 GE Co., Syracuse, N.Y.
 LAMBERT, JOSEPH D. (S'52-M'58), Box 90493, Los
 Angeles, 45, Calif.
 LAMBERT, JOSEPH S. (M'45), Staff Engr., Convair, Pomona,
 Calif.

- LAMBERT, JUSEPT S. (M45), Statt Engr., Convair, Pomona, Calif.

 LAMBERT, LLOYD M., JR. (S'56-M'59), Research Engr., Aeronutronic Systems, Inc., Santa Ana, Calif.

 LAMBERT, LOUIS 8. (S'50-A-53-M'59), Sr. Lab.
 Supvr., Electronics Research Lab., Columbia Univ., 632
 W. 125 St., New York, N.Y.

 LAMBERT, NORMAN E. (M'58), 67 Elgin St., Granby, P. O., Canada.

 LAMBERT, RAY (A'51-SM'56), Owner, Lambert Electronics Lab., 3736 Ledgewood Dr., Cincinnati 7, Ohio.

 LAMBERT, ROBERT D., JR. (M'45-SM'55), Consulting Radio Engr., RFD 1, Box 55, Columbia, S.C.

 LAMBERT, ROBERT F. (S'49-A'53-M'58), Assoc. Prof., Elec. Engr., Univ. of Minnesota, Minneapolis 19, Minn.

 LAMBERT, ROBERT L. (A'42-M'45-SM'52), Sect. Head, Chemical Dev. Sect., Sylvania Elec. Prods., Inc., Emporium, Pa.
- LAMBERT, ROY P. (S'50-A'51-M'56), Electronics Engr., Sandia Corp., Sandia Base, Albuquerque, N.M. LAMBERT, THEODORE G. (M159), Engr., GE Co., Richland,
- wasn.
 LAMBERT, THERON M. (A'45-M'55), Sect. Head, Trans-ducer Research, USN Electronics Lab., San Diego 52, Calif. LAMBERT, THOMAS C. (S'57-M'59), Jr. Engr., Magnawox Research Labs., 2255 Carmelina Ave., Los Angeles 64, Calif.
- LAMBERT, THORWALD A. (S'49-A'49-M'54), Sr. Microwave Engr., Raytheon Mfg. Co., Bedford, Mass.

 LAMBERT, VERNON L. (S'45-A'51-M'56), Sr. Research Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- Cincinnati 25, Ohio.

 LAMBERT, WARD E. (A'55), Systems Rep., IBM, 800 Acoma St., Denver. Col. (M'58), Sr. Antenna Engr., Sylvania Elec. Prods.. Box 205. Mountainview. Calif. LAMBIDAKIS, PAUL. G. (A'55), Electronics Engr., Rural Electrification Administration. U.S.D.A.. Washinaton. D. C. LAMBROS, JOHN G. (M'55-SM'58), Sales Engr., Raytheon Mig. Co., 5236 Santa Monica Blvd., Los Angeles 29, Calif. LAMCHA, FRED J. (A'56), Customer Engr., IBM, 5900 Hohman Ave., Hammond, Ind. LAMCHA, FRED J. (A'56), Customer Engr., Secy., Hogan Labs., Inc., 155 Perry St., New York 14, N.Y. LAMERE, BENJAMIN E. (A'55), Chief Engr., Electronics Div., Northeastern Engr., Inc., Befford St., Manchester, N.H.

- N.H.
 LAMKIN, KENNETH R. (A'57), Communications Officer in Training, USAF, Scott AFB, III.
 LAMM, CHARLES M. (S'53-A'54), Electronics Engr., FAA Washington 25, D.C.
 LAMM, JAMES L. (M'58), Applications Engr., Minneapolis-Honeywell Regulator Co., 2835 Nicollet Ave., Minneapolis 8, Minn.

- 259 -LAM-LAN

- LAMM, LAWRENCE M. (A'55), Field Service Engr., Douglas Aircraft Co., Inc., B27 Lapham St., El Segundo, Calif. LAMM, RALPH A. (SM'46), Dir. Engrq., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif. LAMMER, LEROY H. (S'55-M-185), Field Service Engr., Sperry Gyroscope Co., Great Neck, L. I., N.Y. LAMMERS, DONALD E. (M'56), Eguipment Engr., R.A.L., GE Co., 316 E. 9 St., Owensboro, Ky. LAMMEN, ONLIAM J. (M'57), Assoc. Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York, N.Y. LAMNIN, MILTON (S'51-A'53-M'58), Coli & Electronics Engr., Philoc Corp., 4700 Wissahlckon Ave., Philadelphia 44, Pa.
 LAMONT, KEITH (M'53), Dev. Engr., Research Branch, Siemens Edison Swan, Ltd., Blackheath, London, England. LA MONTAGNE, RALPH S. (M'47-SM'56), Mgr., Mkts., Missile Electronics & Controls Dept., RCA, Burlington, Mass. LAMONTE, ROBERT J. (M'59), Research Engr., Jersey Production Research Co., 1133 N. Lewis, Tiusa, Okia. LA MOREAUX, DAVID D. (A'577), Engr., Westinghouse Broadcasting Co., 815 Superior Ave., Cleveland 14. Ohio. LAMORTE, MICHAEL F. (S'49-A'53), Sr. Engr., Dev. Engrg.

- Broadcasting Co., 815 Superior Ave., Cleveland 14. Ohio.
 LAMORTE, MICHAELF. (S'49-A'53), Sr. Engr., Dev. Engr.,
 Westinghouse Elec. Corp., Youngwood, Pa.
 A MOTTE, KENNETHE. (S'54-A'49'6), Electronics Engr.,
 Convair-Astronautics, San Diego, Calif.
 LA MOTTE, LESTER D. (A'58), Tech. Engre. Liaison,
 Genl. Communication Co., 67 Beacon St., Boston, Mass.
 LAMOUREAUX, RAYMOND A., JR. (A'54), Supvg. Mech.
 Design Engr., Sprague Electric Co., North Adams, Mass.
 LAMPARD, DOUGLAS G. (M'55), Sr. Research Officer,
 Commonwealth Scientific & Industrial Research Drignalization,
 Div. of Electrotechnology, Univ. Grounds, Sydney, Australia.
 LAMPATHAKIS, KYRIAKOS E. (S'45-M'58), Engr., IBM.

- Div. of Electrotechnology, Univ. Grounds, Sydney, Australia.
 LAMPATHAKIS, KYRIAKOS E. (S'54-M'58), Engr., IBM, Endirott, N. Y.
 LAMPE, ALTMAN W. (S'51-A'52-M'56), Dev. Engr., IBM, Kingston, N. Y.
 LAMPERT, IRWIN (M'59), Engr., Polytechnic Research & Development Co., 202 Tillary St., Brooklyn 1, N. Y.
 LAMPERT, LEON (S'51-A'53-M'57), Electronic Scientist, Material Lab., New York Naval Siliyard, Brooklyn, N. Y.
 LAMPERT, NATHAN I. (A'58), Mgr., Tech. Prod. Div., Ad. Auriema, Inc., B5 Broad St., New York 4, N. Y.
 LAMPKIN, G. F. (A'26-VA'39), Pres., Lampkin Labs., Inc., RFD 1, Bradenton, Fia.
 LAMPL, M. B. (A'50), Rep., Bache & Co., Union Center Bidg., Wichita, Kan.

- LAMPL, M. B. (A'50), Rep., Bache & Co., Union Center Bldg., Wichita, Kan.

 LAMPONE, DANIEL J. (M'59), Sr. Engr., Sylvania Elec. Prods., Inc., 1100 Werhle Dr., Buffalo 21, N.Y.

 LAMSON, HORATIOW, A'15-M'27-F'33)(L), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass., Faculty Mem., Northeastern Univ., Boston, Mass.

 LA MUNYON, ROBERT II (A'59), Sales Engr., Harrison Equipment Co., Inc., 1422 San Jacinto, Houston, Tex.

 LAMY, RAYMOND H. (A'43-M'55), Tech. Supvr., Radio Sta., WEBR, Inc., 23 North St., Buffalo, N.Y.

 LAMY, RICHARD C. (S'50-A'52-M'56), Project Engr., IBM, Poughkeepsie, N.Y.

 LANACAN, JOHN G. (A'56), Electronic Scientist, USN, Air Development Center, Johnsville, Pa.

 LANCASTER, RICHARD G. (S'51-A'53-M'56), Test Engr., Bendix Systems Div., Ann Arbor, Mich.

 LANCASTER, THEODOREW. (A'59), Sta. Supvr., Federal Electric Corp., Box 7-153, Anchorage, Alaska.

 LANCASTER, WILLLIAMW. (S'51-A'54), Engr., Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.

 LANCE, ALGIE L. (M'57), Standards Engr., Microwave, Hughes Aircraft Co., Culver City, Calli.

 LANCE, HARVEY W. (M'47-SM'56), Field & Dev. Engr., Western Electric Co., at Bell Tel., Labs., Whippany, N.J.

 LANCIAN, DANIEL A. (A'48-M'55-SM'56), Tech., Coordinator, Microway Associates, Inc., 8u(1)Intoton, Mass.

- Electric Co., at Bell lel. Labs., Jwinppany, N.J.
 LANCIANI, DANIEL A. (4'4B-M'55-SM'58), Tech. Coordinator,
 Microwave Associates, Inc., Burlington, Mass.
 LANCIONI, PETER (S'65-M'57), Fonr., Melpar, Inc.,
 30D0 Arlington Bivd., Falls Church, Va.
 LAND, DAVID W. (S'49-A'50-M'55), 724 Gates St.,
 West Chicago, III.

- West Chicago, III.

 LAND, HELEN R. (M*56), Jr. Engr., Raytheon Mfg. Co.,
 Bedford, Mass.

 LANDAHL, CHARLES E. (M*56), Staff Mem., Scientific
 Lab., Univ. of California, Los Alamos, N. M.

 LANDALL, LEONARD B. (M*57), Systems Engr., Raytheon
 Mfg. Co., Wayland, Mass.

 LANDAU, ELIAS (S'55-A'57), Engrq. Aide, Hazeltine
 Electronics Com., Little Neck 62, L. I., N. Y.

 LANDAU, ROBERT M. (M*59), Llaison Engr., U.S. Army
 Scientific Liaison & Advisory Group, The Pentagon, Wash
 ington, D.C.

 LANDAUER, ARTHUR (A'54), Project Leader, Republic
- Inguin, D.C.

 LANDAUER, ARTHUR (A'54), Project Leader, Republic
 Aviation Corn., Farmingdale, L. I., N. Y.

 LANDAUER, WALTER E. (S'46-A'49-M'55-SM'56),
 Group Leader, Airborne Instrument Lab., Mineola, L. I.,
 N. Y.
- N. T.

 LANDAUER, WALTER I. (M'56), Asst. Instr., Moore
 School of Elec. Engrg., Univ. of Pennsylvania, 338 Walnut, Philadelphia, Pa.
- LANDBERG, ARTHUR (S'49-A'51-M'56), Prod. Engr., Signal Equipment Support Agency, Coles Area, Ft. Monmouth, N. J.

- N. J.

 LANDE, ALFRED J. (S'52-A'53-M'5B), Electronics Engr., Burroughs Corp., 1209 Vine St., Philadelphia 44, Pa.

 LANDECK, JOHN H. (A'42-M'49), Exec. Engr., Admiral Corp., 3B00 W. Cortland St., Chicago 47, Ill.

 LANDECK, O.LOF (A'57), Production Mgr., Beckman Instruments Inc., 2200 Wright Ave., Richmond, Calif.

 LANDELLS, J. H. (A'41), Sales Engr., Arwel Electric, Inc., 1485 Bayshore Blvd., San Francisco, Calif.

 LANDER, FRANK (S'52-A'53), Prod. Engr., Remco Industries, Inc., 113 N. 13 St., Newark, N. J.

 LANDER, ROBERT F. (A'54), Public Relations, Electronic Engrg., Co. of California, 1601 E. Chestnut Ave., Santa Ana, Calif.

 LANDER, JOHN J. (A'53-M'58), Mgr., Engr., Administra-

- Auia, Canf.

 LANDERS, JOHN J. (A'53-M'58), Mgr., Engr., Administration & Personnel Dev., Naval Ordnance Dept., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 LANDERS, THOMAS P. (S'47-A'48-M'55), Treas. & Mgr., Del Padre Supply of Hartford, Inc., 88 Flower St., Hartford, Conn.

- LANDES, HUGH S. (S'53-M'57), Asst. Prof., Elec. Engrg., Univ. of Virginia, Charlottesville, Va.

 LANDESBERG, MELVIN M. (S'57-M'5B), Test Methods Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 LANDESMAN, SERGID O. (M'56), Head, Research Lab., Microlambda S. P. A., Fusaro, Napoli, Italy.

 LANDFEAR, GEORGE F. (A'59), Owner, Landfear Enterprises, 165 Franklin Ave., Nutley 10, N. J.

 LANDFRIED, HAROLD H. (A'59-M'55), Sr. Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LANDGREBE, DAVE (S'54-M'57), Instr., Elec. Engrg., Purdue Univ., Lafayette, Ind.
- Purdue Univ., Lafayette, Ind.

 LANDIS, CHARLES G. (A'47-M'55), Test Engr., Safe Harbor Water Power Corp., Conestoga 2, Pa.

 LANDIS, JAMES C. (M'57), Group Leader, Radar & TV Systems, American Bosch Arma Corp., Garden City, L.1., N.Y.

 LANDIS, JAY V. (SM'55), Group Mgr., Component Design, RCA, Camden, N.J.

 LANDIS, PAUL E. (A'44-SM'53), Lab. Chief, Diamond Drdnance Fuze Labs., Washington 25, D.C.

 LANDIS, VERNON, JR. (M'54), V.P. & Genl. Mgr., Tamar Electronics, Inc., 1BO5 Colorado Ave., Santa Monica, Calif.

- Calif.

 LANDMAN, RICHARD M. (A'55), Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 LANDDN, ROBERT B. (S'55-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 LANDON, VERNON D. (A'27-M'29-SM'43-F'51), Project Mgr., Astro Electronic Prod. Div., RCA, Princeton, N. J. LANDOW, IRWIN S. (A'53-M'58), Engr., Raytheon Mfg. Co., Maynard, Mass.

 LANDEMAN GENGER R. (A'54), Electronics Engr.
- Maynard, Mass.

 LANDREMAN, GEORGE R. (A'54), Electronics Engr., Wright Air Development Center, Wright-Patterson AF B, Dhio.

 LANDREY, LEO R. (SM'49), Reliability Coordinator, Burroughs Corp. Research Center, Paoli, Pa.

 LANDRY, ALFRED E. (M'57), Equipment Systems Engr., GE Co., Lakeside St., Burlington, Vt.

 LANDRY, ARTHUR P. (A'55), Jr. Engr., Southern Bell Tel. & Telegraph Co., 33DO Gravier, New Orleans 19, La.

- La.

 LANDRY, EDMOND P. (A'53), Radio Engr., WDAE, Tampa Times Co., Tampa, Fia.

 LANDRY, LDUIS H. (A'36-VA'39), Tech. Writer, Raytheon Mfg. Co., Lowell, Mass.

 LANDRY, NORMAN R. (M'57), Jr. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 LANDRY, SANFORD G. (S'56-M'57), Field Engr., Hughes Aircraft Co., Culver City, Callif.

 LANDRY, WALTER J. (SM'57), Mgr., Quality Control, Electronics Communications, Inc., Maritime Base, St. Petersburg, Fla.

 ANDSMAN, DDNALD L. (A'56), Sect. Head, Sperry Gyrge.

- burg, Fla.

 LANDSMAN, DDNALD I. (A'56), Sect. Head, Sperry Gyroscope, Great Neck, L. I., N. Y.

 LANDSTEIN, MELROY (A'5B), 1418 President St.,
 Brooklyn 13, N. Y.

 LANDWALD, ARTHUR (M'57), Electronics Lab. Supvr.,
 Radioplane Div., Northrop Aircraft Inc., BOOO Woodley
 Ave., Van Nuys, Calif.

 LANDWEHR, GEORG O. (M'58), Research Engr., Army
 Ballistic Missile Agency, Redstone Arsenal, Ala.

 LANDWERSIEK, JOSEPH E. (S'57-A'58), Sr. Lab. Technician, Safe Flight Instrument Corp., 4 Water St., White
 Plains, N. Y.

 ANDVSHEV ALEXANDER (S'55-A'55-M'56-SM'57).
- Plains, N.Y.

 LANDYSHEV, ALEXANDER (S'55-A'55-M'56-SM'57),
 Instr., Elec. Engrg., California State Polytechnic College,
 San Luis Obispo, Calif.

 LANE, ALAN B. (M'57), V. P., Operations, Skiatron Internatl. & Skiatron Television Corp., 425 Park Ave., New
 York, N.Y.
- LANE, AMOR L. (A'49-M'55), Head, Special Systems Sect., Technitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.

- Philadelphia 34, Pa.

 LANE, C. ROBERT (M'52-SM'53), Sales Mgr., Andrew Corp., 363 E. 75 St., Chicago, III.

 LANE, C. HARLES A. (4'3-M'49), Field Engr., GE Co., HMED, Syracuse, N. Y.

 LANE, C. LAUDE A. (4'50-M'55), Mem. Tech. Staff, Space Technology Labs., Inc., Los Angeles 45, Calif.

 LANE, F.REDERIC A. (4'21-VA'39-M'55), Deputy Chief Engr., American Electric Power Service Corp., 30 Church St., New York 7, N. Y.

 LANE H.ADRY (A'80), 423 March Co., 100 Missing Processing Processin LANE, HARRY (A'59), 421 Manono St., Kailua,
- LANE, HARRY R. (M'57), Processing Engr., Radio Valve Co., Ltd., 183 Dufferin St., Toronto, Ont., Canada.
- LANE, HOWARD K. (A'57), Specification Engr., Airpax Electronics, Inc., Ft. Lauderdale, Fla.

- Electronics, Inc., Ft., Lauderdale, Fla,
 LANE, J., FRANK (S'48-A'50-M'55), Sect. Mgr., Raytheon Mfg. Co., Maynard; Mass.
 LANE, JAMES H. (S'57-M'59), Engrg. Writer, Boeing
 Airplane Co., Eglin AFB, Fla.
 LANE, JOHN F. (S'57-M'59), Field Engr., Philoo
 Corp., c/o W. S., Aradsch, Ft. Bliss, Tex.
 LANE, JOHN H. (S'49-A'50-M'55), Assoc. Dev. Engr.,
 Burroughs Corp., Research Center, Paoli, Pa.
 LANE, JOHN P. (A'50), Field Engr., Philoo Corp., 22 St.
 & Lehigh Ave., Philadelphia 32, Pa.
 LANE, JOHN R. (A'55), Electronics Engr., GE Co.,
 HMED, Syracuse, N. Y.
 LANE, JOHN W. (A'53), TV & Radio Buyer, Western Auto
- HMED, Syracuse, N. Y.

 LANE, JOHN W. (A+53), TV & Radio Buyer, Western Auto
 Supply Co., 2107 Grand Ave., Kansas City, Mo.

 LANE, JOSEPH J, (S+54-A+55), Principal Dynamics Engr.,
 Republic Aviation Corp., Famingdale, J. I., N. Y.

 LANE, LEON M. (M+56) Project Engr., RCA, Missile
 Tech. Operations, 8ox A, White Sands Proving Grounds,
 N. M.
- N. M.

 LANE, LEONARD O., JR. (A'52-M'57), Chmn., Instrumentation, Research Office, CDEC, Stanford Research Institute, Menio Park, Calif.

 ANE, MARK E. (S'57-A'58), Research & Dev. Lab., Instrumentation Mechanic. Convair, Ft. Worth, Tex.

 LANE, RICHARD F. (S'36-A'37-VA'39-SM'51), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 LANE, RICHARD N. (SM'56), Research Physicist, Asst. Dir., Defense Research Lab., Univ. of Texas, Austin, Tex.

 LANE, ROBERT G. (M'56). Research Foor, Resign Air.

- LANE, ROBERT G. (M'56), Research Engr., Boeing Air-plane Co., Renton, Wash.

- LANE, SAMUEL D. (S'58-M'59), Analytical Engr., Lear, Inc., 3171 S. Bundy, Los Angeles, Calif. LANE, THOMAS B., JR. (A'53-M'58), Electronics Engr., Dept. of Defense, Washington 25, D.C. LANE, WILLIAM M. (M'5B), Elec. Engr., ITT Labs. Nutley 10, N.J.

- Nutley 10, N. J.

 LANFAIR, BILLIE B. (M'58), Electronics Engr., USAF, AFMDC, Holloman AFB, N. M.

 LANFORD, HDRACE W., JR. (SM 54), Col., USAF, Dir., Electronics Production Resources Agency, Dept. of Defense, Washington 25, D.C.

 LANFORD, LUKE D. (A'55), Asst. Supt., Ades System Testing Western Electric Co., 220 Church St., New York, N. Y.

 LANFORD, WILLIAM E. (A'47-M'54), Elec. Engr., Western Electric Co., Lexington Rd., Winston-Salem, N. C.

 LANG, ARNOLD H. (A'57), Electronics Engr., ITT Labs., Nutley 10, N. J.
- LANG, ARNOLD H. (A'57), Electronics Engr., ITT Labs., Nutley 10, N. J.

 LANG, CARL T. (S'57-M'59), Elec, Design Engr., AerojetGenl, Corp., Box 1947, Sacramento 19, Calif.

 LANG, CHARLES W. (A'52-M'57), Synchro & Resolver
 Unit Head, Kearfott Co., inc., Main Ave., Clifton, N. J.

 LANG, DAVID W. (A'56), Sales Engr., Applied
 Science Corp., oir Princeton, 13551, Caprito Rd., Van
 Nuvs, Calif.
- LANG, EDWARD T. (A'45-M'55), Electronics Engr., FCC, Ben Franklin Post Office Bidg., Washington, D. C. LANG, EWALD E. (M'58), Engr., Martin Co., Orlando,
- LANG, G. WILLIAM (A'37-VA'39-M'56), Asst. Dir., Engrg., WGN, Inc., 435 N. Michigan Ave., Chicago 11,
- LANG, GORDON R. (S'46-A'50-M'55), Research Engr. Ferranti Electric, Ltd., Mt. Dennis, Toronto 15, Ont.,
- LANG, GUIDO J. (M'51), Research Engr., Elcalor, Ltd., Bleichmattstrasse, Aarau 1, Switzerland. LANG, HAROLD J. (A'46-M'55), Staff Mem., Univ. of California, Los Alamos, N. M.
- California, Los Alamos, N. M.

 LANG, HAROI D M. (A'51), Chief Engr., Slomund Cohn Corp., 121 S. Columbia Ave., Mt. Vernon, N.Y.

 LANG, HARRY J. (S'4B-A'49-M'51), Sales Mgr., Boonton Radio Corp., Boonton, N.J.

 LANG, J. MILTON (A'47-M'55), Genl. Mgr., Broadcasting Operations, GE Co., Schenectady, N. Y.

 LANG, J.MMES A. (A'58), 1435 Willington Ave., Pasadena, Calif.

 LANG, J.OSEPH G. (A'38-VA'20)

- dena, Calif.

 LANG, JOSEPH G. (A'38-VA'39), Supvr., Mackay Radio & Telegraph Co., Box 440, Brentwood, L.I., N.Y.

 LANG, KENNETH T. (S'51-A'53-M'57), Research Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 LANG, LESTER M. (SM'53), Dir., Avionics Div., U.S. Army Signal Research & Development Lab., F. Monmouth, N.J.
- LANG, LOUIS B. (A'55), Engrg. Designer, City of Miami, Dept. of Engrg., 3332 Pan American Dr., Miami 33, Fla.
- LANG, PAUL A. (M'58), Mem. Tech. Staff, Space Technology Labs., Box 90444, Airport Sta., Los Angeles 45,

- LANGU, PAUL A. (M'58), Mem. Tech. Staff, Space Technology Labs., Box 90444, Airport Sta., Los Angeles 45, Calif.

 LANG, ROBERT H. (S'56-A'58), Electronics Specialist, CAA, Municipal Airport, Columbia, Mo.

 LANG, ROBERT M. (A'54), Designer, Sylvania Elec.
 Prods., Inc., B3-30 Kew Gardens Rd., 15, L.I., N.Y.

 LANG, ROY B., JR. (M'56), Research Specialist, Lockneed Missile Div., Palo Alto, Calif.

 LANGAN, JOSEPH C. (A'58), Electronics Technician,
 Hughes Aircraft Co., Culver City, Calif.

 LANGBRG, EDWIN (S'50-A'54-M'55), Pres., Elcon Lab.,
 266 Harvard St., Cambridge 39, Mass.

 LANGDON, DAVID H. (S'55-M'56), Sr. Test Engr.,
 Electronics Dept., Hamilton Standard Div., United Aircraft Corp., Broadbrook, Conn.

 LANGDON, JOHN G. (A'49-M'55), Fr. Fign., Nortronics
 Div., Northrop Aircraft, Inc., Hawthome, Calif.

 LANGE, GRAY E. (S'50-A'55-M'57), Pres. Engr., Nortronics
 Div., Northrop Aircraft, Inc., Hawthome, Calif.

 LANGE, JOHN R. (S'50-A'55-M'57), Pre. Engr., Motoroia, Inc., 1400 N. Cicero Ave., Chicago, III.

 LANGE, WILLIAM W. (A'39-M'57), Pre. Engr., Motoroia, Inc., 1400 N. Cicero Ave., Chicago, III.

 LANGE, WILLIAM W. (A'39-M'57), Pre. Engr., Eureka
 X-Ray Tube Corp., 3520 N. Kilpatrick St., Chicago 41,
 III.

 LANGECKER, HORST G. F., (A'58), Test Engr., Stoddata Aircraft Davis Corp., St. (A'54), Test Engr., Stoddata Aircraft Davis Corp., St. (A'50-A'55), Test Engr., Stoddata Aircraft Davis Corp., St. (A'58), Test Engr., Stod-
- LANGECKER, HORST G. F. (A'58), Test Engr., Stod-dart Aircraft Radio Co., 6636 Santa Monica Blvd., Hollywood 3B, Calif.
- LANGELIER, GERARD P. (A'54), Electronics Engr., Air Defense Systems Integration Div., Air Research & Devel-opment Command, Hanscom Field, Bedford, Mass. LANGELO, VINCENT A. (A'54), Design Engr., RCA,
- Moorestown, N. J.

 LANGENEGGER, PETER B. (A'59), Dangelstrasse 4,
 Zuerich 2-38, Switzerland.
- Zuerich 2-38, Switzerland.

 LANGER, GEORGE O. (M¹57), Engr., Applied Science
 Corp. of Princeton, Box 44, Princeton, N.J.

 LANGER, PETER L. (A¹52-M¹57), District Service Mgr.,
 Sylvania Elec. Prods., Inc., 700 Ellicott St., Batavia,
 N.Y.
- INT.

 LANGERMAN, HOWARD (A'52), Technician & Purch. Agent, Sigmund Cohn Corp., 121 S. Columbus, Mt. Vernon, N.Y.

 LANGEVIN, ROBERT Z. (S'46-A'47-M'53), Electronics
 Engr., Ampex Corp., 934 Charter St., Redwood City,
 Calif.
- LANGFORD, JOSEPH W., JR. (A'43-M'55), Prof., Elec. Engrg. Dept., Univ. of Massachusetts, Amherst, Mass. LANGFORD, ROBERT C. (M'54-SM'55), Chief Engr., Weston Instruments, 614 Frelinghuysen Ave., Newark 12, N.J.
- LANGFORD-SMITH, F. (M'36-SM'43), In-Chg. of Tech. Publications, English Electric Valve Co., Ltd., Chelms-ford, Essex, England.
- ford, Essex, England.
 LANGGAARD, ERIK (A'46-M'56), Communication Engr., Natl. Civil Defense Corps, Smedevang, Glostrup, Denmark.
 LANGGUTH, PAUL O. (SM'55), Tech. Assistance Expert, U.N. Educational, Scientific & Cultural Organization, Indian Institute of Technology, Dr. Annie Besant Rd., Worli, Bom-

bay 18, India.

- LANGILLE, ROBERT C. (A'54-SM'57), Defence Scientific Service Officer, Defence Research Telecommunication Est., Ottawa, Jort., Canada.

 LANGLEY, HOWARD M. (S'57-M'59), Engr., Sarkes Tarzian & Co., E. Hillside Dr., Bloomington, Ind.

 LANGLEY, LAWRENCE W. (M'5B), 902 Cedardale Dr., Houston 24, Tex.

- Houston 24, Tex.

 LANGLEY, RALPH H. (A'12-M'16-F'29)(L), Retired, 1B Prescott Ave., Bronxville, N.Y.

 LANGLIE, LEDNARD O. (S'50-A'51-M'5B), Dev. Engr., Control Corp., 71B Central Ave., Minneapolis 14, Minn.

 LANGLOIS, CLAUDE M. (S'57-M'57), Electronics Engr., Shawinigan Water & Power Co., Dorchester, Montreal, P.Q., Canada.
- LANGMACK, CECIL E. (M'57), Sr. Engr., Electronic Com-munications, Inc., 1501 72 St., N., St. Petersburg, Fla. LANGMUIR, DAVID B. (A'3B-M'40-SM'43), Dir., Research Lab., Ramo-Wooldridge Corp., B433 Fallbrook Ave., Canoga Park, Calif.
- LANGMUIR, DEAN B. (A'5B), Engrg. Asst., Sanborn Co., 175 Wyman St., Waltham 54, Mass. LANGMUIR, ROBERT V. (M'57), Prof., Elec. Engrg., California Institute of Technology, Pasadena, Calif.
- LANGPAUL, ERNEST A. (M'5B), Electronics Instrument Supvr., Lorac Service Corp., 251B Times Blvd., Houston, Tex.
- LANGSTAFF, ROBERT H. (M'44), Project Engr., Halli-crafters Co., 4401 W. 5, Chicago 24, III. LANGSTON, CLARENCE A. (A'56-M'57), Asst. in Re-search, Elec. Engrg. Dept., Univ. of Florida, Galnesville,

- LANIER, WESLEY T. (S'55-A'56), Electronics Technician, Bendix Aviation, Kansas City, Mo. LANING, WILLARD A. (M'44), Chief Engr., Transformer Engrg., Bendix Radio Div., E. Joppa Rd., Baltimore 4, Md.

- Md.

 LANK, GERALD W. (S'54-M'56), Engr., Canadair, Ltd.,
 St. Laurent, P.Q., Canada.

 LANKES, L. RICHARD (SM'52), Sr. Project Engr., Eastman Kodak Co., 333 State St., Rochester 4, N.Y.

 LANKFORD, ILOR C., JR. (S'53-A'55), Technician, Elec.
 Engr. Dept., Texas Technological College, Lubbock, Tex. LANKFORD, NORRIS B. (S'57-M'59), Joppa Rd., Brook-landville, Md.
- LANMAN, THEODORE W. (A'53), Owner, The Lanman Co., 10 Ardlock Pl., Webster, Mass. LANNAN, PATRICK E. (SM'54), V.P., Research Div., Designers For Industry, Inc., 4241 Fulton Pkwy., Cleveland 9, Ohio.
- LANNARY, JOHN (A'50-M'5B), Sr. Engr., Nuclear Control Curtiss-Wright Corp., 631 Central Ave., Carlstadt,

- trol Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.
 LANNING, HAROLD E. (S'51-A'53-M'5B), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N.J.
 LANNING, WALTER C. (M'53-SM'5B), Sr. Project Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 LANNUTI, ANTHONY P. (S'56-M'57), Asst. Dev. Engr.,
 Burroughs Corp., Central Ave., Paoli, Pa.
 LANSDOWN, WILLIAMD P. (S'49-A'52-M'57), Instr., Elec.
 Engrg. Dept., Univ. of Kansas, Lawrence, Kan.
 LANSING, JACK C., JR. (M'5B), Research Engr., Santa
 Barbara Research Center, Airport, Goleta, Callíf.
 LANSINGER, JOHN M. (M'5B), Sr. Engr., Philoc Corp.,
 B06 Chesthut, Redwood City, Callíf.
 LANTOR, IRVING (M'59), Research Engr., Boeing Airplane Co., Seattle, Wash.
 LANTZ, PAUL A. (A'48-SM'54), Electronic Scientist, USN
 Research Lab., Washington 20, D.C.
 LANTZER, FLOYD N. (A'42-M'44), Chief Transmitter
 Engr., The Crosley Broadcasting Corp., 140 W. 9 St.,
 Clincinnati 2, Ohio.
 LANTZY, WILLIAM E. (A'53), Jr. Design Engr., Sylvania
 Elec., Prods., Inc., Emporium, Pa.
 LANZARA, EDWARD M. (M'57), Elec. Engr., GE Co.,
- LANZARA, EDWARD M. (M'57), Elec. Engr., GE Co., Utica, N.Y.
- Uttca, N.Y.
 LANZINGER, DONALD J. (A'52-M'57), Sr. Electronics
 Engr., Convair, Pomona, Calif.

 LANZISERO, NICHOLAS T. (S'49-A'50-M'5B), Project
 Engr., Bulova Research & Development Labs., 62-10
 Woodside Ave., Woodside 77, L.I., N.Y.

- Woodside Ave., Woodside 77, L.I., N.Y.
 LANZKRON, ROLF W. (S'55-M'57), Systems Analysis,
 Martin Co., Orlando, Fla.
 LANZO, FRANK J. (A'59), Technician, Sylvania Elec.
 Prods., Inc., Batavia, N.Y.
 LAPATINE, SOL ISM'56), Project Engr., Loral Electronics,
 B25 Bronx River Ave., New York 72, N.Y.
 LAPENNA, FRANK W. (A'49), Instr., Hudson Valley
 Technical Institute, Broadway & Ave., Troy, N.Y.
 LAPENSON, SAMUEL (M'57), Staff Asst., Promotions,
 Applied Science Corp. of Princeton, Box 44, Princeton,
 N.J.

 APPERIERE IACQUES I. (M'57), Chief of Electronics
- LAPERRIERE, JACQUES J. (M'57), Chief of Electronics Dept., Trois-Rivieres Institute of Technology, 464 St. Francois-Xavier St., Trois Rivieres, P.Q., Canada.

- LAPHAM, CHARLES J. (A'59), Asst. Project Engr., Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J. LAPHAM, EVAN G. (A'31-5M'47), Supvr., Reference Standards Labs., Avco Research & Advanced Dev. Div., 201 Lowell St., Wilmington, Mass.
- LAPHAM, FRED K., JR. (A'57), Chief Engr., Allen Communications, Inc., 1845 Broadway, New York 23, N.Y. LAPHAM, DLIN J. (S'56-M'5B), 1043 4 St., Santa Monica, Calif.

- Monica, Calif.
 LAPIDOS, RICHARD W. (A'4B-M'55), Engr., RCA Defense Electronics Prods., Moorestown, N.J.
 LAPIDUS, HOWARD J. (A'5B), Systems Engr., Sperry Gvroscope Co., Great Neck, L.I., N.Y.
 LA PIERRE, ALBERT F. (SM'5B), 1500 Roosevelt Ave., Alamogordo, N.M.
 LA PIERRE, VALMORE M. (A'41-M'44-SM'4B), Mono. Dir., V. M. LaPiere & Cia. S.A., Los Alamos 375, San Isidro, Lima, Peru.
- San Isloro, Lima, Peru.
 LAPIN, STANLEY P. (S'45-A'4B-M'54-SM'55), Mkt.
 Dev. Mgr., Microwave & Industrial Control Dept., Motorola, Inc., 1400 N. Cicero Ave., Chicago 51, Ill.
 LAPINSKI, CHARLES S. (S'3B-A'41), Electronics Engr.,
 Perkin-Elmer Corp., Norwalk, Conn.
 LA PLACA, ALBERT P. (A'57), 160-64 27 Ave., Flushing 5B, L. I., N.Y.
- ing 5B, L.I., N.Y.

 LA PLANT, OLIVER (M'50-SM'57), Research Specialist,
 Lockheed Aircraft Corp., 2555 Hollywood Way, Burbank,
- LA PLANT, WILLIAM P. (A'52), Engr., ITT Labs., Nutley 10, N.J.

- ley 10, N.J.

 LA PLANTE, ROGER A. (A'52-M'56), Sect. Head, Dev.
 Engrg., Amperex Electronics, 230 Duffy Ave., Hicksville,
 L.I., N.Y.

 LA POINTE, J. CLAUDE (S'4B-A'51-M'54-SM'56), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.
 LAPORT, EDMUND A. (A'25-M'27-SM'43-F'53), Dir.,
 Communication Engrg., RCA, Princeton, N.J.
 LA PORTE, BERNARD E. (S'5B-M'59), Electronics Engr.,
 Pearl Harbor Naval Shipyard, FPO 12B, San Francisco,
 Calif. Peari Calif
- Calif.

 LA PORTE, GEORGE L. (M'54), Prod. Engr., Relay Engrg., IBM, Essex Junction, Vt.

 LAPORTE, J. MURILLO (A'34-M'46), Supvr., Enorg. Services, Internatl. Service, Canadian Broadcasting Corp., 1425 Dochester St., Montreal, P.Q., Canada.

 LA PORTE, ROBERT J. (S'56-M'5B), Electronics Systems Engr., Marquardt Aircraft Co., 2709 N. Garey Ave., Pomona, Calif.
- LAPOSTOLLE, PIERRE M. (SM'51), Ingenieur, Organisa-tion Europeon pour la Recherche Nucleaire, Geneva 23, tion Europee Switzerland.
- LAPP, DOUGLAS N. (SM'5B), V.P. & Genl. Mgr., Com-munications Div., Tele-Dynamics, Inc., 5000 Parkside Ave., Philadelphia 31, Pa.

- Ave., Philadelphia 31, Pa.

 Ave., Philadelphia 31, Pa.

 LAPP, RUDOLPH.S. (A'35-VA'39-M'55), Elec. Engr.,

 Lapp Insulator Co., Inc., LeRoy, N.Y.

 LAPP, SUMMER P. (A'55), Mgr., Radio Specialties

 Div., Lapp Insulator Co., Inc., LeRoy, N.Y.

 LAPPI, URHO T. (S'53-A'54), Dev. Engr., Western

 Electric Co., Co Bell Tel. Labs., Whippany, N.J.,

 LAPPIN, DAVID (S'4B-A'53-M'5B), Supvy. Test Engr.,

 ITT Federal Div., 100 Kingsland Rd., Clifton, N.J.

 LAPPIN, LESTER S. (A'3B-VA'39-SM-4B), Design Engr.,

 RCA, Camden, N.J.

 LAPPING, ALBERT M. (M'59), Head, Engrg, Design

 Group, Norden Div., United Aircraft Co., 121 Westmore
 land Ave., White Plains, N.Y.

 LAPRAD, OUENTIN C. (S'53-A'54), Mai., U.S. Army.
- land Ave., White Plains, N.Y.
 LA PRAD, QUENTIN C. (S'53-A'54), Maj., U.S. Army, Exec. Officer, Corporal Div., Dept. of Material, U.S. Army Artillery & Missile School, Ft. Sill, Okla.
 LA PRADE, GEORGE L. (A'54), Staff Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz.
 LA PRESTI, PETER (A'55), Owner, P. & L. Lock-Cycle Radio Service, 4B9 Seneca Ave., Ridgewood 37, N.Y.

- LARA, ANDRES (M'59), Dir., Institute L. Torres Quevedo, Serrano 144, Madrid, Spain.

- Serrano 144, Madrid, Spain.

 LARDIERI, GERALD (A'54), Electronics Technician, Electronic Enterorises, 65 7 Ave., Newark, N.J.

 LARENA, SYLVESTER F. (S'56-A'56), Engrg. Asst., ITT Federal Div., 100 Kingsland Rd., Clifton, N.J.

 LAREY, BERT W. (A'53), Electronics Engr., Pacific Missile R.nge, Code 3162, Pt. Mugu, Calif.

 LARGUER, RENE (SM'58), Dir. Genl., Marc Wood S.A., Blvd. Haussmann, Paris B, France.

 LARICK, STUART H. (S'41-A'43-M'45), Sales Mgr., Larick Mfg. Co., Inc., 2B7 Broadway, New York 7, N.Y.

 LARICK, STUART H., (A'32-M'45-SM'51), Sales Mgr., Performance Measurements Co., 15301 McNichols, Detroit 35, Mich.

 LARISCR, MICHARD W. (S'4B-A'50-M'55), Marm
- Detroit 35, Mich.

 LARISCH, RICHARD W. (S'48-A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 LARISON, JOHN F. (A'57), Communication Specialist, Office of Chief Signal Officer, Dett. Army, The Pentagon, Washington 25, D.C.

 LARITSON, LLOYD P. (S'56-M'5B), 514 S. 3rd St., Tucumcari, N.M.

 LARK, FDWN I. (A'45-M'44)

- Tucumcari, N.M.
 LARK, EDWIN J. (A'45-M'46), Supvr., Tech. Manual
 Writers, Hughes Aircraft Co., Culver City, Calif.
 LARK, JOHN E. (S'56-M'57), Electronics Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 LARKIN, JAMES D. (M'55), Electronics Engr., Cmdr.,
 1st Coast Guard District 1400 Custom House, Boston
 9, Mass 1st Coast 9, Mass.
- LARKIN, JOHN P. (S'55-M'5B), Engr., ITT Labs., Nutley 10, N.J. LARKIN, JOSEPH P. (M'50), 1230 S. Dixie Hwy., Lake Worth, Fla.
- LARKIN, KENNETH T. (M'46-SM'55), Assoc. Dir., Research, Lockheed Missiles & Space Div., Box 504, Sunnyvale, Calif.
- Sunnyvale, Calif.

 LARKIN, ROBERT L. (S'57-M'59), Assoc. Engr., Convair, San Diego 12, Calif.

 LARKIN, ROBERT M. (SM'5B), Supvr., Doppler Equipment Design & Dev., GE Co., Utica, N.Y.

 LARKIN, WILBER D. (S'57-M'57), Radar Maint. Officer, USAF, 931st ACWRON, APO 23, New York, N.Y.

 LARKINS, A. HOWARD (M'59), Chief Engr., Natl. Presto Industries, Eau Claire, Wis.

- LARKINS, EDWARD B. (M'54), Project Engr., Bendix Radio Div., Towson 4, Md. LARKINS, GROVER L. (S'50-A'50-M'56), Group Leader Project Engr., Natl. Airlines, Inc., Box NAL, Internatl. Airport Branch, Miami, Fla.
- Arryon Grainer, Mamn, Fla.

 LARKS, SOL D. (M¹57), Asst. Research BiophysicIst, Medical School, Univ. of California, Los Angeles 24, Calif. LARKY, ARTHUR I. (S¹52-M¹57), Research Associate, Elec. Engro. Dept., Lehigh Univ., Bethlehem, Pa. LARNEY, JOHN L. (S¹54-A¹55), Field Engr., Chrysler Corp., Box 262B, Detroit 31, Mich.
- LAROCHE, ROGER A. (M'SB), Lab. Asst., GE Co., Lake-side Ave., Burlington, Vt. LA ROSA, RICMARD (S'44-A'49-SM'55), Design Supvr., Hazelline Electronics Corp., 59-25 Little Neck Pkwy., Little Neck 62, L.I., N.Y.
- LAROSCHE, JACOB R. (S'53-A'54), Engr., GE Co., Syracuse, N. Y.

- Syracuse, N. Y.

 LA ROSE, ALFRED P. (A'46-M'52), Prod. Engr., Rectifier & Capacitor Div., Fansteel Metallurgical Corp., 2200 Sheridan Rd., North Chicago, III.

 LAROSE, ALGUSTE C. (M'5B), Microwave Engr., Westinghouse Elec. Corn., Box 2B4, Elmira, N. Y.

 LARRABEE, ROBERT D. (S'52-M'5B), Research Engr., RCA Labs., David Sarnoff Research Center, Princeton, N. J.

 LAR RIEU, EDMOND A., JR. (A'42-M'45-5M'56), Equipment Engr., Inland Tolf Terminal Group, Chief Engineer's Debt., Pacific Telephone & Telegraph Co., 153 Kearny St., San Francisco B, Calif.

- Dept., Pacific Telephone & Telegraph Co., 153 Keamy St., San Francisco B, Calif.

 LARRIMER, JOHN K. (A'53), TV Maint. Engr., 3000 W. Alameda, Burbank, Calif.

 LARROWE, BOYO T. (4'53-M'5B), Sr. Engr., Strand Engr. Co., 1354 N. Main, Ann Arbor, Mich.

 LARSE, GEORGE L. (S'51-A'52-M'57), Oept. Mgr., Lockheed Missiles & Space Div., Box 504, Sunnyyale, Calif.

 LARSEN, BENT F. (A'51-M'56), Engr., Air Material Command, Signal Dept., Royal Danish Air Force, Air Base Vaerloese, Jennark.

- loese, Oenmark.

 LARSEN, CARL L. (A'49), Electronics Technician, Naval Ordnance Test Sta., China Lake, Calif.

 LARSEN, EZRA B. (M'5B), Radio Physicist, U. S. Bureau of Standards, Boulder, Colo.

 LARSEN, FINN J. (M'55-SM'55), Dir., Research Minneapolis-Honeywell Regulator Co., Hopkins, Minn.

 LARSEN, FRANK P., JR. (M'5B), 352 Eastover Rd., Charlotte 7, N.C.

- polis-Honeywell Regulator Co., Hopkins, Minn.
 LARSEN, FRANK P., JR. (M'5B), 352 Eastover Rd.,
 Charlotte 7, N.C.
 LARSEN, GERALD J. (A'57), Electronics Engr., Admiral
 Corp., 901 California Ave., Palo Alto, Calif.
 LARSEN, GORDON R. (A'56), Sr. Electronics Engr., F-irchild Astronics Div., Wyandanch, L. I., N.Y.
 LARSEN, HUGH L. (S'56-M'59), Electronics Engr., Stromberg-Carlson Co., 1894 Hancock, San Diego 12, Calif.
 LARSEN, HYRUM F. (S'4B-A'50-M'55), Electronics Research Engr., No. Amer. Aviation, Downey, Calif.
 LARSEN, JACK (M'4B-SM'53), Patent Atty., B2 Minc
 Mount Rd., Bernardsville, N.J.
 LARSEN, MERWIN J. (SM'54), Head Prof., Univ. of Florida, Gainesville, Fla.
 LARSEN, PAUL J. (A'37-M'41-SM'43), Mgr., East Coast
 Operations, Hughes Aircraft Co., 1612 K St., Washington
 6, D. C.
 LARSEN, PHILLIP N. (A'53-M'59), Caot., USAF Project
 Engr., Rome Air Development Center, Griffiss AFB, N.Y.
 LARSEN, RAYMOND P. (S'56-M'5B), Elec. Engr., Hughes
 Aircraft Co., Culver City, Calif.
 LARSEN, RAYMOND S. (A'55), Mgr., Electronics Supply
 Deb., Standard Supply Co., 225 E. 6, S., Salt Lake
 City 10, Utah.
 LARSEN, RAYMOND S. (S'55-M'5B), Research Scientist,
 Defence Research Bd., C. A. R. D. F. Box 1472, Val-

- City 10, Utah.

 LARSEN, RAYMOND S. (S'55-M'5B), Research Scientist, Defence Research Bd., C. A. R. D. E., Box 1472, Valcartier, P. Q., Canada.

 LARSEN, ROY A., JR. (S'54-M'5B), Electronics Engr., Raytheon Mg. Co., Box 636, Santa Barbara, Calif.

 LARSEN, ROY L. (S'51-A'52-M'55), Field Engr., Minneapolis-Honewell Regulator Co., 1230 Soldiers Field Rd., Boston 35, Mass.

 LARSEN, SVFN-FDIV (MISC).
- Boston 35, Mass.
 LARSEN, SVEN-ERIK (M'5B), Engr., c/o Harry Lørsen, Princesse Maries Alle 3, Copenhagen, Denmark,
 LARSEN, WALLACE L. (S'55-M'57), Design Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio.
 LARSEN, WENDELL M. (A'5B), Computer Customer Engr., 18M, 3102 Famam St., Omaha, Neb.
 LARSH, ALMON E., JR. (S'49-A'50-M'56), Electronics Engr., Radiation Lab., Univ. of California, Berkeley 4, Calif.
- Calif.

 LARSON, ALFRED F. (SM'57), Pres. Systems Associates, Inc., 90 New York Ave., N., Halesite, L.I., N.Y.

 LARSON, ARTHUR G. (M'56), Radio Engr., World Radio Missionary Fellowship, Casilla 691, Quito, Ecuador.

 LARSON, BROR O. (M'59), Mem. Tech Staff, Bell Tel.

 Labs., Murray Hill, N.J.

 LARSON, CHARLES O. (M'45-SM'47), Capt., USN, Comtroller, Naval Shipyard, Boston, Mass.

 LARSON, CHRISTIAN C. (SM'52), Oir., Advanced Oev.

 Lab., ITT Labs., 15151 Bledsoe St., San Fernando,

 Calif.

- Cair.

 LARSON, DANIEL C. (S'56-M'5B), Assoc. Engr., Boeing
 Aimlane Co., Seattle 24, Wash.

 LARSON, DONALD E. (M'56), Business Mgr., Westem
 Electronic Show & Convention, 1435 S. La Cienega Blvd.,
 Los Angeles 35, Calif.
- Los Angeles 35, Calli.

 LARSEN, FRANK P. (M'5B), 352 Eastover Rd., Charlotte
 7, N. C.

 LARSON, HARRY T. (S'46-A'49-M'55), Assoc. Dir., Project Operations Central, Aeronutronic Systems, Inc., Ford
 Rd., Santa Ana, Calif.
- LARSON, JAMES A. (S'55-A'56), Technician, Remington Rand Univac, 1319 Randolph Ave., St. Paul 5, Minn. LARSON, JEANNE E. (A'5B), Special Asst. to Publications Div. Head, Hazeltine Electronics Corp., Little Neck 62, L.I., N. Y.
- L.I., N. Y.
 LARSON, KAMPBELL T. (A'50-SM'57), Design Engr.,
 Martin Co., Orlando, Fla.
 LARSON, KENNETH E. (S'50-A'51-M'56), Elec. Engr.,
 American Sterilizer Co., 2426 W. 23 St., Erie, Pa.
 LARSON, KENNETH E. (S'57-M'5B), Engr., RCA, Camden,
 N. I.

- 261 -IAR-IAV

- LARSON, LOUIS A. (A'50), Engr., Boeing Airplane Co., Seattle, Wash.
- Seattle, Wash.

 LARSON, RALPH G. (A'47-M'52), Tech. Supvr., Storer
 Broadcasting Co., 136 Huron St., Toledo 4, Ohio.
 LARSON, RAYMOND C., JR. (S'55-M'56), Engr., Ampex
 Corp., 934 Charter St., Redwood City, Calif.

 LARSON, RICHARD C. (M'4B), Engr., Self-employed, 4420
 Great Oak Rdar, Rockville, Md.

- LARSON, RICHARD L. (S'56-M'58), Sales Engr., Transitron Electronic Corp., 6362 Hollywood Blvd., Hollywood 28, Calif.
- LARSON, RICHARD W. (S'5D-A'51-M'58), Sr. Engr., Microwave Design, Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.
- LARSON, RDBERT A. (S'56-M'57), Engr., Airborne Instruments Lab., Inc., 160 Old Country Rd. Mineola, L.I., N, Y.
- N.Y.

 LARSON, ROBERT D. (S'56-M'58), Assoc. Engr., Lockheed Missile Systems Div., Sunnyvale, Calif.

 LARSON, RDBERT J. (S'51-A'52-M'55), Engr., Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, III.

 LARSON, ROBERT W. (SM'44), Mgr., Operation Analysis, Research Operation Dept., GE Co., Schenectady, N. Y.

 LARSON, RODGER G. (M'52-SM'57), Project Engr., Westinghouse Elec. Corp., Box 284, Elmira, N. Y.

 LARSON, RONAL W. (S'56-M'58), Research Asst.

 Engr., Electron Physics Lab., Univ. of Michigan Research Institute, Ann Arbor, Mich.

 LARSON, RONAL D. (S'49-A'51-M'55), Project Engr.

- ARSON, RONALD P. (S'49-A'51-M'55), Project Engr., Stewar-Warner Electronics 1300 N. Kostner Ave., Chicago 51, III.
- Chicago 51, III.

 LARSON, ROY D. (M'58), Sr. Engr., Melpar, Inc., 1002

 S. Plumer, Tucson, Ariz.
- S. Plumer, Tucson, Ariz.
 LARSON, ROY E. (A.43-M/55-SM/58), Microwave Unit
 Head, Electronic Calibration Center, Natl. Bureau of
 Standards, Boulder, Colo.
 LARSON, VERNE D. (M/59), 392 Margaret Circle,
 Wayzata, Minn.
- Wayzata, Minn.

 LARSON, VERNON C. (S'47-A'52-M'56), Research Engr., Production Research Dept., Imperial Oil, Ltd., 339 50 A.c., S. E., Calgary, Alta, Canada.

 LARSON, WILFRED L. (SM'54), Pres. & Genl, Sales Mgr., Switchcraft, Inc., 5555 Elston Ave., Chicago 30, III.

 LARTAUD, HAROLD R. (SM'53), Staff Engr., Signal Corps Engr., Labs., Ft. Monmouth, N. J.

 LARTER, THOMAS C. (S'49-A'49-M'54-SM'57), Research Engr., Aeronutronic Systems, Inc., 1234 Airway, Glendale, Calif.

- Glendale, Calif.

 LA RUE, ALBERT D. (SM'54), Project Engr., Microwave Lab., GE Co., Palo Alto, Calif.

 LARUE, CHARLES E. (M'57), Communication Engr., FAA, Washington 25, D. C.

 LA RUE, CHARLES L. (S'56-M'58), Elec. Engr., ITT Labs., Nutley 10, N. J.

- Labs., Nutley 10, N. J.

 La RUE, J. STERLING (SM'59), Sect. Head, Lockheed Aircraft Corp., Sunnyvale, Cailí.

 LARUE, JOHN J. (S'55-M'56), Instr., Michigan State Univ., East Lansing, Mich.

 LA SALLE, EDWARD (S'48-A'50-M'57), Sr. Project Engr., Bendix Prod., South Bend, Ind.

 LA SALLE, ROBERT H. (M'59), Electronics Scientist, Rome Air Development Center, Griffiss AFB, N. Y.

 LASARSKY, STANLEY G. (M'57), Supvr., Engrg. Evaluation, Aeronautical Div., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis, Minn.

 LASCARIS, CONSTANTIN A. (M'58), 14 Partriachon

- LO., ZOUU KIDGEWBY RG., MINNEADOIS, MINN.
 LASCARIS, CONSTANTIN A. (M'58), 14 Partriachon
 loakim, Athens K., Greece.
 LASCH, WILLIAM H. (M'57), Engr., Bendix Aviation
 Corp., Teterboro, N. J.
 LASCHEVER, NORMAN L. (A'47-SM'52), Sr. Engr.,
 Lab. for Electronics, Inc. 75 Pitts St., Boston 14,
 Mass.
- Mass.

 LASENSKY, MAURICE M. (M'57), Owner, Tower Construction Co., 2700 Hawkeye Dr., Sloux City 2, lowa.

 LASEWICZ, VINCENT J. (M'58), Field Engr., H. L. Yoh Co., Inc., 123 S. 2nd St., Philadelphia, Pa.

 LASH, CHARLES C. (SM'54), Research Assoc., Pan-American Petroleum Corp., Box 591, Tulsa 2, Okla.

 LASH, EARL (M'56), Staff Asst., Electronics Div., Natl. Cash Register Co., 1401 E. El Segundo, Hawthome, Calif.

- LASH, JACK R. (A'57), Electronics Engr., Raytheon Corp., 4347 U.S. 101 Alternate Hwy., Oxnard, Calif. LASHER, CLAIR C. (A'47-SM'47), Genl. Mgr., Computer Dept., GE Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.
- AFIZ.

 LASHER, DONALD R. (S'58-M'59), Capt., U.S. Army, Instr., ADPS, Officers Dept. of The U.S. Army Signal Corps School, Ft. Monmouth, N.J.

 LASHIER, HARVEY M. (S'46-A'49-M'55), Assoc. Prof., Physics, Emmanuel Missionary College, Berrien Springs, Misch
- Physi
- MICh.

 LASHINSKY, HERBERT (S'52-M'58), Research Asst., Columbia Radiation Lab., Columbia Univ., New York, N.Y.

 LASHOMB, SHERWOOD D. (S'57-A'58), Mgr., Quality Control, Microwave Development Labs., Inc., 92 Broad St., Wellesley, Mass.
- LASKEY, JOHN M. (M'56), Design Engr., RCA, Camden, N.J.

- N. J.

 LASKIN, HERBERT J. (S'47-A'49-M'55) Sect. Head, Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, L. I., N. Y.

 LASKIN, ROBERT (S'55-M'57), Design Engr., Ford Instrument Co., 31-40 41 Ave., Long Island City I, N. Y.

 LASKIN, ROBERT S. (S'49-A'50-M'56), Mgr., Pilot Plant, Semiconductor Div., CBS-Hytron, Lowell, Mass.

 LASKY, PHILIP G. (A'38-M'56), Exec. Dir., Westlinghouse Broadcasting Co., Inc., Sta. KPIX, 2655 Van Ness Ave., San Francisco 9, Calif.
- LASLO . MICHAEL Z . (M'577), Field Engr. , Neely Enter-prises , 39,39 Lankershim Birvi . , North Hollywood , Calif . LA SOTA , LEO S . (A'50-M'59) , Engr.-In-Chg . , High Voltage Lab . , Pennsylvania Transformer Co . , Canonsburg ,
- LASPINA, CHRISTOPHER A. (S'50-A'53-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. LASSILA, ARNE A. (A'47), Transmitter Engr., TV, WBBM-TV, 630 McClurg Ct., Chicago 11, III.

- LAST, JAYT. (M'57), Fairchild Semiconductor Co., 844
 Charleston Rd., Palo Alto, Calif.

 LASTER, CLARENCE C., JR. (M'55), Electronics Engr.,
 USAF Security Service, Box 2000, San Antonio, Tex.
 LASTER, JOHN A. (S'57-A'58), Staff Asst., Sandia
 Corp., Sandia Base, Albuquerque, N. M.
 LASTIG, WALTER A. (S'55-M'58), Test Engr., IBM,
 Poughkcepsie, N. Y.
 LA TASTE, CRAIG D. (S'53-A'53), Eastem Sales Mgr.,
 Industrial Prods., Sylvania Elec. Prods., Inc., 1000
 Huyler St., Teterboro, N. J.
 LATHAM, COLIN (M'53), Radar Dev. Engr., Marconi's
 Wireless Telegraph Co., Ltd., Chelmsford, England.
 LATHAM, DONALD C. (S'55-M'57), Electronics Engr.,
 USAF, Dept. of Defense, Natl. Security Agency, Ft.
 Meade, Md.
 LATHAM, NELSON D. (S'47-A'49-M'55), Group Leader
- Meade, Md.
 LATHAM, NELSON D. (S'47-A'49-M'55), Group Leader of Design & Dev., RCA, Camden, N.J.
 LATHAM, WILLIAM S. (M'56), Branch Head, Recording Techniques Branch, USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.
- Trumbull, New London, Conn.

 LATHROP, DOYT L. (S'42-A'45-M'55), Staff Mem.,
 Sandia Corp., Sandia Base, Albuquerque, N. M.

 LATHROP, PAUL A. (A'49-M'54), Mgr., Electro-Mech.
 Equipment Engrg., Missile & Space Vehicle Dept., GE Co.,
 3198 Chestnut St., Philadelphia 4, Pa.

 LATHROP, RICHARD C. (S'48-A'52-M'57), Maj., USAF,
 Chief, Training & Operations, USAF Test Pilot School,
 Edwards AFB, Calif.

 LATHROP, ROBERT J. (SM'57), Project Engr., Philco
 Curp., 3875 Tabian Way, Palo Alto. Calif.

 LATHROP, WILLIAM A. (A'52), Owner, Lathror's 5106
 Jackwood, Houston 35, Tex.

 LATIMER, DE WITT T., JR. (M'55), Mgr., Navigation
 Sect., Hoffman Labs., Inc., 3761 S. Hill St. Los Angeles 7, Calif.

 LATINB, MARIO S. (S'53-A'54-M'59), Day & Latally

- LATIND, MARIO S. (S'53-A'54-M'59), Dev. & Installation Engr., Hamilton Standard Electronic Div., Broad Brook, Conn.

- Brook, Conn.

 LATKER, ALEX C. (M'56), Engr., Microwave Design & Dev., GE Co., Syracuse, N. Y.

 LATORER, FRANK N. (M'59), Field Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 LA TOUR, JOHN, JR. (S'57-M'58), Engr., Mgr., Economy Electric Co., 538 West St., Daytona Beach, Fla.

 LATOUR, MARINUS H. (A'43-SM'53), Assoc. Prof., College of Engrg., Univ. of Florida, Gainesville, Fla.

 LA TOURRETTE, PETER M. (S'57-M'59), Sr. Engr., Microwave Engrg. Labs., 943 Industrial Ave., Palo Alto, Calif.
- Cair.

 LATSON, FRANK W. (S'47-A'50-M'55), Elec. Engr.,
 (Group Leader), Vitro Labs., 14000 Georgia Ave., Silver
 Spring, Md.

 LATT, HERMAN A. (A'51-M'56), Project Mngt., Hughes
 Alroraft Co., Culver City, Calif.

 LATTA, LLO, VOUYO C., JR. (SM'59), Capt., Data Communications Branch, Comm-Elect. Div., Hqrs., SAC, Offutt AFB,
 Neb.

- LATTER, ROBERT F. (M'57), Transmission Engr., L.L. Dept. of AT&T Co., 32 Ave. of the Americas, New York, N.Y.

- Dept. of AI 6.1 Co., 32 Ave. or the Americas, New York, N. Y.

 LATTIER, EDWARD E., JR. (S'56-M'57), Flight Test Engr., Convair, Ft. Worth, Tex.

 LATTIN, WILLIAM J. (A'41-M'55), Owner, Lattin Radio Labs., 1431 Sweeney St., Owensboro, Ky.

 LAU, CHARLES B. (A'44), Asst. Chief Engr., A. S. Abell Co., WMAR-TV, Mahleson Bidg., Baltimore 3, Md.

 LAUB, JOSEPH L. (M'58), Project Chief, Wiancko Engr., Co., 255 N. Halstead, Pasadena, Calif.

 LAUB, ROBERT E. (SM'56), Dir., Mfg., Industrial Prods., Div., 15191 Bledsoe St., San Fernando, Calif.

 LAUB, ROBERT W. (A'57), Mgr., Aircraft Radio Dept., Bohling Aircraft Corp., 5324 W. 63, Chicago 38, III.

 LAUBACH, BALVIN A. (S'56-M'57), Env. Test Engr., Hughes Aircraft Co., Culver City, Calif.

 LAUBE, WILLIAM C., JR. (S'48-A'49-M'58), Dev. Engr., Hammond Organ Co., 2915 N. Western Ave., Chicago 18, III.

- LAUBE, WILLIAM C., JR. (S'48-A'49-M'58), Dev. Engr., Hammond Organ Co., 2915 N. Western Ave., Chicago 18, III.

 LAUBENSTEIN, ALLAN E. (S'57-M'59), Elec. Engr., AC Spark Plug Div., South Milwaukee, Wis.

 LAUBENSTEIN, RICHARD A. (S'45-A'51-M'56), Specialist, Tech. Evaluation, Atomics Internati., No. Amer. Aviation, Box 309, Canoga Park, Calif.

 LAUBER, DOUGLAS H. (A'58), 380 Public Bidg., R. C. M. Police, Calgary, Alta., Canada.

 LAUBY, JOHN W. (S'56-M'57), Elec. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 LAUDE MAN, JAMES A. (S'50-A'51-M'56), Customer Engr., 181M, Box 751, Livermore, Calif.

 LAUDE MAN, JAMES A. (S'50-A'51-M'56), Customer Engr., 181M, Box 751, Livermore, Calif.

 LAUDENSCHLAGER, WILLIAM (M'59), Assoc. Engr., Ampex Corn., 934 Charter St., Redwood City, Calif.

 LAUDENDALE, LOYD K. (S'55-M'57), Research Engr., Defense Research Lab., Univ., of Texas, Austin, Tex.

 LAUDERDALE, LLOYD K. (S'55-M'57), Research Assoc., Radiation Lab., The Johns Hopkins Univ., Baltimore 2, Md.

 LAUDON, HERBERT (M'55), Head, Infra-Red Systems, Universal Winding Co., Patterson Moos Div., 90-28 Van Wyck Expressway, Jamaica 18, L. I., N. Y.

 LAUE, LAMONT C. (A'58), Petroleum Engr., Reservoir Engr., Sect., Sun Oil Co., Box 288D, Dallas, Tex.

 LAUER, CHARLES A. (A'55), Electronics Engr., Westinghouse Elec. Corn., Buffalo, N. Y.

 LAUER, ENGEN K. (S'55-M'57), Sales Engr., IBM, 590 Madison Ave., New York, N. Y.

 LAUER, ENREST A. (M'55), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo, S. N. Y.

 LAUER, ENREST A. (M'55), Flectronics Engr., Bell Aircraft Corp., Box 1, Buffalo, S. N. Y.

 LAUER, ENREST A. (M'55), Petroleum Engr., Sect. Leader, C. & IE Div., Motorota, inc., 4501 W. Augusta Bibt., Chicago 51, III.

 LAUGESEN, THOMAS C. (A'55), Sr. Electronics Engr., Lavole Labs., inc., Matawan Rd., Morganville, N. J.

 LAUGEL H.N., CAROOL E. (A'47-M'52), Radio Engr., Gulf States Utilities Co., Beaumont, Tex.

- LAUGHLIN, CHARLES R., JR. (A'55), Elec. Engr., Natl. Security Agency, Ft. Meade, Md.
 LAUGHLIN, JOHN G., JR. (M'58), Sr. Engr., Electronic Engrg., Co. of California, 1601 E. Chestnut Ave., Santa Ana, Calif.
 LAUGHLIN, STANLEY I. (M'58), Engr., Sperry Gyroscope Co., Lake Success, L.I., N. Y.
 LAUGHTER, FRED H. (S'53-A'55-M'57), Engr., Westem Electric Co., Chatham Rd., Winston-Salem, N. C.
 LAUHER, VERLIN A. (S'55-M'58), Elec. Engr., Monsanto Chemical Co., 80D N. Lindbergh Blvd., St. Louis 66, Mo. LAULER, LOUIS J. (M'56), Dept. Mgr., Computer Research, Lockheed Missiles & Space Div., 1122 Jagels Rd., Sunnyvale, Calif.

- LAULER, LOUIS J. (M'56), Dept. Mgr., Computer Research, Lockheed Missiles & Space Div., 1122 Jagels Rd., Sunny-vale, Callf.

 LAUMAN, EDWARD O. (M'58), Communication Systems Engr., Advanced Communications Engrg., 6038 28 Ave., Washington 23, D. C.

 LAUNER, WILLIAM H. (S'57-M'57), Design Engr., Mc Donnelf Aircraft Corp., Lambert Field, St. Louis, Mo. LAURENT, GEORGE J. (A'47-SM'52), 125 Summit Ave., Jenkintown, Pa.

 LAURENT, JOHN A., JR. (S'46-A'48-M'55), Engr., Instrument Dept., GE Co., 4D Federal St., West Lynn, Mass. LAURENT, TORBERN (S'M'57), Porf. Telegraphy-Telephony, Royal Institute of Technology, Stockholm 70, Sweden.

 LAURENTS, TORBERN (S'M'57), Porf. Jelegraphy-Telephony, Royal Institute of Technology, Stockholm 70, Sweden.

 LAURENTS, SAC, 2nd A. F., Directorate of Materiel, Armament-Electronics Div., Barksdale AFB, La.

 LAURENTS, VAN T. (S'57-A'58), Box 271 Lafayette, La.

 LAUREYNS, GEORGE A. (S'56-M'58), 2nd Lt., USAF, Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Offlic.

 LAURIEN, THILIP R. (M'55), Submarine Repair Supt., Philadelphia Naval Shipyard, Philadelphia, Pa.

 LAURIEN, IRA M. (M'59), Chief Dev., Engr., The Wurlitzer Co., North Tonawanda, N. Y.

 LAURILA, WILLIE E. (S'57-A'58), Officers' Mess B, RCAF Sta., Winnipee, Man., Canada.

 LAURITZEN, LOUIS (S'56-M'57), Elec. Engr., Collins Radio Co., 2700 W. Olilve, Burbank, Callf.

 LAUSER, OARL T. (S'58-M'59), Jr. Engr., Burroughs Corp., Paoli, Pa.

 LAUTENBERGER, HARVEY W. (S'43-A'50-M'55), Dev. Engr., American Bosch Arma Corp., Carden City, L. L. N. Y.

 LAUTZ, CARL F., JR., (A'46-M'55), Elec. Engr., Sylvania Elec. Prods., Inc., 1100 Wherle Dr., Buffalo, N. Y.

- Engr., American Bosch Arma Corp., Garden City, L. I.,
 N. Y.

 LAUTZ, CARL F., JR. (A'46-M'55), Elec. Engr., Sylvania
 Elec. Prods., Inc., 1100 Wherle Dr., Buffalo, N. Y.

 LAUVER, ROBERT M. (S'55-M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N. J.

 LAVAGLIO, DONALD A. (S'58-A'59), Engrg. Aide, Sperry
 Gyroscope Co., Great Neck, L. I., N. Y.

 LAVALLEE, MAURICE L. (A'47), TV Tech. Facilities
 Engr., NBC, Home: 1DO Central St., Manville, R. I.

 LAVALLEE, PAUL (S'45-A'47-M'55), Asst. Communication Engr., Quebec Hydro-Electric Commission, 107 Craig
 St., W., Montreal, P. Q., Canada.

 LA VANCE, CECIL N. (S'57-M'59), Electronics Engr.,
 Motorola, Inc., Phoenix, Ariz.

 LA VEAN, GILBERT E. (S'55-M'56), Elec. Engr., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 LAVEDAN, LOUIS J., JR. (M'58), Microwave Engr., RCA,
 Moorestown, N. J.

 LAVELLA, DONALD, JR. (S'57-A'58), Site Technician,
 Burrousbe Com. 51 J. 11 18

- Morestown, N. J.
 LAVELLA, DONALD, JR. (\$'57-A'58), Site Technician, Burroughs Corp., 511 N. Broad St., Philadelphia, Pa.
 LAVENDER, JOHN S., JR. (M'58), Supvr. of Communications, The Ohio Oil Co., 539 S. Main St., Findlay, Ohio.
 LAVENDER, RAYMOND W. (M'49), Mgr., Elec. Dev. & Instrumentation Depts., Ansco Film Corp., Binghamston, N. Y.
 LAVENDOL, LOUIS G. (\$'55-M'59), Engr., Alfborne Instrument Lab., Mineola, L.I., N. Y.
 LA VERDA, FRANK R. (\$'56-M'58), Engr., ITT Labs.,
 Nutley 10, N. J.
 LA VERGHETTA, FRANK É. (\$'54-M'56), Project Engr.,
 Digital Computers, Philico Corp., 4700 Wissahickon Ave.,
 Philadelphia 44, Pa.
 LAVERGHE, ARTHUR J., JR. (M'56). Plavback Geonhysi-

- Philiade Johia 44, Pa.

 LAVERGNE, ARTHUR J., JR. (M'56), Playback Geophysicist, Chevron Oil Co., 3201 N. Big Spring, Midland, Tex.

 LAVERIGNE, ELIZABETH (SM'55), Group Leader, Radar
 Research Lab., Elliot Bros. (London), Ltd., Elstree Way,
 Boreham Wood, Herts, England.

 LAVERY, NORMAN P. (M'50), Asst. Chief Group Research Engr., Northrop Aircraft Co., Hawthome, Callf.

 LAVERY, OUGLAS J. (C'37-A'58), 3400 Ridgewood
 Ave., Montreal, P.Q., Canada.

 LAVERY, WILLIAM J. (S'56-M'57), Electronics Engr.,
 Packard-Bell Electronics Corp., 12333 W. Olympic, Los
 Angeles 64, Callf.

 LAVI, ABRAHIM (S'56-M'57). Camedia Institute of Texts.

- Angeles 64, Callf.

 LAVI, ABRAHIM (S'56-M'57), Camegie institute of Technology, Forbes St., Pittsburgh 13, Pa.

 LAVI, YESHAYAHU (S'51-A'54-M'59), Lt. Col., Chief Signal Officer, Israel Defense Force, Army Post Office, 2130, Israel.

 LAVIANO, VINCENT R. (S'56-M'58), Research & Dev. Engr., Fairchild Camera & Instrument Corp., 5 Aerlal Way, Syosset, L.I., N.Y.

 LA VIELLE W.R. B. (MAIGO), Cont. 115018, Sec.
- Syosset, L.I., N.Y.

 LA VIELLE W. R. R., (M'49), Capt., USNR, Pres.,
 Universal Radio Supply Co., Inc., 533 S. 7 St., Louisville 3, Ky.: Secy., Meril La Vielle Supply Co.; Pres.,
 Neilloc Realty Co., 2211 S. Brook, Louisville, Ky.

 LA VIER, EUGENE C. (A'46-M'55), Col., USAF, Deputy
 Dir., Research Vehicles & Instrumentation, Air Research
 & Development Command, Washington 25, D.C.

- & Development Command, Washington 25, D.C.
 LAVIN, HENRY (A'46-M'55), Owner, Henry Lavin Assoclates, Box 196, Meriden, Conn.
 LAVIN, HERBERT P. (A'48-M'54), Design Engr., Closed
 Circuit Color TV Sect., GE Co., Syracuse, N.Y.
 LAVIN, HOWARD D. (A'50-M'54), Training Supvr., Martin
 Co., Baltimore, Md.
 LAVIN, JOHN F. (A'58), 7450 N. Lea Way, Citrus Heights,
 Calif.
- Calif.
 LAVIN, JOHN H. (M'56), Mech. Engr., Hughes Aircraft
 Corp., 5330 W. Century, Los Angeles, Calif.
 LAVIN, ROBERT D. (A'54), Mgr., Systems Engrg., Appiled Science Corp. of Princeton, Box 44, N. J.
 LAVINE, JEROME M. (SM'58), Research Staff Mem.,
 Raytheon Mfg. Co., Waltham 54, Mass.
 LAVINE, RICHARD (M'57), Pacific Coast Mgr., Hoover
 Electronics Co., 6441 Bothwell, Reseda, Calif.

- LA VIOLETTE, ROY F. (A'40), Operations Supvr., KCOPTY, 1000 Cahuenga Blvd., Hollywood, Calif.

 LAVO, HARRY J. (M'49), Experimental Engr., Lycoming-Spencer Div., Williamsport, Pa.

 LAVOIE, JEAN L. (S'57-M'58), Physicist, Canadair, Ltd., Ville St-Laurent, Montreal, P.Q., Canada.

 LAVOIE, JLOIC (M'54), Toil Foreman, Bell Tel. Co. of Canada, 3.27 LaFontaine, Rivlere-du-Loup, P.Q., Canada.

 LAVOIE, STEPHEN D. (A'41), Pres., Lavoie Labs., Inc., Matawan-Freehold Rd., Morganville, N.J.

 LAVOR, NORMAN (A'41-M'45), Research Assoc., GE
 Co., Schenectady, N.Y.

 LAVDROA, MICHAEL P. (S'56-M'59), Jr. Project Engr., Eclipse-Pioneer Div., Teterboro, N.J.

 LAVRENCH, WILLIAM (A'50-M'55), Asst. Research Officer, Radio & Elec. Engrg., Div., Natl. Research Council, Montreal Rd., Ottawa, Ont., Canada.

 LAVRISCHEFF, JOHN T. (S'55-M'59), Elec. Engr., Electronic Design, Electronic Component Test & Evaluation, Univ. of California, Lawrence Radiation Lab., Berkeley, Calif. Calif

- Calif.
 LAW, CHARLES K. (SM'56), Mgr., Cata Link Projects, RCA, Camden, N.J.
 LAW, HAROLD B. (SM'46-F'52), Research Engr., RCA, Princeton, N.J.
 LAW, JACK M. (A'56), Supvr., Capacitor Dev. & Control Fansteel Metallurgical Corp., North Chicago, III.
 LAW, LUIS R. (A'54), Electronics Systems Engr., Lockheed Aircraft Corp., Missile Systems Div., 1122 Jagels Rd., Sunnyvale, Calif.

- Reco Antivate Corp., missine 373cms priv, 1222 Jap. 18 d., Sunnyvale, Calif.

 LAW, PAUL F. (S'55-M'56), Lecturer, Dept. of Elec. Engrg., The Univ. of Texas, Austin, Tex.

 LAW, RUSSELL R. (A'34-M'40-SM'43-F'53), Dir., Electronics Lab., Hughes Aircraft Co., Culver City, Calif.

 LAWALL, RUSSELL M. (M'55), Sr. Engineer, AT&T Co., 138 E. Court St., Cincinnati 2, Ohio.

 LAWARE, HAROLD D. (S'56-M'58), Asst. Publications Engr., Spery Gyroscope Co., Great Neck, L.I., N.Y.

 LAWBURGH, ROBERT H. (S'50-A'51-M'56), Research Engr., Farnsworth Electronics, Ft. Wayne, Ind.

 LAWHORN, RICHARD D. (S'56-M'59), Elec, Engr., Lockheed Missiles & Space Div., Box 504, Sunnyvale, Calif.

 LAWLER, JOHN J. (S'50-A'51), Engr., RCA, Camden 8, N.J.
- N.J.
 LAWLER, JOSEPH A. (M'59), V.P., Engrg., Blue M Electric Co., 138 & Chatham Sts., Blue Island, III.
 LAWLER, ROBERT H. (A'52-M'57), Prod. Engr.,
 Burrough's Corp., ElectroData Div., 460 Sierra Madre
 Villa, Pasadena, Calif.

- LAWLES, JOHN H. (M'55), Sales Engr., Electronic Engrg. Co., 4201 Hampton Blvd., Norfolk, Va. LAWLIS, ROBERT L. (A'59), Electronics Officer, USCG Air Detachment, Barbers Point, Oahu, Hawaii. LAWLOR, JOHN A. (S'52-A'53-M'58), Engr., New England Telephone & Telegraph Co., 470 Atlantic Ave., Boston, Mass.

- land Telephone & Telegraph Co., 4/O Atlantic Ave.,
 Boston, Mass.

 LAWLOR, KENNETH A. (S'55-M'58), Electronics Engr.,
 U.S. Naval Ordnance Lab., Corona, Calif.

 LAWLOR, REED C. (SM'52), Patent Atty., 412 W. 6 St.,
 Los Angeles 14, Calif.

 LAWN, FRANCIS (S'49-A'50-M'55), Pres., Lawn Electronics Co., Woodward Rd., English Town, N.J.

 LAWRENCE, ALBERT F., III (S'54-M'55), Designer A.
 Douglas Aircraft Co., El Segundo, Calif.

 LAWRENCE, ARTHUR F. (M'56), Staff Mem., Sandia
 Corn., Sandia Base, Albuquerque, N.M.

 LAWRENCE, BENJAMIN J. (M'52-SM'52), Sect. Supvr.,
 Sandia Corn., Sandia Base, Albuquerque, N.M.

 LAWRENCE, BENJAMIN J. (M'52-N'52), Radio Lab. Technician,
 Class "A." Chryster Missile Div., Army Ballistic Missile
 Arsenal, Huntsville, Ja.

 LAWRENCE, CHARLES W. (S'57-M'59), Instr., Polytechnic Institute of Brooklym, Brooklym, N.Y.

 LAWRENCE, ChANLES W. (S'57-M'59), Project Mgr., IBM,
 Kingston, N.Y.

 LAWRENCE, DANIEL G. (A'52-M'58), Project Mgr., IBM,
 Kingston, N.Y.

 LAWRENCE, DAVID H. (A'52), Mathematician, IBM, Phila
 LAWRENCE, DAVID H. (A'52), Mathematician, IBM, Phila-

- LAWRENCE, DAVID H. (A'52), Mathematician, IBM, Philadelphia, Pa.
- delphia, Pa.
 LAWRENCE, DAVID H. (M'59), Fleld Engr., Gene French
 Co., 120 San Pedro S.E., Albuquerque, N.M. LAWRENCE, EDWARD (A'31-SM'54), Industrial Electronics Consultant, 104 Chislehurst Rd., Orpington, England.
- LAWRENCE, GEORGE (A'48), Project Engr., IBM, Pough-keepsie, N.Y.
- keepsie, N.Y.
 LAWRENCE GEORGE M. (S'46-A'48-M'55), Asst. Dean, College of Engre, Ohio State Univ., Columbus 10, Ohio.
 LAWRENCE, GLENN H. (S'48-A'51-M'56), Sr. Prod. Planning Engr., Head, Custom Prods., Instrumentation Div., Ampex Coro., 934 Charter, Redwood City, Callf.
 LAWRENCE, HARRY M. (SM'59), Special Weapons Program Engr., Naval Weapons Sta., Yorktown, Va.
 LAWRENCE, JAMES F., JR. (SM'55), Project Supvr. The Ralph M. Parsons Co., 151 S. DeLacy Ave., Pasadena, Calif.

- LAWRENCE, JOHN T. (M'46-SM'56), Mgr., Systems Engrg., ITT Labs., Nutley 10, N.J. LAWRENCE, JOSEPH D., JR. (S'51-A'52-M'57), Dev. Engr., Burroughs Corp., Paoli, Pa.
- LAWRENCE, LEONARD J. (A'57), Test Technician, Allied industries, Ltd., 12 Kitchener St., Auckland C.I., New Zealand.
- LAWRENCE, LOUIS J. (A'51), Engrg. Technician, Semi-conductor Components Div., Texas Instruments, Inc., Box 312, Dallas, Tex.
- LAWRENCE, MAYNARD J. (S'42-A'43-M'55), Research Engr., California Research Corp., 576 Standard, Richmond, Calif.

- Calif.

 LAWRENCE, MELVIN M. (M'58), Sr. Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LAWRENCE, NELSON S. (S'42-A'44-M'50), Project Mgr., Link Aviation, Inc., Hillcrest, Binghamton, N.Y.

 LAWRENCE, ROBERT E. (A'52-M'57), Physicist, U.S.

 Naval Dridnance Test Sta., Code 4053, China Lake, Calif.

 LAWRENCE, S. COPELAND (S'35-A'38-M'50), Pres., Electronic Control Corp., 1573 E. Forest, Detroit 7, Mich.

 LAWRENCE, STELLA (M'53-SM'56), Mem., Switching Systems Dev. Dept., Bell Tel. Labs., 463 West St., New York 14, N.Y.

- LAWRENCE, THOMAS B. (M'47), Industrial Electronics, Dev. & Apolication. Box 2509. Beaumont. Tex. LAWRENCE, WALTER A. (A'57), Assoc. Engr., IBM, Kingston. N. Y.
- LAWRENCE, WALTER A. (A'57), Assoc. Engr., IBM, Kinnston, N. Y.

 LAWRENCE, WALTER L. (A'29-VA'39), Defense Electronic Prods., RCA, Moorestown, N. J.

 LAWRENCE, WILLFORD G. (S'54-M'56), Elec. Engr., Bendix Aviation Corp., S. Beiger St., Mishawaka, Ind., LAWRENCE, WILLIAM H. (S'56-M'57), Engro, Research Institute, Univ. of Michigan, Ann Arbor, Mich.

 LAWRENCE, WILLIAM J. (S'56-M'59), 378 Boxwood Lane, Riverton, N.J.

 LAWRENCE, WILLIAM W., JR. (M'57), Staff Engr., Prod. Dev. Lab., IBM, Poughkeepsie, N. Y.

 LAWS LE ROY C. (S'52-A'55), Engr., GE Co., 44 Kneeland Ave., Binghamton, N. Y.

 LAWSINE, LEO (A'35-M'45), Research Specialist, Boeing Airplane Co., Box 3707, Seattle 24, Wash.

 LAWSON, A. ARNOLD (SM'55), Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LAWSON, A. ABROLD (SM'55), Progret Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LAWSON, A. ALER C., (M'57), Burrugh's Corp., Research Center, Paoli, Pa.

 LAWSON, ALLEN C., JR. (A'56), Research Asst., Engrg. Research Institute, Univ. of Michigan, Willow Run Airport, Yosjianti, Mich.

 LAWSON, CHARLES J. V. (M'50), Engr.-in-Chief,

- port, Ypsilamti, Mich.

 LAWS ON, CHARLES J. V. (M'50), Engr.-in-Chief,
 Cable & Wireless, Ltd., Mercury House, Theobalds
 Rd., London W.C. 1, England.

 LAWS ON, EARL R. (A'52-M'57), Sr. Staff Engr.,
 Testing Lab., IBM, Endicott, N.Y.

 LAWS ON, EDWARD J. (S'50-A'51-M'55), Sr. Engr.,
 Electronics Div., Westinghouse Elec. Corp., Box 1897,
 Baltimore 3, Md.
- Battimore 3, Md.
 LAWSON, HARRY W., JR. (S'50-A'51-M'56), Engr.,
 Caledonia Electronics & Transformer Co., Caledonia, N.Y.
 LAWSON, JAMES L. (SM'51), Mgr., Electron Physics
 Research Dept., GE Research Lab., Schenectady, N.Y.
 LAWSON, JOHN B. (A'56), Electronics Engr., Missiles,
 Republic Aviation, 233 Jericho Toke., Mineola, L.I., N.Y. LAWSON, JOHN O. (M'59), Design Engr., RCA, Camden,
- N.J.
 LAWSON, ROBERT G. (A'50), Assoc. Engr., McDonnell
 Aircraft Corp., Box 516, St. Louis 3, Mo.
 LAWSON, ROBERT H. (S'44-A'47), Owner, Lawson Radio
 Service, 843 Dufferin Ave., Wallaceburg, Ont., Canada.
 LAWSON, ROBERT H. (S'53-M'58), Elec. Engr., ITT
 Labs., Nutley 10, N.J.
 LAWSON, SHERMAN A. (A'43-SM'53), Radio Engr.,
 USAF, Wright Air Development Center, Wright-Patterson
 AFB, Ohio.

- Ar B, Unio.

 LAWSON, THOMAS C. (M'57), Engr., Lansdale Tube Co., Church Rd., Lansdale, Pa.

 LAWSON, THOMAS R., JR. (M'56), Dev. Engr., Westinghouse Elec. Corp., 7325 Penn Ave., Pittsburgh 9, Pa.
- Passon Wilmer M., JR. (S'55-M'57), Project Engr., Naval Research Lab., Washington 25, D.C.
 LAWTHER, JAMES M. (A'54), Research Asst., Ordnance Research Lab., University Park, Pa.
 LAWTON, BRYAN (M'58), Electronics Engr., Canadian Marconi Co., Ltd., Box 994, St. John's, Nid., Canada LAWTON, BURTIS E. (S'41-A'46-M'48), Regional Sales Mgr., Allen B. DuMont Labs., Inc., 750 Bloomfield Ave., Clifton, N.J.
 LAWTON, DAVID C. (M'51), Chief Engr., Technology Instrument Com., 531 Main St., Acton, Mass.
 LAWTON, GEORGE P. (SM'57), Mgr., Receiver Dev., Electronic Communications, Inc., 3501 72, N., St. Petersburg 10, Fla.
 LAWTON, HENRY D. (M'55), Sect. Mgr., Westinghouse
- LAWTON, HENRY D. (M'55), Sect. Mgr., Westinghouse Elec. Corp., Friendship Interntl. Airport, Baltimore 27, Md.
- Md.

 LAWTON, JOHN G. (S'48-A'52-M'57), Principal Electronics Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N.Y.

 LAWTON, KENNETH G. (S'54-A'55), U.S. Army, Dugway Proving Grounds, Utah.
- LAWTON, LEWIS M., JR. (A'48-M'54), Mgr., Commercial Avionic Engrg., Genl. Precision Lab., Pleasant-ville, N.Y.
- ville, N.Y.
 LAWTON, ROBERT S. (S'50-A'51-M'56), Design Engr.,
 Defense Electronics Prods., RCA, Camden, N.J.
 LAX, BENNY (A'52), Industrial Salesman, Radio Specialties Co., 456 Charlotte, Detroit I, Mich.
 LAXDALL, DANIEL W. (S'54-M'58), Research Engr.,
 Boeing Airplane Co., Seatkle, Wash
 LAY, CHRIS A. (A'53), Electronics Engr., Autometric
 Corp., 1501 Broadway, New York 36, N.Y.
 LAY, LYNNWODD L. (M'57), Engr., Developmental
 Engrs. Corp., 1000 Connecticut Ave., Washington
 6, D.C.

- 6, D.C.
 LAY, PAUL D. (S'56-M'57), Electronics Engr., Con-vair-Astronautics, San Dlego, Calif.
 LAYCAK, JOHN F. (M'56), Research Engr., Jones & Laughlin Steel Corp., Pittsburgh, Pa.
 LAYCOCK, HARLAND S. (M'56), Maj., USAF, Branch Chief, Aming & Fuzing Branch, Dev. Directorate, Air Force Special Weapons Center, Kirtland AFB, N. M.
- Criter, Admin & Paring Internation, Dev. Directorate, Air Force Special Weapons Center, Kirtland AFB, N. M.

 LAYDEN, EDWARD C. (S'54-M'57), Assoc. Engr., IBM, Poughkeepsie, N. Y.

 LAYDEN, OWEN P. (A'55), Supvy. Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 LAYER, JOHN H. (A'51), Pres., Ceel Engrg. Prods. Co., 2230 Clement Ave., Pennsauken 8, N. J.

 LAYFIELD, LOWDY C. (S'55-M'56), Design & Dev. Engr., Martin Co., Orlando, Fila.

 LAYMEN, ROGER S. (S'58-M'59), Elec. Engr., Boeing Airplane Co., Penton, Wash.

 LAYNOR, JOHN E. (S'54-M'59), Research Engr., MIT Lincoln Lab., Lexington 73, Mass.

 LAYSON, WILLARD L. (A'57), Hoffman Labs., Inc., 3740 S. Hill St., Los Angeles 7, Calif.

 LAYTHE, RAWSON F. (A'52-M'57), Test Engr., Strom-

- AYTHE, RAWSON F. (A'S2-M'57), Test Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester, N. Y. LAYTON, HOWARD M. (M'55), Press, Interlab, Inc., 437 5 Ave., New York 16, N. Y. LAYZEL, LAWRENCE M. (M'49), Overseas Rep., Internatl. Aeradio, Ltd., 40 Park St., London W. I., England.

- LAZAR, EDWARD F. (SM'55), Sperry Gyroscope Co., Great Neck, L.1., N. Y.
 LAZAR, HAROLD (S'55-M'56), Engr., GE Co., Syracuse,

- N. Y.

 LAZARCHIK, ROBERT E. (S'52-A'53-M'58), Engrg. Sect. Head. Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.

 LAZARCH, MIRKO, R. (S'57-A'59), Test Technicain, American Bosch Arma Corp., Garden City, L. I., N. Y.

 LAZARKIS, PETER J. (M'58), Pres., P. J. Engrg. Sales Co., Box 212, Watertown 72, Mass.

 LAZARO, STANLEY A. (A'58), Rte. 5, Box 452-A, Stockton 6, Calif.

 LAZARUS, ABRAM (A'50-M'55), Supvy. Engr., Guidance & Controls, Missiles & Space Div., Lockheed Aircraft Corp., 7701 Woodley Ave., Van Nuys, Calif.

 LAZARUS DAVID H. (5'57-M'58), Engr. Benglis Aviation.

- Corp., //OI Woodfey Ave., Van Nuys, Calif.
 LAZARUS, DAVID H. (5'57-M'58), Engr., Bendix Aviation
 Corp., Ann Arbor, Mich.
 LAZARUS, FERDINAND F. (A'52-M'57), Group Leader,
 Weapon Systems Support Engrg., RCA, Camden 2, N. J.
 LAZARUS, JOHN P. (M'57), Physicist, IBM, Poughkeepsie,
 N. V.
- LAZARUS, JOHN P. (M'57), Physicist, IBM, Poughkeepsie, N. Y.
 LAZECKI, STANISLAW (M'53), Sr. System Engr., Computing Devices of Canada, Box 508, Ottawa, Ont., Canada.

 LA ZELLE, LAWRENCE L. (M'59), Project Engr., Donald C. Harder Co., 3720 Midway Dr., San Diego 10, Calif.

 LAZENBY, THOMAS W. (A'57), Editor, Electronics & Communications Magazine. Age Publication, Ltd., 450
 Alliance Ave., Toronto 9, Ont., Canada.

 LAZICH, B. (A'23-SM'45), Consulting Elec. Engr., 1
 Joel Pl., Port Washington, L.I., N. Y.

 LAZIER, WILBUR A. (A'54), V. P. & Tech. Dir.,
 Sprague Electric Co., North Adams, Mass.

 LAZINSKI, RAYMOND H. (S'50-A'51-M'56), Dir., Research & Dev., Decker Corp., Bala-Cynwyd, P.

 LAZOS, NICHOLAS J. (S'53-A'55), Project Engr., Kearfott Co., Into., 1500 Main Ave., Clifton, N. J.

 LAZOVICK, PAUL B. (S'54-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 LAZUK, ALBERT V. (SW 59), RCA, Box 588, Burling-

- LAZUK, ALBERT V. (SM'59), RCA, Box 588, Burlington, Mass.
- ton, Mass.
 LAZUR, EDWARD (A'54), Chief, Engrg. Support Sect.,
 Comm. & Nav. Lab., Wright Air Development Center,
 Wright-Patterson AFB, Ohio.
 LAZZARINI, RICHARD F. (M'58), 2419 Forest Ave.,
 San Jose, Calif.
- LEA, HENRY D. (A'47-M'55), 205 Main St., Danville,
- Va.

 LEACH, DONALD P. (S'56-M'59), Electronics Engr., Lockheed Missiles & Space Div., Sunnyvale, Calif.

 LEACH, EARL R. (M'58), Field Engr., RCA Internatl.

 Service Corp., Camden 8, N. J.

 LEACH, EDWARD A. (SM'46), V.P., Sangamo Electric Co., 11 St. & Converse Ave., Springfield, III.

 LEACH, FRANK W. (M'58), 117 Laurie Dr., Ft. Walton Beach, Fla.

 LEACH, HARLEY, JR., (M'58), Application Engr., Westinghouse Elec. Corp., Cleveland, Ohio.

 LEACH, HAROLO H. (S'50-A-53), Sr. Engr., Andrew Alford, Consulting Engrs., 299 Atlantic Ave., Boston 10, Mass.

 LEACH, HERBERT L. (S'53-M'56), Electronics Engr.

- 10, Mass.

 LEACH, HERBERT L. (\$'53-M'56), Electronics Engr., RCA, 11800 Olympic Blvd., Los Angeles, Calif.

 LEACH, RALPH E. (M'5B), Elec. Engr., Hughes Aircraft Co., El Segundo, Calif.

 LEADABRAND, RAY L. (\$'49-A'52-M'54). Research Engr., Stanford Research Institute, Menlo Park, Calif.

 LEADBEATER, CHARLES J. (\$'53-A'55), Equipment Engr., Western Electric Co., 99 Church St., New York, N. Y.
- EADLE RAYMOND E. (S'51-A'54-M'59), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 LEADER, ROBERT (A'51), Partner, Paragon Sales Co.,

 111 S. 22 St., Philadelphia 3, Pa.

 LEAHY, EDWARD F. (A'46-M'55), 1149 Greentree Rd.,

 Pittsburgh 20, Pa.
- LEAHY, FRANK N. (A'52), Project Engr., Taag Designs, Inc., College Park. Md.

- LEAHY, FKANK N. (A:52), Project Engr., Taag Designs, inc. College Park, Md.

 LEAHY, GEORGE F. (A'55), Sr. Engr., ITT Labs., Nutley 10, N. J.

 LEAHY, PETER J. (S'53-M'58), Research Engr., Motorola, Inc., 4501 Augusta Blvd., Chicago, Ill.

 LEAHY, ROBERT E. (S'50-A'52-M'57), Engrg. Sect.

 Head, Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 LEAHY, T. DONALD (M'58), Engrg. Leader, RCA Service Co., 1809 Bannard St., Riverton, N. J.

 LEAKE, AUSTIN (S'55-M'58), Engr., Westem Union Telegraph Co., 60 Hudson St., New York 13, N. Y.

 LEAKE, BERNARD W. (M'57), Sr. Engr., Raytheon Mfg. Co., Wayland, Mass.

 LEAL, CARLOS V. (S'53-A'54), Instrumentation Technician, RCA Service Co., Parick AFB, Fla.

 LEAL, JORGE M. (A'57), Engr., Serviso Radio do Exercito (Army), Ministeno Guerra, Rio de Janeiro, Brazil.

 LEAP, GORDON A. (A'41), Principal Engr., Bendix Radio

- (Army), Ministeno Guerra, Rio de Janeiro, Brazil
 LEAP, GORDON A. (A'41), Principal Engr., Bendix Radio
 Div., Towson, Md.
 LEAR, EDWARD F. (A'55), Electronics Technician,
 IBM, Poughkeepsie, N. Y.
 LEAR, WILLIAM E. (S'4B-SM'49), Prof., Elec. Engrg.,
 Univ. of Florida, Gainesville, Fla.
 LEAR, WILLIAM P. (SM'56) Chmn. of Bd., Lear, Inc.,
 3171 S. Bundy Dr., Santa Monica, Calif.
 LEARISH, HARLEY B. (SM'54), Electronics Engr., USAF
 (ATIC), Wright-Paterson AFB, Ohio.
 LEARNARD, HARRY P. (A'50), Field Engr., Raytheon Mfg.
 Co., Waltham 54, Mass.

- Co., Waltham 54, Mass.

 LEARNED, ALLEN J. (A'44-M'4B), Lab. Technician, GE Co., Syracuse, N.Y.

 LEARNED, VINCENT (S'38-A'40-SM'47-F'55), Engrg. Drr., Electronics Tubes, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LEARY, ARTHUR R. J. (M'59), Chief Engr., Rotor Electric Co., Ltd., 195 Rendale Blvd., Toronto, Ont., Canada.

 LEARY, JAMES B. (S'58-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 LEARY, MARIE T. (S'54-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LEARY, REGINALD W. (S'54-M'56), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

LEA-LEE - 263 -

LEATHERMAN, JACK E. (A'55), Test Lab. Engr., Motorola, Inc., 4545 W. Augusta, Chicago, III.
LEAYENS, CARL F. (M'58), 3D Thayer St., Rochester 7,

N.Y.
LEAVENWORTH, ROBERT A. (S'56-M'58), Lt. jg., USN, Nuclear Weapons Training Center Pacific, North Island Naval Air Sta., San Diego, Calif.
LEAVER, ERIC W. (A 43-M'46), Pres., Electronic Associates, Ltd., 4616 Yonge St., Toronto, Ont., Canada.
LEAVITT, BENJAMIN W. (SM'55), Mgr., Tech. Llaison, Research Labs., Sylvania Elec. Prods., Inc., Bayside, L.I., N.Y.

L.I., N.Y.

LEAVITT, GEORGE A. (M'59), Electronics Engr., Univ. of California Radiation Lab., Box 808, Livermore, Calif. LEAVITT, JERRY R. (S'57-M'59), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

LEAVITT, LIONEL E. (S'55-M'57), Design Engr., Ford Instrument Co., 31-1D Thomson Ave., Long Island City 1, N.Y.

N.Y. LEAVITT, RONALD F. (S'49-A'52), Regional Communication Engr., U.S. Forest Service, 710 N. 6 St., Milwaukee 3, Wis.

Wis.
LEAVITT, WILLIAM E. (A'47-M'55), Electronics Scientist,
Naval Research Lab., Washington 25, D.C.
LEAVY, PAUL M., JR. (M'57), Production Engrg., Lab. for
Electronics, 75 Pitts, Boston, Mass.
LEBACQZ, JEAN V. (M'46-SM'55), Sr. Research Assoc.,
Microwave Lab., Stanford Univ., Stanford, Calif.
LEBAIL, PATRICK E. (M'53), Engr., Compagnie
d'Applications & Recherches Atomiques, 45 Ave. Kleber,
Paris 16, France.
LEBAULESTER, DAVID C. (S'57-A'58), Electronics Technician, Genl. Radio Co., Baker Ave., West Concord, Mass.
LEBANOFF, LARRY (S'53-A'54), Elec. Engr., Installations
Engrg. Div., Reese AFB, Lubbock, Tex.
LE BANDR, GEORGE M. (S'56-M'577), Systems Engr.,

Engrg. DIv., Reese ĀF B, Lubbock, Tex.

LE BARON, GEORGE M. (\$'56-M'57), Systems Engr.,

Burroughs Corp., Detroit, Mich.

LE BARON, THEODORE (A'45-M'57), Supvg. Engr., Illinois

Bell Tel. Co., 208 W. Washington St., Chicago 6, Ill.

LE BARRE, S, DAVID (M'56), V.P., K.L.A. Labs., Inc.,

7375 Woodward, Detroit 2, Mich.

LEBOUSKA, ROBERT L. (\$'48-A'50-M'52), Design

Specialist, Convair, 3302 Pacific Hwy., San Diego,

Calif.

Calif.

LEBEL, ARTHUR L. (A'58), Asst. Chief, Telecommunications Div., Dept. of State, Washington, D.C.

LEBEL, C. J. (1'25-A'27-M'42-SM'43), Chief Engr., Audio Instrument Co., Inc., 135 W. 14 St., New York 11, N.Y.

LEBEL, JOHN D. (S'50-A'52-M'55), Assoc. Research Physicist, Schlumberger Research Labs., Old Quarry Rd., Ridgefield, Con.

Conn.
LEBELL, DON (A'49-M'55), Sr. Consultant, Don Lebell & Associates, 15366 Longbow Dr., Sherman Oaks, Calif.
LEBENBAUM, MATTHEW T. (A'42-M'46-SM'47), Dept.
Head, Applied Electronics Dept., Airborne Instrument Lab.,
Mineola, L. I., N.Y.
LEBER, DAVID A. (A'59), Pres., Lekar, 410 Churchill St.,
Rockford, Ill.
FERET, ANDREWW (A'33-JA'30-JA'55), Toch. Series

Rockford, III.

LEBERT, ANDREW W. (A'33-VA'39-M'55), Tech. Staff,
Bell Tel. Labs., Murray Hill, N.J.

LEBID, JACK (A'53-M'58), Electronics Engr., Genl. Precision Lab., Pleasantville, N.Y.

LE BLANC, ROBERT E. (A'57), Patent Lawyer, Diggins & Le
Blanc, 1010 Vermont Ave., N.W., Washington 5, D.C.

LE BLANC, ROGER A. (A'56), Staff Instr., Electronics,
New England Telephone & Telegraph Co., 2 Harrison,
Nashua, N.H.

LE BLANC, ROLAND J. (A '58), TV Technician, Western Ontario Broadcasting Co., 825 Riverside Dr., Windsor, Ont., Canada.

LEBLEBOOJIAN, GERALD (A'54), Dev. Engr., ITT Labs., Nutley 10, N.J.

LEBLOND, ANDRE F. (M'55), Engr., Compagnie Generale de Telegraphie Sans Fil, Domaine de Corbeville, Orsay Seine, Olse, France.

Olse, France.

LEBOWITZ, FREDERICK (S'55-M'57), Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

LEBOWITZ, L. LEE (A'45-M'56), Sales Engr., F.D.

Marcy Associates, 1180 Raymond Blvd., Newark, N.J.

LEBOWITZ, PAUL H. (S'56-A'58), Electronics Technician, Research & Dev., Natl. Bureau of Standards, Washington 25, D.C.

D.C.
LEBOMITZ, ROBERT A. (S'42-A'44-M'55), Sect. Head, Polytechnic Research & Development Co. Inc., 202 Tillary St., Brooklyn 23, N. Y.
LE BRUN, DONALD E. (SM'58), Chief, Single Sideband Sect., USAF Air Research & Development Command, Rome Air Development Center, Rome, N. Y.
LE BRUN, RALPH L. (M'56), Mgr., Tech. Literature, Special Prods. Div., Stromberg-Carlson Co., 140D N.
Goodman St., Rochester 9, N. Y.

Goodman St., Rochester 9, N.Y.
LECHNER, ROBERT J. (S'52-A'54), Sr. Engr., Sylvania
Missile Systems Div., Waltham 7, Mass.
LECHTRECK, LAWRENCE W. (S'48-A'51-M'56), Electronics Engr., McDonnell Aircraft, Box 516, St. Louis
3. Mo.

LECK, DAVID E. (S'52-A'54), Engr., Sperry Gyroscope Co., Great Mock, L.J., N.Y. LE CLAIR, JOHN E. (S'54-M'57), Dev. Engr., GE Co., Syracuse, N.Y.

Syracuse, N.Y.

LECLAIRE, ROGER C. A. (M'58), Prof., Physics, Univ. of Sudbury, Sudbury, Ont., Canada.

LE CLEAR, MELVIN W. (A'54), Design Engr., GE Co., Owensboro, Ky.

LECLERC, JEAN-GUY (A'51), Owner, TV., Radio Clinique, 1320 St. Antolne St. Hyacinthe, P.O., Canada.

LE COCO, VERNE L. (S'54-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

LECRONE, JOHN G. (A'54), Instrumentation Engr., McDonnell Aircraft Corp., Lambert-St. Louis Air-port, St. Louis, Mo.

LECUS, CHARLES M. (A'51), Lab. Supvr., AC Spark Plug Div., GMC, 1925 E. Kenilworth Pl., Milwaukee

Plug Div., GMC, 1925 E. Kenilworth Pl., Milwaukee
1, Wis.
L'ECUYER, PIERRE A. (S'55-M'56), 9940 St. Charles
Ave., Montreal 12, P. Q., Canada.
LEDBETTER, ROBERT P. (M'54), Owner, Ledbetter Lab.,
80x 7344, Oklahoma City 12, Okla.
LEDEREICH, ALEX (S'55-M'56), Electronics Scientist,
New York Naval Shipyard, Brooklyn, N.Y.
LEDERE, EDWIN H. (SM'56), Mechanization Engr.,
GE Co., Syracuse, N.Y.
LEDERER, ERNEST A. ("Y28-SM'43-F'55), Consulting
Engr., Box 162, Essex Fells, N.J.
LEDERHANDLER, SAUL R. (S'50-A'55), Physicist,
RCA, Somerville, N.J.
LEDERMAN, ALBERT (S'46-A'48-SM'55), Electronics Consultant & Rep., 446 Riverside Dr., New York 27, N.Y.
LEDERMAN, SAMUEL (S'51-A'53), Research Group
Leader, Polytechnic Institute of Brooklyn, 527 Atlantic
Ave., Freeport, L.I., N.Y.
LEDFDRD, RAY E., J.R. (A'56), Service Mgr., Mobile
Radio Service Co., 610 S. Akard, Dallas, Tex.
LEDLEY, ROBERT S. (M'58), Asst. Prof., Elec. Engrg.,
George Washington Univ., Washington, D.C.
LEDRAY, WILLIAM (S'56-M'58), Engr., Boeing Airplane Co., Seattle, Wash.
LEE, ALFRED E. (A'53-M'58), Field Engr., Burlingame
Associates, 514 Univ. Bldg., Syracuse, N.Y.

plane Co., Seattle, Wasn. LEE, ALFRED E. (A'53-M'58), Field Engr., Burlingame Associates, 514 Univ. 81dg., Syracuse, N.Y. LEE, ARNOLD ST. J. (M'54-SM'55), Chief Engr., Invengineering, Inc., Box 360, Belmar, N.J.

Invengineering, Inc., Box 360, Belmar, N.J.

LEE, BURTON D. (M'54), Mgr., Exploration Research,
The Texas Co., Box 425, Bellaire, Tex.

LEE, CARL E. (A'43), V.P., & Mng. Dir., Fetzer
Broadcasting Co., 124 W. Michigan Ave., Kalamazoo, Mich.

Zoo, Mich.

LEE, CEDRIC F. (A'57), Publications Engr., Remington Rand Univac, Box 5616, Philadelphia 29, Pa.

LEE, CHARLES B. (M'55), Chief Engr., Eastern Air Devices, Inc., Dover, N.H.

LEE, CHARLES E. (M'59), Aeronautical Research Engr., Army Ballistic Missile Agency, Huntsville, Ala.

LEE, CHARLES K. (M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

LEE, CHIA HUAN (M'57), Engr., Westinghouse Elec. Corp., Choswick, Pa.

LEE, CHI-YUAN (S'47-A'50-M'55), Mem. Tech. Staff, Bal Tel. Labs., Whippamy, N.J.

LEE, CHUNG H. (S'56-M'58), Asst. Prof., College of Engr., Seoul, Natl., Univ., Seoul, Korea.

LEE, CHU-QUON (M'59), Elec_Engr., Admiral Corp.,

Engrg., Seoul Natl. Univ., Seoul, Korea.

LEE, CHU-QUON (M'59), Elec. Engr., Admiral Corp.,
3800 Cortland St., Chicago 47, III.

LEE, CHWAN-CHANG N. (M'57), Electronics Specialist,
Temco Aircraft Corp., Garland, Tex.

LEE, CLAUDIUS (M'54-SM'54), Prof., Elec. Engrg.,
Virginia Polytechnic Institute, Blacksburg, Va.

LEE, CLALEN O. (S'53-A'54), Research Engr., Natl.
Aeronautics & Space Administration, Langley Research
Center, Langley Field, Va.

LEE, DAN Y. (S'54-M'57), Electronics Sciontist, U.S.
Naval Radiological Defense Lab., Code 942B, San
Francisco 24, Calif.

FF. DAVID K. K. (S'56-M'58), Engr., Kellogg Switch-

Francisco 24, Calif. LEE, DAVID K. K. (S'56-M'58), Engr., Kellogo Switch-board & Supply Co., 6000 W. 51 St., Chicago, Ill. LEE, DON H. (S'57-M'59), Assoc. Engr., Douglas Air-craft Co., 3000 Ocean Park Blvd., Samta Monica, Calif. LEE, DON N. (A'53), Sr. Electronics Engr., Telemetering Corp. of America, 8375 Hayvenhurst Ave., Sepulveda,

LEE, DDNALD H. (S'48-A'50-M'55), Electronics Engr., Lewyt Mfg. Corp., 43-22 Queens St. Long Island City 1, N.Y.

LEE, EDGAR M. (SM'52), Mng. Dir. Pres., Belling & Lee, Ltd., Cambridge Arterial Rd., Enfield, Middx., England.

England.

LEE, EDWIN (M'56), Chief Tech. Services Officer, RCAF Sta., Lac St. Denis, P.Q., Canada.

LEE, EDWIN B (M'58), Mem. Tech. Staff, Bel Tel. Labs., Murray Hill, N.J.

LEE, EDWIN K. (S'57-M'57), 5607 S. Wilton Pl., Los Angeles 62, Calif.

LEE, EMERY H. I. (J'15-A'18-M'23-SM'43), Retired, 25 Rosewood Ave., Ormond Beach, Fla.

LEE, EWERTT S. (M'40-SM'43), Retired, 1350 Wendell Ave., Schenectady 8, N.Y.

LEE, EYVINEC C. F. (S'54-M'56), Sr. Engr., Litton Industries, 336 N. Footbill Rd., Beverly Hills, Calif. FE FATT M. (A'54), Flee Engr., Melbar, Inc.

Industries, 336 N. Footnill Rd., Beverly filits, Call LEE, FATT M. (A'54), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. LEE, FRANCIS F. (S'49-A'52-SM'57), Sect. Head, Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia, Pa.

Philadelphia, Pa.

LEE, FRANK (A)57), Supvr., Electronics Engr., Plan
& Operation Div., Communication Liaison Branch, Signal
Office, Presidio of San Francisco, San Francisco, Calif.

LEE, FRANK 8. (\$'49-A'50-SM'56), Mgr., Engro. Research
Dept., Canadian Aviation Electronics, 6214 Cote Deliesse,
Montreal, P. Q., Canada.

LEE, FRANK P., JR. (A'57), Electronics Technician
(Radiac), U.S. Naval Gun Factory, 8 & M Sts., S.E.,
Washington, D.C.

LEE, FRANKLIN G. (A'52-M'56), Sr. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md. LEE, FRED (M'57), Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

Waitham, Mass.
LEE, FREDERICK 8. (S'41-A'44-M'55), Electronics Engr.,
Mare Island Naval Shipyard, Vallejo, Calif.
LEE, FREDERICK N. (A'42), Engr., Applied Physics Lab.,
The Johns Hookins Univ., Silver Spring, Md.
LEE, GEORGE C. (M'57), Electronics Engr., RCA Service
Co., Camden, N.J.

LEE, GEORGE F. (M'46), Electronics Engr., USAF, Hill AF8, Utah; Electronic Engrg. Service, 1436-24 St., Ogden, Utah.

Ogden, Utah.
LEE, GERALD F. (M'57), Assoc. Engr., Sperry Gyroscope
Co., Great Neck, L.I., N.Y.
LEE, GORDON (A'57), Mgr., Rogers Electronic Tubes &
Components Div., Philips Electronic Industries, Ltd., 116
Vanderheff Ave., Toronto 17, Ont., Ganada.

LEE, GORDON M. (A'45-M'55), Secy-Treas. & Tech. Dir., Elec. Engrg., Central Research Labs., Inc., Red Wing, Minn.

MINN.
LEE, HAI-SUP (S'57-M'59), Instr., Elec. Engrg. Dept.,
Pennsylvania State Univ., University Park, Pa.
LEE, HENRY P. (S'52-A'55), Engr., GE Co., 13430 N.
Black Canyon Hwy., Phoenix, Ariz.
LEE, HON C. (S'53-M'55), Engr., RCA, Somerville,
N. J.

LEE, HOWARD E. (A'47-M'50), Mem. Tech. Staff, Space Technology Labs., Inc., Box 950D1, Los Angeles 45,

LEE, HOWARD J. (A'54-M'59), Sr. Electronics Engr., Convair, Pomona, Calif.

LEE, HUA-TUNG (M'46), Research Engr., I8M, Yorktown

Heights, N. Y.
LEE, J. EDWIN (M'56), Electronics Engr., Electronic Engrg.
Lab., Convair, Box 1950, San Diego 12, Calif.

Lab., Convair, Box 1950, San Diego 12, Calif.
LEE, J. MAURICE (A'38-SM'47), Head, Applied Research
for Guidde Missiles (ReSid-2), Bureau of Ordnance, Dept.
of Navy, Washington 25, D. C.
LEE, JAMES H. (S'49-A'53-M'58), Staff Mem., Lincoln
Lab., MIT, Lexington 73, Mass.
LEE, JAMES L. (A'44-M'55), Supt of Communications,
Gulf, Colorado & Santa Fe Railway Co., Box 629, Galveston, Tex.

ston, Tex.

LEE, JOHN M. (A'56-M'57), Asst. to Pres., Electronic Components, Inc., 1974 E. 61 St., Cleveland 3, Ohio.

LEE, JOSEPH A. (A'46), Owner, Joseph A. Lee Technician Service, Radio, TV, & Elec., St. Mary's Park, 97 Aurray St., San Francisco 12, Calif.

St., San Francisco 12, Calif.

LEE, JOSEPH D. (M'57), Sr. Engr., Nuclear Prods., Erco
Div., ACF Industries, Inc., Riverdale, Md.

LEE, KENNETH O. (A'53-M'57), Asst. Sales Mgr., Sperry
Piedmont Co., Rte. 29 & Hydraulic Rd., Charlottesville, Va.

LEE, LAWRENCE E. (S'56-M'59), Mem. Tech. Staff,
Hughes Aircraft Co., El Segundo, Calif.

LEE, LINCOLN H. (S'50-A'51-M'56), Sr. Electronics
Engr., Fairchild Astrionics Div., Wyandanch, L.I., N. Y.

LEE, LOW K. (S'39-A'41-M'48-SM'51), Mgr., Prod.
Engrg., Space Technology Labs., Inc., Box 95001, Los
Angeles 45, Calif.

LEE. MARSHALL (S'55-M'59), 1704 W. North Ave.,

Angeles 45, Calif.
LEE, MARSHALL (5'55-M'59), 1704 W. North Ave.,
Baltimore 17, Md.
LEE, MYRON E. (S'57-M'58), Elec. Engr., Remington
Rand Univac, 1902 W. Minnehaha, St. Paul, Minn.
LEE, PAUL H. (A'42-M'48-SM'52), Cmdr., USNR,
Chief, Evaluation Branch, Systems Planning Div., U. S.
Army Signal Engrg. Agency, Arlington Hall, Va.

Army Signal Engris, Agency, Armitudon nair, Va.

LEE, PHILLIP J. L. (S'56-M'577), Industrial Electronics
Engr., Northern Electric Co., Ltd., Shearer, Montreal,
P.Q., Canada.

LEE, RALPH F. (M'47-SM'56), Chief Engr., KC8D, KC8DTV, Caprock Broadcasting Co., Bryant Radio & TV, Inc.,
Box 1507, Lubbock, Tex.

Box 1507, Lubbock, Tex.
LEE, RALPH L. (\$'50-A'52-M'57), Sr. Electronics Engr.,
Fairchild Astrionics Div., Wyandanch, L. I., N. Y.
LEE, RAY (M'49), Sr. Engr., WestInghouse Elec. Corp.,
8ox 1897, Baltimore, Md.
LEE, RAY H. (M'56), Chief, Mathematics, Autometric Corp.,
15D1 Broadway, New York 36, N. Y.
LEE, RAYBURN H. (M'59), Test Engr., Chrysler Corp.,
Huntsville, Ala.

Huntsville, Ala.

LEE, RAYMOND F. (S'53-A'54-M'59), Engr., Westinghouse Elec. Corp., Friendship Internall. Airport, 8altimore 27, Md.

27, Md.

LEE, REUBEN (A'32-SM'45-F'54), Consulting Engr.,

Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

LEE, RICHARD C. (S'55-M'57), Research Asst., MIT,

Cambridge 39, Mass.

LEE, RICHARD E. (S'48-A'51-M'53-SM'56), Mgr., Cir
cuit Dev. Branch, Texas Instruments, Inc., Semiconductor

components Div., Box 312, Dallas, Tex.

components Div., Box 312, Dallas, Tex.

LEE, RICHARD E. (A'56), Systems Engr., Northrop
Aircraft, Inc., Hawthome, Calif.

LEE, RICHARD H. (S'48-A'50-M'55-SM'56), Electronics
Suot., USN, Philadelphia Naval Shipyard, Philadelphia,
Pa.

ra.

LEE, RICHARD L. (A'51-M'54), MA-1 Project Mngt.,
Hughes Aircraft Co., Culver City, Calif.

LEE, RICHARD W. (SM'51), V.P., Genl. Precision Lab.,
Inc., 63 Bedford Rd., Pleasantiville, N.Y.

LEE, ROBERT A. (S'49-A'51-M'58), Chief TV Engr.,
Friez Instrument Div., Bendix Aviation Corp., Baltimore
4. Md.

4, Md.
LEE, ROBERT E., JR. (M'57), Elec. Engr., S. S. Lee
Associates, 8ox 906, Winston-Salem, N.C.
LEE, ROBERT F. (S'58-A'59), Tech. Aide, Bell Tel.
Labs., Murray Hill, N.J.
LEE, ROBERT J. (A'51), Electronics Engr., Microwave
Enorg. Labs., Inc., 943 Industrial Ave., Palo Alto, Calif.

Engra. Labs., inc., 943 industrial Ave., Palo Alto, Calif.
LEE, ROBERT W. (M'55), Supry. Engr., Bendix Computer
Div., 5630 Arbor Vitae St., Los Angeles, Calif.
LEE, ROBERT W. (A'53), Instr., Electronics, USN, San
Francisco Naval Shipyard, San Francisco, Calif.
LEE, ROY E. (M'58), Regional Sales Engr., Lansdale
Tube Co., 1100 Merchandise Mart Plaza, Chicago, III.
LEE, ROY G. (S'54-M'58), Electronics Engr., Ryan
Electronics Div., 5650 Keamey Mess Rd., San Diego,
LEE, ROY T. S. (A'50), Electronics Engr., USN Shipyard,
Pearl Harbor, Hawaii.
LEE. S. FRASER (M'56), Plant Extension Engr.,

Pearl Harbor, Hawaii.

LEE, S. FRASER (M'56), Plant Extension Engt,
Saskatchewan Govt. Telephones, 2350 Albert St.,
Regina, Sask., Canada.

LEE, SEOK W. (M'59), Jr. Engr., Lab. for Electronics,
Inc., 75 Pitts St., Boston, Mass.

LEE, STANLEY (S'50-A'52-M'156), Asst. Engr., Lenkurt
Electric Co., 1105 County Rd., San Carlos, Calif.

LEE, TAKY, (S'51-M'59), 157 Argyle St., Kowloon,
Hong Kong.

Hong Kong.

LEE, THOMAS (A'58), Sr. Technician, Airtron, Inc.,
Hanover Ave., Morris Plains, N.J.

LEE, THOMAS J. (S"57-M"59), 199 Deleware Ave.,
Jersey City 6, N.J.

LEE, TREVOR C. (M'57), Sqdn. Leader, RAAF, 28
Eagan Ave., Langley AF8, Hampton, Va.

LEE, TSZE K. (A'53-M'58), Sr. Electronics Engr., W. L.
Maxson Co., 460 W, 34 St., New York, N.Y.

LEE, VICTOR C. (A'58), Mgr., Components Sales, Ad.

Auriema, Inc., 85 Broad St., Mew York 4, N.Y.

- IFF-IFI
- LEE, VIRGINIA C. (A'49-M'55), Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y. LEE, WAH (A'56), 1036a Jackson St., San Francisco, Calif.
- LEE, WILFRED K. F. (S'55-M'57), Sr. Test Engr., Hamilton Standard Div., United Aircraft Corp., Windsor Locks, Conn.
- LEE, WILLIAM (A'57), 4932 S. Forrestville Ave., Chicago 15, III.
- LEE, WILLIAM (A'50), Chief Electronics Engr., Esco Electronics, Inc., 901 W. Huron St., Chicago 22, III. LEE, WILLIAM (M'50), Chief, Communication Branch Office of Deputy Commander, Alaska Communication System, Box 219, Anchorage, Alaska.
- LEE, WILLIAM C. (S'57-A'58), Jr., Engr., Goodyear Alr-craft Co., Akron, Ohlo. LEE, WILLIAM M. (M'54), Radio Engr., Commonwealth of Virginia, Dept. of State Police, Box 1299, Richmond 10, Va.
- LEE, WILLIAM M. (M'54), Radio Engr., Commonwealth of Virginia, Dept. of State Police, Box 1299, Richmond 10, Va.

 LEE, WILLIAM S. (A'47-M'55), Electronics Scientist, U. S. Naval Air Development Center, Johnsville, Pa.

 LEE, WILLIAM W. (A'59), Sr. Engr., Technician, Kellog Switchboard & Supply Co., 6000 W. 51 St., Chicago, III.

 LEE, WILLIAM W. (A'59), Sr. Engr., Technician, Kellog Switchboard & Supply Co., 6000 W. 51 St., Chicago, III.

 LEE, WILLIS L. (M'54), Design Specialist, Tektronix, Inc., Box 831, Portland 7, Ore.

 LEE, Y. W. (SM'55), Assoc. Prof., Elec. Engr., MIT, Cambridge 39, Mass.

 LEECH, EDWARD R. (A'52-M'57), Elec. Engr., Spokane, Portland & Seattle Railway, Portland, Ore.

 LEECING, ROY W. (A'50), Owner-Operator, Roy W. Leecling-Transformers, 2145 Perkins Way, Sacramento, Calif. LEED, ANIEL (SM'53), Supur, Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 LEEDER, HARRY A., JR, (S'47-M'52), Mgr., Designs & Assemblies Co., Box 121, Skaneateles, N.Y.

 LEEDER, JACOB (A'54), Research Physicist, Ballistic Research Lab., Aberdeen Proving Ground, Md.

 LEEDER, W. FRANCIS (A'56), Owner, Leeder Television Service Centre, RR 3, Brockville, Ont., Canada.

 LEEDHAM, ROBBIN K. (S'55-M'58), Jr. Engr., Sparton Electronics, 2400 E. Ganson, Jackson, Mich.

 LEEDDM, JOHN N. (S'43-A'44-M'49), Pes., Wholesale Electronic Supply, 2800 Ross Ave., Dallas 2, Tex.

 LEEDS, GERARD G. (A'54), Owner & Mgr., Gerard G. Leeds Co., Inc., Mfg. Rep., 12 Crampton Lane, Great Neck, L.I., N.Y.

 LEEDS, J. VENN, JR, (S'54-M'56), Assoc, Engr., Westinghouse Elect. Corp., Bettle Atomic Power Div.

 Westinghouse Elect. Corp., Bettls Atomic Power Div.

 Westinghouse Elect. Corp., Bettls Atomic Power Div.

 Westinghouse Elect. Corp., Bettls Atomic Power Div.

 Westinghouse Elect. Corp. Bettls Atomic Power Div.

- LEEDS, J. VENN, JR. (S'54-M'56), Assoc. Engr., Westinghouse Elec. Corp., Bettis Atomic Power Div., Pittsburgh, Pa.
- LEEDS, LAURANCE M. (A'30-M'40-SM'43-F'57), Con-sulting Engr. (Electronics), GE Co., Syracuse, N.Y. LEEDS, MYRON (A'53-M'58), Project Engr., Stavid Engrg. Co. Rtc. 22, North Plainfield, N.J.
- LEEDY, CARROL A. (475-M/58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. LEEDY, HALDON A. (SM'46), V.P. & Dir., Armour Research Foundation of Illinois Institute of Technology, 10 W. 35 St., Chicago 16, III.
- W. 35 St., Chicago 16, III.

 EEEF, G. ROBERT (S. '42-A'45-M'55), Project Engr.,

 ITT Labs., Nutley 10, N. J.

 LEEKING, AVON M. (S'51-A'52-M'56), Sr. Engr., Litton
 Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 LEEMAN, ALVIN (J'27-A'28-VA'39-M'53), Chief Engr.,

 WK8H-WKBT, WK8H, Inc., 6 & Kings St., LaCrosse,

 Wis.
- LEEMON, W. (A'45), Engr., Ohio Bell Tel. Co., 700
 Prospect Ave., Cleveland 15, Ohio.
 LEES, ALAN 8. (M'57), Mem. Tech. Staff, Systems Labs.
 Corp., 14852 Ventura Blvd., Sherman Oaks, Calif.
 LEES, JAMES W., JR. (S'52-A'54), Research Engr.,
 Instrument Development Labs., Inc., 67 Mechanic St.,
 Attleboro, Mass.
- Attleboro, Mass.
 LEES, KENNETH C. (A'55), Canadian Aviation Electronics, Ltd., 8ox 2030, Sta. "0," Montreal 9, P.O., Canada.
 LEES, RAYMOND E. (S'50-A'51-M'57), Sr. Engr., Westinghouse Elec. Corp., 8ox 1897, Baltimore 7, Md.
- LEESON, FRED D. (M'58), Dev. Engr., Sperry Gyroscope Co. of Canada, Ltd., Box 710. Montreal. P.O.. Canada LEFCZIK, STEPHEN W. (A'56), Jr. Engr., Radio Con-denser Co., Davis & Copewood Sts., Camden 3, N.J.
- denser Co., Davis & Copewood Sts., Lamden J, N.J. LE FEBRE, DON C. (A'55), Sr. Engrg. Writer, Electroni Div., Westinghouse Elec. Corp., 8ox 1897, Baltimore

- Dev., Westinghouse Elec. Corp., 80x 1897, Baltimore 3, Mal. Service Hi-Fi, 325 1st Ave., New York 3, N.Y. & Kole TV. 29 Ave. D., New York 1, N.Y. & Kole TV. 29 Ave. D., New York 1, N.Y. & Kole TV. 29 Ave. D., New York 1, N.Y. & Kole TV. 29 Ave. D., New York 3, N.Y. & Kole TV. 29 Ave. D., New York 1, N.Y. & Kole TV. 29 Ave. D., New York 3, N.Y. & Kole TV. 29 Ave. D., New York 1, N.Y. & Kole TV. 29 Ave. D., New York 3, N.Y. & Kole TV. 29 Ave. D., New York 3, N.Y. & Kole TV. 29 Ave. D., New York 1, N.Y. & Kole TV. & Kole TV.

- LEFKOWITZ, HOWARD (S'51-A'54-M'56), Electronics Engr., Naval Ordnance Lab., White Oak, Silver Spring, Md.

LEFLANG, WILLIAM G. (M'58), Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif. LEFTHERIS, JOHN P. (S'55-M'56), Engr., The Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal, P.Q., Canada.

- 264 -

- LEFTWICH, LINWOOD L. (M'47), Guided Missile Instrumentation, Avionics Div., Bureau of Aeronautics, Navy Dept., Washington 25, D.C.

- tation, Avionics Div., Bureau of Áeronautics, Navy Dept., Washington 25, D.C.
 LEFTWICH, RICHARD F. (4'50-M'58), Asst. Chief Engr., Bames Engrs. Co., Stamford, Conn.
 LEGARE, GABRIEL (S'55-A'57), Flectronic Technician, Canadian Armament Research & Development Est., Valcarlier, P.Q., Canadia.
 LE GARE, JOHN M. (SM'57), Systems Analysis Engr., Martin Co., Orlando, Fla.
 LEGAULT, EDGAR G. (M'54), Engr., Radio Engre, Prods., Ltd., Internati. Aviation Bidg., Montreal, P.Q., Canada.
 LEGE, ALBERT C. (S'57-M'57), Training Engr., GE
 Co., Utica, N.Y.
 LEGEDZA, ZENON (M'58), Mem. Tech. Staff, Bell Tel.
 Labs., 463 West St., New York 14, N.Y.
 LEGENDER, HERBERT P. (S'55-M'58), Electronics Engr.,
 Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.
 LEGENDRE, VICTOR (M'53), Chief Engr., Storage Tubes,
 ITT Components Div., 7635 Plantation Rd., Roanoke, Va.
 LEGER, PRESTON P. (A'58), 725 Whitney Ave., Albany,
 G.
- LEGER, ROBERT M. (A'44-SM'53), Chief, Flight Per-formance & Analysis, Convair-Astronautics, San Diego, Calif.
- LE GETTE, JAMES L. (S'50-A'51-M'56), Lead Systems Design Engr., Chance-Vought Aircraft, Inc., Dallas, Tex. LE GETTE, MARVIN A. (A'55), Application Engr., Con-solidated Electrodynamics Corp., 300 N. Sierra Madre Villa, Pasadena, Calif.
- Virid , Pasageria , Calif.
 LEGG, HAROLD F. (A'56), Transmitter Technician , The Tribune Co. , 905 Jackson St. , Tampa , Fla.
 LEGGATT, GEORGE E. (A'51), Instr. Electronics , Electronics
- 1, Mich.

 LEGGE, ROBERT B. (S'57-M'59), Test Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 LEGGETT, ASHLEY G., JR. (S'54-M'58), 1529 E. 35 St., Savannah, Ga.

 LEGGETT, DONALD A. (M'54), Engrg. Rep., Randolph Engrs. Corp., 736 Santa Anita St., San Gabriel, Calif.

 LEGGETT, EDGARP. (S'48-A'52-M'57), 330 E. Broad St., Westfield, N.J.

- St., Westfield, N. J.

 LEGGIERE, DANIEL D. (A'53-M'59), Electronics Engr.,
 Kirk Engry. Co., Juniper St., Philadelphia, Pa.

 LEGGIO, JAMES (SM'52), Project Engr., Fairchild Camera
 & Instrument Corp., 5 Aerial Way, Syosset, L.I., N.Y.

 LEGLER, HARRY E. (4'55), Mgr., Electronic Service, 304

 Miami St., Hiawatha, Kan.

 LE GRAND A., JOHN (S'54-A'54), Elec. Engr., Canadian

 Westinghouse Co., Longwood Rd., Hamilton, Ont., Canada.

 LE GRAND, C. CROXALL (A'47-M'55), Sr. Mem. Tech.

 Staff, Hughes Aircraft Co., Culver City, Calif.

 LE GRAND, HARRY R. (A'52-M'55), Sr. Engr., Instrumentation Div., Radiation, Inc. 501 Commonwealth Ave., Orlando,
 Fla.

- tion DIV., Radiation, Inc. 301 Lommonwealth Ave., Urlamo Fia.

 LE GRAND, JESSE S. (A'38-VA'39-M'55), Exec. Engr., ITT Labs., Nutley 10, N.J.

 LE GUILLOU, JOHN L. (S'58-M'59), Field Rep., Federal Electric Corn., Paramus, N.J.

 LEHAN, FRANK W. (S'41-A'46-SM'52), V.P., Space Electronics Corp., 1200 Air Way, Glendale 1, Callf.

 LEHDE, PENDLETON E. (A'14-F'27)(L), Pres. & Elec. Engr., Electron Equipment Co., Inc., Pres., Pendleton Terminal Corp., Pres., Tidewater Terminal Co., Inc., 1050 Constance St., New Orlenas 13, La.

 LEHFELD T, HENRY J, (A'53), Pres., Research & Design Co., Box 412, Riverside Sta., Miaml 35, Fla.

 LEHMAN, DOUGLAS R. (A'57), Installation Engr., Remington Rand Univac, 625 N. Broadway, Milwaukee, Wis.

 LEHMAN, GLENN C. (A'55), Engr., ITT Labs., Nutley 10, N.J.

- N.J.
 LEHMAN, HARRY W. (A'48-M'53-SM'57), Design Engr.,
 Collins Radio Co.. Cedar Radids. lowa
 LEHMAN, JACK E. (M'57), Supvy. Electronics Engr.,
 N.S.A. Dept. of Defense, Washington 25, D.C.
 LEHMAN, MANFRED (M'57), Sr. Research Engr., Ministry
 of Defence, Scientific Dept., Box 7063, Hakirya, TelAviv, Israe!
 LEHMAN, MERLE L. (M'58), Project Engr., HMED, GE Co.,
 Utica, N.Y.

- Utlca, N.Y.
 LEHMAN, RICHARD H. (S'48-A'50-M'58), Elec. Engr.,
 Baldwin Plano Co., 1801 Gilbert Ave., Cincinnati, Ohio
 LEHMAN, WALTER (S'48-A'52-M'57), Staff Mem., Genl.
 Precision Lab.. Inc., 63 Bedford Rd., Pleasantville, N.Y.
 LEHMANN, GERARD J. (SM'44), Dir., Research, Compagnie
 Generale d'Electricite, Genl. Mgr. & Dir., Societé des
 Servomecanismes Electroniques, Iter rue Chanez, Paris 16,
 France
- France
 LEHMANN, WALTER K. (A'58), Design & Dev. Engr.,
 N. V. Fokker, Schiphol-Zuid, Amsterdam, Netherlands.
 LEHNER, LEO L. (M'55), Project Engr., Bendix Aviation
 Corp., Hwy. 35, Eatontown, N.J.
 LEHNERT, WALTER E. (A'41-M'55), Pres. Audio Development Co., 2833 13 Ave., S. Minneapolis 7, Minn.
 LEHNHOFF, RAYMONO G. (A'22-M'46)(L.), Chief Counseling Sect., Veterans Administration, 209 E. 6 St.,
 Clncinnati 2, Ohio

 LEHNHOF KIETT (SAMIS)-EISA) Head Decayth Sect.

- LEHOVEC, KURT (SM'52-F'56), Head, Research Sect., Sprague Electric Co., Marshall St., North Adams, Mass. LEHR, CARLTON G. (M'47-SM'56), Mgr., Microwave Tube Group, Research Oiv., Raytheon Mfg. Co., Waltham 54,
- LEHR, OWEN A. (A'40), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C. LEHR, PHILIP N. (A'42-SM'48), V.P., Engrg. & Research, Dictograph Prods. Corp., 95-25 149 St., Jamacia 1, L.I., N.Y.
- N.Y.

 LEHR, SAMUEL N. (SM'58), Dev. Engr., Space Technology
 Labs., Box 95001, Los Angeles 45, Calif.

 LEHR, STANLEY (A'56), Staff Mem., Genl. Precision Lab.,
 63 Bedford Rd., Pleasantville. N.Y.

 LEHRER, NORMAN H. (M'58), Research Engr., Mem. Tech.

 Staff, Hughes Aircraft Co., Culver City, Calif.

- LEHTONE, LLOYD L. (A'52), Research Engr., Boeing Airplane Co., Seattle 88, Wash LEHTONEN, EINO W. (A'52-M'57), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- LEHTONEN, RAY (M'59), Project Engr., IBM, Poughkeepsie,

- LEHTONEN, RAY (M'59), Project Engr., IBM, Poughkeepsie, N.Y.
 LEIB, FRANCIS E. (A'51-M'56), Mgr., Sales, Copperweld Steel Co., Glassport, Pa.
 LEIB, KENNETH G. (A'53-M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 LEIBFRIED, THEODORE F., JR. (A'54). Sales Engr., Sylvania Elec. Prods., Inc., Teterboro, N.J.
 LEIBFRIED, WARREN P. (S'56-M'57), Design Engr., RCA, Moorestown, N.J.
 LEIBHOLZ, STEPHEN W. (A'55), Principal Systems Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y.
 LEIBMAN, MILFORD H. (S'46-A'48-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 LEIBOLD, FORREST H. (S'53-A'54), Radio & TV Operating Technician, KCMO-TV, 125 E. 31 St., Kansas City, Mo.
 LEIBOVITZ, PAUL T. (M'56), Project Engr., Electronic Components, U.S. Army Signal Supply Agency, 225 S. 18 St., Philadelphia 3, Pa.
 LEIBOWITZ, BERNARD (M'56), Project Engr., Polarad
- St., Miladelphia 3, Pa.

 LEIBOWITZ, BERNARD (M'56), Project Engr., Polarad Electronics Com., 43-20 34 St., Long Island City, N.Y.

 LEIBOWITZ, MICHAEL R. (M'57), Microwave Engr., Defense Electronic Prods., RCA, 75 Varick St., New York 13, N.Y.

 LEIBOWITZ, RALPH C. (S'47-A'49-M'55), Supry. Physicist, Head, Analysis Sect., David Taylor Model Basin, Washington, D.C.
- D.C.
 LEIBOWITZ, SOL (A'48-M'55), Pres., Electronic Engrg.
 Co., 362 W. Bowery St., Akron 7, Ohio.
 LEICESTER, JOHN F., III (S'43-A'45-M'55), Asst.
 Project Engr., Litton Industries, 336 N. Foothill Rd.,
 Beverly Hills, Calif.

- Beverly Hills, Call II.

 LEICHNER, GENE H. (S'51-A'52-M'56), Asst. Prof., Elec. Engrg., Univ. of Illinois, Urbana, III.

 LEICHTMAN, JOSEPH A. (A'56), Research & Dev. Engr., American Bosch Arma Corp., Garden (It), L.I., N.V.

 LEIDY, HAROLD W. (A'55), Mech. Dev. Engr., RCA, Camden, N.J.

 LEIDY, KENNETH L. (S'50-A'51-M'57), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 LEIFER, JOSEPH C. (SM'58), 328 Cree Dr., Forest Hgts., Washington 21, D.C.

 LEIFER, MEYER (A'46-M'48-SM'50-F'55), Mgr., Special Tube Operations, Sylvania Elec. Prods., Inc., Mountain View, Calif.

 LEIFER, MITCHELL S. (S'57-M'59), Asst. Project Engr.

- Mountain View, Calif.

 LEIFER, MITCHELL S. (S'57-M'59), Asst. Project Engr.,
 Bendix Radio Corp., Baltimore 4, Md.

 LEIFESTE, KENNETH W. (S'57-M'59), Elec. Research
 Engr., No. Amer. Aviation, Inc., Downey, Calif.

 LEIGHOU, ROBERT O. (M'55), Design Specialist, Communications & Radar Sect., Martin Co., Box 179, Denver
- LEIGHT, JEROME (S'51-A'51-M'56), Sr. Systems Engr., Arma Div., American Bosch Arma Corp., Garden City, L.!., N.Y.
- LEIGHTNER, ROBERT A. (S'57-M'58), Jr. Engr., IBM, Owego, N.Y.
- Owego, N.Y., LEIGHTON, CLIFFORD P. (S'49-A'50-M'56), Supvr., Electronics Lab., Boeing Airplane Co., Wichita, Kan. LEIGHTON, HERNDON W. (A'44-M'55), Engro. Administra-tion, Allen B. DuMont Labs., Inc., 34 Glen Ridge Pkwy., Montclair, N.J.
- LEIMER, JOHN J. (S'51-A'53-M'58), Electronics Engr., IBM, Endicott, N.Y.
 LEINBACH, HAROLD (M'57), Box 501, College, Alaska.
 LEINBACH, HENRY J., JR. (S'47-A'49-M'55), Physicist, Rome Air Development Certer, Griffiss AF8, N.Y.
- Kolme All Development Centers, Griffits AF8, N.Y.

 EINER, ALAN L. (M'54), Chief, Digital Systems Sect.
 of Data-Processing Systems Div., Natl. Bureau of Standards,
 Washington 25, D.E.

 EINER, FREDERIC C. (S'48-A'51), Supvr. of Industrial
 Economics, Armour Research Foundation, 10 W. 35th St.,
 Chicago 16, [II.

- Economics, Armour Research Foundation, 10 W. 35th St., Chicago 16, III.

 ELINFELDER, EDWARD J. (S'50-A'51), Lead Weapon System Engr., Chance-Vought Aircraft, Dallas, Tex.

 LEINKRAM, CHARLES Z. (M'56), Project Engr., Bendix Aviation, Westwood Ave., Long Branch, N.J.

 LEINS, FRANK R. (M'55), Chief Engr., KPAC-TV, Box 1059, Port Arthur, Tex.

 LEINWAND, JACK J. (S'55-M'57), Engr., Canadair, Ltd., Montreal, P. Q., Canada.

 LEINWEBER, LELAND F. (S'51-A'52-M'57), Electronics Engr., Ge Co., Syracuse 1, N.Y.

 LEIPER, JOSEPH H. (M'56), Mgr., Raytheon Mfg. Co., Box 949, Oxnard, Calif.

 LEIPHART, J. PLUMER C. (A'48-M'55), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 LEIPOLD, WAYNEH H. (S'58-M'59), Elec. Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 217, N.Y.

 LEIRNER, ADOLFOA. (S'50-M'55-M'57), Msr., Institute Tecnologico de Aeronautica, S. Jose dos Campos, Brazil.

 LEIS, WALTER S. (S'50-A'51-M'57), Mem. Tech. Staff, RCA Labs., 140 Lake Ave., Riverhead, L.I., N.Y.

 LEISENRING, JAMES G. (S'52-A'54), Functional Engr., GE Co., 3198 Chestrus St., Philadelphia, Pa.

 LEISH, JERALD (S'52-A'54-M'59), Aero Research Engr., Naval Missile Center, Point Mugu, Calif.

 LEIS, WILLIAM J. (M'54-SM'57), Asst. Prof., Engr., Research Ordnance Research Lab., Box 30, State College, Pa.

 LEIST, LOWELL G. (A'31-M'46), 1124 12 St., N.W. Carnton 3, Ohio.
- Canton 3, Ohio.

 LEISTER, ROBERT E. (SM'56), Sr. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 LEISZ, GEORGE W. (SM'55), Project Engr., No. Amer. Aviation, Downey, Calif.

 LEITCH, DONALD H. (A'51), Natl. Accounts Rep., Canadian Motorola Electronics, Ltd., 7365 Mountain Sights, Montreal, P. Q., Canada.

 LEITCH, JAMES G. (A'55-M'58), Asst. Regional Radio Aids Engr., Dept. of Transport, Federal Bido., Edmonton, Alta., Canada.
- ELITCH, JOHN G. (M'36-SM'43), Dir., Engrg., WCAU Stations, City & Monument Aves., Philadelphia 31, Pa.
 LEITCH, WILLIAM S. (SM'53), Chief Electronics Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

LEI-LER - 265 -

- LEITE, ALF N. (A'57), Power Supvr., Canadian Aviation Electronics, Ltd., Winnipeg 4, Man., Canada.

 LEITE, ROBERT C. (A'49-M'57), Factory Engr., Philco Coro., W. Monroe St., Sandusky, Ohio.

 LEITER, WAYNE R. (A'56), Equipment Maint., AT & T Co., 2230 S. 1st St., Lamesa, Tex.

 LEITICH, ALBERT J. (S'56-M'57), Dev. Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.

 LEITING, MELVIN C. (A'57), Electronic Technician, Hunter M'9. Co., 108 N. Linn St., lowa City, lowa.

 LEITMA, GUNNAR (S'55-A'58), Sr. Technician, Rixon Electronics, Inc., 2414 Reedie Dr., Silver Spring, Md.

 LEITNER, MILTON (S'54-A'57), Design Engrg. Technician, GE Co., 40 Federal St., Lynn, Mass.

 LEITNER, PAUL R. (M'58), Test Flec. Engr., Convair-Astronautics, San Diego 12, Calif.

- LETINER, PAUL R. (M. 1966), less fiece. Engir., Convair-Astronautics, San Diego 12, Calif.

 LETINER, RICHARD G. (SM'55), Staff Engr., System Development Corp., 2500 Colorado St., Santa Monica, Calif.

 LETINER, ROBERT T. (A'52-M'56), V.P.-in-Chg, Engro., Technical Appliance Corp., 1 Taco Ave., Sherburne, N.Y.

 LEKVEN, CARL M. (M'58), Engr., Librascope, Inc., 808 Western Ave., Glendale, Calif.

 LE LACHEUR, ROBERT M. (M'56), Western Electric Co., Marion & Vine Sts., Laureldale, Pa.

 LELANO, HAROLD E. (A'55), Research Engr., G. H.

 Letand, Inc., 123 Webster St., Dayton, Ohlo.

 LELAND, ROBERT D. (S'55-M'58), Instr., Wayne State Univ., Detroit, Mich.

 LEM, HONG N. (A'58), Project Engr., Hughes Aircraft Co., Box 90426, Airport Sta., Los Angeles 45, Calif.

 LEMACK, ALVIN G. (M'58), Engr., Sylvania Elec. Prods., Inc., Needham, Mass.

- LEMANCZYK, JOHN C. (S'3-M'57), Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

 LEMANCZYK, JOHN C. (S'53-M'57), Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

 LEMANSKI, ALBERT B. (S'58-M'58), Elec. Engr., Scranton Corp., 517 W. Walnut St., Oglesby, III.

 LEMASTER, STAN W. (M'56), Design Engr., GE Co., Owensboro, Ky.

 LEMASTER, WADE H. (M'56), Electronics Engr., GE Co., 316 E. 9 St., Owensboro, Ky.

 LE MAY, CHARLOTTE Z. (SM'58), Physicist, Westinghouse Elec. Corp., 7325 Penn Ave., Pittsburgh 8, Pa.

 LEMAY, ROBERT B. (S'56-M'56), Defense Scientific Service Officer, Defense Research Board, Carlier Sq., Ottawa, Ont., Canada.

 LEMBERG, ARTHUR E. (M'59), Elec. Engr., RCA.

- Service Officer, Defense Research Board, Carrier Sq.,
 Ottawa, ont., Canada.

 LEMBERG, ARTHUR E., (M*59), Elec., Engr., RCA,
 Camden 2, N.J.,

 LEMBERGER, SAM (M*58), Project Engr., Telephonics Corp.,
 Park Ave., Huntington, L.I., N.Y.,

 LEMBERGER, SAM (M*58), Project Engr., Telephonics Corp.,
 Park Ave., Huntington, L.I., N.Y.,

 LEMBERGER, SAM (M*58), Flectronics Engr., Bendix
 Aviation Corp., 9500 Troost St., Kansas City 41, Mo.

 LEMESTRE, RAYMOND J. (S*56-M*57), Engr., RCA, 744

 8road St., Newark, N.J.

 LEMETTER, RAYMOND J. (S*56-M*57), Engr., Societe
 des Fonderies de Pont a Mousson, Pont a Mousson, Meurthe
 et Moselle, France.

 LEMING, JOHN G. (A*47-M*55), Mgr., Radar Dev. Lab.,
 Bell Aircraft Corp., 8 ox 1, 8 Uffalo 5, N.Y.

 LEMING, THOMAS L. (A*53-M*58), Dir., Systems Div.,
 Collins Radio Co., 1937 Irving Bild., Dallas, Tex.

 LEMKE, REPVIN F. (M*54), Chief Tech. Services Officer,
 RCAF, RCAF Sta., Foymount, Ont., Canada.

 LEMKK, RAY L. (S*58-A*58), lonosph. Sta., Dept. of Trans.,
 Resolute Bay, N.W.T., Eastern Arct., Pat., Ottawa, Ont.,
 Canada.

 LEMKIN, HAROLD J. (A*57), Engrg. Personnel Consultant,

- Canada.

 LEMKIN, HAROLD J. (A'57), Engrg. Personnel Consultant, Snelling & Snelling, 114 State St., Bridgeport, Conn.

 LEMLEY, LEO W. (S'55-M'57), Sr., Physicist, Haller, Raymond & Brown, Inc., State College, Pa.

 LEMLY, FREDERICK W. (A'54), Mgr., Styroflex Sales, Phelps Dodge Copper Prods. Corp., 300 Park Ave., New York 22, N.Y.

 LEMM, ROBERT S. (M'57), Mgr., Electronics & Standards Deot., Sandia Corp., Sandia Base, Albuquerque, N.M.

- Dept., Sandia Corp., Sandia Base, Albuquerque, N. M.

 LEMMEN, ROBERT M. (S'52-M'55), Supvy. Electronics
 Scientist, WCLJR, Wright Air Development Center, WrightPatterson AFB, Ohio.

 LEMMON, WALTER S. (A'45-SM'45), Pres., Radio
 Industries Corp., 1 E. 57 St., New York 22, N.Y.

 LEMMOND, CHARLES O. (A'46-M'55), Mgr., Particle &
 Wave Optics, GE Co., Schenectady 5, N.Y.

 LEMNIOS, WILLIAM Z. (S'49-A'49-M'55-SM'59), Physicist, Lincoln Lab., MIT, Lexington 73, Mass.

 LE MOIN, FRED M. (S'52-A'55), Sr. Engr., Hoffman
 Electronic Corp., 3717 S. Grand Ave., Los Angeles
 7, Calif.

 LE MOINE. JOSEPH S. (S'57-M'57), Lt., Prolect Engr.

- LEMOINE, JOSEPH S. (S'57-M'57), Lt., Project Engr., Rome Air Development Center, Griffiss AFB, Rome, N.Y. LEMON, STANLEY G. (A'51-M'58), Elec. Engr., GE Co., Utica, N.Y.
- Utica, N.Y.
 LEMPERT, IRVING E. (S'39-A'41-M'45-SM'58), Engr.,
 TV-Radlo Div., Westinghouse Elec. Corp., Rte. 27,
 Metuchen, N.J.
- LEMPERT, JOSEPH (SM'53), Mgr., Advanced Dev., Westinghouse Electronic Tube Div., Box 284, Elmira, N.Y.

- N.Y.
 LEMPPIRER, JUSIUS S. (M'57), Field Engr., RCA, 1154
 Merchandise Mart, Chicago, III.
 LEMSON, JACK (M'57), Fr. Engr., Sylvania Reconnaissance
 Systems Lab., Box 188, Mountain View, Calif.
 LENCIONI, CECIL C., JR. (A'53–M'58), Engr., Offner
 Electronics, Inc., 3900 River Rd., Schiller Park, III. LENCZOWSKI, THADDEUS M. (S'51-A'52-M'57), Elec. Engr., Farrand Optical Co., Inc., 4401 Bronx Blvd., New York 7D, N.Y.
- new York 7D, N.Y.

 LENDER, ADAM (S'53-A'55-M'59), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.

 LENDING, RALPH D. (A'54), Sr. Engr., RCA,

 Camden, N.J.

- Canden, N.J.

 LENEFSKY, SELIC (M'57), Engr., Instruments for Industry, Glen Cove Rd., Minenia, I. J. N.Y.

 LENEHAN, JAMES J. (M'57), Asst. to Radio-Wire Transmission Engr., Western Union Telegraph Co., 60 Hudson St., New York, N.Y.

 LENET, RICHARD W. (S'57-M'58), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LENEY, HUGH G. (S'53-M'57), Engr., Feedback Controls, Inc., 899 Main St., Waltham 54, Mass.

- ENFEST, GEORGE C., JR. (A'46-M'55), Dir., Operations, WRCV/WRCV-TV (NBC), 1619 Walnut St., Philadelphia 3, Pa.
- LENG, RICHARD B. (SM'53), V.P., Chg. Tech. Prods. Dlv., Packard-Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.

 LENGYEL, BELA A. (SM'53), Sr. Staff Physicist, Research Labs., Hughes Aircraft Co., 3101 Malibu Canyon Rd.,

 Malibu, Calif.
- Maibu, Calif.

 LENHARDT, LAMBERT J. (S'48-A'51-M'56), Electronics Engr., Raytheon Mfg. Co., Wayland, Mass.

 LENI, JULES (S'54-M'57), Engrg. Staff, Genl. Precision Lab., Inc., 63 Bedford Rd., Pleasantville, N.Y.

 LENIGAN, THOMAS E. (A'36-VA'39-M'55), Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 LENIHAN, JERIMIAH E. (S'54-A'55), Lt. Cmdr., USN, Mare Island Naval Shipyard, Vallejo, Calif.

 LENIHAN, PHILIP M. (S'55-M'58), Systems Engr., Hazeltine Electronics, Little Neck 62, L.I., N.Y.

 LENK, HERBERT H. (M'56), Engr., Crosley Div., Avco Mfg. Co., 1329 Arlington St., Cincinnati 25, Ohio.

 LENKE, ROBERT H. (S'55-M'57), Equipment Engr., Douglas Aircraft Co., Inc., Box 4066, Patrick AFB, Fia.

 LENKER, JOHN N. (M'55), Sr. Engr. (Co.)

- LENKER, JOHN N. (M'55), Sr. Engr., Electron Tube Lab., ITT Labs., Nutley 10, N J. LENKER, PAUL E. (A'57), Project Engr., Bendix Aviation Corp., Hickory Grove Rd., Davenport, Iowa.

- LENNERD, JOHN P. (M'44), Field Engr., Western Electric Co., 1603 South St., Key West, Fla.
 LENNARD, JACK K. (M'56), Design Specialist, Electronics, Martin Co., Baltimore 3, Md.
 LENNERT, FRANK G. (S'44-A-4'48-SM'53), Mgr., Professional Audio Dept., Ampex Corp., 934 Charter St., Redwood City, Calif.
- LENNON, FRANK W. (S'54-A'55), Tech. Aide, Bell Tel. Labs., Whippany, N.J. LENNON, THOMAS J. (S'55-M'56), Engr., ITT Labs., Nutley 10, N.J.
- LENNOX, CUTHBERT H. (M'57), Radio Officer, City of Cape Town Municipality, Box 1694, Cape Town, South
- Africa.
 LENNSTROM, CHARLES O. (S'50-A'53-M'58), Research
 Engr., Boeing Airplane Co., Seattle, Wash.
 LENOIR, STERLING P., JR. (S'46-A'48-M'55), Special
 Research Engr., Engr. Experiment Sta., Georgia institute
 of Technology, Atlanta, Ga.

- of Technology, Allahara, Ga.

 LENOX, WARREN S. (A'54), Elec. Engr., Sola Electric Co., 4633 W. 16 St., Chicago 50, III.

 LENSE, HERBERT E. (SM'58), Lab. Dir., Ohmite Mfg. Co., 3601 Howard St., Skokie, III.

 LENSI, ERNESTO (M'58), Istituto Superiore P.T., Viale Trastevere 189, Roma, Italy.

 LENT, ERROLL L., JR. (A'54), Draftsman, Branson Instruments, Inc., 430 Fairfield Ave., Stamford, Conn.

 LENT, FLOYD E. (A'57), Sgt. 1st Cl., Malnt. Sect., U. S. Army, Det. 8, RFD 1, Keedysville, Md.

 LENT, WORTHINGTON C. (M'34-SM'43), V.P., Research & Dev., Hallamore Electronics Co., Inc., 8352 Brookhurst Ave., Anahelm, Calif.

 LENTZ, JOHN J. (S'41-A'45-M'55). Sr. Fnor., IRM. 612

- Ave., Anaheim, Calif.
 LENTZ, JOHN J. (5'41-A'45-M'55), Sr. Engr., IBM, 612
 W. 115 St., New York 27, N.Y.
 LENTZ, THEODORE (A'57), Research Engr., Natl. Cash
 Register Co., 1401 E. El Segundo, Hawthorne, Calif.
 LENTZ, WALTER K. (S'57-A'58), Technician, Burroughs
 Corp., 511 N. Broad St., Philadelphia 23, Pa.
 LENTZ, WILLIE H. (A'50-M'56), Electronics Engr., Range
 Instrumentation Dev. Div., White Sands Proving Grounds,
 N.M.

- instrumentation Dev. Div., White Sands Proving Grounds, N.M.

 LENWELL, LEROY W. (A'48-M'55), Pres., Genl. Mgr. & Chief Engr., McCook Broadcasting Co., Inc., 109½ E. "C" St., McCook, Neb.

 LENZ, HAROLD G. (A'53), Project Engr., Bendix Radio Div., Baltimore 4, Md.

 LENZ, WILLIAM K. (A'55), Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 LENZNER, EMIL (A'30-SM'55), Assoc. Dean, College of Engr., Univ. of Arizona, Tucson, Ariz.

 LEO, ROBERT E. (S'44-A'47-M'55), Design Engr., GE Computer Lab., 951 Commercial St., Palo Alto, Calif. LEON, BENJAMIN J. (S'51-A'547), Staff Assoc. Lincoln Lab., MIT, Lexington 73, Mass.

 LEON, HERMAN I. (A'52-M'57-SM'58), Mem. Tech. Staff, Space Technology Labs., Inc., 5730 Arbor Vitae St., Los Angeles 45, Calif.

 LEONARD, ALFRED B. (A'47-M'57), Operator, WSIS-TV, 419 N. Spruce St., Winston-Salem, N. C.

 LEONARD, CHARLES E. (M'56), Dev. Engr., GE Co., Lakeside Ave., Burlington, Vt.

 LEONARD, DENNIS J. (S'51-M'57), Design Engr., Avionics Div., 8ell Aircraft Corp., 8ox 1, Burfalo, N.Y.

 SUPPORT OF COMMENT OF COMMENT OF CO., Culver City, Calif.

 LEONARD, DONALD L. (S'50-A'52-M'56), Group Supvr., Support Dev., Computer, Hughes Aircraft Co., Culver City, Calif.

- Calif.
 LEONARD, EUGENE (M*46), V.P., Engrg., Digitronics Corp., Albertson, L.I., N.Y.
 LEONARD, FRANCIS M. (M*48), Research Engr., Dept. of Defense, Washington, D.C.
 LEONARD, FREDERICK J. (5*5D-A*51-M*56), Engr., Westinghouse Research Labs., Churchillborough, Pittsburgh 35, Pa.
- LEONARD, HARLAN Q., JR. (M'58), 63 Meehan Dr., Dayton 31, Ohio.

- LEUNARD, JAMES D. (S'49-A'52-M'57-SM'58), Group Leader, Electronics Dev. Group, No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio.

 LEONARD, JAMES P. (M'57), Service Mgr., Collister Corp., 260 Madison Ave., New York 16, N.Y.

 LEONARD, JAY F. (S'54-M'56), Engr., Philico Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 LEONARD, MARK V. (S'55-A'57), Design Assoc., Raytheon Mfg. Co., Wayland, Mass.

 LEONARD, NORMAN E. (A'43-M'56), Maint. Supvr., KFI, 141 N. Vermont Ave., Los Angeles 54, Calif.

 LEONARD, PAUL W. (S'48-A'51), Research Engr., Boeing Airplane Co., Seattle, Wash.

 LEONARD, ROBERT R. (S'48-A'51), Research Engr., Oatamatic Div., Minneapolis-Honeywell Regulator Co., Newton Highlands, Mass.

- LE ONARD, ROBERT S. (A '54), Researcher, Geophysical Institute, College, Alaska. LEONARD, ROBERTO B. (A '56), Sub-Mgr., Westrex Co., Caribbean, 180 Almendares, Flimcentro, Havana, Cuba.
- LEONARD, SAMUEL E. (A'26-M'42-SM'43), Instrumentation Planning, RCA Service Co., 113 Franklin Ave., Melbourne, Fla.
- Fla.

 EONARD, STEPHEN C. (A'37-VA'39-SM'54), Supvr., Instruments & Measurements Unit, High Voltage Lab., GE Co., 100 Woodlawn Ave., Pittsfield, Mass.

 LEONARD, THE ODDRE H. (S'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 LEONARD, THOMAS J., JR. (M'58), Dev. Engr., Minneapolis-Honeywell Regulator Co., 1915 Armacost, Los Angeles 25, Calif.

 FINNARD, THOMAS V. (S'55-A'58), Engr., Electropic

- LEONARD, THOMAS V. (S'55-A'58), Engr., Electronic Services Div., Remington Rand Univac, 1900 W. Alle-gheny Ave., Philadelphia, Pa.
- ymeny ave., Philadelphia, Pa.
 LEONARD, WALTER L. (A'56), TechRep., Philoc Corp., 22
 St., & Lehigh Ave., Philadelphia 32, Pa.
 LEONARD, WARREN D. (M'57), Mgr., Industrial Sales
 Dept., Lenkurt Electric Co., inc., 1105 County Rd.,
 San Carlos, Calif.
- San Larios, Calif.
 LEONARD, WILBUR E. (S'55-M'57), Meteorological Equipment Maint. Officer, 4th Weather Group, Patrick AFB, Fla.
 LEONDES, CORNELIUS T. (S'48-A'53-SM'57), Assoc.
 Prof., John, of California, West Los Angeles 24, Calif
 LEONE, HENRY A. (S'48-A'50), Mgr., Mg. Engrq. Lab.,
 Westinghouse Elec. Corp., 1844 Ardmore Bivd., Ptttsburgh
 21, Pa.

- westingnouse Elec. Corp., 1844 Ardmore BIVd., Ptttsburgn 21, Pa.
 LEONE, JDSEPH M. (S'55-M'56), Maj., Research & Dev. Administrator, Directorate of Physical Sclences, Hgrs. A.R.D.C., Andrews AF8, Washington 25, D.C.
 LEONE, WILLIAM C. (A'54), Mgr., Industrial Systems Div., Hughes Aircraft Co., Los Angeles, 45 Calif.
 LEONG, ALEXANDER L. T. (M'59), Electronic Engr., Convair-Astronautics, San Diego 11, Calif.
 LEONG, LAWRENCE L. F. (S'57-A'58), Electronics Technician, Tracerlab, Inc., 2030 Wright Ave., Richmond, Calif.
 LEONG, SAU L. (S'57-M'58), Jr. Engr., Kellog Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, III.
 LEONGAND, CHARLES P. (S'57-A'58), Electronics Technician, Martins, Inc., 141 3rd. Ave.. Columbus. Ohio.
 LEONHARD, JULIUS (S'50-A'52-M'57), Tech. Staff Mem., Hycon Eastern Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.

- LEONHARD, JULIUS (S'50-A'52-M'57), Tech. Staff Mem., Hycon Eastern Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.

 LEONHARDI, JULIAN O. (S'40-A'41-M'55), Project Engr., The Halicrafters Co., 4401 W. 5 Ave., Chicago 24, III.

 LEONHARDT, MERLIN W. (M'57), Radio Engr., United Air Lines, Inc., South San Francisco, Calif.

 LEONHARDT, MERLIN W. (M'57), Radio Engr., United Air Lines, Inc., South San Francisco, Calif.

 LEOPARD, GEORGE W. (S'42-A'48-SM'55), Head, Antenna Branch, Electronics Test Div., Naval Air Test Center, Patuxent River, Md.

 LEOPOLD, JOHN M. (A'54), Engr., RCA Service Co., 838 N. Henry St., Alexandria, Va.

 LEOPOLD, LOUIS (S'52-A'53-M'57), Sr. Project Engr., Antenna Group, Communication & Industrial Electronics Div., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, III.

 LEOPOLD, RUDOLF (SM'55), Production Mgr., Camera Equipment Co., 315 W. 43 St., New York, N. Y.

 LEOUTSAKOS, GEORGE N. (S'49-A'51-M'56), Sr. Engr., CBS-Hytron, Warren St., Newburyport, Mass.

 LE PAGE, ROY W. (A'58), Technician, Ontario Hydro Co., 620 University Ave., Tronto, Ont., Canada.

 LEPAGE, WILBUR R., Gronto, Ont., Canada.

 LEPAGE, WILBUR R., GWM-6-F59), Chmn., Elec. Engrg. Dept., Syracuse Univ., Syracuse 10, N. Y.

 LEPER-RAMOS, FILEMON (S'56-M'58), Engr., Telefonos de Mexico, S. A., Ave. Revolucion 140, Mexico 18, Mexico LEPHAKIS, ACHILLES J. (A'44-M'50), Group Leader, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 LEPIC, ROBERT E. (S'48-A'55), Electronics Engr., Sylvania Elec. Prods., Inc., Physics Lab., Bayside, L.1.,

 LEPKOWSKI, MARTIN J. (S'54-A'55), Electronics Engr., Sylvania Elec. Prods., Inc., 175 Great Armow Ave., Buffalo, N.Y.

 LEPOFF, JACK H. (M'56-SM'58), Selectronics Engr., Sylvania Elec. Prods., Inc., 175 Great Armow Ave., Buffalo, N.Y.

 LEPOFF, JACK H. (M'56-SM'58), Selectronics Engr., Sylvania Elec. Prods., Inc., 175 Great Armow Ave., Buffalo, N.Y.

 LEPOFF, JACK H. (M'56-SM'58), Selectronics Engr., Sylvania Elec. Prods., Inc., 175 Great Armow Ave., Buffalo, N.Y.

 LEPOFF, JACK H. (M'56-SM'58), Selectronic

- VIEW, CAIN, KAUKO E. (S'56-M'57), Elec. Engr., GE Co., Syracuse, N.Y.
 LEPPER, RICHARD (M'57), Sr. Engr., Northrop Aircraft, Inc., Hawthorne, Calif.
 LEPPER, WENDELL E. (S'48-A'51-M'58), Sr. Engr., Natl. Scientific Labs., 2010 Massachusetts Ave., N.W., Washington, D.C.
- wasningion, D.C.
 LEPPERT, JOSEPH H. (S'54-M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 LEPPERT, MELVIN L. (A'39-M'55), Sect. Head, Naval
 Research Lab., 4555 Overlook Ave., S.W., Washington
 25, D.C.
- LEPPLE , HOWARD (S'34-A'36-M'44), TV Engr., Administrative Asst., WLW-TV, Crosley Broadcasting Corp., 104 W. 9 St., Cincinnati, Ohio.
- W. 9 St., Cincinnati, Onio.
 LEPSCHY, ANTONIO M. (A'57), Research Engr., Fondazione
 Ugo Bordoni Viale Trastevere 189, Roma, Italy.
 LERCH, DONALD P. (M'57), Mfg. & Process Engr., Hill
 Electronic Engrs. & Mfg. Co., 300 N. Chestnut St.,
 Mechanicsburg, Pa.
- Rectronic Engrg. & Wirg. Co., 300 N. Chestrut St., Mechanicsburg, Pa.

 LERCH, QUINTIN A., JR. (A'42-M'55), Sales Engr., RCA, Industrial Electronic Prods., Camden, N.J.

 LERCHENMUELLER, WERNER (S'49-A'53-M'58), Research Engr., Boeing Airplane Co., Seattle 8, Wash.

 LERMAN, HAROLD (A'52-M'58), Sr., Project Engr., Kearfott Co., 1500 Main Ave., Clifton, N.J.

 LERMAN, NATHAN (M'59), Electronics Engr., Radioplane Co., 8000 Woodley Ave., Van Nuys, Calif.

 LERMOYEZ, MICHEL J. (S'57-A'58), Engr., Soclete D'Electronique et D'Automatisme, 138 Blvd. De Verdun, Courbevoie, Seine, France.

 LERNER, ARTHUR M. (S'50-A'51-M'56), Mgr., Control Systems Engrg., Hammarlund Mfg. Co., 460 W. 34 St., New York 1, N.Y.

 LERNER, DAVID S. (S'52-A'54), Dev. Engr., Wheeler Labs., Inc., Box 561, Smithtown, L.I., N.Y.

- LERNER, HERBERT A. (S'49-A'51-M'58), Asst. Planning Officer, Raytheon Mfg. Co., Bedford, Mass. LERNER, IRWIN S. (4'9-M'52), Applied Research Dir., Research & Dev. Div., Royal McBee Corp., West Hartford, Conn.
- Research & Dev. Div., Royal McBee Corp., West Hartford, Conn.

 LERNER, LAWRENCE (A'53-M'57), Mgr., Ground Support Equipment, Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LERNER, NORMAN C. (S'54-M'58), Elec Engr. Merit Light, Heat & Power, Inc., 1130 Castle Hill Ave., Bronx, N.Y.

 LERNER, ROBERT M. (SM'57), Asst. Group Leader, MIT, Lincoln Lab., Lexington 73, Mass.

 LERNER, THEODORE (S'49-A'51-M'58), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 LERNER, TUVIA (A'55), Research Engr., Scientific Dept., Ministry of Defence, Box 7063, Tel Aviv, Hakirya, Israel. LE ROY, ROBERT C. (S'58-M'59), Field Engr., Hughes Aircraft Co., Culver City, Calif.

 LEROND, BJANNE A. (A'58), Asst. Dev. Engr., Burroughs Corp., Paoli, Pa.

 LERUM, LYLE R. (S'57-M'59), Research Engr., No. Amer. Aviation, Internati. Airport, Los Angeles 45, Calif.

 LERZ, OTTO M., JR. (SM'55), Consulting Engr., Lerz Instrument Co., 25 lowa Rd., Great Neck, L.I., N.Y.

 LESCARBEAU, ROLAND F. (M'49), Dir of Training, Ward School of Electronics of Univ. of Hartford, Niles St., Hartford, Conn.

 LESCARBOURA, AUSTIN C. (M'47-SM'48), Pres., Lescarboura Advertising, Inc., 139 Main St., Ossining, N.Y.

 LESCH, FERDINAND A. (A'53-M'59), Electronics Engr.,

- LESCH, FERDINAND A. (A'53-M'59), Electronics Engr., Bomac Labs., Inc., Salem Rd., Beverly, Mass. LESCH, SEYMOUR (M'54), Supvr., Test Equipment Engrg., Hughes Altcraft Co., Box 90426, Los Angeles 45, Calif. LESH, MARLOWE A., JR. (M'58), Mgr., Instrumentation Support, RCA Service Co., Missile Test Project, Patrick AFB, Fla.

- Support, RCA Service Co., Missile Test Project, Patrick AFB, Fla.

 LESHER, RONALD H. (M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LESINSKI, LEON C. (S'56-M'58), Test Engr., Electronics Dept., Hamilton Standard, Broad Brook, Conn.

 LESINSKY, FRANK (M'52), Research Engr., Radio Electronic TV School, Detroit, Mich.

 LESK, I. ARNOLD (S'47-a'52-M'56-SM'59), Consultant, GE Co., Syracuse, N.Y.

 LESKIW, HARRY (S'56-M'57), Canadian Westinghouse Co., Ltd., Londwood Rd., Hamilton, Omt., Canada.

 LESKO, JOHN (S'50-A'51-M'57), Elec. Engr., RCA, Moorestown, N.J.,

 LESKO, LAWRENCE W. (A'57), Mem. Tech. Staff, Genl. Telephone Labs., Box 17, Northlake, III.

 LESKO, NORMAN J. (A'53-M'58), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 LESLIE, CARL B. (A'5B), Data Reduction Suov., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 LESLIE, CHARLES 8. (S'42-A'45-M'55), Electronics Engr., Naval Ordnance Lab., White Oak, Silver Spring, Md.

 LESLIE, FLOYD C., JR. (A'57), Communications Engr., The Timken Roller Bearing Co., Canton, Ohio.

 LESLIE, FRANK (A'28-VA 39-M'55), Emerson Television & Radio Corporation, 14 & Coles Sts., Jersey City 2, N.J.

 LESLIE, FRAZER E. (S'41-A'41-M'46-SM'56), Mer., Audio Dev. Sect., Ampex Corp., 934 Charter St., Redwood City, Calif.

 LESLIE, JOHN M., JR. (SM'56), Mgr., Professional Prods., Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engrg., Dept., Ampex Corp., 934 Charter St., Redwood City, Engre., Dept., Ampex Corp., 934 Charter
- LESLIE, JOHN M., JR. (SM'56), Mgr., Professional Prods., Engrg. Dept., Ampex Corp., 934 Charter St., Redwood City, Calif.
- Calif.

 LESLIE, JOHN P. (S'58-M'58), Ens., USN, Home: Goldsborough Apts., Bldg. 3, Bayonne, N.J., ESLIE, MALCOLM 8. (M'56), Pres. & Treas., Belmont Auto Sales, Inc., 1010 Pleasant St., Belmont, Mass. LESLIE, MYRON W. (SM'58), Specialties, Inc., Skunks Misery Rd., Syosset, L.I., N.Y.

 LESLIE, RICHARD E. (S'53-A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LESLIE, W. GRANT (S'48-A'50-M'58), Administrative Engr., Cook Research Labs., 6401 Oakton St., Morton Grove, III.

- Grove, III.

 LESMAN, EDWARD (S'46-A'54), Head, Medical Electronics
 Research, 500 Riverside Dr., New York 27, N.Y.

 LESMEZ, JOSEPH J., JR. (M'59), Design Engr., Radio
 Engra. Labs., 29-Ol Borden Ave., Long Island City 1, N.Y.

 LESNICK, RAYMOND (S'53-A'54), Mem. Tech. Staff, G.C.
 Dewey & Co., 202 E. 44 St., New York 24, N.Y.

 LESNICK, ROBERT N. (A'52-SM'57), Chief Engr., Beltone
 Research Labs., 4850 W. Belmont Ave., Chicago 41, III.

 LESPERANCE, BERNARD J. (A'55), Radar Technician,
 Canadian Marconi Co., Box 994, St. John's, Nfld.,
 Canadian

- Canada.

 LESSEM, MORRIS (A'45-M'55), Field Engr., on contract to NAESU, Government Service Dept. RCA, Camden 8, N.J.

 LESSEN, MARVIN (S'56-M'58), Elec. Engr., Western Electric Co., Waltham, Mass.

 LESSER, DAVID A. (A'57), Secy. & Treas., Emanuel Lesser & Son, Electronics, Inc., 155 E. Broadway, New York 2, N.Y.

 LESSER, DUDLEY (M'56), Test Supt., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LESSER, JOHN (M'51-SM'55), V.P., Genl. Mgr., E.J.

 Brandt & Co., Inc., 50-20 25 St., Long Island City 1, N.Y.

 LESSER, R. HENRY (SM'57), Mgr., Information Handling Electronics Engrg., RCA, Moorestown, N.J.

 LESSIN, IRVING (M'56), Chief, Paramagnetics Unit., Air Force Cambridge Research Center, Bedford, Mass.

 LESSLER, ARTHUR L. (S'56-A'59), 65 Shelter Lane, Roslyn, L.I., N.Y.

 LESSLEY, TED D. (S'56-M'57), Electronics Engr.,

- LESSLEY, ARTHUR L. (3-50-A-57), os shetter Lame, Roslyn, L.I., N.Y.

 LESSLEY, TED D. (5'56-M'57), Electronics Engr., Beckman Systems Div., 325 N. Muller, Anaheim, Calif.

 LESTEL, JACQUES H. (M'58), Tech. Dir., Centre francais de Recherche Operationnelle, Rue du Helder, Paris 9, France.

 LESTER, BURTON R. (S'41-A'42-M'47-5M'51), Operations Research & Synthesis, GE Co., Semiconductor Prod. Dept., Syracuse, N.Y.

 LESTER, DONALD R. (S'48-A'51-M'54), Electron Tube Dev. Engr., Bomac Labs., Inc., 8 Salem Rd., Beverly, Mass.

 LESTER, JOHN M. (A'41-SM'47), Engro. Mgr., Countermeasures, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LESTER, VESTAL R. (S'49-A'50-M'55), Staff Engr., Primary Standards Lab., Hughes Aircraft Co., Culver City, Calif.

- LESTICK, AUGUSTUS P. (A'57), Field Service Engr., Federal Electric Corp., Rte. 17 & Garden State Pkwy., Paramus, N.J.
- Paramus, N.J.
 LESYK, LEO (M157), Electronics Engr., Bird Electronics
 Corp., 1800 E. 38 St., Cleveland, Ohio.
 LETARTE, MARCEL (A152-M158), Defense Research Service
 Officer, Canadian Amament Research Development Est., Box
 1427, Quebec, P. Q., Canada.
- LETAW, HARRY JR. (SM'56), Mgr., Applied Physics Sect., Advanced Dev. Dept., Raytheon Mfg. Co., Way-land 54, Mass.
- Land 5-4, Mass.

 LE TELLIER, JAMES M. (M'58), Electronics Engr., Dept. of Defense, Washington 25, D.C.

 LETHIN, JAYE. (A'54-5M'56), Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, L.I., N. Y.

 LETIZIA, ALFONSO (M'58), Systems Engr., GE Co.,
- LETIZIA, ALTONO M. Syracuse, N.Y.
 LETSCHER, EDWARD J. (M'58), Jr. Engr., Airbome
 Instruments Lab., 160 Old Country Rd., Mineola, L.I., N.Y.
 LETSINGER, WARREN C. (M'58), Sr. Project Engr., Delco
 Radio Div., GMC, Kokomo, Ind.
- LETT, ALEXANDER S. (5'53-A'55), Advanced Systems Planning, IBM, Military Prods. Div., Kingston, N.Y. LETWIN, AMIL (M'56), Elec. Engr., Boeing Airplane Co., Renton, Wash
- LETZTER, ALEXANDER O. (A'54), Design & Dev. Engr.,
 Reeyes Instrument Corp., Roosevelt Field, Mineola, L.I.,
- LEU, THOMAS W. (S'50-A'52-M'57), Sr. Electronics Engr., Electronic Systems Div., Cook Electric Co., 8100 N. Monticello, Skokie, III.
- LEUCK, DONALD D. (M'57), Instr., Elec. Engrg., Univ. of Toledo, Toledo, Ohio.
- LEUNG, CHUNG T. (S'56-M'57), Engrg., RCA, Camden 2,
- EUNIS, JACOBUS (M'54), Chief, Engrg. & Labs., Cincotel S.A. (Comp. Industrial y Commercial de Telecommunicacion), Laprida 4851, Vicente Lopez, Buenos Aires, Argentina.
- EURGANS, RALPH W. (M'59), Sr. Engr., Electronic Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

- mountain view, Calif.

 LEUSCHNER, RONALD H. (S'55–M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 LEUTERITZ, HUGO C. (A'20-VA'30–M'55), Communication Engr., 51 Canterbury Rd., Rockville Centre, L.I., N.Y.

 LEV, S. NATHAN (A'35–VA'39–M'55), Mgr., Airborne Systems Dept., Defense Electronic Prods., RCA, Camden, N.J.
- N.J.

 LEVAD1, VICTOR S. (S'56-M'57), Research Assoc., The Ohio State Univ. Research Foundation, Columbus 10, Ohio. LE VAN, JAMES D. (A'43-M'55), Secy. of Corp., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

 LE VAN, WILLIAM I. (S'480A'50-M'58), Dir., Reliability, Space Flight Div., Bell Aircraft Corp., Buffalo 5, N.Y.

 LEVASSEUR, GABRIEL Y. (S'57-M'57), Transmission Maint. Engr., The Bell Tell Co. of Canada, 1050 Beaver Hall Hill, Montreal, P.Q., Canada.

 LEVASSEUR, J., RENE A. (A'57-M'59), Radio Inspector, Telecommunications Div., Dept. of Transport, 609 Dominion Public Bidg., Windsor, Ont., Canada.

 LEVAY, THURSTON C. (S'42-M'46), Mgr., Genl. Precision Lab., Inc., 180 N. Vinedo Ave., Pasadena 8, Calif.

- LEVENE, LEONARD F. (M'58), Project Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.

- N.Y.

 LEVENDE, MICHELE (M'55), Staff Asst., Mathematical Statistical Group, Bell Tel. Co. of Pennsylvania, 1835 Arch St., Philadelphia 3, Pa.

 LEVENS, LEO M. (A'47-SM'50), Dir., Bureau of Talking Book Services, American Foundation for the Blind, Inc., 15 W. 16th St., New York II, N.Y.

 LEVENSOM, DONALD W. (S'41-A'44-M'55), Licensed Consulting Engr., Pres., Wheeling Ant. Co., 1121 Main St., Wheeling, W. Va.

 LEVENSTEIN, HAROLD (A'46-M'55), Dir., Research Lab., W. L. Maxson Corp., 460 W. 34 St., New York I, N.Y.

 LEVENTIS, GEORGE T. (S'56-M'57), Elec. Engr., Servomechanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif. LEVERNT, HUMBOLDT W. (SM'54-F'56), Dir., Research.
- LEVERENZ, HUMBOLDTW. (SM*54-F'56), Dir., Research, RCA Labs., Princeton, N.J.
 LEVERING, CHARLES A. (A'37-VA'39), Sound Engr., Orange County Music, Inc., 414 E. 4 St., Santa Ana, Calif.

- Calif.

 LEVERINGTON, RICHARD D. (A'50-M'56), Project Engr., Collins Radio Co., Cedar Rapids, Jowa.

 LEVERS, EUGENE O. (A'50), Production Supvr., Hazeltine Electronics Corp., Little Neck 62, L.I.N., Y.

 LEVERTON, WALTER F. (SM'56), Mgr., Physical Electronic Group, Raytheon Mfg. Co., Waltham 54, Mass.

 LEVESQUE, JULIAN J. (A'55), Project Engr., Olin Mathiason Chemical Corp., Ordill, Marion, III.
- LEVESQUE, PAUL J. (M'58), 14 Wesley St., Dedham,
- LEVESQUE, ROBERT W. (M'56), ProJect Engr., LMED, GE Co., Utica, N.Y. LEVEY, LAWRENCE (S'52-M'56), Research Assoc., Microwave Research Institute, 55 Johnson St., Brooklyn 1,
- LE VEZU, CHARLES G. (S'52-A'55), Research Asst., Engro . Research Institute, Univ. of Michigan , Ann Arbor, Mich .
- Mich.
 LEVI, ENRICO (M'58), Research, Assoc. Prof., Elec.
 Engrg., Polytechnic Institute of Brooklyn, 55 Johnson St.,
 Brooklyn 1, N.Y.
 LEVI, JOHN S. (M'54), Engr., Sears, Roebuck & Co., 925
 S. Homan, Chicago 7, III.
 LEVI, LEO (M'59), Consulting Physicist, 80 Bennett Ave.,
 New York 33, N.Y.
- New York 33, N.Y.
 LEVI, PIERRE R. (M'58), Device Engr., Transitron Electronic Corp., 168 Albion St., Wakeffeld, Mass.
 LEVICK, HERBERT (S'51-A'52-M'57), Asst. Dir., Engrg., Stelma, Inc., 190 Henry St., Stamford, Conn.
 LEVIN, ALEXANDER (A'54), Electronics Scientist, Corps of Engrs., U.S. Army Map Service, 6500 Brooks Lane, Washington 25, D.C.
- LEVIN, 8ERNARD 8. (S'56-M'57), Design Engr., RCA Semiconductor & Materials Div., U.S. Rte. 202, Somer-ville, N.J.

- LEVIN, HARRY L. (A'51), Purch. Dir., Federal Mfg. & Engrg. Corp., 1055 Stewart Ave., Garden City, L.I., N.Y. LEVIN, HERBERT L. (A'55), Dev. Engr., Electron Tube Lab., ITT Labs., Nutley 10, N.J. LEVIN, HERMAN (M'99), Project Engr., Cook Research Labs., 6401 Oakton St., Morton Grove, III. LEVIN, HOWARD S. (M'56), Consultant, Arthur Young & Co. 165 Broadway, New York 6, N.Y. LEVIN, KENNETH L. (M'51–SM'57), Project Engr., Bell Aircraft Corp., Box 1, Bulfalo 5, N.Y. LEVIN, MORRIS J. (S'50–A'53–M'57), Sr. Research Asst., Dett. of Elec. Engrg., Columbia Univ., New York, N.Y. LEVIN, MORTON H. (A'55), Research Engr., Sanborn Co., 39 Osborn St., Cambridge, Mass. LEVIN, MORTON S. (S'48–A'51–M'56), Dir., Engre., Datascan, Inc., 48 Notch Rd., Little Falls, N.J. LEVIN, ROBERT (S'57–M'58), Computer Systems Engr., RCA Service Co., Camden, N.J. LEVIN, ROLAND M. (A'40), Engr., Research Associates, Inc., 1618 E. Elizabeth Ave., Linden, N.J. LEVIN, ROLAND M. (A'40), Engr., Research Design Div., Puget Sound Naval Shipyard, Bremerton, Wash. LEVIN, ROLAND M. (A'31–Va'39–SM'57), Mem. Tech. Staff, Bell Tel. Labs., Murray HIII, N.J. LEVIN, STANLEY, (S'47–A'50–M'56), 1358 President St., Brooklyn 13, N.Y.

- Calif.

 LEVIN, STANLEY (S'43-A'50-M'56), 1358 President St., Brooklyn 13, N. Y.

 LEVIN, WILLIAM S. (M'58), Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.

 LEVINE, ABRAHAM (S'54-A'M'57), Dev. Engr., Minneapolis-Honeywell Regulator Co., Aero Div., 13350 U.S. Hwy. 19, St. Petersburg, Fla.

 LEVINE, ARNOLD M. (A'44-M'55-SM'56), V.P., Missile & Space Systems, ITT Labs., Nutley 10, N.J.

 LEVINE, ARTHUR M. (S'48-A'50-M'55), Airborne Instrument Lab., Mineola, L. I., N. Y.

 LEVINE, RERNARD (M'57), Engr., RCA. Harrison.
- LEVINE, BERNARD (M'57), Engr., RCA, Harrison,
- LEVINE, BERNARD (SM'54), Mgr., Ketay Dept., Norden Div., United Aircraft Corp., Jerlcho Tpke, & Larkfield Rd., Commack, L.I., N.Y.
- LEVINE, BURTON I. (A'55), Project Engr., G B Electronics Corp., Hook Creek Blvd., Valley Stream, L.I., N.Y.

 LEVINE, DANIEL (S'44-A'47-SM'56), Tech. Consultant, 3826 N. 55 Dr., Glendale, Ariz.

 LE VINE, DONALD J. (S'43-A'44-M'49-SM'56), Exec. Engr., ITT Labs., Nutley 10, N. J.

 LEVINE, EDWARD (M'57), Engr., ITT Labs., Nutley 10, N. J.

- LEVINE, ELIHU L. (\$'55-M'55), 1432A 45 St., 8rooklyn 19, N.Y.
- orooklyn 19, N.Y.

 LEVINE, HAROLD A. (S'48-A'50-SM'52), Asst. Dir.,
 Advanced Engrg., Loral Electronics Corp., 825 Bronx
 River Ave., New York 72, N.Y.

 LE VINE, HARRIS D. (SM'55), Dir., Instrumentation Div.,
 U.S. Atomic Energy Commission, 376 Hudson St., New
 York, N.Y.

- LE VINE, HARRIS D. (SM'55), Dir., Instrumentation DIV., U.S. Atomic Energy Commission, 376 Hudson St., New York, N.Y.

 LEVINE, HOWARD M. (M'57), Operations Research System Analysis, Haller, Raymond & Brown, Inc., State College, Pa. LEVINE, IRVING (S'53-A'54-M'58), Sr. Electronics Engr., Gulton Industries, Inc., 212 Durham Ave., Metuchen, N.J.

 LEVINE, IRVING (SM'54), Electronic Scientist, Natl. Bureau of Standards, Washington 25, D.C.

 LEVINE, IRVING (SM'54), Electronic Scientist, Natl. Bureau of Standards, Washington 25, D.C.

 LEVINE, JUSEPH M. (A'52), Pres., Federal Screw Prods., Inc., 3917 N. Kedzie Ave., Chicago 18, Ill.

 LEVINE, JULIUS (S'65-A-157), Chief Engr., Probescope Co., Inc., 8 Sagamore Hill Dr., Port Washinoton. L.I., N.Y.

 LEVINE, JULIUS (S'65-A-157), Chief Engr., Bendix Aviation Corp., Teterboro, N.J.

 LEVINE, LOUIS (S'54-M'57), Jr. Project Engr., 8 endix Aviation Corp., Teterboro, N.J.

 LEVINE, MARTIN (S'50-A'51-M'56), Asst. Prof., Engrs., Pennsylvania State Univ., McKeesport, Pa.

 LEVINE, MARTIN W. (S'50-M'55), Project Engr., Genl. Electronics Labs., Inc., 18 Ames St., Cambridge, Mass.

 LEVINE, MARVIN 8. (S'52-A'54-M'58), Assoc. Research Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, Ill.

 LEVINE, MORRIS E. (A'37-M'45-SM'57), Chief Engr., Applications & Measurements Sects., Tung-50i Electric, Inc., 95 8 Ave., Newark, N.J.

 LEVINE, NORMAN M. (A'5B), Staff Engr., CBS, 485 Madison Ave., New York 22, N.Y.

 LEVINE, ROPAHAEL B. (M'54), Deparations Research Sr., Analyst, Lockheed Aircraft Corp., Marietta, Ga.

 LEVINE, ROBERT H. (S'48-A'49-M'54-SM'56), Electronics. Engr., Radio), Signal Corps Engrg., Labs., Ft.

- LEVINE, RAPMAEL B. (M. '94), Operations Research Sr. Analyst, Lockheed Aircraft Corp., Marietta, Ga.

 LEVINE, ROBERT H. (S'48-A'49-M'54-5M'56), Electronics Engr. (Radio), Signal Corps Engrg. Labs., Ft. Mommouth, N.J.

 LEVINE, ROBERT I. (M'59), Elec. Engr., Radio Receptor Co., 61 N. 4 St., Brooklyn 11, N.Y.

 LEVINE, ROBERT J. (A'51-M'56), Piec., Magnetic Instrument Co., 546 Commerce St., Thornwood, N.Y.

 LEVINE, ROBERT J. (S'56-M'58), Engr., Bendix Radio Co., Towson 4, Md.

 LEVINE, SAM (S'46-A'52-M'56-SM'59), Consulting Engr., & Y.P., Sales, A. & M. Associates, Inc., 6

 Sunnybrook Rd., Bernardsville, N.J.

 LEVINE, SAMUEL E. (S'53-A-54), Systems Engr., RCA, 11819 W. Olympic Bivd., Los Angeles 64, Calif.

 LEVINE, SAMUEL W. (SM'54), Dir., Research & Engr., Graphic Div., Fairchild Camera & Instrument Corp., Plaintyiew, L.I., N. Y.

- view, L. I., N. Y.

 LEVINE, SEYMOUR (M'56), Elec. Engr., Sperry Gyroscope
 Co., Roosevelt Field, L.I., N.Y.

 LEVINE, SEYMOUR (S'48-A'51-M'57), Specialist,
 Electronics Engr., Republic Aviation Corp., 223 Jericho
 Tpke., Mineola, L.I., N.Y.

 LEVINE, SEYMOUR (M'56), Sr. Project Engr., Trio Labs.,
 Inc., Dupont Dr., Piainview, L.I., N.Y.

 LEVINE, SEYMOUR (S'53-A'56), Engrg. Group Leader,
 RCA, Camden, N.J.

 LEVINE, SIDNEY (A'51-M'56), Staff Asst., Engrg. Mngt.
 Control, Melpar, Inc., 3000 Arlington Blvd., Falls
 Church, Va.

- LEVINE, SOL (A'44-M'47-SM'50), Engrg. Mgr.,
 Martin Co., Baltimore 3, Md.
 LEVINE, SOLOMON (A'55), Electronics Scientist, Diamond
 Ordnance Fuze Labs., Washington 25, D.C.
 LEVINE, STANLEY B. (S'52-A'53), Application Engr.,
 Potter Aeronautical Corp., U.S. Huy. 22, Union, N.J.
 LEVINE, STEPHEN W. (S'56-M'59), Special Systems
 Engrs., Bell Tel. Labs., 463 West St., New York 14, N.Y.
 LEVINE, SUMMER N. (SM'58), Sr. Engr., RCA,

- LEVINE, SUMMER N. (SM'58), Sr. Engr., RCA, Somerville, N.J.

 LEVINE, WILLIAM E. (M'56), Sales Engr., Transitron Electronic Corp., 6641 W. North Ave., Oak Park, III.

 LEVINSON, EMANUEL (S'48-A'50-M'55), Engrg., Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LEVINSON, JOHN (SM'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 LEVINSON, ROBERT M. (A'54), Head, Systems Analysis Sect., Litton Industries, 2205 Stoner Ave., West Los Angeles, Calif.

 LEVINSON, SAMUEL (A'50-M'55), Sr., Project Engr., Radio Receptor Co., 700 Shames Dr., Westbury, L. I., N. Y.

 LEVINTAL, ELLIOTT C. (A'44-SM'53), Pres., Levinthal Electronic Prods., Inc., 3180 Hanover St., Palo Alto, Calif.
- Electronic Prods., Inc., 3180 Hanover St., Palo Alto, Calif. EVINTHAL, JAY G. (S'46-A'50-M'55), Mgr., Systems Engrg., GE Co., Computer Lab., 951 Commercial St., Palo Alto, Calif. LEVIS, CURT A. (S'48-A'52-M'57-SM'59), Asst. Prof., Ohio State Univ., Columbus 10, Ohio. LEVISAY, DALE H. (S'56-M'57), Staff Elec. Engr., Aluminum Co. of America, Pittsburgh 19, Pa. LEVISAY, LEO 0. (S'57-A'58), Technician, Western Television Corp., 122 S. 8 St., Worland, Wyo. LEVISAY, WILLIAM H. (S'58-M'59), Research Asst., MIT, Cambridge 39, Mass.

- Cambridge 39, Mass. LEVIT, MICHEL (A:53), Pres., Metropolitan Overseas Suooly Corp., 1133 Broadway, New York 10, N.Y. LEVITAS, ALFREO (M:56), Assoc. Prof., State Univ. of New York, New York State College for Teachers, Albany, N.Y.
- LEVITSKY, JOSEPH (A'44-M'55), Sect. Head, R.F. Dept., Bogen-Presto Corp., Rte. 4 & Forest Ave., Paramus, N.J.
- LEVITT, MATTHEW (A'53), Design Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Suffalo 21, N.Y. LEVITT, RALPH S. (M'56), Syracuse Univ., Syracuse,
- N.Y.
 LE VON, MIHRAN, JR. (S'49-A'51-M'56), Co. Rep.,
 ITT Federal Div., 100 Kingsland Rd., Clifton, N.J.
 LEVONIAN, PUZANT V. (A'52-M'58), Mem. Tech. Staff
 Space Technology Lab., 5500 El Segundo 8lvd., Hawthorne, Calif.
- LEVY, ALEXANDER O., JR. (M'57), Systems Engr., Dynamics Research Corp., 44 Winn St., Woburn, Mass. LEVY, ALVIN J. (S'54-A'55), Engr., Martin Co., Orlando, Fla.

- Fla.

 LEVY, ALVIN S. (M'57), Engr., Airborne Systems Oept., RCA, Camden, N.J.

 LEVY, 8ERNARD (S'46-A'49-M'55), Quality Control Mgr., Bogen-Presto Corp., Paramus, N.J.

 LEVY, CHARLES (S'56-M'58), Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City, N.Y.

 LEVY, DONALD M. (S'54-M'57), Instr., Elec. Engrg. Dept., Univ. of Wisconsin, Madison 6, Wis.

 LEVY, DONALD S. (4'53-M'58), Design Engr., Westinghouse Elec. Corp., 80x 1897, Baltimore 3, Md.

 LEVY, DONALD T. (M'56), Design Engr., Micro-Module Dev., RCA, Rte. 202, Somerville, N.J.

 LEVY, ESAMUEL (A'54), Engr., Cubic Corp., 5575

 Kearney Villa, San Diego, Calif.

 LEVY, ERNEST, JR. (S'50-A'52-M'56), Engrg. Sect. Mgr., Sorensen & Co., linc., Richards Ave., South Norwalk, Comn.

 LEVY, EZRA C. (M'56), Asst. Exec., Vara Dynamics, 1270
- NOTWAIK, LORIN.
 LEVY, EZRA C. (M'56), Asst. Exec., Vara Dynamics, 1270
 Westlyn Pl., Pasadena, Calif.
 LEVY, GEORGE F. (S'37-A'39-SM'44), Sr. Research
 Specialist, Astro Div., Marquardt Aircraft Co., 16555
 Saticoy St., Van Nuys, Calif.

- Saticoy St., Van Nuys, Calif.

 LEVY, GERALD (A'55), Electronics Scientist, USAF, Rome Air Development Center, Rome, N.Y.

 LEVY, GERALD S. (S'56-M'57), Sr. Research Engr., Convair, San Diego, Calif.

 LEVY, GIBERT (S'54-A'55), Chief Engr., Semi-Con Prods., Box 149, Edgewater, N.J.

 LEVY, GUNTER I. (M'53), Tech. Asst., The Sao Paulo Light SA, Serv. de Eletricidade, Caixa Postal 8026, Sao Paulo, 8razil.

- Light S/A, Serv. de Eletricidade, Caixa Postal 8026, Sao Paulo, Brazil.

 LEVY, HARRY B. (5'56-A'57), Asst. Chief Engr., Sound Systems, Inc., 39-22 30St., Long Island Citv. 1. N.Y.

 LEVY, HERBERT J. L. (S'51-M'55), Design Engr., Ford Instrument Co., 30-10 41 Ave., Long Island City 1, N.Y.

 LEVY, IRVIN J. ('49-A'51-M'56), Electronics Scientist, Naval Research L'51-M'56), Pres., Washington Engra. Service Co., 4915 Cordell Ave., Bethesda 14, Md.

 LEVY, LEON G. (S'44-A'49-M'55), Secy., Treas., The 1.E. Robinson Co., 740-4 W. Chester Pike, Upper Darby, Pa.

 LEVY, LEON S. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 LEVY, LUCIEN (M'19)LL), Pres. & Chief Engr., Establissements Radio-L., L., 5 Rue du Cirque, Paris, France.

 LEVY, MAURICE L. (A'40-SM'47), V.P. & Dir., Commercial Engra., Consumers Div., Emerson Radio & Phonograph Corp., 14 & Cole St., Jersey City, N.J.

 LEVY, MAXWELL G. (S'49-A'53-M'58), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 LEVY, MICHAEL R. (A'55-M'57), Pres., U.S. Dielectric Prods. Inc. 98 Adams Ct.

- LEVY, MICHAEL R. (A'55-M'57), Pres., U.S. Dielectric Prods., inc., 98 Adams St., Leominster, Mass. LEVY, PAUL G. (M'56), Communications Liaison, Sheriff's Dex., Los Angeles County, Hall of Justice, Los Angeles 12, Calif.
- LEVY, PAUL M. (SM'59), Sr. Staff Mem., Geni. Precision Lab., Inc., Pleasantville, N.Y.
 LEVY, SAMUEL L. (M'53), Geni. Mgr. & Chief Engr.
 York Mfg. Co., Sanford, Fla.
 LEVY, SAUL Y. (S'56-M'57), Engr., ITT Labs., Nutley 10, N.J.
- LEVY, SOL J. (SM'43), Pres., Chlef Engr., Monmouth Labs., Inc., Electronx, Inc., 425 Monmouth Ave., Bradley Beach, N.J.

- LEVY, STEPHEN L, (A'45-M'50-SM'59), Mgr., Commercial Engrg., Lansdale Tube Co., Lansdale, Pa.
 LEVY, STUART N. (S'55-M'56), Assoc. Engr., RCA, Moorestown, N.J.
 LEW, CLINTON (A'54-SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 LEW, FRANK J. (S'58-M'59), Project Engr., Dept. of The Army, U.S. Army Electronic Proving Ground, Ft. Huachuca,

- LEW, HARRY W. (S'41-A'42), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. LEWANDOWSKI, FRANK P. (M'56), Genl. Electronics Engr., Link Aviation Research, 530 University Ave., Palo

- Alto, Calif.

 LEWAY, WILLIAM E. (M'58), Field Service Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.

 LEWBEL, SAMULL H. (A'46-M'53), Electronics Engr., FAA, Box 4009, Honolulu, Hawaii.

 LEWCZYK, EDWARD A. (M'58), Sr. Electronics Engr., Gray Mfg. Co., 16 Arbor St., Hartford, Conn.

 LEWELLYN, JACK R. (SM'58), Mem. Tech. Staff, Space Technology Labs., 5730 Arbor Vitae, Los Angeles 45, Calif.
- Technology Labs., J. Job Andor Vitac., LCS Anisetes 47, Calif.

 LEWENSTEIN, H.J. (M'57), Applications Engrg. Mgr., Lenkurt Electric Co., San Carlos, Calif.

 LEWI, JEREMY B. (S'48-A'50-M'55-SM'57), Staff Engr., Tech. Prods. Div. Packard-Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 66, Calif.

 LEWICKI, WALTER M. (A'55), Electronics Engr., Bell Aircraft Corp., Box 1, Suffalo 5, N.Y.

 LEWIN, JACOB (S'57-M'58), Hgrs., U.S., Army Signal Research & Development Lab., Ft. Mommouth, N.J.

 LEWIN, NORMAN L. (A'55), Project Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, Ill.

 LEWINSKI, JULIUS (S'44-A'47-SM'54), Mgr., Engrg. Prods. Div., Radio Recepter Co., 81 N.5 St., Brooklyn 11, N.Y.

- N.Y.
 LEWINSTEIN, MARCUS (M'45-SM'47), Staff Mem., Genl.
 Precision Labs., Inc., 63 Bedford Rd., Pleasantville, N.Y.
 LEWINTER, SIDNEY W. (A'52-SM'56), Exec. Engr., ITT
 Labs., Nutley 10, N.J.
 LEWIS, ARNOLD W. (A'56), Testing & Regulating Chief,
 Canadian Pacific Communications, Regina, Sask., Canada.
- LEWIS, ARTHUR G. (S'53-A'54), Systems Engr., 18M,
- LEWIS, ARTHUR G. (S'53-A'54), Systems Engr., Iom, Kingston, N. Y.

 LEWIS, ARTHUR M. (S'50-A'51-M'55), Sales, Lewis Motors, Inc., 3536 Lee Rd., Shaker Heights 20, Ohio.

 LEWIS, BEN G. (M'52), Asst. Head, Displays Project Dept., Hughes Aircraft Co., Fullerton, Calif.

 LEWIS, BENJAMIN F. (A'52-M'57), Bell Tel Labs., 463 West St., New York 14, N.Y.

 LEWIS, CHARLES E. (M'56), Electronics Engr., Sandia Coro., Sandia Base, Albuquerque, N.M.

 LEWIS, CLARENCE H. (A'53-SM'57), Col., USAF, Oir., Electronics Directorate Hors. Air Research & Development Command, Andrews AFB, Md.

 LEWIS, DAVID H. (S'52-A'54), Electronics Engr., Glyder, Lewis, California, California, Command, Andrews AFB, Md.

- LEWIS, DAVID H. (S'52-A'54), Electronics Engr., Gulded Missile Div., DeHavilland Aircraft of Canada, Downsview, Ont., Canada.
- Ont., Canada.
 LEWIS, DONALD C. (S'55-M'57), Calibration Engr.,
 Northrop Aircraft, Inc., Hawthorne, Calif.
 LEWIS, DONALD E. (S'50-A'53-M'58), Research Engr.,
 Rand Corp., 1700 Main St., Santa Monica, Calif.
 LEWIS, GONALD E. (A'55-M'56), Instr., Dept. of Elec.
 Engr., The Ohio State Univ., Columbus 10, Ohio.
- Engr., The Ohio State Univ., Columbus 10, Ohio.
 LEWIS, DONALD 0. (S'57-M'59), Jr. Engr., Bendix
 Aviation Corp., York, Pa.
 LEWIS, DWIGHT C. (S'58-M'59), Electronics Engr.,
 Goodyear Aircraft Corp., 1210 Massillon Rd., Akron
 15, Ohio.
- LEWIS, F., MOWER, III (M'55), Engr., The Bell Tel. Co. of Pennsylvania, Philadelphia, Pa. LEWIS, EARL W. (A'39-VA'39), Chief Engr., Wometco Theatres, TV Div., 316 N. Miami Ave., Miami, Fla. LEWIS, EDWARD J. (S'49-A'50-M'56), Assoc. Engr., 18M, Poughkeessie, N.Y.
- LEWIS, EDWARD W. (A'46), Chief Operations Services, American Airlines, Inc., Logan Airport, East Boston, Mass.

- American Airlines, Inc., Logan Airport, East Boston, Mass.

 LEWIS, EDWIN S. (S'49-A'50-M'58), Group Leader, Antennas, RCA, Moorestown, N.J.

 LEWIS, FLMER L. (A'49), Supvr., Sonar Design Sect., San Francisco Naval Shipyard, San Francisco 24, Calif. LEWIS, FLOYD V. (S'53-M'57), Engr., Sylwania Elec. Prods., Inc., Box 205, Mountain View, Calif. LEWIS, FRANCIS J. (M'57), Electronics Dev. Engr., W. H. Sanders (Electronics), Ltd., Gunnels Wood Rd., Stevenage, Herts., England.

 LEWIS, FRANK D. (S'36-A'38-VA'39-SM'50), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 LEWIS, FRANK W. (M'56), Asst. Prof., Dept. Elec. Engr., Univ. of Arkansas, Fayetteville, Ark.

 LEWIS, GEORGE (A'32-VA'39-M'55), Asst. Dir., Engr., WCAU, Inc., City Line & Monument Rd., Philadelphia 31, Pa.
- Pa.

 LEWIS, GEORGE (A'12-M'15-SM'43-F'51)(L), Asst.
 V,P., IT & T, 67 Broad St., New York 4, N.Y.

 LEWIS, GEORGE A. (S'36-A'40-M'55), Engr., G.A.

 Lewis Radio Co., 120 Boylston St., Boston 16, Mass.

 LEWIS, GEORGE E. (A'49), Pres., Lewis & Trimble, Inc.,
 5500 N. Menard Ave., Chicago 30, III.

 LEWIS, GEORGE N. (M'58), Engr., GE Co., Johnson City,
 N.Y.
- N.Y.
 LEWIS, GEORGE S. (A'59), Engrg. Assoc., Raytheon Mfg.
 Co., Wayland, Mass.
 LEWIS, GERSON (M'53), V.P. & Genl Mgr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.
 LEWIS, HAROLD F. (S'54-M'56), Research Engr., No.
 Amer. Aviation, Downey, Calif.
 LEWIS, HAROLD M. (A'19-M'26-SM'43)(L), Professional
 Engr., 510 Blanchard Pkwy., West Allenburst. N.J.
 LEWIS, HAROLD R. (M'58), Electronics Engr., GE Co., St.
 Petersburg., Fla.
- Petersburg, Fla. LEWIS, HERBERT A. (SM'47), Dir., Outside Plant Dev., Bell
- LEWIS, HERBERT A. (SM*-7), DIT., Outside Flank Dev., be Tel. Labs., Murray Hill, N.J. LEWIS, HERBERT O. (M*57), Project Engr., Collins Radio, 2700 W. Olive Ave., Burbank, Calif. LEWIS, HOWARD A. (A*51-M*57), Physicist, Arnold Engrg. Co., Marengo, III.

- LEWIS, HOWARD G. (M'58), M/Sgt., USAF, Flight Inspector Technician, Communications Special Projects NCOIC, Hars. Contl. AACS Area, Tinker AFB, Okla.

 LEWIS, J. KENNETH (A'52-M'47-SM'58), Chief, Data Storage Ewulpment Oiv., Research & Dev., Natl. Security Agency, Ft. Meade, Md.

 LEWIS, J. KENNETH (A'52-M'47-SM'58), Chief, Data Storage Equipment Oiv., Research & Dev., Natl. Security Agency, Ft. Meade, Md.

 LEWIS, JAMES D. (S'57-M'57), Assoc. Dev. Engr., Aeronautical & Instrument Oiv., Robertshaw-Fulton Controls Co., 401 N. Manchester, Anahelm, Calif.

- nautical & Instrument Oiv., Robertshaw-Fulton Controls Co., 401 N. Manchester, Anaheim, Calif.

 LEWIS, JAMES E. (M'58), Electronics Scientist, Naval Research Lab., Washington 25, O.C.

 LEWIS, JOHN R. (A'45-M'55), Chief Production Engr., Safe Flight Instrument Corp., 4 Water St., White Plains, N.Y.

 LEWIS, JOSEPH I. (S'57-M'59), Electronics Engr., Diamond Ordnance Fuze Lab., Washington 25, O.C.

 LEWIS, JOSEPH R. (M'54), Mgr., Programs & Planning Sect., TechRep Div., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 LEWIS, JOSEPH R. (M'54), Mgr., Programs & Planning Sect., TechRep Div., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 LEWIS, KENNETH E. (S'53-A'55), Circuit Design Engr., Hughes Aircraft Co., Fullerton, Calif.

 LEWIS, LAUREL J. (SM'52), Prof., Flec. Engrg., Univ. of Washington, Seatule 5, Wash.

 LEWIS, LA VERNE F. (A'49), Prof., Physics & Asst. Dean, School of Engra., USAFIT, Wright-Patterson AF8, Ohio.

 LEWIS, LESTER C. (SM'57), Chmn., Physics & Mathematics Dept., Wagner College, Staten Island 1, N.Y.

 LEWIS, MRRTIN B. (S'47-A'49-M'55), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LEWIS, MRREDITH T. (A'41-M'47), Sr. Engr., Equipment, Soutliwestern Bell Tel. Co., 308 S. Akard St., Dallas 2, Tex.

 LEWIS, PATRIC L. (M'55), Project Engr., NASA Ames
- LEWIS, PATRIC L. (M'55), Project Engr., NASA Ames Research Center, Moffett Field, Calif. LEWIS, PAUL H. (M'57), 813 W. University Ave., Cham-

- LEWIS, PAUL H. (M'57), 813 W. University Ave., Champaign, III.

 LEWIS, PETER A. W. (M'56), Assoc. Engr., IBM Watson Labs., 612 W. 115 St., New York 25, N.Y.

 LEWIS, PHILIP M., II (A'53-M'58), Asst. Prof., MIT, Cambridge, Mass.

 LEWIS, PHILIP M., II (A'53-M'58), Owner, Lionel Electronic & TY, 34159 Gates Or., Mount Clemens, Mich.

 LEWIS, R.S. (A'41), Sales Engr., Standard Coil Prods. Co., Inc., 2100 N. Soto, Los Angeles 32, Calif.

 LEWIS, RICHARD D. (S'54-M'56), Engr., Martin Co., Orlando, Fla.

 LEWIS, RICHARD E. (S'56-A'57), Quality Control Technician, Remington Rand Univac, 1902 Minnehaha, St. Paul, Minn.

- cian, Remington Kand Univac, 1902 Minnehaha, St. Paul, Minn.

 LEWIS, RICHARD E. (M'57), Computer Engr., Los Alamos Scientific Lab., 80x 1663, Los Alamos, N.M.

 LEWIS, RICHARD M. (A'47-M'55), D sign Engr., Acme Electric Corp., Water St., Cuba, N.Y.

 LEWIS, RICHMOND A. (S'54-M'58), 2341 Veteran Ave., Los Angeles 64, Calif.

 LEWIS, ROBERT E. (M'52), Sr. Optical Engr., Beckman & Whitley, 985 San Carlos Ave., San Carlos, Calif.

 LEWIS, ROBERT E. (M'59), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 LEWIS, ROBERT F. (A'51-M'55), V.P. In-Chg., Engrg., Prodelin, Inc., 307 Bergen Ave., Keamy, N.J.

 LEWIS, ROBERT H. (S'51-A'51-M'55), Communications Supyr., Trans-Arabian Pipe Line Co., 80x 1348, Beirut, Lebanon.

 LEWIS, ROBERT J. (SM'53), Mgr., RCA Television Div.
- LEWIS, ROBERT J. (SM'53), Mgr., RCA Television Div. Camden 8, N.J.

- Camden 8, N.J.

 LEWIS, ROBERT O., JR. (M'59), Research Engr., 80eing
 Airplane Co., 80x 707, Renton, Wash.

 LEWIS, ROBERT W. (A'52-M'57), Communications Engr.,
 Boston Edison Co., Tremont St., 80ston, Mass.

 LEWIS, ROGER (M'56), Asst. Depot Suprvr., Canadian

 Marconi Co., Box 994, St. John's, Nifd., Canada

 LEWIS, ROY K., JR. (S'54-M'56), Elec. Engr., Western

 Union Telegraph Co., 60 Hudson St., New York, N.Y.

 LEWIS, ROY V. (A'45-SM'52), Supvr., GE Co., Clyde,
- LEWIS, ROY V. (A. 49-5M*52), Subvr., VE. Co., Ciyder, N.Y.

 LEWIS, STUART M. (M*56), Mng. Editor, Transmission & Distribution, Cleworth Publishing Co., 1 River Rd., Cos Cob., Conn.

 LEWIS, THOMAS B. (M*56), Staff Engr., 18M, Owego, N.Y.

 LEWIS, WALTER I. (M*58), Group Mgr., Magnetics, Inc.,

 Box 391, Butler, Pa.

 LEWIS, WALTON P. (M*54), Project Engr., Raytheon Mfg.

 Co., Maynard, Mass.
- Co., Maynard, Mass. LEWIS, WILLARD D. (A'44-SM'52-F'54), Dir., Research Communications Systems, Bell Tel. Labs., Murray Hill, N.J. LEWIS, WILLIAM A. (SM'47), Research Prof., Elec. Engrg., Illinois Institute of Technology, 3300 Federal St., Chicago 16, Ill.

- Engrg., Jillinols Institute of Technology, 3300 Federal St., Chicago 16, Jil.

 LEWIS, WILLIAM R. (SM'55), Chief Exec. Engr., Wilcox Electric, 1400 Chestunt, Kansas City 27, Mo. Electric, 1400 Chestunt, Kansas City 27, Mo. Electric, 1400 Chestunt, Kansas City 27, Mo. Electric, 1400 Service Co., Los Angeles, Calif. LeWYS, ALEXANDER M. (SM'46), Pres., Lewyt Mfg. Corn., 43-22 Queens St., Long Island City 1, N.Y.

 EX, ROWLANO G., JR. (S'48-A'51-M'56), Head, Data Systems Sect., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.

 LEY, B. JAMES (A'52-M'55), Assoc. Prof., Elec. Engrg., New York 53, N.Y.

 LEY, ELWYN W. (A'44), Owner, Elwyn W. Ley Co., 16514 S. Garfield, Paramount, Calif.

 LEY, OGRDON S. (A'41-M'45-SM'50), Westinghouse Elec. Corp., Metuchen, N.J.

 LEYDORF, GEORGE F. (A'36-SM'44), Consulting Engr., Savings & Loan Bidg., Birmingham, Mich.

 LEYDORF, GLENN E. (A'48-M'55), Assoc. Prof., Elec. Engrg. Dent., U. S. Naval Academy, Annapolis, Md.

 LEYSATH, WILLIAM Q. (S'52-A'455), Sr. Engr., Cook Research Labs., Morton Grove, Ill.

 EYTON, ERIC M. (SM'53), Research Engr., RCA, Princeton, N.J.

 LEYDON, ERIC M. (SM'53), Research Engr., RCA, Princeton, N.J.

 EYAM MARVIN S. (S'66-M'57), Engr., Bendix Computer

- N.J. LEZAK, MARVIN S. (S'56-M'57), Engr., Bendix Computer Div., 919 N. Michigan, Chicago, III. LEZAN, GEORGE R.E. (S'51-A'52-M'56), Design Engr., GE Co., Mountainview Rd., Lynchburg, Va.

- L'HEUREUX, LEON J. (M'56), Deputy Chief Supt., Canadian Armament Research & Development Est., Box 1427, Quebec, P.Q., Canada.

 LI. KAM (S'50-A'54), Engr., RCA, Camden, N. J.

 LI, TINGYE (S'55-M'58), Mem. Tech. Staff, Bell Tel.

 Labs., Holmdel, N.J.

 LIANG, DAVID Y. (A'49-M55), Research Assoc., Willow Run Labs., Univ. of Michigan, Ann Arbor, Mich.

 LIANG, M. MAX (M'56), Engr., Ampex Corp., Redwood City, Calif.
- LIAS, RONALD B. (S'46-A'48-M'51-SM'56), Design Engr., No. Amer. Aviation, Internati. Airport, Los Angeles 45, Calif.
- 45, Calif.
 LIBAW, WILLIAM H. (A'54), Design Engr., Magnavox Research Labs., 2255 Carmelina, Los Angeles, Calif.
 LIBBEY, WALDO M. (M'58), Assoc. Prof., Elec. Engr.,
 Univ. of Maine, Ornon, Me.
 LIBBY, EDWIN C. (S'48-A'50-M'58), Mgr., Ancillary
 Design, Missile & Space Vehicle Opet., GE Co., 3198
 Chestnut St., Philadelphia 24, Pa.
 LIBBY, HUGO L. (A'48-M'55), Elec. Engr., GE Co., Richland, Wash.

- Chestnut St., Philadelphia 24, Pa.

 LIBBY, HUGO L. (A'4B-M'55), Elec. Engr., GE Co., Richland, Wash.

 LIBBY, HUGO L. (A'4B-M'55), Elec. Engr., GE Co., Richland, Wash.

 LIBBY LESTER L. (S'36-A'41-SM'46), V. P. & Chief Engr., Carad Corp., 2850 Bay Rd., Redwood City, Calif.

 LIBBY, MERVYN E. (S'53-A'55), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N. Y.

 LIBBY, MERVYN E. (A'45-M'55), Chief, Intelligence Lab., Rome Air Development Center, Griffiss AFB, N.Y.

 LIBBY, TYNG M. (A'14-M'16-SM'43-F'55), Transmission Engr., U. S. Army Alaska Communication System, Federal Office Bldg., Seattle 4, Wash.

 LIBBY, VERNON A. (S'52-A'53), Lead Engr., Western Electric Co., Chatham Rd., Winston-Salem, N. C.

 LIBBY, WESLEY B. (S'55-A'53), Lead Engr., Raytheon Mfs. Co., Bedford, Mass.

 LIBEN, WILLIAM (SM'55), Physicist, Applied Physics Lab., Silver Spring, Md.

 LIBENSCHEK, RUDOLPH S. (A'54), Electronics Research Labs., 900 Agnew Rd., Pittsburgh 27, Pa.

 LIBES, SOL (S'56-A'56), Tech. Editor, Westinghouse Elec. Corp., Metuchen, N. J.

 LIBER, MAN, ARIE (SM'49), Pres. & Chief Engr., Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago 23, III.

 LIBERMAN, MELVIN E. (M'59), Chief Engr., Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago 23, III.

 LIBERMAN, MELVIN E. (M'59), Chief Engr., Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago 23, III.

 LIBERMAN, MELVIN E. (M'59), Sheet Engr., Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago 23, III.

 LIBERMAN, MELVIN E. (M'59), Sheet Engr., Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago 23, III.

 LIBERMAN, MELVIN E. (M'59), Sheet Engr., Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago 23, III.

 LIBERMAN, MELVIN E. (M'59), Sheet Engr., Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago 23, III.

 LICHTOTA, ANTHONY J. (S'58-A'58), Electronics Draftsman, Ziff-Davis Publishing Co., 1 Park Ave., New York, N.Y.

 LICHT, GERALD L. (A'53), Sr. Research Physicist, GMC Research Staff, Box 188, North End Sta., Detroit 2, Mich.

 LICHTENSTEIN, ARTHUR H. (A'48), Works Mgr., Continental Radio & Elec. Engr., 1919, Jud.,
- Cail.

 LICHTENSTEIN, MILTON J. (M'47-SM'57), V.P. & Sales Mgr., RMC Associates, 236 E. 75 St., New York 21, N.Y. LICHTERMAN, GEORGE (M'46), Pres., G. L., Electronics, Inc., 1632 Venice Blvd., Los Angeles 6, Callíf, Secy., Arrow Sales Inc., 7035 Laurel Canyon Blvd., Hollywood,
- Callf
- Calf
 LIGHTMAN, SAMUEL W. (A '42-SM'48), Sr. Staff Engr.,
 Hughes Aircraft Co., Culver City, Calif.
 LICHTY, J. RAYMOND (A '48-M'55), District Mgr., LMED,
 GE Co., 3252 Wilshire Blvd., Los Angeles 5, Calif.
 LICON, OSCAR C. (A '54), Radio Parts Mgr., W. G. Walz
 Co., 500 San Francisco St., El Paso, Tex.
 LIDA, SIDNEY L. (M'57), Mgr., Communications Systems
 Mktg., 1BM, 112 E. Post Rd., White Plains, N.Y.
 LIDDEL, URNER (SM'49-F'55), Chief, Bionucleonics Lab.
 of Physical Biology, Natl. Institutes of Health, Bethesda
 14, Md.
- LIDDIARD, GLEN E. (A'46-M'55), Physicist, USN Electronics Lab., San Diego 52, Calif.

 LIDDICOAT, CHARLES A. (S'46-A'50-M'55), Electronics Engr., Delaware Research & Development Corp., 222 Sunset Dr., Delaire, Wilmington 3, Del.
- LIDDICOAT, WALLACE L. (A'58), 3306 W. 11 Ave., Vancouver 8, B.C., Canada. LIDDLE, RALPH W., JR. (S'49-A'51), Engr., RCA, Camden, N.J.

- LIDDLE, RALPH W., JR. (S'49-A'51), Engr., RCA, Camden, N.J.

 LIDDLE, WAYNE C. (S'54-M'57), Electronics Engr., McDonnell Aircraft Corp., St. Louis, Mo.

 LIDDLE, WYANA A. (A'54), Design Engr., GE Co., Syracuse, N.Y.

 LIDELL, DAVID (S'57-A'57), Field Service Engr., The Teleregister Co., 445 Fairfield Ave., Stamford, Conn. LIDOVITCH, SILVAN B. (S'50-A'52-M'57), Research Engr., Boeing Airolane Co., Seattle, Wash.

 LIDZ, SIDNEY (A'48-SM'56), Chief Engr., Special Prods. Div., Herold Radio & Electronics Co., 716 S. Columbus Ave., Mt., Vernon, N. Y.

 LIEB, ALVIN B. (S'53-A'54), Circuit Design Engr., GE Co., 3198 Chestnut St., Philadelphia 4, Pa.

 LIEBE, LEDWARD (S'49-A'50-M'55), Electronics Engr., RCA, 75 Varick St., New York 13, N.Y.

 LIEBER, MORRIS (S'50-A'51-M'56), Engr., Lockheed Aircraft Corp., Burbank, Calif.

 LIEBER, SIDNEY (M'52), Pres. & Chief Engr., Unit Process Assemblies, Inc., 61 E. 4 St., New York 3, N.Y.

 LIEBERKNECHT, JAMES A. (A'48), Field Mgr., IBM, 3223 Wilshire Blvd., Santa Monica, Calif.

 LIEBERMAN, ALFRED G. (S'57-M'59), Teaching Ast., Califonia Institute of Technology, Pasadena, Calif.

 LIEBERMAN, DANIEL (M'56), Electronics Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- California Institute of Technology, Pasadena, Calif.

 LIBERMAN, DANIEL (M'56), Electronics Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 LIEBERMAN, EUGENE A. (A'48-M'55), Mgr., Quality Control Debt., Applied Science Corp. of Princeton, Box 44,

 Princeton Junction, N.J.

- LIEBERMAN, FRED (M'55), Pres., Green Mountain Television Corp., 187 Church St., Burlington, Vt.; Montpelier Communication Television, Inc., 23 Langdon St.,
- Communication Television, Inc., 23 Langdon St., Montpelier, Vt.

 LIEBERMAN, GILBERT (A'55), Mathematician, Naval Ordnance Lab., White Oak, Silver Spring, Md.

 LIEBERMAN, HERNAN, (A'49-S'50-A'51-M'58), Asst. Sr. Engr., Bendix Aviation Corp., Teterboro, N.J.

 LIEBERMAN, IRVING J. (A'53-M'5B), Mgr., Computer Systems & Logic Design, Philico Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- LIEBERMAN, JULIAN L. (S'48-A'50), Applications Engr., Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.

- Pacific Semiconductors, Inc., 1049.1 W. Jefferson Blvd., Culver City, Calif.

 LIEBERMAN, MARK D. (S'57-M'59), Electronics, Armour Research Foundation, 10 W. 35 St., Chicago 16, Ill.

 LIEBERMAN, MELVYN S. (A'57), Account Exec., Krate-Basch Associates, 31 W. 47 St., New York 36, N.Y.

 LIEBERMAN, THEODORE (A'57), Naval Research Lab., Code 5424-A, Washington 25, D.C.

 LIEBERMAN, JOSEPH (A'55), Engr., RCA, Camden 2. N.J.

 LIEBERT, FRANKLIN R. (M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., NY.

 LIEBESKIND, JAMES A. (S'54-M'57), Engr., Hughes Aircraft Co., Culver City, Calif.

 LIEBMAN, HOWARD S. (A'58), Design Engr., Lockheed Aircraft Service, New York Internatl. Airport, Jamalca, L.I.,

 LIEBMAN, PAUL M. (S'53-A'54-M'57), Project Engr., Sperry Gyroscope Co., Creat Neck, L.I., N.Y.

 LIEBUA, FREDERICK A. (S'54-4'55), Engr., RCA,
- Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 LIEBOLD, FREDERICK A. (S'54-A'55), Engr., RCA,
 Camden, N.J.
 LIEBRERICH, ERICH (A'55), Sales Engr., Power instrument
 & Cortrol Supply Corp., 254 Canal St., New York 1, N.Y.
 LIEBSCHER, ARTHUR (M'45-SM'52), Press, Electronics,
 Inc. of Pennsylvania, 39 York Rd., Willow Grove, Pa.
 LIECHTY, WALLACE (S'55-M'59), Assoc. Engr., Raytheon Mfs. Co., 6380 Hollister, Goleta, Calif.
 LIED, FINN (A'56), Dir., Nonvegian Defence Research Est.,
 Norway, Forswarets Forskingsinstitutt, Kjeller Pr., Lillestrom, Norway.

- strom, Norway.
 LIEDHOLZ, GERHARD A. (M'57), Engr., E.H. Currie Co.,
 603 N.W.S. River Dr., Miami, Fla.
 LIEDTKE, JOHN A. (A'53-M'58), Electronics Dev. Engr.,
 Tektronix, Inc., Box 831, Portland 7, Ore.
 LIEGEY, PAUL R. (S'49-A'50-M'55), Elec. Engr.,
 Airborne Instrument Lab., Mineola, L.I., N.Y.
 LIEKENS, ALBERT F. (A'52), Dept. Head, Commercial
 Radio Lab., Bell Tel. Mfg., Boudewyns-street 4, Antwerp,
 Belgium.
- LIELBRIEDIS, KARLIS (M'51), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. LIEN, CLIFFORD E. (A'38-VA'39), Asst. Communications Maint. Supvr., The Detroit Edison Co., 2000 2nd Ave., Detroit 26, Mich.
- LIENHARD, JEROME T. (S'53-A'54-M'59), Mem. Tech. Staff, Hughes Research & Development Labs., Culver City, Calif.
- LIENHARD, JUAN G. (M'47), Asst. V. P., Internati. Standard Electric Corp., 67 Broad St., New York 4, N. Y.
 LIENHARD, OLIVER W. (S'50-A'53), Engrg., KTVI-TV,
 5915 Berthold Ave., St. Louis 10, Mo.
 LIEPA, ARNOLD (S'57-M'57), 512 7 Ave., Brookings, S.D.
 LIEPA, LEONS V. (S'55-M'57), Fngr., Guided Missile
 Sect., Bendix Aviation Corp., 400 S. Beiger, Mishawaka,
 Ind.
- Ind.
 LIEPELT, ELMER E. (S'51-A'52-M'57), Sr. Dev. Engr.,
 Motorola, Inc., 1450 N. Cicero, Chicago 51, III.
 LIEPOLD, ROBERT B. (S'46-A'4B-M'55), V.P., Automatic
 Electric Sales Corp., Northlake, III.
 LIESKE, E. W. (S'44-M'47), Administrative Engr.,
 Collins Radio Co., Cedar Rapids, Iowa.
 LIESKE, NORMAN K. (A'59), Lab. Engr., McDonnell
 Aircraft Corp., St. Louis, Mo.
 LIETZAN, ANTHONY A. (A'48-M'55), Design Engr.,
 Douglas Aircraft Co., Inc., Field Sta., Box 4066,
 Patrick AFB, Fila.

- Patrick AFB, Fla.
 LIGAMS, CLARENCE E. (A'52), Mgr., TechRep, Dept.,
 Philico Corp. of Canada, Ltd., Don Mills Rd., Don Mills,
 Ont., Canada.
 LIGGETT, WILLIAM E. (A'53-M'58), Systems Engr.,
 GE Co., Syracuse, N.Y.
 LIGHT, HERBERT A. (S'56-M'57), Elec. Engr., Light
 Electric Corp., 214 Lackawanna Ave., Newark 3, N.J.
 LIGHT, JAMES E., JR. (S'55-M'56), Flight Cmdr.,
 USAF, Webb AFB, Tex.
 LIGHT, 10US, (A'40-M\\$55), Padlo Engr. ECC.

- LIGHT, JAMES E., JK. (5'55-M'56), Flight Cmdr., USAF, Webb AFB, Tex.
 LIGHT, LOUIS (A'40-M'55), Radio Engr., FCC,
 Washington 25, D.C.
 LIGHT, ROBERT H. (A'57), Research Engr., Stanford
 Research Institute, Menio Park, Calif.
 LIGHT, ROBERT J. (M'58), Project Engr., M.B. Mfg.
 Co., Whalley Ave. & Fitch St., New Haven, Conn.
 LIGHTBURNE, DAVID N. (A'57), Service Mgr., Muntz
 Television, Inc., 101 W. 16 St., Indianapolis, Ind.
 LIGHTCAP, EDWIN T. (M'58), Project Mgr., McKlernanTerry Corp., 100 Richards Ave., Dover, N.J.
 LIGHTCAP, JAMES L. (S'57-M'58), Dev. Engr., Motorola,
 Inc., 3102 N. 56 St., Phoenix, Ariz.
 LIGHTSTONE, JOHN B. (M'57), Pres., John B. Lightstone,
 Engrg. Rep., 100 Ostrom Ave., Syracuse, N.Y.
 LIGNON, JACQUES R. (A'55), Assoc. Prof., Institute Techmologico de Aeronautica, Sao Jose dos Campos, Sao Paulo,
 Brazil
 LIGOMENIDES, PANOS A. (S'56-M'59), Assoc.
- BYAZII.

 LIGOMENIDES, PANOS A. (S'56-M'59), Assoc. Engr., IBM, 99 Notre Dame Ave., San Jose, Callf.

 LIGON, GUY C., JR. (M'57), Engr., Computer Dev., IBM, Poughkeepsie, N.Y.

 LIGORI, JOSEPH (M'56), Principal Electronics Engr., Republic Aviation Corp., 223 Jericho Tpke., Mineola, L. I., N. Y.
- N. Y.
 LIGORNER, MARTIN M. (S'56-M'57), Design & Dev.
 Engr., GÉ Co., Syracuse, N.Y.
 LIGUORI, ANTHONY (A'45-SM'57), Leader, Design & Dev.
 Engrs., RCA, 75 Varick St., New York 13, N.Y.
 LIGUORI, FRED (S'57-M'58), Asst. Publications Engr.,
 Sperry Gyroscope Co., Syosset, L.I., N.Y.
 LIGUORI, MICHAEL A. (S'54-A'55), Engr., Sperry
 Gyroscope Co., Carle Place., L.I., N.Y.

- LIIMATAINEN, TOIVO M. (S'41-A'42-M'45-SM'58), Asst. Chief, Electron Tube Branch, Diamond Ordnance Fuze Labs., Washington 25, D.C.
- wasnington 25, D.C.
 LIIV, HENN H. (A'5B), Supv., Quality Control Standards & Facilities, GE Co., LMED, Utica, N.Y.
 LIKEL, HARRY C. (S'35-SM'46), Sr. Project Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- LILENFELD, JACK (M'56), V.P.-in-chg. of Research, Commercial Industries Corp., 44 Whitehali St., New York 4, N.Y.

- York 4, N.Y.
 LILIE, MILTON I. (M'5B), Jr. Engr., Machlett Labs.,
 Inc., Springdale, Conn.
 LILIENFELD, HOWARD J. (S'57-M'59), 2244 Creston
 Ave., New York 53, N.Y.
 LILIENSTEIN, MANFRED (SM'5B), 5276 Willow Wood Rd.,
 Rolling Hills, Calif.
 LILIENTHAL, JAMES R. (A'44-SM'54), Instrumentation
 Group Leader, Los Alamos Scientific Lab., Box 1663,
 Los Alamos, N.M.

- Los Alamos, N.M.

 LILJA, RAYMOND F. (S'57-A'58), Lab. Technician, Hallicrafters Co., 4401 W. 5 Ave., Chicago, III.

 LILJEGREN, JOHN C. (M'58), Engr., ITT Labs., Nutley 10, N.J.

 LILLIBRIDGE, EDWARD H. (A'54), Engr., Norden-Ketay Corp., 13210 Crenshaw, Cardena, Calif. LLLIBRIDGE, JOHN R., JR. (S'56-M'58), Project Officer, Hgrs., GEEIA, ROZMEA, USAF, Criffiss AFB, N.Y.

 LILLIE, ANAILE F., JR. (S'51-A'53-M'58), Asst. Engr., Arma Corp., Garden City, L. I., N.Y.

 LILLIE, GRAYDON L. (S'58-M'59), 701 S. Cedar Ave., Fulleton, Calif.
- LILLIE, GRAYDON L. (S'5B-M'59), 701 S. Cedar Ave., Fullerton, Calif.
 LILLIE, ROBERT E. A. (S'57-M'58), USMC, Retired, 4120 Plymouth Rd., Ann Arbor, Mich.
 LILLIE, WILLIAM A. (S'53-A'54), Assoc. Research Engr., Boeing Airplane Co., Seattle, Wash.
 LILLO, CLIFFORD L. (S'47-A'50-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 LILLY, CHARLES H. (A'54), Liaison Engr., W.L. Maxson Corp., Old Forge, Pa.

- Corp., Old Forge, Pa.

 LILLY, RICHARD G. (M'52), Head, Enroute & High Altitude
 Control Sect., Data Processing & Display Div., Bureau of
 Research & Development, FAA, Washington 25, D.C.

 LIM, HENRY (S'56-M'57), Design Engr., Glifillan Bros.,
 Inc., 1815 Venice Blvd., Los Angeles, Calif.

- Inc., 1815 Venice Blvd., Los Angeles, Calif.

 LIM, MACROBIO (S'55-M'59), 14 Gomez St., Cagayan De Oro City, Philippines.

 LIMA, PDWARD J. T. (A'50-M'55), Sr. Engr., Bendix Research Labs. Div., Box 5115, Detroit 35, Mich.

 LIMA, THOMAS F. (A'54), Sr. System Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 LIMANSKY, GOR (A'47-M'55), Sr. Engr., Electronics, Research & Dev., The Martin Co., Middle River, Md.

 LIMB, LEVI K. (S'54-M'57), Sr. Electronics Technician, Texas Instruments, Inc., 3609 Bulfalo Speedway, Houston, Tex.

 LIMBERG, ARNOLD C. (S'51-A'53-M'50).
- nouston, rex.

 LIMBERG, ARNOLD C. (S'51-A'53-M'58), Field Engr.,

 Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 LIMBURG, MYRON A., JR. (M'59), Electronics Engr.,

 Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Williamsville, N.Y.

- ville, N.Y.
 LIMPEL, EUGENE J. (A'45-M'45), Dir., Elec. Research,
 A. O. Smith Corp., 3533 N. 27 St., Milwaukee 1, Wis.
 LIN, CHI-SUN (A'53-M'57), Staff Mem., Lincoln Lab.,
 MIT, Lexington 73, Mass.
 LIN CHUNG M. (M'58), Research Asst., Stanford Electronic
 Lab., Stanford Univ., Stanford, Calif.
 LIN, HUNG C. (S'47-A'52-M'56), Mgr., Semiconductor
 Applications Engrg., CBS-Hytron, 900 Chelmsford St.,
 Lowell, Mass.
- LINBLAD, THOMAS N. (A'53-M'56), Design Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington, Cincinnati 25, Ohio.

- Ohio.
 LINCICOME, DONALD C. (S'52-A'54), Research Engr., Stanford Research Institute, Menlo Park, Calif.
 LINCICOME, JAMES R. (A'52-SM'56), Military Mktg., Motorola, Inc., 1450 N. Cicero, Chicago, Ill.
 LINCOFF, WALTER (A'49-M'57), Engr., Airbome Instrument Lab., Mineola, L.I., N.Y.
 LINCOLN, ANDREW J. (M'57), Teaching Fellow, Computation Lab. of Harvard Univ., 33 Oxford, Cambridge 38, Mass.
- Mass.
 LINCOLN, CHARLES F., JR. (A'55), Sales Engr., John A. Green Co., 7118 Envoy Ct., Dallas 35, Tex.
 LINCOLN, EARL T. (A'58), Systems Analyst, Stanford Research Institute, Menio Park, Calif.
 LINCOLN, JAMES P. (A'50-M'55), Instr., Physics, San Antonio College, 1300 San Pedro Ave., San Antonio 12, Tex.
- LINCOLN, JOHN K. (A'51), Eastern Sales Mgr., Micro Switch Div., Minneapolis-Honeywell Regulator Co., Freeport, III.
- LINCOLN, ROLAND A. (S'54-M'56), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M. LIND, ANTHONY H. (S'42-A'50-M'56), Engrg. Mgr., RCA, Camden, N.J.
- LIND, AN HONY H. (S'42-A'50-M'56), Engrg. Mgr., RCA, Camden, N.J.

 LIND, ARDEN L. (S'51-A'52-M'57), Sales Engr., Pinkney & Hine Co., 1925 Nicollet Ave., Minneapolls, Minn.

 LIND, ARNOLD L. (S'52-A'53-M'58), Sr. Engr., Sylvania Elec. Prods., Inc., Batavia, N.Y.

 LIND, EARL R. (S'54-M'56), Engr., GE Co., Cornell Univ., Ithaca, N.Y.

 LIND, EARL P. (M'59), Engr., Northern Electric Co., Ltd., Belleville, Ont., Canada.

 LIND, EARL P. (M'59), Engr., Northern Electric Co., Ltd., Belleville, Ont., Canada.

 LIND, HAROLD V. (S'52-A'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 LIND, JAMES N. (S'48-A'54), Mem. Tech. Staff, GE Co., 601 California Ave., Palo Alto, Calif.

 LIND, MERRILS. (A'55), Asst. Prof., Elec. Engrg. Dept., Michigan College of Mining & Technology, Houghton, Mich.

 LIND, PERRY C. (A'42), Consulting Engr., 720 33 Ave.,

- LIND, PERRY C. (A'42), Consulting Engr., 720 33 Ave., S., Seattle 44, Wash. LIND, RALPH P. (A'54), Asst. Supvr., Systems & Controls Scct., Clevite Research Center, 540 E. 105 St., Cleve-land, Ohlo.
- LIND, WALLACE P. N. (M'57), Field Engrg., Autonetics Div., No. Amer. Aviation, Downey, Calif.

LIN-LIP - 269 -

- LINDAHL, HILMER C. (A'42-M'56), Chief Engr., Internatl. Radio & Electronics, Box 261, Elkhart, Ind. LINDBERG, ANDREW C. (S'50-A'51-M'57), Engr., Motorola Research Lab., 8330 Indiana, Riverside, Calif.

- ola Research Lab., B330 Indiana, Riverside, Calif.
 LINDBERG, DELMAR W. (S¹56-A¹57), Electronics Technician, Min neapolis-Honeywell Regulator Co., 1433
 Stinson Blvd., N.E., Minneapolis, Minn
 LINDBERG, EARL E. (A¹55), Sr. Research Engr., Research
 Labs., GMC, 12 Mile & Mound Rds., Warren, Mich.
 LINDBERG, EDWARD (A¹48-M¹58), Electronics Engr.,
 Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21,
 N.Y.
- LINDBERG, HERBERT E. (S'56-M'58), Mem. Tech. Staff, Space Technology Labs., El Segundo Blvd., Los Angeles, Calif.

- Calif.
 LINDBERG, JAMES E. (S'55-M'56), Electronics Engr.,
 Raytheon Mfg.Co., Wayland, Mass.
 LINDBERG, RALPH (A'54), V.P., Engrg., Optomechanisms,
 Inc., 216 E. 2nd St., Mineola, L.I., N.Y.
 LINDBERG, WILLIAM J. (S'54-M'56), Project Engr.,
 Projects Mngt. Staff, Ordnance Missile Labs., Redstone
 Arsenal, Huntsville, Ala.

- LINDBERG, WILLIAM J. (S'54-M'56), Project Engr., Projects Mngt. Staff, Ordnance Missile Labs., Redstone Arsenal, Huntsville, Ala.
 LINDELL, EDWARD (S'57-M'5B), Engr., Librascope, Inc., BDB Western Ave., Glendale 1, Calif.
 LINDELL, LEO (M'5B), Austin Co., Special Devices Div., 76 9 Ave., New York, N.Y.
 LINDELL, RICHARD L. (A'47-M'51), Chief Engr., WTAR Radio Coro., 720 Boush St., Norfolk 10, Va.
 LINDEMAN, BENJAMIN (M'51-SM'55), Electronics Engr., Rome Air Development Center, Rome, N.Y.
 LINDEMAN, BENJAMIN (M'51-SM'55), Chief Tuper Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 LINDEMAN, RICHARD J. (A'52-M'57), Chief Tuper Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 LINDEMAN, ARTHUR W. (M'55), Design & Research Engr., A. C. Spark Plug, Milwaukee 2, Wis.
 LINDEMANN, ARTHUR W. (M'55), Design & Research Engr., A. C. Spark Plug, Milwaukee 2, Wis.
 LINDEMANN, HARLEY B. (A'44-M'55), Sect. Mgr., Engrg.
 Dept., Westinghouse Elec. Corp., Friendship Internatl.
 Airport, Baltimore 27, Md.
 LINDEMANN, HARLEY B. (A'44-M'55), Sect. Mgr., Engrg.
 Dept., Westinghouse Elec. Corp., Friendship Internatl.
 Airport, Baltimore 27, Md.
 LINDEMANN, WALLAGE W. (S'50-M'55), Principal Scientist, Mechanical Div., Genl. Mills, Inc., 2003 E.
 Hennepin Ave., Minneapolis 13, Minn.
 LINDEN, ALBERT E. (A'53-SM'57), Asst. Chief Engr.,
 Ground Electronics, Martin Co., Orlando, Fla.
 LINDEN, ALBERT J. (SM'57), Ford Instrument Co., 30-10
 41 Ave., Long Island City 1, NY.
 LINDEN, ALBERT J. (SM'57), Pord Instrument Co., 30-10
 41 Ave., Long Island City 1, NY.
 LINDEN, ALBERT J. (SM'57), Poet Brument Co., 30-10
 41 Ave., Long Island City 1, NY.
 LINDEN, ALBERT J. (SM'57), Poet Brument Co., 30-10
 41 Ave., Long Island City 1, NY.
 LINDEN, ALBERT J. (SM'57), Poet Brument Co., 30-10
 41 Ave., Long Island City 1, NY.
 LINDEN, ALBERT J. (SM'57), Poet Brument Co., 30-10
 41 Ave., Long Island City 1, NY.
 LINDEN, ALBERT J. (SM'57), Poet Brument Co., 30-10
 41 Ave., Long Island City 1, NY.
 LINDEN, ALBERT J. (SM'57), Poet Brument Co., 30-10
 41 Ave., Lon

- Tucson, Ariz.

 LINDENBERG, SAMUEL (M'53), Patent Atty., Lyon & Lyon, 811 W. 7 St., Los Angeles 17, Calif.

 LINDENBLAD, NILS E. (M'34-SM'43-F'48), Research Engr., RGA Labs., Princeton, NJ.

 LINDENFELSER, WILLIAM A. (S'49-A'51-M'56), Sr. Dev. Engr., Electro Data Div., Rummughs Corp., 67 35 St., Brooklyn 32, N.Y.

- Dev. Engr., Electro Data Div., Burnnighs Corp., 67 35 St., Brooklyn 32, N.Y.
 LINDENTHAL, MURRAYW. (S'55-A'57), Electronics Engr., The Martin Co., Baltimore, Md.
 LINDEQUIST, PER T. (M'56), Design Engr., Equipment, Westinghouse Elec. Corp., Box 2B4, Elmira, N.Y.
 LINDER, ALBERT J. (M'58), Assit. Engr., Ford Instrument Co., 30-10 41 Ave., Long Island City 1, N.Y.
 LINDER, ARNO (A'51-M'56), Project Engr., U. S. Naval Training Device Center, Port Washington, L.I., N.Y.
 LINDER, CARL O. (M'56), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.
 LINDER, ERNEST G. (A'40-SM'49-F'55), Research Physicist & Administrator, RCA, Princeton, N.J.
 LINDER, HARRY S. (S'52-A'55), Elec. Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 27, Md.
 LINDER, ISHAM W. (S'56-M'57), Lt. Cmdr., USN, 1730
 La Vereda St., Berkeley 9, Calif.
 LINDER, WILLIAM J. (S'47-A'48-M'51), Research Engr., Boeing Airplane Co., Seattle, Wash.
 LINDERMULLA M. (S'57-A'58), 37 N. Vine St., Hazleton, Pa.
 LINDERMAN, OTTO E. (A'51-SM'57), Sr. Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.
 LINDERS, THOMAS E. (M'57), Design Engr., Lockheed Missile & Space Div., Sunnyvale, Calif.

- Hazleton, Pa.

 LINDERS, THOMAS E. (M'57), Design Engr., Lockheed
 Missile & Space Div., Sunnyvale, Calif.

 LINDEWALL, GEORGE W. (S'54-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.

 LINDGREN, JAMES B. (A'57), Pres., Lind Corp., Research
 Park, Princeton, N. J.

 LINDGREN, TED D. (S'54-M'56) RFD. Harcourt, Iowa.

 LINDGREN, WILLIAM A. (S'52-A'54), Prod. Evaluation
 Mgr., Industrial Nucleonics Corp., 1205 Chesapeake Ave.,
 Columbus 12, Ohio.

 LINDHEIM. FRED H. (M'58), Design & Dev. Engr., RCA
- Columbus 12, Ohio.
 LINDHEIM, FRED H. (M'58), Design & Dev. Engr., RCA
 Victor, Camden 2, N.J.
 LINDHOLM, CARROLL R. (S'48-A'51-M'56), Electronics
 Engr., Rand Corp., 1700 Main St., Santa Monica, Calif.
 LINDHOLM, PETER A. (A'57), Teacher, Radio Communications, Los Angeles Trade Tech. Jr., College, 400 W. Washington Blvd., Los Angeles 15, Calif.
 LINDINCE (INSEMIL (A'55-SM'59), Electronics Scien-
- ington Blvd., Los Angeles 15, Calif.

 LINDINGER, JOSEPH L. (A'55-SM'58), Electronics Scientist, Naval Air Development Center, Aeronautical Instrument Lab., Johnsville, Pa.

 LINDLEY, CALVIN J. (A'58), Service Analyst, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 LINDLEY, JOHN P. (A'55-M'59), Engr., GE Co., Microwave Lab. at Stanford, Palo Alto, Calif.

 LINDLEY, PETER L. (S'44-A'48-S'49-A'51-M'55), Project Sect. Mgr., Burrouphs Corp., Electro Data Div., 460 Sierra Madre Villa Ave., Pasadena, Calif.

 LINDLEY, PORFET A. (A'55), 1001 Glendale Dr., Midwes

- LINDLEY, ROBERT A. (A'58), 1001 Glendale Dr., Midwest City, Okla.
 LINDRER, GIRARD H. (A'50), Electronics Engr., RCA, Camden, N.J.
- Camden, N.J.
 LINDNER, PLERBERT G. (M'45-SM'53), Electronics Engr.,
 U. S. Army Signal Engrg. Labs., Red Bank, N.J.
 LINDNER, NORMAN J. (S'48-A'49-M'55), Sr. Engr., The
 W. L. Maxson Co., 460 W. 34 St., New York 1, N.Y.

- LINDON, JOHN (A'50), Instr., United Radio & Television Institute, 237 Washington St., Newark, N.J.
 LINDORFF, DAVID P. (A'51-M'55), Assoc. Prof., Elec. Engrg., Univ. of Connecticut, Storrs, Conn.
 LINDOW, IRVING L. (A'31-A'39-M'54), Project Engr., U.S. Information Agency, IBS, RE, Washington 25, D.C.
 LINDQUIST, J. RILEE (A'54), Sales Engr., Andrew California Corp., 941 E. Marylind, Claremont, Calif.
 LINDSAY, C. DEREK (SM'59), Electronics Engr., Qualitrol Corp., East Rochester, N.Y.
 LINDSAY, FRANKLIN A. (A'55), Mingt. Consultant, Mc-Kinsey & Co., 60 E. 42 St., New York, N.Y.
 LINDSAY, GERALD A. (S'41-A'45-M'46), Engr., GE Co., Syracuse, N.Y.
 LINDSAY, JAMES D. G. (M'53), Sr. Dev. Engr., Goodyear

- LINDSAY, GERALD A. (S'41-A'45-M'46), Engr., GE Co., Syracuse, N.Y.

 LINDSAY, JAMES D. G. (M'53), Sr. Dev. Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz.

 LINDSAY, JAMES E. (A'53-M'58), Research Physicist, Cornell Aeronautical Lab., Inc., 4455 Genesee St., Buffalo 21, N.Y.

 LINDSAY, JOHN C. (A'45-M'55), Physicist, Naval Research Lab., Washington 10, D.C.

 LINDSAY, JULIAN T. (S'49-A'49-M'55), Asst. Engr., The Magnavox Co., 2131 Bueter Rd., Ft. Wayne, Ind.

 LINDSAY, JULIAN T. (S'49-A'57), Staff Asst., Sandia Base, Albuquerque, N. M.

 LINDSAY, MAXWELL H. A. (A'30-VA'39-SM'50), Chief Engr., Controlled Companies of American District Telegraph Co., 155 6 Ave., New York 13, N.Y.

 LINDSAY, PETER A. (A'55-M'55), Sr. Scientific Staff, The GE Co., Ltd. of England, Valve Research Labs., Wembley, Middx., England.

 LINDSAY, ROBERT L. (M'53), Staff Engr., IBM Engrg.

 Lab., Kingston, N.Y.

 LINDSAY, WALTER R. (A'31-M'45), Chief Engr., WMAQ, NBC, Merchandise Mart. Chicago 54, Ill.

 LNDSAY, WALTER R. (A'55-M'57), Research Assoc., Electronic Defense Group, Engrg. Research Institute, Univ. of Michigan, Ann Arbor, Mich.
- LINDSAY, WILLIAM W., JR. (A'24-M'26-F'39), Research & Dev. Scientist, Consulting Engr., Lockheed Aircraft Corp., ORD, 230 S. Thurston Ave., Los Angeles 49,
- LINDSETH, CLINTON O. (S'4B-A'51-M'56), Engrg. Mgr., R. S. Electronics Corp., 435 Portage Ave., Palo Alto,
- R. S. Electronics Corp., 435 Portage Ave., rano., Calif. LINDSEY, ERNEST B., JR. (M'52), Transmitter Supvr., WLW-A, Crosley Broadcasting of Atlanata, Inc., 1611 W. Peachtree, Atlanata, Ga. (4'52-M'57), Sr. Operational Reservances (4'52-M'57), Sr. Operational Reservances
- LINDSEY, GEORGE R. (A'52-M'57), Sr. Operational Research Officer, RCAF Air Defense Command, St. Hubert, P.Q., Canada.
- LINDSEY, PAUL D. (S'56-M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N J.

- Tel. Labs., Murray Hill, N.J.
 LINDSEY, ROBERT J., JR. (S'56-M'58), 3204 E. Cherry, Seattle 22, Wash.
 LINDSEY, SAMMY E. (S'56-M'59), Dev. Engr., Continental oil Co., 1000 S. Pine, Ponca City, Okla.
 LINDSTROM, GARY M. (M'59), Research & Dev. Engr., Collins Radio Co., 2700 Olive Ave., Burbank, Calif.
 LINDSTROM, GUNNAR (A'46-M'55), Pres., AKK Atomic Power Group, Stureplan 19, Stockholm C, Sweden.
 LINDSTROM, RALPH (A'54), Supvr., Engr. Services, Special Devices Div., Lockheed Aircraft Service, Inc., Box 33, Ortario, Calif.
 LINDTNER, ERNEST G. (A'56), Chief Switchman. Genl.
- LINDTNER, ERNEST G. (A'56), Chief Switchman, Genl. Telephone Co. of Florida, Box 11328, St. Petersburg 33, Fla.
- LINDINER, JERRY (A'56), Journeyman Switchman, Genl Telephone Co. of Florida, Box 1132B St. Petersburg 3 Fla.
- LINE, GEORGE D. (M'45), Traffic Staff Asst., Pacific Telephone & Telegraph Co., 345 Howard St., San Francisco 5, Calif.

- D, Caur.
 LINEBACK, JAMES T. (A'54), Sr. Engr., Texas Instruments, Inc., 8ox 312, Dallas, Tex.
 LINEBARGER, PAUL J. (S'48-A'51), Engrg. Mgr., Ryan-Electronics Div., 2170 Lamita, Torrance, Calif.
 LINEHAM, ROBERT J. (M'56), Sr. Design Engr., Convair, Ft. Worth, Tex.
- Ft. Worth, Tex.
 LINELL, ARTHUR E. (A'47), Technician, WNAC TV-FM,
 Murray St., Malden 48, Mass.
 LINELL, CHARLES S. (A'45), 447 South Blvd., Oak Park,
- III.

 LINES, E. GORDON (A'57), Radio Aids to Navigation, Dept.
 of Transport, 9820 107 St., Edmonton, Alta., Canada.

 LINES, SYDNEY R. (M'57), Electronics Engr., FCC, Washington 25, D. C.

 LINEWEAVER, JACK L. (M'55), Research Physicist,
 Corning Glass Works, Corning, N.Y.
- LING, DALE A. (S'56-M'58), Elec. Engr., Missile & Ordnance System Dept., GE Co., 3198 Chestnut St., Philadelphia, Pa. LING, ETON W. (M'58), Assoc. Engr., IBM, Poughkeepsie, N.Y.
- N.Y. LING, OTTO T. (S'49-A'50-M'53-SM'56), Project Mgr. Link Aviation, Inc., Binghamton, N.Y. LING, THOMAS G. (M'53), Tech. Officer, Transport Dept., Telecommunications Branch, Radio Aids Div., Ottawa, Ont.,
- Canada.
 LINGAFELTER, DUANE P. (S'56-M'58), Service Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 LINGAR, WESLEY E. (S'58-M'59), Elec. Engr., Knoxville Utilities Board, 626 S. Gay St., Knoxville, Tenn.
 LINGELBACH, DANIEL D. (M'56), Asst. Prof., Elec. Engrg., Oklahoma State Juniv., Stillwater, Okla.
 LINGENFELDER, COMRAD C. (M'57), Sr. Flight Test Engr., Convair-Astronautics, San Diego, Calif.

- Engr., Convair-Astronautics, San Diego, Calif.
 LINHARDT, ROBERT J. (S'48-A'49-M'53-SM'57), Engr.,
 RCA, Camden, N.J.
 LINHART, DANIEL J. (M'57), Sales Engr., Hughes Aircraft
 Co., Culver City, Calif.
 LINHART, THEO. F., JR. (S'41-A'45), Pres. & Genl. Mgr.,
 Amoux Corp., 11924 W. Washington Blvd., Los Angeles
 66, Calif.
- LININGER, THOMAS C. (S'57-M'59), Hgrs., Co. 6470th Avn. Pit., USAEPG, Ft. Huachuca, Ariz. LINK, ARTHUR G. (S'56-M'57), Test Engr., Missiles, Bendix Prods., 400 S. Beiger, Mishawaka, Ind.

- LINK, BILLY G。(S'56-M'57), Electronics Engr., San Francisco Naval Shipyard, Hunters Point, San Francisco, Calif.

- Francisco Naval Shipyard, Hunters Point, San Francisco, Calif.

 LINK, J. HAROLD (A'5B), Elec. Engr., Navy Dept.,
 Bureau of Ships, Washington 25, D.C.

 LINK, JOHN C. (A'50—M'55-SM'BB), Electronic Scientist,
 Naval Research Lab., Washington 25, D.C.

 LINK, JOHN M. (M'57), Elec. Design Engr., RCA Victor,
 Camden 8, N.J.

 LINK, THOMAS V. (S'50-A'51-M'5B), Sr. Dev. Engr.,
 Goodyea Aircraft Corp., Akron 15, Ohio.

 LINK, VINCENT F. (S'51-A'52-M'57), Prod. Engr., Westinghouse Elec. Corp., Horscheads, N.Y.

 LINK, WALTER J. (M'57), Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.

 LINK, WAREN F. (S'51-A'53-M'58), Research Engr.,
 Aeronutronic Systems, Inc., 1234 Air Way, Glendale, Calif.
 LINKE, KENT W. (A'55), Field Engr., Philoc Corp., 22 St.
 & Lehigh Ave., Philadelphia 32, Pa.

 LINKER, C. LAVON (A'53-M'58), Sr. Project Engr., Texas
 Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 LINKER, JOE B., JR. (S'48-A'50-M'56-SM'58), Engr.,
 GE Co., Lynchbury, Va.

 LINKLETTER, RICHARD L. (S'38-A'40-M'55), Ordnance
 Engr., Puget Sound Naval Shinvard. Revenador. Misch.

- LINKER, JOE B., JR. (S'4B-A'50-M'56-5M'5B), Engr., GE Co., Lynchburg, Va.

 LINKLETTER, RICHARD L. (S'3B-A'40-M'55), Ordnance Engr., Puped Sound Naval Shipyard, Bremerton, Wash.

 LINN, DOUGLAS L. (S'53-A'55), Research Asst., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.

 LINN, FRED S., JR. (M'57), Engrg. Sect. Head, Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.

 LINN, GLBERT A. (M'59), Sr. Engr., Allen B. DuMont Labs., Clifton, N.J.

 LINN, H. BILL (A'57-M'5B), Electronics Engr., Signal Missile Support Agency, White Sands Missile Range, N. M.

 LINN, S. STEPHEN (M'5B), Deb. Head, Ford Instrument Co., 3010 41 Ave., Long Island City 1, N.Y.

 LINNERTZ, RAYMOND. C. (S'52-A'54), Communication Engr., GE Co., Syracuse, N.Y.

 LINNES, KARL W. (A'51-M'56), Engrg. Group Supvr., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena, Calif.

 LINNET, CHRISTIAN (A'5B), 11B Osterbrogade, Copen-

- Oak Grove Dr., Pasadena, Calif.
 LINNET, CHRISTIAN (A'5B), 11B Osterbrogade, Copenhagen, Denmark.
 LINNEY, FRANCIS J., JR. (A'53), Electronics Engr., The Gillette Safety Razor Co., 15 Gillette Park, Boston, Mass, LINQUIST, GARY A. (A'5B), Electronics Specialist, Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.
 LINQUIST, WILFRED I. (S'52-A'53), Engra, Aide, Gilfillan Bros., Inc., 1815 Venice, Los Angeles 6, Calif.
 LINQUIST, ALBERT A. (S'53-A'54), Mem. Tech. Staff, Space Technology Lab., The Ramo-Wooldridge Corp., Inglewood, Galif.
 LINS, EUGENE G. (S'5B-A'5B), Assoc. Fnor. Boeing Air-LINS, EUGENE G. (S'5B-A'5B), Assoc. Fnor. Boeing Air-
- Insert Technology Lab., The Ramo-Wooldridge Corp., Insert God State Corp., Ins

- LINSKY, ELLIOT F. (M¹57), Elec. Engr., Technitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphia, Pa.
- LINSLEY, ALBERT O. (S'52-A'54), Elec. Engr., Jordan Electronics, 3025 W. Mission Rd., Alhambra, Calif.
 LINSLEY, SCOTT E. (M'58), Asst. Engr., MinneapolisSt. Paul Sanitary District, Box 3598, Childs Rd., St.
 Paul 1, Minn.

- Paul 1, Minn.

 LINSTER, JOHN J., JR. (A'58), Electronics Specialist, FAA, Municipal Airport, Dickinson, N.D.

 LINTON, JOHN H. (M'57), Staff Engr., IBM, Kingston, N.Y.

 LINTON, TOM B. (A'44-M'55), Pres., Kartron, Inc., Humlington Beach, Calif.

 LINTZ, HARLEYE, (M'56), Engr., Voice of The Andes, Sta. HCJB, Vozandes, Casilia 691, Quito, Ecuador.

 LINVILL, JOHN G. (A'49-M'55), Prof., Elec, Engr., Stanford Univ., Stanford Oniv., Stanford Oniv., Stanford Calif.

 LINVILL, WILLIAM K. (M'52), Mem. Sr. Staff, Electronics Dept., Rand Corp., 1700 Main St., Santa Monica, Calif.

- LINVILLE, THOMAS M. (M*52), Mem. Sr. Staff, Electronics Dept., Rand Corp., 1700 Main St., Santa Monica, Calif.

 LINVILLE, THOMAS M. (SM*59), Mgr., Research Operation Dept., GE Co., Schenectady, N.Y.

 LINZER, GEORGE M. (A*57), Pres., Cranford Radio, Inc., 26 Eastman St., Cranford, N.J.

 LIONG, LIAUW K. (M*55), Tech. Mgr., Djalan Asia-Afrika 116, Bandung, Indonesia.

 LIPCHAK, JOHN B. (M*57), Asst. Engr., Westinghouse Elec. Coro., Braddock Ave., East Pittsburgh, Pa.

 LIPETZ, NATHAN (S*48-A*53-M*58), Sect. Chief, U. S. Army Signal Engr., Labs., Ft. Monmouth, N.J.

 LIPIN, BERNARD (S*47-A*48-M*55), Engr., Low Power Test Facilities, Westinghouse Aircraft Gas Turbine Div., Box 288, Kansas City, Mo.

 LIPINGGA, LEONARD (S*57-M*58), Circuit Design Engr., Raytheon Mgc. Co., Maynard, Mass.

 LIPINSKI, ZYGMUNT J. (S*50-A*51-M*57), Installation Planning Administrator, Electonic Data Processing Div., RCA, Camden 2, N.J.

 LIPKE, DAVID W. (S*53-M*57), Electronics Scientist, AF Cambridge Research Center, Bedford, Mass.

 LIPKIN, LOUIS (S*46-A*49-M*55-SM*57), Project Engr., Chrysler Coro., Box 262B, Detroit, Mich.

 LIPKIN, WALTER (S*50-A*51-M*56), V.P., North Atlantic Industries, Inc., 603 Main St., Westbury, L.I., N.Y.

 LIPMAN, CHESTER E. (A*44-M*51), Supvr., Tech., Procurement Services, Hughes Aircraft Co., Culver City, Calif.

 LIPMICK, JACK (A*57), Fleid Engr., CBS-Hytron, Inc., 100 Endicott St., Danvers, Mass.

 LIPNICK, JACK (A*57), Fleid Engr., CBS-Hytron, Inc., 100 Endicott St., Danvers, Mass.

 LIPNICK, JAMES W. (A*57), Tech. Specialist, GE Co., Syracuse, N.Y.

- LIPOWITZ, EUGENE (A'59), Design Specialist, Martin Co., Orlando, Fla. LIPP, JAMES P. (A'54-M'57), Consulting Engr., GE Co., Advanced Electronic Center at Cornell Univ., Ithaca, N. Y. LIPPEL, 8ERNARD (A'47-M'55), Consultant, Physical Sciences Div., U. S. Army Signal Engrg. Labs., Ft.
- LIPPEL, BERTHOLD (S'52-A'53-M'56), Assoc. Engr., IBM, Poughkeepsie, N.Y.
- IBM, Poughkeepsie, N.Y.

 LIPPERMAN, LAWRENCE (M'56), Engr., Devenco, Inc.,
 117 Liberty St., New York, N.Y.

 LIPPERT, GEORGE R. (A'45-SM'55), Dir., Tech.
 Services, Victoreen Instrument Co., 5806 Hough Ave.,
 Cleveland 3, Ohio.
- LIPPERT, HAROLD 8. (A'42-M'45-SM'5B), Supvr., GE Co., Syracuse 1, N.Y. LIPPINCOTT, ELLWOOD W. (M'53), Radio Engr., Weyer-haeuser Timber Co., 8ox 420, Centralia, Wash. LIPPINCOTT, SOUTHARO (S'54-M'57), Engr., Test Equipment Sect., Microwave Associates, Inc., Burlington, Mass.
- LIPPITT, DAVID L. (A'54), Dev. Engr., GE Co., Schenec-
- Lady, N.Y.

 LIPPITT, KENDRICK H. (M'46–SM'55), Sales Engr., D. S. Kennedy & Co., 155 King St., Cohasset, Mass.

 LIPPITT, MAXWELL W., JR. (S'54–M'56), 159D

 Wendell Ave., Schenectady, N.Y.

 LIPPKE, BRUCE R. (S'54–M'56), Lt. jg., USN, Talos Tech.

 Officer, U. S. Naval Ordnance Missile Test Facility, White

 Sands Missile Range, N. M.

 LIPPKE, JAMES A. (M'55), Acting Mng. Editor, Electronic Design, Hayden Publishing Co., Inc., 19 E. 62 St., New York, N.Y.
- LIPPMAN, LEO (A'54-M'57), Customer Service Rep., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.

- Monica, Calif.

 LIPPMANN, JOSEPH S. (A'58), Applications Engr., Royal Precision Corp., Port Chester, N. Y.

 LIPPMANN, SEYMOUR A. (M'4B), Research Engr., U.S. Rubber Co., 6600 E. Jefferson Ave., Detroit 21, Mich. LIPPNER, BERNARD (A'58), 7 Clark St., Cresskill, N.J. LIPPS, EDWIN A. (M'57), Edwin A. Lipps, 1511 Colorodo Ave., Santa Monica, Calif.

 LIPSCHITZ, NATHANIEL L. (S'51-M'59), Sr. Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N. Y.
- N. Y.

 LIPSCOMB, EARL W. (S'42-A'44-SM'48), Pres., Earl Lipscomb Associates, 3605 Inwood Rd., Dallas 9, Tex. LIPSCOMB, JAMES L. (A'39-M'58), Chlef, Automation Systems Branch, FAA, Washington 25, D.C.

 LIPSCOMB, R. FREDERICK (M'56), Prod. Engr., Western Electric Co., Marion & Vine Sts., Laureldale, Pa. LIPSET, LESTER 8, (M'57), Test Engr., Narda Microwave Corp., 134 Herrick's Rd., Mineola, L.I., N.Y. LIPSEY, ELMER M., (M'57), Lt. Cmdr., USCG, Washington 25, D.C.

 LIPSKI, DONALD 8. (S'56-M'57), Engr., Trainee, Chrysler Corp., Missile Operations, 80x 2628, Detroit, Mich.

 LIPSKY, ALAN H. (S'54-M'56), Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 LIPSKY, STEPHEN E. (S'50-A'54-M'56), Project Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72., N. Y.

 LIPSON, WILLIAM (M'52), Genl. Mor., Tri Ph.), Inc.

- T2, N.Y.

 LIPSON, WILLIAM (M'52), Genl. Mgr., Trl Phl, Inc.,
 141 Albertson Ave., Albertson, L.I., N.Y.

 LIPSZYC, OTTO F. (SM'59), Sr. Research Asst., Microwave
 Research Institute, 55 Johnson St., Brooklyn, N.Y.

 LIPTEN, BERNARD (M'58), Sr. Engr., The Martin Co.,
 Orlando, Fla.

 LIPTON, MURRAY H. (S'48-A'55), Project Engr., Radlo
 Relay Branch, Transmission Facilities Div., U.S. Army
 Signal Engrg. Labs., Ft. Momouth, N.J.

 LISAK, LEE R. (S'58-M'59), Electronics Engr., ConvairAstronautics, 80x 1128, San Diego 16, Calif.

 LISANTI, ANTHONY G. (A'57), Field Technician, Burroughs
 Corp., 511 N. Broad, Philadelphia, Pa.

 LISBIN, DAVID M. (M'55) Fellow Engr., Westinghouse

- Corp., 511 N. Broad, Philadelphia, Pa.
 LISBIN, DAVID M. (M'55) Fellow Engr., Westinghouse
 Elec. Corp., Box 1897, Baltimore 3, Md.
 LISBOA, MAX H. DE. A. (S'57-M'58), Av. Moreira E. Silva,
 54F, Farol, Macelo, Alagoas, Brazil
 LISEWSKI, EUGENE E. (A'50), Dev. Engr., Burnell &
 Co., Inc., 10 Pelham Pkwy, Pelham Manor, N.Y.
- LISICKY, ANTON J. (S'50-A'51-M'56), Radar Engr., RCA, Moorestown, N. J.
- LISIECKI, MARIAN (A'50), Sr. Engr., Chrysler Corp., Box 2728, Detroit 31, Mich. LISK, HAROLD H. (M'56), Administrative Asst., Hazeltine Electronics Div., Little Neck 62, L.J., N.Y.

- Electronics Div., Little Neck 62, L.I.N., Y.

 LISKA, RUDOLPH W. (M'56), Sr. Electronics Engr.,
 Motorola, Inc., Phoenix, Ariz.

 LISKIEWICZ, WALTER T. (S'55-M'56), Design Engr.,
 Engr., Staff, Ford Motor Co., Dearborn, Mich.

 LISLE, JOHN (A'50-M'55), Pres., Audio Labs., Inc.,
 808 Mohican St., Bethlehem, Pa.

 LISLE, JOHN R. D. (A'44-M'46), Engr., RCA, 1001
 Lenoir St., Montreal, P.O., Canada.

 LISCW, SKI, EDWARD M. (A'56-M'56), Dayton Ren.,
 Geni. Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.

 LISOWSKI, JACK R. (S'53-M'56), Elect. Engr.,
 Remington Rand Univac, 2750 W. 7, St. Paul 16, Minn.

 LISS, OUUGLAS M. (M'55), Electronics Scientist, U.S.
 Naval Air Development Center, Johnsville, Pa.

 LISS, FABIAN T. (A'53-M'58), Electronics Scientist,
 Diamond Ordnance Fuze Labs., Washington 25, D.C.

 LISS, IRVING M. (M'56), Sales Engr., Avo Aircraft,
- Diamond Ordnance Fuze Labs., Washington 29, D.C.
 LISS, IRVING M. (M'56), Sales Engrg., Avro Aircraft,
 Ltd., 80x 4004, Temminal A, Toronto, Ont., Canada.
 LISS, MURRAY (M'56), Dev. Engr., American Bosch
 Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.
 LISSAUER, SAUL (S'41-A'44-SM'54), Mem. Tech. Staff,
 Hughes Prods., Box 90427, Los Angeles 43, Calif.
 LIST, BERNARD H. (S'46-A'52-M'57), Sect. Head, Texas
 Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 LISTER, EUGENE C. (M'59), Chief Elec. Engr., Stanley
 Engrg. Co., Hershey Bldg., Muscatine, Jowa.
 LISTON, DARREL H. (M'57), P. Do. 90 951, Holloman

- Engrg. Co., Hershey Bldg., Muscatine, Jowa.
 LISTON, DARREL H. (M'57), P.O. Box 951, Holloman
 AFB, N.M.
- LISTON, JACK (S'52-A'54), Elec. Engr., RCA, Moorestown.

LISTON, KEITH L. (S'50-A'51), Chief Engr., Research & Dev., Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago, III.

- 270 -

- Ave., Chicago, III.

 LISTON, WAYNE S. (S'55-M'58), Engr., Delco-Remy Div.,
 GMC, Columbus Ave., Anderson, Ind.
 LISY, BERT J. (M'58), Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.

 LISZEWSKI, THEODORE M. (S'58-M'59), 14 Hanover
 Ave., Boston 13, Mass.

- Ave., Boston 13, Mass.
 LITCHFIELD, JOHN F. (S'53-A'53-M'59), Elec. Engr., Canadian Broadcasting Corp., Box 10, Snowdon, Montreal 29, P.Q., Canada.
 LITCHFIELD, PAUL O. (A'54), Electronics Technician, Geni. Radio Co., 22 Baker Ave., West Concord, Mass.
 LITCHFORD, GEORGE 8. (M'44-SM'54), Dept. Head, Airborne Instrument Lab., Mineola, L.I., N.Y.

- Airborne Instrument Lab., Mineola, L.I., N.Y.
 LITCHINSKY, SAMUEL (M'56), Owner-Operator, S.
 Litchinsky, Radio, TV, Hi-Fi, 1221 Kensington Rd.,
 Calgary, Alta., Canada.
 LITOT, PAUL A. (S'51-A'52), Research Engr., Boeing
 Airplane Co., Seattle 14, Wash.
 LITSIOS, JOHN (A'55), Mgr., Missile Support Dept., W. L.
 Maxson Corp., 460 W. 34 St., New York 1, N.Y.
 LITSIOS, SOCRATES (S'55-M'57), Engr., Lincoln Labs.,
 MIT, Lexington 73, Mass.
 LITTELL, CHARLES C., JR. (A'42-M'4B), Owner,
 Engineering Associates, 434 Patterson Rd., Dayton 19,
 Ohio.

- Unio.
 LITTENBERG, WILLIAM (S'50-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Los Angeles 45, Calif.
 LITTENBER, JAMES E. (S'54-A'55), Sr. Design Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 19, Ohio.
 LITLE, BRUCE W. (A'55), Sr. Engr., Aerojet Genl. Corp., 6352 Irwindale, Azusa, Calif.
- LITTLE, CHARLES G. (M'56), Chief, Radio Astronomy & Arctic Propagation Sect., CRPL, Natl. Bureau of Standards, Boulder, Colo.
- LITTLE, CHARLES P. (S'57-A'58), 4400 Turner Ave., Oakland 5, Calif.
- LITTLE, DAVID E. (M'56), Project Engr., Test Equipment Design, Hughes Aircraft Co., Box 11337, Tucson, Ariz. LITTLE, DAVID S. (J'22-A'24-SM'47), Staff Mgr., Airway Aids, American Airlines, Inc., LaGuardia Field, Flushing 71, L.I., N.Y.
- LITTLE, DAVID W. (S'54-M'56), Engr., GE Co.,
- Syracuse, N.Y.
 LITTLE, DONALD G. (A'20-M'27-F'29)(L), Retired,
 40B Old Orchard Rd., Baltimore 29, Md.
 LITTLE, DONALD R. (M'55), Operations Analyst, GE
 Co., TEMPO, Santa Barbara, Calif,
 LITTLE, DONALD R. (M'56), Sr. Research Engr., CurtissWidth Corp. Outshape, Pa.

- LITTLE, DONALD R. (M'56), Sr. Research Engr., Curtiss-Wright Corp., Quehann, Pa.

 LITTLE, ELBERT P. (A'53-M'59), Asst. to Pres., Educational Services, Inc., 164 Main St., Watertown 72, Mass.

 LITTLE, FRANK A. (M'52-SM'57), Sr. Group Engr.,

 Boeing Airplane Co., Seattle 24, Wash.

 LITTLE, HARDIE H., JR. (A'58), Electronics Technician,

 Boeing Airplane Co., Wichita, Kan.

 LITTLE, HUBBARD (A'57), Pres., Universal Drafting

 Machine Corp., Cleveland, Ohio.

 LITTLE, JOHN B. (SM'52), Engrg. Consultant, Corporate

 Staff; IBM, 590 Madison Ave., New York 22, N.Y.

 LITTLE, JOHN L. (M'56), Electronics Scientist, National

 Bureau of Standards, Washington 25, D.C.

 LITTLE, JOSEPH T., (S'49-A'50-M'58), Chief, Naviga-
- LITTLE, JOSEPH T. (S'49-A'50-M'58), Chief, Navigational Aids Sect., Electronics Est. 8r., FAA, 8ox 440, Anchorage, Alaska.
- Anchorage, Alaska,
 LITTLE, NOEL C. (4'36-VA'39-M'55), Head, Physics
 Dept., Bowdoin College, Brunswick, Me.
 LITTLE, PAUL R. (S'54-M'58), Lt. jg., USN, U.S.
 Guided Missile Unit 90, Bonham Detachment Navy 14,
 FPO, San Francisco, Calif.

- Somewhard Company Detachment Navy 14, FPD, San Francisco, Calif.

 LITTLE, RALPH V., JR. (M'55), Asst. Chief Engr., Brush Instruments Div., (Levite Corp., 37 & Perkins Ave., Cleveland 14, Ohio.

 LITTLE, ROBERT P. (A'45-M'52), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 LITTLE, ROBERT P. (A'45-M'52), Deputy Chief, Maint. Mngt. Branch, FAA, 17 & Constitution, Washington 25, D.C.

 LITTLE, THIODORE D. (A'53), Capt., USAF, Directorate of Flight & All Weather Testing, Wright-Patterson AFB, Ohio.

 LITTLE, THOMAS P. (M'55), Project Engr., Wells-Gardner & Co., 2701 N. Kildare, Chicago, Ill.

 LITTLE, WILLIAM A. (M'57), Engr., Dev. Dept., Texas Instruments, Inc., Box 7124, Inwood Sta., Dallas 9, Tex.

 LITTLE, WILLIAM A. (A'41), 107 Serrano Dr., San Francisco 27, Calif.

 LITTLEBOY, HENRY S. (M'55-SM'59), Project Engr.

- Francisco 27, Calif.
 LITLEBOY, HENRY S. (M'55-SM'59), Project Engr.,
 Melpar, Inc., 11 Galen St., Watertown, Mass.
 LITLEFIELD, DONALD F. (S'54-M'56), Dev. Engr.,
 Western Electric Co., Chatham Rd., Winston-Salem, N.C.
 LITLEFIELD, JAMES T. (S'50-A'51), Tech. Rep. (Naval
 Aviation Electronic Service Unit, NRS, Washington 25, D.
 C.), Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32,
 Pa.
- LITTLEFIELD, KENNETH E. (S'54-M'57), Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- Calif.
 LITTLEFORD, ARTHUR C. (S'56-M'59), Staff Mem.,
 Sandia Corp., Sandia Base, Albuquerque, N.M.
 LITTLEJOHN, CHARLES E. (S'57-M'59), Engr., Sperry
 Microwave Electronics Co., Box 1828, Clearwater, Fla.
 LITTLEJOHN, HENRY C. (A'41-M'55), Electro-Mech.
 Design & Standards Head, Genl. Radio Co., 22 Baker Ave.,
 West Concord, Mass.
- west Concord, Mass.
 LITTLEJOHN, HUGH S. (M'56), Head, Engrg. Services,
 Servonics, Inc., 822 N. Henry St., Alexandria, Va.
 LITLEPAGE, CHARLES M. (S'54-A'55), Assoc. Engr.,
 Emerson Research Labs., 1140 East-West Hwy., Silver
- LITTLEPAGE, CLARENCE R., JR. (S'57-M'59), Elec. Engr., GE Co., LMED, Utica, N.Y. LITTLER, DONALD (M'57), Dev. Engr., Sperry Gyroscope Co., 294 Commercial, Sunnyvale, Calif.
- LITTLETON, DONALD A. (A'57), Electronics Specialist, FAA, Box 79, Casper, Wyo.
 LITTLETON, WILLIS W. (M'57), Plant Chief Engr., Internatl.
 Resistance Co., Greenway Rd., Boone, N.C.

- LITTNER, GEORGE H. (S'49-A'51-M'55), Research Engr., Mergenthaler Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
- N.Y.
 LITTON, CHARLES V. (A'25-SM'44-F'47), Pres., Litton Engra. Labs., Shaw's Hill, 80x 949, Grass Valley, Calif.
 LITTON, VERNON M. (A'56), Instrument Technician, Emersor Electric Mfg. Co., 8100 W. Florissant, St. Louis 21, Mo.
 LITWIN, JOHN D. (A'52), Chief Designer, Hamilton Industrial Designers, 80x 432, Hamilton, Ont., Canada.
- LITWIN, MANUEL M. (M'56), Methods & Dev. Engr., Northern Electric Co., 1261 Shearer St., Montreal, P.Q.,

- Canada.

 LITWIN, ROMUALD (M'59), Instr., Tech. Univ. of Warsaw, Warsaw, Poland.

 LITWIN, SAMUEL (S'49-A'53-M'58), Computing Systems Engr., Natl. Cash Register Co., Dayton 10, Ohio.

 LIU, FREDERICK F. (A'52-M'57), Exec. V.P. & Dir., Applied Research, Dresser Dynamics, Inc., 18157 Napa St., Northridge, Calif.

 LIUCCI, CHARLES A. (S'52-A'54), Sr. Project Engr., Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

- N. J.
 LIUZZA, VICTOR (A'57), Dev. Engr., McDonnell Aircraft Corp., Box 516, St. Louis, Mo.
 LIVANT. WALTER (M'59), R.D. 1, Ludlowville, N.Y.
 LIVELY, JOE D. (S'57-M'59), Test Engr., Convair-Astronautics, San Diego 12, Calif.
 LIVERA, A. L. (M'46), Secy.-Treas., A. S. Livera & Associates, inc., James Bidg., Madison, N. J.
 LIVERIOS, DEMETRIOS T. (S'55-M'57), Design Engr., Brookhaven Natl. Lab., 55 Brookhaven Ave., Upton, L.I., N.Y.
- Brookhaven Natl. Lao., 25 Brookhaven L.I., N.Y.
 LIVESAY, MEADE A. (SM'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 LIVESAY, ROBERT (A'53), Electronics Engr., Sun Oil Co., Sun Physical Lab., 8ishop Hollow Rd., Newton Square, Pa.
 LIVEZEY, FRED M. (S'50-A'52-M'58), Instr., The Moore School of Elec. Engrg., Univ. of Pennsylvania, Philadelphia
- LIVEZEY, JACK A. (S'56-M'58), Electronics Engr., U.S. Naval Ordnance Test Sta., 3202 E. Foothill, Pasadena, Calif.
- Calif.

 LIVIAKIS, GEORGE J. (A'54-M'58), Dev. Engr. Aerojet Genl. Corp., 80x 1947, Sacramento, Calif.

 LIVINGSTON, DONALD C. (5'51-A'52-M'52-SM'53), Engr. Specialist, Sylvania Elec. Prods., Inc., Physics Labs., Bayside 60, L.I., N.Y.

 LIVINGSTON, IREN (S'58-M'59), 1021 N.W. 180 Ter., Miami 69, Fla.

- Miami 69, Fla.

 LIVINGSTON, JACK L. (S'49-A'50-M'56), Sr. Engr.,
 Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LIVINGSTON, PAULE I. (S'57-A'58), Staff Asst., Sandia
 Corp., Sandia Base, Albuquerque, N.M.

 LIVINGSTON, THOMAS C. (M'57), TV Engr., Jefferson
 Standard Broadcasting Co., Charlotte, N.C.

 LIVINGSTON, WILLIAM C. (A'57), Astronomer, AURA, Inc.,
 1033 N. Park Ave., Tucson, Ariz.

 LIVINGSTON, WILLIAM D. (M'56), Jr. Engr., StrombernLIVINGSTON, WILLIAM D. (M'56), Jr., Engr., StrombernLIVINGSTONE, JAMES K. (M'56), Jr., Engr., Strombern-
- Parkville, Mo.
 LIVINGSTONE, JAMES K. (M'56), Jr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 LIVINGSTONE, ROBERT H. (S'55-M'57), Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 LIVIS, MANUEL J. (A'52), Supvr., Canadian Avlation Electronics, Ltd., 80x 630, Ville St. Laurent, P.Q., Canada.

- Canada.
 LIVSEY, ROBERT A. (S'57-M'58), 2472 Queenston,
 Cleveland Heights 18, Ohio.
 LIZAK, NORMAN E. (S'55-A'59), Instrument Technician,
 Beckman Instrument, Inc., 4914 W. Belmont, Chicago, III.
 LIZOTTE, OMER A. (A'45-M'52), Field Engr., MIT,
 Round Hills, South Dartmouth, Mass.
- LIZZIO, JOSEPH (A'47), Chief, Radar Systems Engrg. Sect., FAA, Federal Bldg., New York Internati. Airport, Jamaica, L.I., N.Y.
- LJUNGMAN, NILS H. (S'57-M'58), Elec. Engr., Telefonak-tiebolaget, L M Ericsson, Molndalsfabriken, Gothenburg,
- LLEWELLYN, ARTHUR D. (M'55), Design & Dev. Engr.,
- LLEWELLYN, ARTHUR D. (M'55), Design & Dev. Engr., RCA, Camden, N.J., LLEWELLYN, FREDERICK B. (A'23-F'38), Asst. to Pres., Bell Tel., Labs., 463 West St., New York 14, N.Y. LLEWELLYN-THOMAS, EDWARO (M'46), Physician, Defence Research Medical Labs., Box 62, Sta. K., Toronto, Ont., Canada.
- LLOYD, ALLAN G. (A'56), Engr., Daven Co., Livingston,
- N.J. LLOYD, ALLISON L. (M'58), Electronics Engr., G.F. Wright Steel & Wire Co., 243 Stafford, Worcester 3, Mass. LLOYD, ARNOLD T. (A'44-M'53), Sr. Project Engr., Special Devices Div., Lockheed Aircraft Service, Inc., Internati. Airport, Ontario, Calif.
- LLOYD, 8RUCE H. (M'56), 1113 Fairy Ave., Panama City,
- Fla.

 LLOVD, C. GRAYDON (M'45-SM'51), Genl. Mgr., Specialty
 Electronic Components Oept., GE Co., Aubum, N.Y.

 LLOVD, DANNEL (M'59), Electronics Engr., Canadian
 Marconi Co., Box 994, St. John 's, Nfld., Canada.

 LLOVD, J
- LLOYD, JOHN W., JR. (S'52-A'53), Assoc. Engr., I8M, Owego, N. Y.
 LLOYD, JOHN W.F. (S'57-M'59), Instr., Elec. Engrg., Northeastern Univ., Boston 15, Mass.
 LLOYD, LAURANCE H. (A'39-M'47-SM'54), Chief, Evaluation DIV., Hors., USAF, Wright-Patterson AFB, Ohio.
 LLOYD, ROBERT H.F. (M'59), Oesign Engr., RCA, Somerville, N.J..
 LLOYD, WHITTEN P. (M'57), Project Engr., Genl. Time Corp., 111 N. Canal St., Chicago, III.
 LO, ARTHUR W. (S'43-A'50-SM'56), Research Engr., RCA Lab., Princeton, N.J.

- LO, YUEN-TZE (S'49-A'53-M'58), Asst. Prof., Univ. of Illinois, Urbana, III.
 LOAR, HOWARD H. (A'54), 8ell Tel. Labs., Murray Hill,
- LO8, CHESTER G. (A'48-M'55), Mgr., Low Power Traveling Wave Tubes, Microwave Lab., GE Co., 601 California Ave., Palo Alto, Calif.

- LOBB, CHARLES W. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. LOBEL, DAVID J. (S'51-A'53-M'58), Engr., RCA, Fitght Lab., Box 1507, Wilmington, Del. LOBRISE, CARL J. (S'57-M'58), Jr. Professional Engr., U.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.
- LOCANTH, JOHN (\$'54-A'55), Engr., Westinghouse Elec. Corp., Box 355, Pittsburgh 30, Pa. LOCANTHI, BART N. (\$'47-A'48-M'55), Chief Engr., Computer Engrg. Associates, 350 N. Halsted Ave., Pasadena, Calif.
- Pasaoena, Calil.

 LO CASCIO, GEORGE P. (M'56), Microwave Antenna Engr., Genl. Bronze Corp., Stewart Ave., Garden City, L.I., N.Y.

 LO CASCIO, RUSSELL J. (5'50-A'52-M'57), Dev. Engr., Robertshaw-Fulton Controls Co., 401 N. Manchester Blvd., Anahelm, Calif.
- LOCH, RONALD D. (A'57), Medical Electronics Supvr., College of Medicine, Univ. of Nebraska, 4215 Emile, Omaha, Neb.
- College of Medicine, Univ. of Nebraska, 4215 Emile, Omaha, Neb.

 LOCHANKO, ADAM A. (M'54), Design Engr., Canadian GE Co., Ltd., 830 Lansdowne Ave., Toronto, Ont., Canada. LOCHARD, JEAN C. (4'38-M'56), Col., Transmissions, Comite D'Action Scientifique de Défense Nationale, 37 Blvd. de Port Royal, Paris 13, France.

 LOCHER, JOHN P., Ill (S'56-M'57), Tech. Staff, Mitre Corp., Lexington 73, Mass.
 LOCK, FRANK J., JR. (M'58), Systems Engr., Burroughs Corr., Burroughs Dr., Radnor, Pa.
 LOCK, ROBERT W. (A'9-M'55), Component Engr., Convair, Pomona, Calif.
 LOCKARD, DANIEL T. (S'57-M'58), Test Planning Engr., Western Electric Co., Burlington, N.C.
 LOCKE, ARTHUR S. (SM'58), Dir., Viltro Labs., 200 Pleasant Vailey Way, West Orange, N.J.
 LOCKE, JOHN R., JR. (M'53-SM'56), Engr., GE Co., Syracuse, N. Y.
 LOCKE, JOHN R., JR. (M'53-SM'56), Engr., GE Co., Syracuse, N. Y.

- LOCKE, RICHARD V., JR. (A'54), Lab. Tech. Asst., Schlumberger Well Surveying Com., Box 2175, Houston 1, Tex.
- LOCKE, ROGER 8. (M'58), Field Engr., Bendix Radio Div., Owings Mills, Md.

- Owings Mills, Md.
 LOCKER, MELVILLE H. (S'53-M'56), Engr., Sperry
 Gyroscope Co., Great Neck, L. I., N.Y.
 LOCKER, ROBERT J. (M'58), Design Engr., GE Co.,
 3198 Chestnut St., Philadelphia, Pa.
 LOCKETT, DONALD E. (S'56-M'58), Computer Programmer,
 IBM, Poughkeepsie, N.Y.

- LOCKETT, DONALD E. (\$'56-M'58), Computer Programmer, IBM, Poughkeepsle, N. Y.

 LOCKHART, BRUCE W. (\$'50-A'51-M'56), Project Engr., Link Aviation, Inc., Binghampton, N. Y.

 LOCKHART, ELDON H. (A'53-M'56), V. P., Radiatronlos, Inc., 5956 Kester Ave., Van Nuys, Calif.

 LOCKHART, ELDON H. (A'46-M'55), Mgr., Delay Line Div., Lab. for Electronics, Inc., 1079 Commonwealth Ave., Boston 15, Mass.

 LOCKHART, HARRY H. (A'43-M'55), Electronics Engr., USN Air Development Center, Johnsville, Pa.

 LOCKHART, JOHN C., JR. (A'43-M'55), Electronics Engr., USN Air Development Center, Johnsville, Pa.

 LOCKHART, ROBERT W. (A'43-SM'51), Suppyr, Instrumentation Unit, Special Prods, Dept., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 LOCKLAIR, JAMES M. (S'57-M'59), Support Systems Project Engr., Federal Electric Corp., Paramus, N. J.

 LOCKMOD, EDWARD C. (A'29-M'45-SM'52), Chief Engr., WGBS, Storer Broadcasting Co., 1605 Biscayne Blvd., Miami 32, Fla.

 LOCKWOOD, EDWIN H. (SM'55), Project Engr., Melpar, Ingr., 3000 Aviinaton Blvd. Estic Church. V.

- Wubb, Store Broadcasting Co., 1605 Biscayne Blvd., Maimi 32, Fla.

 LOCKWOOD, EDWIN H. (SM'55), Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LOCKWOOD, FELLX P., JR. (A'58), Instr., Martin Co., Baltimore 20, Md.

 LOCKWOOD, GEORGE C. (A'50-M'55), Elec. Engr., Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio.

 LOCKWOOD, LAWRENCE W. (A'47-M'55), Tech. Dir., NBC., 30 Rockefeller Plaza, New York 20, N. Y.

 LOCKWOOD, MYRON D. (M'46), Mgr., Surface Armament Div., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 LOCKWOOD, ROBERT C. (SM'57), V. P., Instruments for Industry, Inc., Mineola, L. I., N. Y.

 LOCKWOOD, ROBERT L. (M'57), Elec. Engr., Remington Rand Univac, St. Paul, Minn.

 LOCKWOOD, ROBERT A. (A'53), Capt., USAF, Communications Officer, Home: 1227 N. Crescent Hgts., Los Angeles 46, Calif.

 LOCKWOOD, VINSON M. (M'58), Head, Performance Analy-
- LOCKWOOD, VINSON M. (M'58), Head, Performance Analysis Group, Hughes Aircraft Co., Tucson, Ariz.
 LOCKWOOD, WAYNE H. (S'56-A'57), Maint, Engr., Measurement Research Center, State Univ. of Iowa, N-4 E., Hall, Iowa City, Iowa.

- lowa City, Iowa.

 LOCKYER, JOHN E. (A'58), Sr., Test Engr., Avro Aircraft, Ltd., Malton, Ont., Canada.

 LOCUS, S. STANLEY (SM'58), Engrg. Consultant, 7455
 Tyrone Ave., Van Nuys, Calif.
 LODA, C. HARLES J. (SM'53), Dir., Research, Edo Corp., 13-10 111 Ave., College Point, L.I., N.Y.
 LODATO, JOSEPH S. (S'49-A'53-M'58), Electronics Engr., U.S. Govt., U.S. Naval Sta., New Orleans 40, La.

 LODE, TENNY (S'49-A'53-M'58), Chief Engr., Tenlo Research Corp., 5445 James Ave., S., Minneapolis 19, Minn.

 LODE, ALVIN (A'59), Day Engr. Lodge Dundagaset

- Minn.

 LODGE, ALVIN (A'59), Dev. Engr., Lodge Development Service, 1000 Ford Ave., Erie, Pa.

 LODGE, CHESTER R. (M'55), Assoc. Prof., San Diego State College, San Diego 15, Calif.

 LODGE, LAWRENCE L. (A'47), Research & Dev. Asst., Sandia Corp., Sandla Base, Albuquerque, N.M.

 LODGE, WILLIAM B. (A'34-M'37-SM'43-f'49), V.P., Affiliate Relations & Engra, C85 Television Network, 485 Mrdison Ave., New York 27, N.Y.

 LOEB, JULIEN M. (SM'55), Consultant, Compagnie Generale de Geophysique, 96 Av. Verdier, Montrouge (Seine) France.

 LOEB, MAVIN (S'48-N'52-M'57), Sr. Electronics Engr., Convair-Astronautics, San Diego, Calif.

 LOEB, PAUL (S'53-M'55), Elec. Engr., RCA, Camden 2, N.J.

- LOEB, WILLIAM S. (A'45-M'55), Communications Maintenance, (Co-owner), Huntsville Radio, 214 Randolph St., Huntsville, Ala.
- LOEBE, LEW V. (M'59), Electronics Scientist, USN Elec-tronic Lab., San Diego 52, Calif. LOEBER, CARL W. (A'45-M'45-SM'56), Dep. Chief, Fre-quency Allocation Group, AFOAC, USAF, Pentagon, Wash-ington 25, D. C.
- Ington 25, D. C.
 LOEBER, NORMAN C. (A'58-M'58), Mgr., Special Prod.
 Engrg. Dept., IBM, San Jose 14, Calif.
 LOEBL, WILLIAM W. (S'49-A'51-M'56), Project Engr.,
 Olympic Radio & Television, Inc., 34-01 38 Ave., Long
 Island City, N.Y.
- LOEBUR, EGON E. (M'53-SM'56), Research Physicist, RCA, Princeton, N. J.

 LOECHER, GERALD S. (S'48-A'51-M'58), Chief Engr., Colortone Electronics, Inc., 200 Frank Rd., Hicksville, L. I., N. Y.

- L.I., N.Y.

 LOEFFLER, TIBOR F. (S'55-M'56), Field Engr., Burroughs Corp., 511 N. Broad St., Philadelphia, Pa.

 LOEFFLER, WILLIAM J., JR. (S'57-M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck. L.I., N.Y.

 LOEHR, ROBERT A. (A'57), Industrial Specialist, American Bosch Arma Corp., Roosevelt Field, Garden City, N.Y.

 LOEHRKE, HARRY F. (SM'58), Dev. Engr., Owens-Illinols Glass Co., 1700 N. Westwood, Toledo 7, Ohio.

 LOEKLE, OTTO J. (S'53-A'55), Assoc. Engr., IBM, Kingston, N.Y.

 LOEPER, CHARLES J. (S'50-A'52-M'57), Engr.
- ston, N.Y.

 LOEPER, CHARLES J. (S'50-A'52-M'57), Engr., GE Co.,
 3198 Chestnut St., Philadelphia, Pa.

 LOESCH, BUCHANAN (M'57), Staff Engr., Dunn Engrg.
 Associates, Cambridge, Mass.

 LOESCH, CHARLES A. (M'55), Electron Tube Engr., RCA,
 Avenel, N.J.

 LOESCH, LOSSCHUR, D. C. (LOSSCHUR, DESCRIPTION OF THE PROPERTY OF THE
- Avenel, N.J.

 LOESING, JOSEPH B., JR. (A'51), Asst. Genl. Sales Mgr., The Richardson Co., 75 West St., New York 6, N.Y.

 LOEV, DAVID (S'51-A'55), Systems Engr., RCA, Moores-

- LOEV, DAVID (6'51-A'55), Systems Engr., RCA, Moorestown, N. J.

 LOEWENSTEIN, C. NEWMAN (A'46-M'55), 1409 E. 59
 St., Long Beach 5, Calif.

 LOEWENTHAL, MORTON (A'45-M'55), Asst. Group Leader, Lincoln Lab., MIT, Bedford, Mass.

 LOEWER, HERBERT C. (A'58), 4148 Campbell, Kansas City 10, Mo.

 LOF, JOHN L. C. (SM'55), Assoc. Prof., Elec. Engr., Univ. of Connecticut, Storrs, Conn.

 LOFFER, GILBERT W. (S'57-M'59), 150 Bridge Ave., Red Bank, N. J.

 LOFFREDI, ARMANDO J. (A'49), Owner, Appliance Repair Co., 601 Park Ave., Washington, Pa.

 LOFGREN, EARNEST W. (M'57), Sr. Dev. Engr., Goodyear Aircraft Corp., 121C Massillon Rd., Akron 15, Ohio.

 LOFGREN, ERIK O. (A'33-SM'46), Prof., Applied Electronics, Royal Institute of Technology, Valialiavagen 79, Stockholm 70, Sweden.

 LOFGREN, FREDERICK W. (M'55), Sr. Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 LOFGREN, FREDERICK W. (M'55), Sr. Engr., Raytheon Mfg. Co., Waltham 54, Mass.

- Mfg. Co., Waltham 54, Mass.

 LOFGREN, LARS E. (M'52), In-chg., Sect. for Theoretical Data Handling, Research Institute of Natl. Defense, FOA3, Stockholm BO, Sweden.

 LOFT, ROBERT E. (S'55-M'57), Field Engr., Neely Enterprises, 3939 Lankershim, North Hollywood, Calif.

 LOFTIN, RAYFORD A. (M'55), Project Engr., Magnavox Co., 2131 Bueter Rd., Ft. Wayne, Ind.

 LOFTIS, HOMER J. (A'27-VA'39-M'55), Dir., Research & Engrg., Henrite Prods. Corp., 2514 S. 3rd St., Ironton, Ohio.
- Unio. LOFTON, J. H. (M'46), Sr. Engr., Sylvania Elec. Prods., Inc., 700 Ellicott St., Batavia, N. Y. LOFTUS, EDWARD V. (M'58), Elec. Engr., Technitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.
- LOFTUS, JOHN A. (S'51-A'53-M'57), System Design, Technitrol Engrg. Co., 1952 E. Allegheny Ave., Phila-delphia 34, Pa.
- delphia 34, Pa.
 LOFTUS, ROBERT P. (S'57-A'58), Electronics Technician, Land-Air, Inc., Holloman AFB, N. M.
 LOFY, FRANCIS J. (S'54-M'56), Asst. Prof., Elec. Engrg.,
 Milwaukee School of Engrg., 1025 N. Milwaukee, Milwau-

- kee 2, Wis.

 LOGAN, BENJAMIN F., JR. (M'58), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N. J.

 LOGAN, BUFORD A., JR. (S'56-M'57), Electronics Engr.,
 Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LOGAN, CHARLES A. (4'51-M'56), DIr., Applied Research

 Dept., Instrument Development Labs., Inc., 67 Mechanic

 St., Autleboro, Mass.

 LOGAN, DONALD J. (AJSR), 2813, W. DOC.
- LOGAN, DONALD J. (A'58), 3813 W. 82 St., Chicago 29,
- LOGAN, EDWARD W., JR. (A'42), Partner, Logan-Lesh Communications, 1043 S. 3rd, Memphis 6, Tenn.
- Communications, 1043 S. 3rd, Memphis 6, Tenn.
 LOCAN, FRANK (S'57-M'58), Electronics Engr., Temco
 Aircraft Corp. Box 6191, Dallas, Tex.
 LOCAN, JIMMIE J. (S'50-A'53-M'57-SM'57), Sr. Electronics Engr., Temco Aircraft Corp., Box 6191, Dallas 2, Tex.
- LOGAN, JOSEPH S. (S'54-M'57), 844 Loma Verde Ave., Palo Alto, Callf. LOGAN, RALPH W. (A'43-S'48-A'50-M'55), Project Engr., Dorne & Margolin, Inc., 29 New York Ave., Westbury, L.I., N.Y.

- N.Y.
 LOGAN, WILLIAM F. (S'56-A'57), Electronics Design
 Engr., The Martin Co., Baltimore 3, Md.
 LOGAN, WILSON L. (S'46-A'49-M'55), Electronics Design
 Engr., RCA, Moorestown, N. J.
 LOGEE, DAVID B. (S'55-M'57), Research Engr., Radioplane
 Co., 7000 Woodley Ave., Van Nuys, Calif.
- LO., / UJU WOODIEY AVE., VANNUYS, Calif.
 LOGEMANN, HUGO, JR. (A'44-M'46-SM'56), Leader, Digital Instrumentation, Missile Electronics & Controls, RCA,
 Burlington, Mass.
 LOGGIE, THOMAS W. (S'56-A'57), Field Engrg., IBM,
 Kingston, N. Y.

- Kingston, N. Y.
 LOGINDW, SERGE (A'43-SM'50), Engrg. Supvr., Philoc Corp., Tioga & C Sts., Philadelphia, Pa.
 LO GIUDICE, THOMAS F. (J'43-A'43-M'55), Pres., Re-public Electronic Industries Corp., 111 Gazza Blvd., Farm-ingdale, L. I., N. Y.
- LOGRIECO, MICHAEL G (S'57-M'58), Prod. Engr., Airborne Instrument Lab., 1101 Stewart Ave., Garden City, L.I., N.Y.

- LOGSDON, GEORGE R. (A'57), Physician, Cardio-Pulmonary Diagnostic Lab., Allegheny Genl. Hospital, 320 E. North Ave., Pittsburgh 12, Pa.

 LOGSDON, HANLY E. (A'56), Public Relations Dir., Farson, Huff & Northich, 1110 Republic Bidg., Louisville 2, Ky.
 LOGSDON, HANCLD E. (S'51-A'52-M'57), Capt., USAF, Deputy Chief, Bomb-Nav. Branch, Test Engrg., B-58
 Test Force, Carswell AFB, Ft. Worth, Tex.

 LOGUE, HARVEY L., JR. (M'57), Maj., USAF, Future Systems Branch Directorate of Operations, Communications-Electronics Div., Hors., SAC, Offutt AFB, Neb.

 LOGUE, JOSEPH C. (S'44-A'45-M'55-SM'58), Mgr., Exploratory Engrg., Convair, San Diego 12, Calif.

 LOGUE, STANLEY H. (S'48-A'53-M'58), Research Group Engr., Convair, San Diego 12, Calif.

 LOGUS, PAUL J. (M'59), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 LOH, GEORGE M. (S'57-M'59), Project Engr., Kleinschmidt Labs., Inc., Deerfield, Ill.

 LOH, SHU C. (M'58), Radio & Elec. Engrg. Div., Natl. Research Council, Ottawa, Ont., Canada.

 LOHAN, FRANK J. (S'55-M'58), Sr. Dev. Engr., Bryant Computer Prods. Div., Box 620, Springfield, Vt.

 LOHKEMPER, OTTO A. (A'55), Sales Engr., West & Associates, 68 Hudson St., Hoboken, N.J.

 LOHMAN, RAH. J. R. (M'51), Mgr., Computer Application Dept., RCA, Somerville, N.J.

 LOHMAN, RAH. J. R. (M'51), Mgr., Computer Application Dept., RCA, Somerville, N.J.

 LOHMAN, Endicott, N.Y.

 LOHMAN, Califs, Washington 4, D.C.

 LOHR, DIETER (M'56-SM'59), Reference & Patent Engr., Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos, Calif.

 LOHRENZ, CARL A. (S'50-A'51-M'56), Project Engr., Electronics Div., Curtiss-Wright, 620 Passaic Ave.,

- Lemmit Electric Co., Inc., 1105 County Rd., San Carlos, Calif.

 LOHRENZ, CARL A. (S'50-A'51-M'56), Project Engr., Electronics Div., Curtiss-Wright, 620 Passaic Ave., West Caldwell, N.J.

 LOHSE, EDWARD (SM'55), Assoc. Dir., Defense Prods., Burroughs Corp., Paoll, Pa.

 LOIACONO, JOSEPH V. (A'49-M'55), Field Service Rep., GE Co., 160 Pascone Pl., Newington, Conn.

 LOILER, ROGER D. (M'58), Hoffman Labs., Inc., 3740
 S. Hill St., Los Angeles 7, Calif.

 LOITERMAN, LEO (A'48-M'55), Asst. Chief Radar Engr., Curtiss-Wright Corp., Electronics Div., 631 Central Ave., Carlstadt, N.J.

 LOIZZO, VINCENT J. (A'52-MISR) Late.
- Caristadt, N.J.

 LOIZZO, VINCENT J. (A'52-M'58), Instr., DeVry Technical Institute, 4141 W. Belmont, Chicago 41, III.

 LOKOMOWITZ, LEONARD I. (M'56), Engr., Kollsman Instrument Corp., 80-08 145 Ave., Elmhurst 73, L.I., N.Y.
- LOLASS, ALEXANDER, JR. (A'53-M'58), Research Engr., Hughes Aircraft Co., Culver City, Calif. LOLLAR, HUBERT C. (S'55-M'56), Quality Control Engr., Fryling Electric Prods., Inc., Hwy. 785, Holly Springs,

- Miss.
 LOLLI, ALBERT V. (S'52-A'54), Administrative Engr., KImble Glass Co., Vineland, N.J.
 LOLLI, LOUIS M. (S'52-A'54), Administrative Engr., Burroughs Corp., Paoli, Pa.
 LOMAN, GEORGE T. (M'57), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.
 LOMAN, JACK W. (S'49-A'51-M'58), Assoc. Engr., B-52
 Project, Boeing Airplane Co., 2801 S. Oliver, Wichita 1, Kan.
- KAR.

 LOMAN, JAMES A. (M'57), Prod. Engr., Sylvania
 Elec. Prods., Inc., Pratt St., Ottawa, Ohio.

 LOMAS, EDWARD G. (A'46-M'48-SM'51), Owner,
 E. G. Lomas Co., 227 Laurier Ave. W., Ottawa, Ont.,
 Canada.
- LOMASNEY, JAMES M. (M'53-SM'55), Project Engr., Govt. Airborne DIv., Hallicrafters Co., 4401 W.5 Ave., Chicago, III.
- COMAX, JOHN B. (S'49-A'52-M'57), Sr. Research Engr., Stanford Research Institute, Menlo Park, Calif. LOMAX, SYDNEY E. (SM'55), Sect. Mgr., Electronics DIV., Westinghouse Elec. Corp., Box 1897, Baltimore
- J. Md.
 LOMAZ, DANIEL DE L. (A'51-M'58), Project Engr.,
 Simulators, Goodyear Aircraft Corp., 1210 Massillon
 Rd., Akron 15, Ohio.
 LOMBARD, WARREN A. (S'52-A'55), Project Engr.,
 Syracuse Univ. Elec. Engrg. Dept., 1000 Comstock
 Ave., Syracuse, N.Y.
- Ave., Syracuse, N.Y.

 LOMBARDI, MARIO (M'59), Tech. & Plant Mgr., Microlambda S. p.A., Casella Postale 136, Napoli, Italy.

 LOMBARDI, MICHAEL W. (S'51-A'52-M'57), Sect.
 Head, Microwave & Artenna Group, Fairchild Astrionics
 Div., Wyandanch, L.I., N.Y.

 LOMBARDINI, PIETRO P. (A'53-SM'57), Asst. Prof.,
 Elec. Engr., Univ. of Pennsylvania, 200 S. 33 St.,
 Philadelphia 4, Pa.

 LOMBARDIO ANTHANY (A'54), Elec. Eng.
- LOMBARDO, ANTHONY (A'54), Elec. Engr., Royal McBee Corp., 1700 Wisconsin Ave., N.W., Wash-ington, D.C.
- LOMBARDO, CHARLES P. (A'56), Engrg. Specialist, Radioplane Co., 8000 Woodley Ave., Van Nuys, Calif.

- Calif.

 LOMBARDO, PETER P. (A'54), Elec. Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 LOME, JULIUS B. (A'43-M'55), V.P., Chief Engr., Union Electric & Mfg. Co., 1057 Summit Ave., Jersey City 7, N.J.

 LOMEGA, MICHAEL (M'58), Sr. Elec. Engr., ITT Labs., Nutley 10, N.J.

 LOMMASSON, THOMAS E. (S'50-A'51-M'53), Branch Engrg. Mgr., Electronics Div., Inter-Mountain Instruments Branch, Curlss-Wright Corp., 4401 Lunada, S.E.,
- Albuoueroue, N.M.
 LONCAREVIC, BOSKO D. (S'54-M'56), St. John's
 College, Cambridge, England.
 LONDENBERG, ERNEST F., JR. (A'57), Engrg. Technician,
 Texas Instruments, Inc., 6000 Lemmon Are., Dallas 9,
 Tex.
- Tex.

 LONDON, COLEMAN (A'40-SM'45), Mgr., Electronics
 Service Dept., Engrg. & Service, Westinghouse Elec.
 Corp., Box 746, Baltimore 3, Md.

 LONDON, FRED H. (S'53-A'54), Elec. Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

- LONDON, MANUEL M. (M'56), Project Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y. LONDON, REX E. (A'52), Navigator, USAF, 84th ATS, Box 83, Travis AFB, Calif.

 LONE, ROBERT S. (A'51-M'56), Tech Rep. Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. LONG, CHARLES E., JR. (M'57), Electronics Engr., Air Proving Ground Center (ARDC), Eglin AFB, Fla.
- Philico Corp., 22 St. & Lehigh Ave., Philiadelphia 32, Pa.
 LONG, CHARLES E., JR. (M'57), Electronics Engr.,
 Air Proving Ground Certer (ARDC), Eglin AFB, Fla.
 LONG, CHARLES R. (M'58), Mgr., Long & Associates Tech.
 Rep. Co., Brewster-Warren (Sts.) Bldg., Redwood City, Calif.
 LONG, CLIFFORD M. (M'55), Elec. Engr., Los Alamos
 Scientific Lab., Los Alamos, N. M.
 LONG, EARL O. (S'53-A'53-M'59), Prod. Engr., Wilcox
 Electric Co., 1400 Chestnut, Kansas City, Mo.
 LONG, EDWARD S. (S'51-A'54), Engr., Western Electric
 Co., 204 Hopedale Rd., Burlington, N.C.
 LONG, EMILE D. (M'56), Sr. Electronics Engr., Eclipse
 Machine Div., Bendix Aviation Corp., Elmira, N.Y.
 LONG, F. VINTON (A'37-M'43-SM'43), Comm., Engr.,
 Texas Eastern Pipeline Corp., Box 1612, Shreveport 94, La.
 LONG, FRANK (A'57), ASSt., Prof., Univ. of Wyoming,
 Laramie, Wyo.
 LONG, FRANK (A'57), ASSt., Prof., Univ. of Wyoming,
 Laramie, Wyo.
 LONG, FRANK (A'57), ASSt., Prof., Univ. of Wyoming,
 Laramie, Wyo.
 LONG, GERPY A., JR. (M'47), Electronics Engr., USAF,
 AFCIN-4A, Wright-Patterson AFB, Ohio.
 LONG, GERPY A., JR. (M'47), Electronics Engr., Rome
 Air Development Center, Griffiss AFB, N.Y.
 LONG, HELEN S. (A'58), Mathematics Teacher, Virginia Rd.,
 Concord, Mass.
 LONG, JAMES B., JR. (M'58), Staff Mem., Mitre Corp.,
 Lexington 73, Mass.
 LONG, JAMES B., JR. (M'58), Staff Mem., Mitre Corp.,
 Lexington 73, Mass.
 LONG, JOHN E. (S'52-A'53-M'59), 1727 St. Ann St.,
 Jackson 2, Miss.
 LONG, JOHN E. (A'53), Electronics Technician, FAA, Box
 507, Mt. Edgecumbe, Alaska
 LONG, JOHN E. (A'53), Electronics Technician, FAA, Box
 507, Mt. Edgecumbe, Alaska
 LONG, JOHN E. (A'57), Owner, John H. Long Lab., 5
 Woodland Ave., Maywood, N.J.
 LONG, LOREN A. (S'64-A'47-M'55), Box 122, Sherwood,
 Ore.
 LONG, LOREN A. (S'44-A'47-M'55), Box 122, Sherwood,
 Ore.
 LONG, COURS M. (S'55-M'56), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

- Ore.
 LONG, LOUIS M. (S'55-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 LONG, MAURICE B. (A'23-VA'39-M'55)(L), Secy. & Treas., Bell Tel. Labs., 463 West St., New York 14, N.Y.
 LONG, MAURICE W. (S'47-A'51-SM'55), Head, Radar Branch, Engrg. Experiment Sta., Georgia Institute of Technology, Atlanta 13, Ga.
- LONG, MORTON L. (A'43-SM'53), Mgr., Communication Systems Engrg., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. LONG, MOSES C. (A'47-M'55), Mem. Tech. Staff, Hughes Prods., Los Angeles 45, Calif.
- Prods., Los Angeles 45, Calir.
 LONG, NORWOOD G. (M'58), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J. LONG, PAUL C., JR. (S'55-M'59), 624 Lehigh St., Allen-
- LONG, REUBEN E. (S'54-M'57), Design Engr., IBM,

- town, Pa.
 LONG, REUBEN E. (S'54-M'57), Design Engr., IBM,
 Owego, N.Y.
 LONG, ROBERT E., (M'46), Electronics Engr., Electronic
 Components Lab., Directorate of Labs., Wright Air Development Center, Wright-Patterson AFB, Ohio.
 LONG, ROBERT G. (M'53), Communications & Electronics
 Engr., Toronto Hydro-Elec. System, 14 Cartton St., Toronto, Ont., Canado-Elec. System, 15 Canado-Electric Co., 555 Union Blvd., Calif.
 LONG, THOMAS P., JR. (M'59), Dent. Chief, Western
 Electric Co., 555 Union Blvd., Allentown, Pa.
 LONG, WILLIAM G., JR. (M'54), Electronics Engr., Collins
 Radio Co., Cedar Rapids, Jowa.
 LONG, WILLIAM T. (M'57), Sr. Elec. Engr., Stavid Engrg.,
 Inc., U.S. Rte. 22, Plainfield, N.J.
 LONGACR, ANDREW (SM'55), Prof., Applied Science; Dir.,
 Defense Systems Lab., Syracuse Univ. Research Corp., Box
 26, University Sta., Syracuse Univ. Research Corp., Box
 26, University Sta., Syracuse Univ. Research Corp., Box
 26, University Sta., Syracuse Univ. Research
 Engr., Convair-Astronautics, San Diego, Calif.
 LONGCHAMP, WILFRED F. (S'54-M'5B), Research
 Engr., Convair-Astronautics, San Diego, Calif.
 LONGCRICH, ERNEST P. (S'50-A'52-M'55), Sr. Engr.,
 Bendix Aviation Corp., Box 5113, Detroit 35, Mich.
 LONGFRICH, ERNEST P. (S'50-M'5B), Staff Mem., Elec.
 Component Dev. Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
 LONGFELLOW, BRUCE S. (A'3B-M'47), Engr., Asst.,
 FCC., Washington 25, D.C.

- Component Dev. Engr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 LONGFELLOW, BRUCE S. (A'38-M'47), Engrg. Asst., FCC, Washington 25, D.C.

 LONGFELLOW, RICHARD C. (A'40-SM'46), Treas., Cretex Co's., Inc., Elk River, Minn.

 LONGHART, CLYDE C. (M'57), Supt., Communications, Frontier Airlines, Inc., Stapleton Airlield, Denver 7, Colo. LONGINO, DICK R., JR. (A'54), Lt. Col., USAF. Deputy Dir., Directorate of Countermeasures, Tests & Tactics, Hurs., 801st Air Div., Lockbourne AFB, Ohl.

 LONGLEY, ANITA G. (A'55), Physicist, Natl. Bureau of Standards, Central Radio Propagation Lab., Boulder, Colo. LONGLEY, JOHN F. (SM'56), Engr., New York Telephone Co., 158 State St., Albany, N.Y.

 LONGLEY, JOHN K. (M'52), Mgr., Used Equipment Sales, Area 2, Motorola Communications & Electronics, Inc., 4900 W. Flourmoy St., Chicago 44, Ilil.

 LONGLEY, MINER R. (A'57), Engr., Northeast Electronics Corp., Box 425, Cocord, N.H.

 LONGLEY, RICHARD M., JR. (M'58), Engr., Martin Co., Orlando, Fla.

- LONGMAN, ERNEST R. (\$42-A'45-M'46), Engr., Consumers Power Co., Jackson, Mich.
 LONGMIRE, RAY C. (\$'56-M'58), Parts Sales, Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

- Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 LDNGO, CHARLES V. (S'47-A'4B-M'53-SM'57), Assoc.
 Prof., Elec. Engro., Rutgers Univ., College of Engro.,
 New Brunswick, N. J.

 LONGO, JOHN F. (A'53-M'57), Dev. Engr., Burroughs
 Coro., Paoli, Pa.

 LONGO, PHILIP (M'57), Staff Engr., IBM. Kingston, N.Y.

 LONGSHORE, JAMES F. (S'55-M'5B), Assoc. Engr.,
 McDonnell Alroraft Coro., St. Louis, Mo.

 LONGSON, FRANK W. (M'5B), Pres., Genl. Mgr., Ensco,
 Inc., 3100 Eldredge St., Salt Lake City 15, Utah.

 LONGSTAFFE, JACK R. (A'36-VA'39), Pres., J. R. Longstaffe, Lld., 300 Campbell Ave., Toronto 9, Ont., Canada.

 LONGUMARE, R. NOEL, JR. (M'5B), Electronics Engr.,
 Radar Design Sect., Westinghouse Elec. Corp., Box 746,
 Baltimore 3, Md.

 LONSCHEIN, JULIAN F. (A'58), Quality Control Engr., In-
- LONSCHEIN, JULIAN F. (A'58), Quality Control Engr., In-struments for Industry, 150 Glen Cove Rd., Mineola, L.I.,
- N.Y.
 LONSDALE, EDWARD M. (A'41-SM'50), Prof., Elec.
 Engrg., University of Wyoming, Laramie, Wyo.
 LONTKA, RICHARD E. (M'5B), Field Engr., Hughes Aircraft
 Co., Culver City, Calli.
- LOO, WILLIAM (S'56-M'57), 1st Lt., U.S. Army, Instr., U.S.A. Sig. ETD R.S.A., Redstone Arsenal. Ala LOOFBOURROW, ROBERT J. (M'48-SM'55), Group Leader, Computer Facilities, The Texas Co., Box 425, Bellaire 101, Tex.
- LOOMAN, JAMES R. (M'58), 5216 Kirk Dr., Walnut Park, Santa Barbara, Calif.
- LOOMIS, ALFRED L. (M'28-SM'43-F'44), Pres., Loomis Institute for Scientific Research, 14 Wall St., New York 5, N.Y.
- LOOMIS, DONALD C. (A'59), 96 N. Arlington Ave., East
- Urange, N.J.

 LOOMIS, FRANK E. (A'54), Foreman, Electronic Test
 Equipment Unit, USAF, Hill AF8, Ogden, Utah.

 LOOMIS, GEORGE L. (SM'51), Mgr., Receiving Tube Div.,
 Raytheon Mfg. Co., 465 Centre St., Quincy, Mass.

 LOONAM, JAMES R. (S'54-A'55), Mem. Tech. Staff,
 Pacific Semiconductors, Inc., 10451 W. Jefferson Bivd.,
 Culver City, Calif.
- Culver City, Calif.

 LOONEY, BYRDN W. (S'50-A'51-M'56-SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 LOONEY, CHESLEY H., JR. (S'50-A'51-M'55), Electronics Scientist, NASA, Beltvsville Space Center, 4555 Overlook Ave., S. W., Washington 25, D.C.

 LOONEY, DUNCAN H., (M'54), Sub-dept. Head, Bell Tel. Labs., Murray Hill, N.J.

 LOONEY, GARLAND R. (S'52-A'52-M'58), Sr. Flight Test Engr., Convair., Box 748, Ft. Worth, Tex.

 LOONEY, HOWARD C. (A'34-VA'39-M'55), Engr., Field E. & M. Bureau, FCC, Washington 25, D.C.

 LOONEY, JAMES C. (S'53-M'55), Instr., Elec. Engr., Oregon State College, Corvallis, Ore.

 LOONEY, JOSE PH M., JR. (M'54), Pres., Technology Instrument Corp. of California, 7229 Atoll Ave., North Hollywood, Calif.

- Hollywood, Callif,
 LOONEY, LESTER A. (A'31-VA'39-M'55), Mgr., Transmitter Engro., NBC, 30 Rockefeller Plaza, New York, N.Y.
 LOONEY, WILLIAM P. (S'57-A'59), Wireman Assembler,
 Raytheon Mfg. Co., Wattham 54, Mass.
 LOOP, DAVID M. (S'51-A'54-M'55-SM'5B), Project
 Engr., Autonetics Div., No. Amer. Aviation, Downey,
 Callif.
- LOOP , DONALD E. (S'50-A'51-M'58) , Supvr., Component Applications Sect., Collins Radio Co., Cedar Rapids,
- LOOP, HOWARD L. (S'57-A'58), Engr., Douglas Air craft, 3000 Ocean Park Blvd., Santa Monica, Calif. LOOS, ROBERT J. (S'57 M'59), Test Set Engr., Westem Electric Co., Chicago, III.

- LOOS, ROBERT J. (S'57 M'59), Test Set Engr., Westem Electric Co., Chicago, III.

 LOOSE, GORDON A. (A'5B), Training Supvr., Federal Electric Corp., Paramus, N.J.

 LOOSER, JOHN A. (A'54), Missile Maint. Officer, USAF, 46 A.D. Missile Sodn., McGuire AFB, N.J.

 LOPATAUSKAS, JOHN V. (A'5B), Electronic Engr., Ontario B.G., Ltd., London, Ont., Canada.

 LOPER, CEORGE B. (M'44), Research Assoc., Magnolia Petroleum Co., Box 900, Dallas 21, Tex.

 LOPER, LAURENCE E. (A'58), Communications Man, Florida Power & Light, Box 1150, Sarasota, Fla.

 LOPER, WARREN E. (M'56), Electronics Scientist, U. S. Naval Ordnance Test Sta., Code 3543 China Lake, Calif. LOPES, CARLOS DE PAIVA (S'55-M'5B), R. Prudente de Morais 18B, Amparo, Est. De Sao Paulo, Brazil.

 LOPES, RUI R. (A'56), Mktg. Mgr., Lenkurt Internatl. Corp., 1105 County Rd., San Carlos, Calif.

 LOPEZ, ALBERT E. (S'43-A'44-M'50-SM'53), Staff Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 LOPEZ, ALBERT E. (S'43-A'44-M'50-SM'53), Maquinarias Mendoza, Box 2641, Catia, Caracas, Venezuela.

 LOPEZ, ALBERTO L. (SM'4B), Chief Engr., Maquinarias Mendoza, Box 2641, Catia, Caracas, Venezuela.

 LOPEZ, HAFRED A. (S'56-M'59), Dev. Engr., Wheeler Labs., 122 Cutter Mill Rd., Great Neck. L.I., N.Y.

 LOPEZ, GLEBRT J. (S'57-A'57), Jr. Engr., Stromberg Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 LOPEZ, JOSEPH L. (A'50-M'58), Chief Engr., Century Electronics & Instruments, Inc., 1333 N. Ulica, Tulsa LOPEZ, JOSEPH L. (A'50-M'58), Chief Engr., Century Electronics & Instruments, Inc., 1333 N. Utica, Tulsa
- 10, Okla.

 LOPEZ, OREL C. (A'56), USAF Q.C. Rep., The Martin Co., Box B7B, Holloman AFB, N.M.

 LOPEZ, ORLANDO (S'55-M'57), Test. Engr., ACF Industries, 340 San Pedro, N.E., Albquerque, N.M.

 LOPEZ, ROBERT L. (M'56), Mem. Tech. Staff, Aeronutronics Systems, Inc., 2701 Halladay St., Santa Ana, Callf.

 LOPEZ-APARICIO, JORGE (M'58), Carrera 2 No. 9-0B Sirr, Bosota. Colombia.

- COMMUNICATION OF COMMUN

- LOPRESTI, ALDO P. (S'57-A'57), Technician, Curtiss-Wright Corp., Elec. Olv., Carlstadt, N.J.

 LO PRESTI, KENNETH R. (A'58), Engro. Technician II, American Bosch Arma Co., Mineola, L.I., N.Y.

 LO PRESTI, MATTHEW (S'55-A'55), Service Engr., Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N.J.,

 LOPRESTI, PHILIP V. (S'53-A'54-M'59), Instr., Elec. Engro. Dept., Univ. of Notre Dame, Notre Dame, Ind.

 IOPLICH ANTHONY I. (A'41-M'55). Chief Engr., KFBB-TV
- LOPANCE, ANTHONY J. (A'41-M'55), Chief Engr., KFBB-TV & KFBB-AM, Wilkins Broadcast, Inc., Box 1139, Great Falls, Mont.

 LORAH, PAUL W. (S'50-A'51-M'56), Project Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington, Cincinnal 25, Ohio.

- LDRBER, HERBERT W. (S'55-M'56), Engr., KCA, Princeton, N.J.
 LORCH, JOSEPH (M'45), Pres., Empire Devices, Inc., 37 Prospect St., Amsterdam, N.Y.
 LORD, ARTHUR H. (A'58), Research Elec. Engr., The Texas Co., Box 425, Bellaire, Tex.
 LORD, ARTHUR St. (A'43-M'55), Industrial Specialist, Air Materiel Command, Wright-Patterson AFB, Ohio.
 LORD, CHARLIE R. (S'54-M'56), Research Asst., Engrg. Experiment Sta., Georgia Institute of Technology, Atlanta, Ga.
- Ga.

 LORD, DWIGHT S. (SM'55), Chief Engr., Partner, Lord & Hegarty Electronics, 411A S. Inwindale, Azusa, Calif. LORD, JOHN B. (A'53), Physicist, Vitro Labs., 14000 Georgia Ave., Silver Soring, Md. LORD, JOSEPH S. (S'52-A'54), Dir., Research Lab. Deot., Instrument Development Labs., 67 Mechanic, Attleboro, Mass.

 LORD, PETER H. (M'56), Sr. Engr., Martin Co., Middle River, Md.

- LORD, PHILIP A. (S'55-M'56), Project Engr., IBM,
- Endicott, N.Y.

 LORD, RICHARD W. (M'56), Sr. Engr., Sprague Electric Co., North Adams, Mass.

 LORD, WILLIAM P. (M'50), Maint. Supvr., Western A.A.C.S. Region, USAF, Hamilton AFB, Calif.

 LORDAN, THOMAS G. (S'52-M'56), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 LORDS, FRANCIS V. (A'55), Research Engr., Rocketdyne Div., No. Amer. Aviation, 6633 Carloga Ave., Canoga Park, Calif.
- LORENS, CHARLES S. (S'56-M'57), Communications Research Group Supvr., Jet Propulsion Lab., 4800 Oak Research Group Supvr., Jet Pr. Grove Dr., Pasadena 3, Calif.

- Research Grove Dr., Pasadena 3, Calif.

 LORENTZ, EDWARD F. (A'46-M'55), Assoc. Engr., Commercial Radio Equipment Co., 1319 F St., N.W., Washington 4, D.C.

 LORENTZ, NORBERT A., SR. (M'50), Engr., Northrop Aircraft, Inc., Hawthome, Calif.

 LORENZ, EDWARD J. (A'55), Mgr., Printed Wiring Engrg., IBM, Poughkeepsie, N.Y.

 LORENZ, LUTHER H. (A'57), Salesman, The Branum Co., 1518 Slocum, Dailas, Tex.

 LORENZ, RAY (S'54-A'55), Project Engr., Remington Rand Univac, 2750 W. 7 Blvd., St., Paul, Minn.

 LORENZ, RAYMOND O. (S'56-M'59), Elec. Engr., Hughes Aircraft Co., El Segundo, Calif.

 LORENZ, ROBERT J. (A'44-M'55), Deputy Chlef, En Route Radar Branch, Office of Air Navigation Facilities, FAA, 17 St. & Constitution Ave., N.W., Washington 25, D.C.
- D.C.
 LORENZEN, HOWARD O. (A'37-VA'39-M'55), Head,
 Electronics Countermeasures Branch, Naval Research
 Lab., Washington, D.C.
 LORENZO, ALBERT M. (A'57), Plant Mgr., Pyramid Instrument Corp., 630 Merrick Rd., Lynbrook, L.I., N.Y.

- ment Corp., 6:30 Merrick Rd., Lynbrook, L.I., N.Y.
 LORENZO, JOHN J. (S'5B-M'59), Asst. Engr., Sperty
 Gyroscope Co., Great Neck, L.I., N.Y.
 LORETO, DANIEL R. (M'49), Electronics Engr., Rome Air
 Development Center, Griffiss AFB, N.Y.
 LORETZ, NORMAN F. (S'49-A'51), Project Engr., Magnavox Co., Research Labs., 2255 Carmelina Ave., Los
 Angeles 64, Calif.
- Angeles 64, Calif.

 LORING, BERNARD L. (S'50-A'51-M'56), 5200 S.W.

 89 Pl., Miaml 55, Fla.

 LORING, C. MARSHALL, JR. (M'58), Design Engr.,

 Carad Corp., 2850 Bay Rd., Redwood City, Calif.

 LORING, LLOYD W. (A'53), Mgr., Public Address Equipment

 Sales, Electro-Voice, Inc., Buchanan, Mich.
- LORING, ROBERT A. (S'57-M'59), 410 S. Chester Rd., West Chester, Pa.
- West Chester, Pa.

 LORSCHEIDER, EDWARD B. (S'55-M'57), Assoc. Engr., IBM, Endicott, N.Y.

 LORTE, ANDRE L. (A'51-M'56), Flight Instrumentation Sect. Leader, Canadian Armament Research & Development Est., Box 1427, Quebec, P.Q., Canada.

- LORY , HENRY J. (5'56-M'58), Jr., Instr., The Johns Hopkins Univ., Baltimore 18, Md.
 LORY, JOHN (A'51-M'56), Elec. Engr., Sperry Gyroscope Co., Great Neck., L.I., N.Y.
 LOSEE, WALTER B., JR. (S'47-A'49-M'58), Engrg., Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- LOSH, SAMUEL J. (M'57), Sr. Systems Mech. Engr., Hoffman Labs. Div., Box 2471, Los Angeles 54, Calif.
- LOSHBOUGH, PAUL A. (A'55), Engr., 509 Labian Dr., Flushing, Mich.
- LOSHER, MORTON I. (A'53-M'58), Project Engr., Hudson Labs., Columbia Univ., 145 Palisade St., Dobbs Ferry, N. Y.
- LOSHIN, ALBERT M. (S'53-A'54), Dept. Head, Advanced Oev., Skiatron Electronics & Television Corp., 180 Varick St., New York 14, N.Y.

- LOSKI, ROBERT R. (S'55-M'57), Assoc. Design Engr., Lockheed Aircraft Corp., Burbank, Calif.
- Lockheed Aircraft Corp., Burbank, Calif.

 LOSGW, HARVEY C. (A'51-M'56), Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 LOSS, MURRAY B. (M'57), Engr., Sperry Gyroscope Co., Great Neck, L. I. N. Y.

 LOTH, BERNARD M. (M'57), Electronics Engr., Univ. of California Radiation Lab., Livermore, Calif.

 LOTH, PATRICIA A. (A'49-SM'55), Sr. Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L. I., N. Y.
- L.I., N.Y. LOTHES, ROBERT N. (S'47-A'49-M'55), Engr., GE Co.,
- Syracuse, N. Y.

 LOTHRINGER, ROBERT C. (S'48-A'49-M'55), Asst.

 Project Engr., Autonetics Div., No. Amer. Aviation,

 Downey, Calif.

 LOTHROP, FRED H. G. (S'56-M'59), Research Engr., Univ.

 of California Lawrence Radiation Lab., Berkeley 4, Calif.

- of California Lawrence Radiation Lab., Berkeley 4, Calif.
 LOTT, ALLAN L. (A'44-M'46), 3 Highview Ave., Old
 Greenwich, Coni.
 LOTT, DAVIO H. (S'56-A'58), Sales Engr., Driver-Harris
 Co., Harrison, N. J.
 LOTT, JOHN C. (S'50-A'51-M'56), Product Engr., Sperry
 Gyroscope, Great Neck, L. I., N. Y.
 LOTT, LAUREN R. (A'55), Electronics Engr., Motorola Research Lab., 8330 Indiana Ave., Riverside, Calif.
 LOTT, ROY E., JR. (A'53-M'56), Dev. Engr., ITT Labs.,
 Nutley 10, N. J.
 LOTT, THOMAS M. (M'52), Asst. Chief Engr., Applied
 Electronics Co., Inc., 213 E. Grand Ave., South San
 Francisco, Calif.
 LOTTFRAMA. CHARLES (A'54), Assoc. Engr., Douglas
- Francisco, Calif.

 LOTTERMAN, CHARLES (A'54), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park 8lvd., Santa Monica, Calif.

 LOTTES, JAMES J. (S'56-M'57), Engr., Bendix Aviation Corp., 400 S. Beiger, Mishawaka, Ind.

 LOTZ, WALTER E., JR. (S'47-A'48-SM'54), Col., U.S. Army, Signal Officer, Hgrs, USARPAC, APO 958, San Francisco, Calif.

 LOU, CHARLIE B. (S'56-M'58), Advance Test Equipment Computers & Controls, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 LOUAPRE, MERLIN E. (S'52-M'55), Designer, Douglas

- LOUAPRE, MERLIN E. (S'52-M'55), Designer, Douglas Aircraft Corp. El Segundo, Calif.

 LOUCKS, HARRY D. (S'58-M'59), Staff Physicist, Smyth Research Associates, 3555 Aero Ct., San Diego 11, Calif.

 LOUCKS, IVAN H. (A'26-SM'47), Capt., USNR, Chief, Service & Dev. Branch, Land Transportation Div., Safety & Special Radio Services Bureau, FCC, Washington 25, D. C.
- LOUCKS, JDHN W. (A'55), Electronics Balancer Maint. Saginaw Steering Gear, GMC, 3900 Holland, Saginaw Mich.

- Mich.

 DUCKS, PHILIP G. (A'30-VA'39-M'55), Lawyer, 1317 F St., N. W., Washington 4, O. C.

 LDUCKS, WILLIAM J. (A'58), V. P., Genl. Mgr., Warren Television Corn., 207 E. 5 Ave., Warren, Pa.

 LOUD, VERNON F. (A'56), Electronics Engr., U. S. Army Signal Engr., Labs., Ft. Monmouth, N. J. C. Louben, WILLIAM C. (A'43-M'55), Tech. Counselor, Lamp Div. 437, GE Co., Nela Park, Cleveland 12, Ohio. LOUDERBACK, HOWARD W., JR. (A'55-M'57), Field Rep. to Cndr., Service Forces, U. S. 6th Fleet, Govt. Service Opet., RCA, Canden 8, N. J.

 LOUDERMILCH, ROBERT C. (M'57), Prod. Planner, GE Co., Utica, N. Y.

 LOUDERMILCH, SILLY E. (A'57), Electronics Technician,

- CO., Utica, N. Y.

 LOUDERMILCH, ROBERT C. (M'5/), Prod. Planner, GE
 Co., Utica, N. Y.

 LOUDERMILK, BILLY E. (A'5/), Electronics Technician,
 Land-Air, Inc., Holloman AF8, N. M.

 LOUER, PHILIP E. (S'48-A'49-M'55), Operations Analyst,
 Hgrs., USAF, Pentagon, Washington, O. C.

 LOUGHLIN, BERNARD O. (A'40-M'45-SM'54-F'55),
 Electronics Research Consultant, Little Neck Rd., R. D.
 5, Huntington, L. I., N. Y.

 LOUGHLIN, BERNARD J. (S'55-A'58), Customer Engr.,
 IBM, 417 N. Cary St., Brockton 14, Mass.

 LOUGHLIN, JOSEPH H. (SM'56), Coordinator, Prod. Engrg.
 Oiv., Sylvania Elec. Prods., Inc., Seneca Falls, N. Y.

 LOUGHLIN, AYMOND G. (A'49-SM'55), Engrg. Sect.
 Head, Sperry Gyscope Co., Great Neck, L. I., N. Y.

 LOUGHREN, THOMAS M. (M'56), Electronics Engr., Tobyhanna Signal Corps Depot, Tobyhanna, Pa.

 LOUGHRAN, RICHARD H. (A'53), Sales Engr., Hugh Marsland & Co., 6699 Lincoln Ave., Chicago 45, Ill.

 LOUGHREN, ARTHUR V. (A'24-M'29-SM'43-F'44), V. P.,
 Airborne Instrument Lab., Mineola, L. I., N. Y.

 LOUGHREDE, OMALO H. (M'42-SM'43), Head, Nuclear
 Power Engrg., GMC Research Labs., 12 Mile & Mound
 Rds., Warren, Mich.

 LOUGHRIN, WILLIAM R. (S'57-M'58), Observer Traince,
 Chevron Oil Co., 2054 45, N. F. Calagon Alias.

- LOUGHRIN, WILLIAM R. (S'57-M'58), Observer Trainee, Chevron Oil Co., 205 4 St., N. E., Calgary, Alta., Cana-da.
- oa.
 LOUGHRY, BRUCE W., JR. (M'57) System Design Engr., Bendix Systems Div., Ann Arbor, Mich.
 LOUGHRY, DONALD C. (M'56), Engr., Oy.,ec, Inc., 395
 Page Mill Rd., Palo Alto, Calif.
 LOUI, JULIAN S. (S'57-M'58), 47-34 40 St., Long Island City 4, N.Y.
 LOUIE. CHARLES H. (SLAD ALES
- land City 4, N.Y.

 LOUIE, CHARLES H. (S'49-A'51-M'58), Assoc. Research
 Engr. A., Boeing Airplane Co., Seattle, Wash.

 LOUIE, PERCY Y. (A'52-M'57), Electronics Research Engr.
 A, Lockheed Missile & Snace Oiv. Palo Alto. Calif.

 LOUIE, WESLEY G. (M'57), Designer, Antenna & Radar Systems, Boeing Airplane Co., 3801 S. Oliver, Wichita, Kan.

 LOUIE, WILLIAM (S'48-A'50), Specialist Research Engr.,
 No. Amer. Aviation, Downey, Calif.

- LOUIC, WILLIAM IS "48-A" 2017, Specialist Research Engr., No. Amer. Aviation, Oowney, Calif.

 LOUIS, JOHN R. (S'55-M"56), Research Engr., Bailey Meter Co., 1050 Ivanhoe Rd., Cleveland 10, Ohio.

 LOUIS, RONALO A. (M"58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 LOUIS, SHLOMO (A"55), Instr., Israel Institute of Technology, Box 4910, Haifa, Israel

 LOUIS, WOLCOTT B. (M"56), Asst. Super., Chg., Tech. Operations, Chief Engr., Cleveland Bd. of Education, WBOE, 1360 E. 6 St., Cleveland 14, Ohio.

 LOUIZOS, DEMETRIUS G. (S'57-M"58), 2530 Van Horne Ave., Montreal, P. Q., Canada.

 LOUMEAU, RICHARO F. (S'53-M"56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 LOUNOER, JAMES F. (A"58), Plant Super., Canadian Natl. Telegraphs, St. John's, Nitd., Canada.

 LOUNSBERRY, EUGENE P. (A"46-M"55), Prolect Engr., Philoc Com., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- LOUPEE, BURTON J. (S'54-M'57), Jr. Engr., Ames Lab. of U.S. Atomic Energy Commission, Iowa State College, Ames, Iowa.
- LOURIE, NORMAN M. (S'48-A'49-M'55), Staff Engr., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton, Mass.
- Newton, Mass.
 LOUTIT, JOHN A. (A'47-M'47), Chief Engr., Canadian
 Army Signals Engrg. Est., Ottawa, Ont., Canada.
 LOUTITI, LYELL W. (A'55), Chief Radio Officer, Cathay
 Pacific Airways, J. Connaught Rd., Central Hong Kong.
 LOUTZENHISER, CHARLES F. (S'50-A'51-M'56), Tech.
 Engr., GE Co., Cincinnati 15, Ohio.
- LOUTZENHISER, CHARLES F. (350-431-M-30), feeli. Engr., GE Co., Cincinnati 15, Ohio. LOVALENTI, SAM (M'58), Elec. Design Engr., Chrysler Missile Div., 360x 360, Warren, Mich. LOVAN, JAMES E. (4'46-M-58), Instr., Radio & TV Tech-nology, Central Technical Institute, 1644 Wyandotte, Kansas

- City, Mor.

 LOVAS, ARNE (SM'57), Engr., Canadian GE Co., Ltd., 830 Lansdowne Ave., Toronto 15, Ont., Canada.

 LOVCIK, DAVID J. (M'59), Field Engr., RCA, 714 New Center Bldg., Detroit 2, Mich.

 LOVE, ALLAN W. (M'58), Project Engr., Wiley Electronics Co., 2045 W. Cheryl Dr., Phoenix, Ariz.

 LOVE, ARCHIBALD L., Ill (S'41-A'44-M'55), Engr., New York Telephone Co., 20 Park St., Albany, N.C., New York Telephone Co., 20 Park St., Albany, N.C., LOVE, BERT E. (A'31-V4)39), Sr. Engr., Microwave Systems, AT&T Co., 811 Main St., Kansas City 5, Mo.

 LOVE, CHARLES E. (S'42-A'47-M'55), Research Engrg., Hughes Aircraft Co., Culver City, Calif.

 LOVE, EOGAR J. (A'49-M'50-SM'54), Genl. Engrg. Mgr., Radio Sta. WWJ, The Detroit News, 662 W. Lafayette, Detroit, Mich.

 LOVE, FRANKLIN B. (A'50-M'56), Sr. Systems Engr.,
- Detroit, Mich.
 LOVE, FRANKLIN B. (A'50-M'56), Sr. Systems Engr.,
 Melpar, Inc., Shirley Industrial Center, Springfield, Va.
 LOVE, GOROON (S'58-M'59), Supvr., Manitoba Telephone
 System, 166 Portage Ave., E., Winnipeg, Man., Canada.
 LOVE, GUY V. (S'56-M'57), Engr., Geni. Precision Lab.,
 Inc., 63 Bedford Rd., Pleasantville, N.Y.
 LOVE, KENNETH A. (A'55), Systems Engr., Collins Radio
 Co., 1937 Irving Bldv., Dallas, Tex.
 LOVE, KENNETH E. (A'59), Systems Field Engr., IBM,
 Kingston, N.Y.

- Kingston, N.Y.

 LOVE, RALPH E., JR. (S'57-M'58), Air Electronics Officer, USAF, 49th Fighter Interceptor Sqdn., L.C. Hanscom Field, 8edford, Mass.

- Bedford, Mass.

 LOVE, ROBERT G. (M'57), Field Engr., Horman Associates, 941 Rollins Ave., Rockville, Md.
 LOVE, ROBERT G. (M'57), Field Engr., Horman Associates, 941 Rollins Ave., Rockville, Md.
 LOVE, ROBERT R. (S'56-M'58), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
 LOVE, SYONEY F. (A'52-M'53), Supvr., TV Engrg., Oominion Electronome Industries, Ltd., 809 Wellington St., N., Kitchener, Ont., Canada.
 LOVE, WILLIAM O. (S'54-M'59), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.
 LOVE, WILLIAM R. (A'57), Radio Technician, 117th AC & W Flight, 1117 Intermediate Rd., Savannah, Ga.
 LOVEBERG A. GODFREY, JR. (S'41-A'44-M'155), Electronics Scientist, USN Electronics Lab., San Olego 52, Calif.
 LOVECCHIO, JOSEPH A. (M'59). Flactonics F. C. (Massociated)

- Calif.
 LOVECCHIO, JOSEPH A. (M'59), Electronics Engr., USAF, Griffiss AFB, N.Y.
 LOVECREN, PAUL B. (A'43-M'57), Sales Mgr., Components, Magnavox Co., Ft. Wayne 4, Ind.
 LOVELACE, DOUGLAS G. (M'57), TechReo., Philoo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 LOVELAND, HARRY O. (A'55), Audio Engr., Univ. of Texas, M.D. Anderson Hospital, 6723 Bertner, Houston 25, Tex.
 LOVELAS, RICHARO M. (A'54-M'57), Group Leader, Telemetry, Bendix-Pacific Div., 7250 Laurel Canyon, North Hollywood, Calif.
 LOVELL, SLERNARO W. (S'53-M'58), Electronics Engr.,

- LOVELESS, RICHARO M. (A'54-M'57), Group Leader, Telemetry, Bendix-Pacific Div., 7250 Laurel Canyon, North Hollywood, Calif.

 LOVELL, BERNARO W. (S'53-M'58), Electronics Engr., U.S. Naval Ordnance Lab., White Oak, Md.

 LOVELL, EDWARO L. (A'46), Engr., The Pacific Telephone & Telegraph Co., 2709 MacDonald Ave., Richmond 9, Calif.

 LOVELL, JAMES A. (S'47-A'48-M'55), Engr., Alrborne Instrument Lab., Walt Whitman Rd., Melville, L.I., N.Y.

 LOVELL, LAWRENCE I. (S'57-A'58), Broadcast Engr., WSYE-TV, Hawly Hill, Elmira, N.Y.

 LOVELL, LAWRENCE I. (M'50-SM'57), Asst. Mgr., White Sands-Holloman Div., Land-Air, Inc., Hollowman AFB, N.M.

 LOVELL, ROBERT E. (M'50-SM'57), Staff Mem., RCA Aviation Systems Lab., Waltham, Mass.

 LOVELL, WEBSTER A. (M'56), Electronics Scientist, Oavid Taylor Model Basin (Buships), Washington 7, O.C.

 LOVENSTEIN, ALLEN J. (SM'57), Sr. Electronics Engr., Research Labs., Crosley Div., Avco Mfg. Corp., 750 Commorwealth Ave., Boston 15, Mass.

 LOVER, GEORGE L., JR. (S'56-M'57), Sr. Electronics Systems Engr., The Martin Co., Box 179, Denver, Colo.

 LOVETT, ROBERT S. (S'49-A'51-M'56), Prod. Technologist, E.I. Ou Pont de Nemours, Wilminston 98, Del.

 LOVICK, EDWARO, JR. (A'44-SM'57), Research Specialist, Lockheed Aircraft Corp., Burbank. Calif.

 LOVIK, HERRILL H. (S'57-M'59), Engr., Sylvania Elec. Prods., Inc., Mountain View, Calif.

 LOVICK, FAMUEL A. (A'54), Field Engr., Sylvania Elec., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

 LOVICK, ADOLPH (S'M'47), Elec. Engr., Argonne Natl. Lab., Box 299, Lemont, III.

 LOW, ANOREW R. (M'53), Oir., Dept. of Mathematics & Physics, Ryerson Institute of Technology, 50 Gould St.,

- Box 299, Lemont, III.
 LOW, ANOREW R. (M'53), Oir., Dept. of Mathematics & Physics, Ryerson Institute of Technology, 50 Gould St., Toronto 2, Ont., Canada.
 LOW, CHARLES L. (M'58), V.P., M. Low, Inc., 44 Fulton St., New York 38, N.Y.
 LOW, FRANK (S'52-4'33-M'58), Systems Engr., RCA, Moorestown, N.J.

- Moorestown, N. J.

 LOW, FREDERICK J. (S¹57-A¹58), Canadair Services,
 Ltd., Boeing Airplane Co. . Seattle. Wash.

 LOW, HENRY (A¹51-M¹56), Mem. Tech. Staff, Space
 Teshnology Labs., Bew 95001, Los Anneles 45, Calif.

 LOW, LINCOLN L. (A¹57), Supvr., Process Engr., Hughes
 Aircraft Co., 311 S. Highland, Fullerton, Callf.

 LOW, PAUL R. (S¹53-M¹55), Assoc. Engr., IBM, Poughkeepsie, N. Y.

 LOW, REGINALO G. (S¹56-M¹57), Electronics Engr., Convair, 1675 W. 5, Pomona, Callf.

- LOW, RICHARD C. (A'53), Engr., Sanders Associates, Inc.,
- LOW, STEVEN (A'55), Electronics Instrument & Test Sect., U.S. Naval Radiological Defense Labs., Hunters Point, San Francisco 27, Calif.
- Francisco 27, Calif.
 LOW, WARD C. (M'56), Mgr., Missile Analysis Dept.,
 Sylvania Elec. Prods., Inc., Waltham, Mass.
 LOWDENSLAGER, JOHN R. (A'55), Sr. Engr., Genl.
 Precision Lab., Inc., 63 Bedford Rd., Pleasantville, N.Y.
 LOWDER, CHARLES M. (M'58), 1706 1st Ave., N.E.,
 Cedar Rapids, Iowa.
 LOWE, ALAN W. (M'58), Officer-in-Chg., Officer Training
 Div., Radar & Communications School., RCAF, Clinton,
 Ont., Canada.

- LUWE, ALAN W. (M*58), Officer-in-Chq., Officer Training Div., Radar & Communications School., RCAF, Clinton, Ont., Canada.

 LOWE, ANDERSON L. (A*57), Engrg, Lab. Technician, Western Electric Co., 80 1 Merritt Dr., Greensboro, N.C.

 LOWE, BOBBY W. (S*52-A*53), Fleld Service Engr., GE Co., 600 Main St., Johnson City, N.Y.

 LOWE, DONALD B., JR. (S*56-M*59), Engr., Data Processing, Airborne Instrument Lab., Mineola, L.I., N.Y.

 LOWE, DONALD M. (A*41-M*55), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif.

 LOWE, FREDERICK B., (S*52-A*53-M*58), Engr., Bendix Aviation Corp., E. Market St., York, Pa.

 LOWE, HORACE N. (S*54-A*58), Jr. Engr., Collins Radio Co., Dallas, Tex.

 LOWE, JAMES R. (M*50), Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.

 LOWE, MARVIN E. (M*50-SM*56), Mgr., Missile Systems Lab., Sylvania Elec., Prods., Inc., Waltham, Mass.

 LOWE, MERCIER J., JR. (S*56-A*57), Test Technician, Litton Industries, 5009 Calvert Rd., College Park, Md.

 LOWE, MILTON H. (A*49-M*53-SM*59), Project Engr., RCA, Moorestown, N.J.

 LOWE, RDEWMAN (S*49-A*51-M*56), Elec. Engr., U. S.

 Naval Ordnance Test Sta., China Lake, Calif.

 LOWE, RDEWMAN (S*49-A*51-M*56), Elec. Engr., Can., Can., Calif.

 LOWE, NEWMAN (S*49-A*51-M*56), Elec. Engr., Sanders Associates, Inc., 19520 Crenshaw Bivd., Gardena, Calif.

 LOWE, NREWMAN (S*49-A*51-M*56), Flec. Engr., Sanders Associates, Inc., 19520 Crenshaw Bivd., Gardena, Calif.

 LOWE, NREWMAN (S*49-A*51-M*56), Flec. Engr., Sanders Associates, Inc., 19520 Crenshaw Bivd., Gardena, Calif.

 LOWE, NREWMAN (S*49-A*51-M*56), Flec. Engr., Sanders Associates, Inc., 19520 Crenshaw Bivd., Gardena, Calif.

 LOWE, RALPH, JR. (S*50-A*57), Test Remix Radio Olv., Baltimore 4, Md.

 LOWEL, LBEN W. (A*52), Pres., Lowell Mfg. Co., 3030

 Laclede Station Rd., St. Louis 17, Mo.
- baltimore 4, Md. A. (152), Pres., Lowell Mfg. Co., 3030 Laclede Station Rd., St. Louis 17, Mo. LOWELL, REGINALO J. (S'51-A'53-M'57), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5730 Arbor Vitae, Los Angeles 45, Calif.
- LOS Angeles 43, Call.
 LOWELL, ROBERT (S'47-A'49-M'55), Mem. Tech. Staff,
 Bell Tel. Labs., Whilopany, N.J.
 LOWELL, THEODORE B. (A'50), Owner, Mfrs'. Rep.,
 Theodore B. Lowell, Box 21, Normandy Branch, St.
 Louis 21, Mo.

- LOUIS 21, Mo.
 LOWEN, IRVING B. (S'54-A'55), Sr. Engr., ITT Labs.,
 Nutley 10, N. J.
 LOWENBERG, EDWIN C. (M'54), Asst. Prof., Dept. Elec.
 Engro., The Univ. of Texas, Austin, Tex.
 LOWENSCHUSS, OSCAR (A'55-SM'57), Supvr., Research,
 Levyt Mfg. Co., 43-22 Queens St., Long Island City 1,
 N.

- N.Y.
 LOWENSTEIN, HAROLO L. (A'55), Electronics Engr.,
 Sylvania Elec. Prods., Inc., Waltham, Mass.
 LOWENSTEIN, JEROME F. (S'47-A'50-M'56-SM'59),
 Electronics Project Engr., Motorola, Inc., Phoenix Research Lab., 3102 N. 56 St. Phoenix, Ariz.
 LOWENSTEIN, MILTON (A'49), V. P., Columbus Electronics
 Corp., 1010 Saw Mill River Rd., Yonkers, N.Y.
 LOWER, ROBERT (A'41-SM'47), Electronics Project
 Engr., Wright Air Development Center, Wright-Patterson
 AFB, Ohio.
- LOWER, WILLIAM M. (S'49-A'50-M'56), Supvr., Defence Contracts, Canadian Westinghouse Corp., Ltd., Longwood Rd., Hamilton, Ont., Canada.

- Longwood Rd., Hamilton, Ont., Canada.

 LOWERS, CHARLES E. (A'46-M'48-SM'53), Asst. to Oir., Sales, Curiss-Wright Corp., Electronics Div., 631 Central Ave., Carlstadt, N.J.

 LOWERY, H.J. (S'55-M'57), Electronics Engr., Convair., Daingerfield, Tex.

 LOWERY, HAPOLD R. (A'46-M'55), Research Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala.

 LOWERY, ROBERT O. (M'54), Olsvict Sales Mgr., GE.

 Co., 2011 Douglas, Midland, Tex.

 LOWERY, WILLIAM E. (A'35-M'45-SM'57), Mgr., Reliability & Components Engrg., Raytheon Mig. Co., Wayland, Mass.

 LOWHURST, HARVEY G. (S'50-A'51-M'54-SM'50). Dataset.
- LOWHURST, HARVEY G. (S'50-A'51-M'56-SM'59), Patent Council, Link Aviation, Inc., 530 University Ave., Palo
- LOWITZ, GABRIEL E. (M'54-SM'56), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5300 El Segundo, Hawthorne, Callf.
- LOWMAN, BRYSON L. (M'56), Communications Engr., South Carolina Electric & Gas Co., Box 390, Columbia, S.C.

- South Carolina Effective Gas Go., 2007 of South Carolina Effective Gas Go., 2007 of South Carolina Effective Gas Go., 2007 of South Carolina Gas Go., 2007 of G

- Whitpany, N.J.

 LOWRY, HUGH R. (A'55), Mgr., Application Engrg., Seml-conductor Prods. Dept., CE Co., Syracuse, N.Y.

 LOWRY, JAMES H., JR. (M'55-SM'57), Engrg. Specialist, Chance-Vought Aircraft, inc., Box 3907, Dallas, Tex.

 LOWRY, JAMES L. (S'54-M'57), Asst. Prof., Elec.
 Engrg., Alabama Polytechnic Institute, Aubum, Ala.

 LOWRY, JAMES M. (M'55), Engr., Librascope, Inc.,
 808 Western Ave., Glendale, Calif.

 LOWRY, LANE W. (M'5B), Design Engr., Convair, Ft.

 Worth, Tex.

LOW-LUN - 274 -

- LOWRY, LEWIS R. (A'27-SM'46), Mem. Tech. Staff, Bell Tel. Labs., Red Bank, N.J.
 LOWRY, ROBERT C. (M'55), Electronics Engr., USN Mine Defense Lab., Panama City, Fia.
 LOWRY, TERRELL N. (A'55-M'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 LOWTHER, FRANK E. (M'55), Systems Specialist, GE Co., Syracuse, N.Y.

- Co., Syracuse, N.Y.
 LDWY, MAX A. (S'51-A'51-M'56-SM'57), Chief
 Systems Engr., Data-Control Systems, Inc., 39 Rose
 St., Danbury, Conn.
 LOY, FING S. (A'52-M'58), Engr., System Development
 Co., 250D Colorado, Santa Monica, Calif.
 LOYET, PAUL A. (A'37-M'38-SM'43), V.P., Resident
 Mgr., Tech. Dir., Central Broadcasting Co., 1100 Walnut
 St., Des Moines 7, Iowa.
- St., Des Moines /, Iowa.

 LOYND, HARRY T., JR. (S'55-M'57), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 LOYNES, OWEN H. (A'23-VA'39)(L), Consultant, Hughes Aircraft Co., Home: 554 Eucalyptus Ave., Hawthorne, Calif.

- Calif.

 LOZIER, JOHN C. (SM'45), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N.J.,

 LDZIER, WILLIAM B., JR. (A'55), Staff Engr., IBM,
 Endicott, N.Y.

 LUBBERT, GEORGE L. (M'53), Chief Consulting Engr.,
 Research-Design Development, 5609 Merrille Ave.,
 Baltimore 15, Md.

 LUBCKE, HARRY R. (A'26-M'32-SM'43-F'51), Consulting TV Engr. & Registered Patent Agent, 2443 Creston
 Way, Hollywood 2B, Calif.

 LUBCK, RAY V. (S'57-M'59), Dynamic Engr., Con-
- LUBECK, RAY V. (S'57-M'59), Dynamic Engr., Con-vair, Pomona, Calif.
- LUBELFELD, JERZY (M'59), Assoc. Prof., Elec. Engrg., Air Force Institute of Technology, Wright-Patterson AFB,

- Air Force Institute of Technology, Wright-Patterson AFB, Ohio.

 LUBELL, ALAN H. (M'5B), Research Physicist, Hughes Aircraft Co., Fullerton, Calif.

 LUBELL, PETER D. (S'56-M'59), Microwave Engr., Narda Microwave Corp., 134 Herricks Rd., Mineola, L.I., N, Y.

 LUBER, LAWRENCE (S'49-A'50-M'54), Elec. Engr., Radiomarine Engrg. RCA, Camden 2, N.J.

 LUBICH, JOSEPH W. (S'5B-M'59), Trainee, Westinghouse Elec. Corp., Pittsburgh, Pa.

 LUBIN, MARVIN (S'48-A'51-M'56), Chief Physicist, JEM Electronic Co., 743 Circle Ave., Forest Park, III.

 LUBIN, ASMUEL (M'46-SM'56), Tech, Adviser, Dept. of Munitions, Ministry of Defense, Govt. of Israel, Hakirya, Tel Aviv, Israel.

 LUBKIN, SAMUEL (SM'46), Mgr., Digital Dev., Curtiss-Wright Electronic Div., 631 Central Ave., Carlstadt, N.J.

 LUBKIN, YALE J. (S'51-A'54-M'55), Engr., Airborne Instruments Lab., Mineola, L.I., N,Y.

 LUBLIN, IRVING (M'55), Sr. Engr., American Bosch Arma Corp., Garden City, L.I., N,Y.

 LUBORE, STEPHEN H. (M'5B), Engr., Nuclear Prods., Erco Div., ACF Industries Inc., 508 Kemnedy St., N.W., Washington 11, D.C.

 LUBOW, BERNARD P. (S'55-M'59), Elec. Engr., RCA, Moorestown, N.J.

 LUCAL, HAROLD M. (S'44-A'51-M'56), Assoc., Prof.

- Moorestown, N.J.

 LUCAL, HAROLD M. (S'46-A'51-M'56), Assoc. Prof.,
 Elec. Engrg., Univ. of Connecticut, Box U-37, Storrs,
 Conn.
- LUCAS, ALBERT E. (S'57-A'59), 1719 Hazeldine, S.E., Albuquerque, N.M.
 LUCAS, ARTHUR C. (M'58), Radiation Physics Engr., GE Co., X-Ray Dept., Milwaukee, Wis.
 LUCAS, AUGUSTIN (A'58), 5137 Granada St., Los Angeles 42, Calif.

- Angeles 42, Calif.

 LUCAS, CHARLES H. (M'56), Owner, Charles Lucas
 Sales Co., 2004 S. Beckley, Dallas 16, Tex.

 LUCAS, DONALD T. (A'45-M'55), 9501 W. Grand Ave.,
 Franklin Park, III.

 LUCAS, EARL F. (A'41-M'57), Project Engr., Central
 Sales & Mfg., Richwood Pl., Denville, N.J.

 LUCAS, EDMUND D., JR. (M'56), Contract Administrator,
 Northam Electronics, Inc., 2420 N. Lake, Altadena,
 Calif.
- LUCAS, EDWARD J. (S'4B-A'51-M'56), Sr. Design Engr., Crosley Div., Avco Research Lab., 257 Crescent, Waltham, Mass.
- Md35. LUCAS, FIELDING G. (S'48-A'48-M'55), Chief Engr., Minneanolis-Honeywell Regulator Co., 1724 S. Mountain Ave., Duarte, Calif.

 LUCAS, FRANK B. (A'46-M'50-SM'53), Prof. & Chm. of Dept. of Elec. Engrg., Univ. of Miami, Coral Gables 46, Fla.

- Gables 46, Fla.

 LUCAS, GEORGE R. (S'56-M'57), Communications
 Doeration Officer, 2nd Radio Relay Sodn., 5th Comm.
 Gp., FEAF, APO 239, San Francisco, Calif.

 LUCAS, HORACE B. (A'55), Chief, Airborne Instrumentation Sect., Electronic Branch, Air Proving Ground Center,
 Eglin AFB, Fla.
- LUCAS, ROBERT M. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Whitopany, N.J. LUCAS, VENARD M. (M'46), Mgr., Mktg., HMED, GE Co., Syracuse, N.Y.
- LUCE, DAVID W. (M'57), Electronics Research Engr Lockheed Missile Systems Div., 7701 Woodley Ave Van Nuys, Calif.
- Van Nuys, Calif.

 LUCE, ERNEST S. (M'58), Asst. Prof., Electronic Technology, Univ. of Houston, Houston 4, Tex.

 LUCE, PETER P. (A'55), V.P., Universal Transistor Prods. Com., 17 Brooklyn Ave., Westbury, L.I., N.Y.

 LUCE, RALPH W. (S'56-M'58), Assoc. Engr., "A," Douglas Aircraft Co., El Segundo, Calif.

 LUCE, RICHARD R. (M'54), Maj., USAF, Chief, Instrumentation Sect., 704th Instrumentation Sqdn., Vandenberg AFB, Calif.

 LUCE, ROBERT C. (S'53-A'54), 394D Pine St., Philadelphia 4, Pa.

- Philadelphia 4, Pa.

 LUCERO, RAUL C. (S'57-M'59), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 LUCEY, WILLIAM E. (A'51-M'52), Research Engr.,
 Boeing Airplane Co., Seattle 14, Wash.

 LUCHI, ROBERT D. (M'55), Sr. Field Engr., Bendix
 Radio, Greenspring & Smith Ave., Baltimore 9, Md.

 LUCHTER, DANIEL (A'53-M'58), Systems Engr., Curtiss
 Wright Corp., Box B324, Albuquerque, N.M.

- LUCIANI, VINCENT J. (M'5B), 2657 S. W. 43 St., Dklahoma City, 0kla.
 LUCID, JAMES R. (A'53-M'5B), Dir., Engrg., Hgrs., European GEEIA Region, APO 633, New York, N.Y.
 LUCIER, OMER S. (A'4B), Maint, Co-ordinator, Merck Shar
- LUCK, ARTHUR J. (M'55), Mgr., Equipment Dev. Sect., Countermeasures Dept., Raytheon Mfg. Co., Wayland, Mass.
- Mdbs.
 LUCK, DAVID G. C. (M'46-SM'50-F'51), Staff Engr.,
 RCA, Camden, N.J.
 LUCK, ROBERT (M'5B), Mem. Tech. Staff, Space
 Technology Labs., Inc., Box 95D01, Los Angeles
 45, Calif.
- LUCKE, WILLIAM N. (M'59), Lt. Col., U.S. Army, Dir., Engra. Data Processing Center, Corps of Engrs., Washington 25, D.C.
- INGURE 25, U.S. (SM'56), Sr. Mathematical Physicist, Stamford Research Institute, Menlo Park, Calif.
 LUCKE, MASTON S. (SM'56), Sr. Mathematical Physicist, Stamford Research Institute, Menlo Park, Calif.
 LUCKENBACH, RALPH R. (S'49-A'51-M'56), Mgr., Electronics Sect., Special Prods. Engrg. Dent., Ampex Corp., 934 Charter St., Redwood City, Calif.
- LUCKOCK, WAYNE J. (M152), Sr. Engr., Martin Co.,
- Cocoa, Fia.
 LUCY, CHARLES J. (A'53-M'59), Mgr., Prod. Engrg.,
 Coming Glass Works, 550 High St., Bradford, Pa.
 LUCY, ROBERT F. (M'56), Engrg. Specialist, Sylvania
 Elec. Prods., Inc., Waltham, Mass.
- LUCYK, JOHN (A'43-M'52), Electronics Engr., Army Research & Development Lab., Ft. Monmoi N.J
- LUCYK, JOHN W. (A'43-M'52), Chief Engr., Aerovox Canada, Ltd., 1551 Barton St., E., Hamilton, Ont., Canada.
- Canada.

 LUDDY, EDWARD N. (M'43), Mgr., Broadcast & TV Transmitter & Antenna Equipment Sales, RCA, Camden, N. J.

 LUDEKENS, LOUIS E. (M'55), Electronics Engr., Southern California Edison Co., 601 W. 5 St., Los Angeles, Calif.

 LUDGATE, FELIX E. (SM'53), Group Capt., Air Ministry, Whitehall Gardens, London WJ, England.

 LUDLAM, WILLIAM A. (S'50-A'53-M'5B), Asst. Project Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 LUDVIGSON, MERRILL T. (S'4B-A'50-M'55), Engr. Group Head, Collins Radio Co., Cedar Rapids, Jowa.

 LUDWICK, CLIFFORD A. (A'57), Foreman, Test Equipment. Construction, GE Co., Bryan Dairy Rd., St. Petersburg, Fla.

 LUDWICZAK, THADDEUS A. (M'57), Editor, Reviewer,

- LUDWICZAK, THADDEUS A. (M'57), Editor, Reviewer, Technical Publications, H. L. Yoh Co., 123 S. 2nd St., Philadelphia 6, Pa.
- Philadelphia 6, Pa.

 LUDWIG, ALBERT R. (A'52-M'57), Electronics Engr., Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind.

 LUDWIG, CARL J. (A'56), V.P., & Sales Engr., Shalco, Inc., 23525 Woodward Ave., Ferndale 20, Mich.

 LUDWIG, DON E. (A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 LUDWIG, GARY L. (S'57-M'59), 2nd Lt., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.

 LUDWIG, JOHN T. (S'47-A'55), Sr. Design Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.

- LUDWIG, MARTIN L. (S'56-M'59), B7 Teaneck Rd., Teaneck, N. J.
- Teaneck, N. J.

 LUDWIG, ROBERT I. (A'59), Assoc. Engr., Howard E. Schrodel Associates, Consulting Engrs., 500 Wall St., Seattle,

 Wash.
- wasn.
 LUDWIG, SIDNEY (M'51), Pres., Tenna Mfg. Co., 7580
 Garfield Blvd., Cleveland, Ohio.
 LUEBBEN, RICHARD G. (A'53-M'55), Sr. Electronics
 Engr., Ryan Electronics Div., Box 230B, San Diego 20,
 Calif.
- LUEBERT, WILLIAM F. (S'54-M'57-SM'57), Chief Automatic Data Processing Equipment Branch, U. S. Army Signal Engrg. Labs., Ft. Monmouth, N. J. LUEBKE, WILLIAM R. (S'49-A'51-M'56-SM'57), Research Assoc., Stanford Electronics Labs., Stanford Univ., Stan-ford, Calif.
- LUECKE, EDGAR J. (M'59), Asst. Prof., Elec. Engrg., Valparaiso Univ., Valparaiso, Ind. LUECKE, GERALD (S'49-A'52-M'56), Sr. Engr., Circuit Dev., Texas Instruments, Inc., Box 312, Dallas 35, Tex. LUECKE, MARVIN W. (A'48), TV Training Supvr., Westinghouse Elec. Supply Co., 1600 W. Comell St., Milwakee 1, Wis.
- waukee 1, Wis.

 LUECKER, GEORGE E. (S'44-A'46-M'55), Chief, Civil Aviation Assistance Group/Greece, FAA, USOM/CAAG, APD 223, New York, N. Y.

 LUEDDE, WILLIAM J. (A'54), Sr. Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

 LUEDERS, LOUIE, JR. (A'56), Engr., RCA, Camden, N. J.

 LUEDICKE, EDUARD (M'55), Chief Engr., RCA Victor, Ltd., Fraser, Renfrew, Ont., Canada.

 LUEDTKE, ARTHUR (S'39-A'43-M'55), Chief, Equipment Construction & Installation Branch, FCC, Box 98, Powder Springs, Ga.

 LUEDTKE, PETER R. (S'54-A'55), Comic Tallotte.

- LUEDTKE, PETER R. (S'54-A'55), Carrier Telephone Technician, Budelman Electronics Corp., 375 Fairfield Ave., Stamford, Conn.
- LUEDTKE, RICHARD L. (S'54-M'5B), 80x 945, Palo Alto, Calif.
- LUEHRING, ELMER L. (S'54-A'55), Elec. Engr., Hi-Vol-tage Equipment Co., 4000 E. 116 St., Cleveland 5, Ohio.

- LUEHRING, ELMER L. (S'54-A'55), Elec. Engr., Hi-Voltage Equipment Co., 4000 E. 116 St., Cleveland 5, Ohio. LUFF, FRANK T. (M'58), Supvy. Electronics Engr., FAA, Washington 25, D. C.

 LUFTMAN, ALVIN S. (S'50-A'50-M'56), Dept. Head, Storage Tubes, Raytheon Mfg. Co., Waltham, Mass. LUGANNANI, ROBERT (S'56-M'57), 400-C Devereaux Ave., Princeton, N.J.

 LUGER, HERBERT P. (A'59), Engrq. Librarian, Otis Elevator Co., 35 Ryerson St., Brooklyn 5, N.Y.

 LUH, JONNSON Y. S. (A'57), Instr., Elec. Engrg. Dept., Univ. of Minnesota, Minneapolis 14, Minn.

 LUHN, HANS P. (M'51), Sr. Research Engr., IBM, Box 21B, Yorktown Heights, N.Y.

 LUHN, PAUL J. (S'51-A'53-M'58), Elec. Engr., III, Avco Mfg. Corp., 1329 Artington St., Cincinnati 25, Ohio.

 LUHOWY, GABRIEL J. (S'58-M'59), Stromberg-Carlson Co., 1400 N. Goodman St., Rockster 9, N.Y.

 LUHRS, CHARLES H. (A'45-M'50), Pres., C. H. Luhrs & Co., 297 Hudson St., Hackensack, N. J.

- LUI, GEDRGE G. (A'57), Field Engr., Nuclear Prods., Erco Div., ACF Industries, Inc., Riverdale, Md.

- Erco Div., ACF Industries, Inc., Riverdale, Md.
 LUIGGI, RAYMDND H. (A '5-4), Publications Engr., Military Prods. Div., IBM, Kingston, N. Y.
 LUIK, ILMAR (S'57-M'5B), Engr., Collins Radio Co.,
 Cedar Rapids, Iowa.
 LUIKEN, DONALD G. (S'55-M'57), Publications Engr.,
 Collins Radio Co., Cedar Rapids, Iowa.
 LUISI, JAMES A. (S'56-M'59), Electronics Officer, USAF,
 Air Force Signal Corps B626, Edwards AFB, Calif.
 LUK, YUI-KWDNG (S'41-A'42-M'57), Pres., Electronics
 Engra, Co., 9 Ice House St., Hong Korg.
 LUKACS, PAUL (M'59), Dev. Engr., Sperry Gyroscope Co.
 of Canada, Ltd., Box 71.0, Montreal, P. Q., Canada,
 LUKAS, JOSEPH M. (4'53), Assoc. Fagr., ISM, Dween
- LUKAS, JOSEPH M. (A'53), Assoc. Engr., IBM, Owego,
- LUKAS, WALTER (S'42-A'45-M'55), Mgr., Advanced Dev., Emerson Radio & Phonograph Corp., 16 & Coles St., Jersey City, N. J.
- City, N.J.

 LUKASHEWITZ, PHILIP (A'47), Jr. Engr., Avien, Inc.,
 Woodside, L. I., N.Y.

 LUKAWSKI, EDWARD L. (M'59), Supvr., Engrg. Lab. Unit,
 Chrysler Missile Div., Box 262B, Detroit 31, Mich.

 LUKE, GEORGE W., JR. (S'49-A'51-M'5B), Asst. Group
 Supvr., Applied Physics Lab., The Johns Hopkins Univ.,
 Silver Spring, Md.
- LUKE, LLOYD M. (S'46-A'49-M'55), Project Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N. Y.
 LUKE, RICHARD O. (S'49-A'52-M'5B), Engr., Western
 Union Telegraph Co., Water Mill Lab., Water Mill, L.L.,
 N.Y.
- LUKE, ROBERT W. (M'49), Research Asst., Medical School, Univ. of Western Ontario, 346 South St., London, Ont., Canada.
- Unt., Canada.

 LUKENBILL, ROBERT S. (A'51-M'56), District Sales Mgr.,
 GE Co., 1722 Westwood Bivd., Los Angeles 24, Calif.

 LUKENS, ROBERT, JR. (M'51-SM'51), Space Communications Project Engr., Philoc Corp., Govt. & Industrial
 Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- LUKIANDFF, LEO (A¹59), Electronics Dev., Lourdes Instru-ment Coro., 53 & 1st Ave., Brooklyn 32, N. Y. LUKIANOV, ROMAN E. (A¹55-M¹59), Electronics Design Engr. DA^TAmatic Div., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton Highlands 61, Mass.

- Engr. DATAmatic Div., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton Highlands 61, Mass.

 LUKOFF, HERMAN (A'52-M'57-SM'5B), Engrq. Dir., Systems Dev. 1, Remington Rand Univac, 19 & Alfegheny Ave., Philadelphia, Pa.

 LUKSCH, JAMES A. (M'5B), Design Elec. Engr., RCA, Moorestown, N. J.

 LULL, ROGER E. (M'57), Semi-Sr. Engr., Sprague Electric Co., North Adams, Mass.

 LULOFS, JACK R. (A'52-M'57), Engr., Nortronics Div., Northron Aircraft Co., 500 E. Orangethorne, Anaheim, Calif.

 LUM, MONTE A. (M'5B), Electronics Engr., Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 LUMBERT, JOHN S. (A'5B), Tech. Electronics Specialist, Federal Electric Corp., Paramus, N. J.

 LUMLEY, JACK N. C. (S'56-M'57), Flight Lt., Air Observer Radio RCAF, Air Force Hgr., Ottawa, Ont., Canada.

 LUMLEY, ROBERT M. (S'54-A'55), Asst. Engr., Western Electric Co., Lexington Rd., Winston-Salem, N.C.

 LUMPKIN, RICHARD C. (S'57-M'58), Electronics Engr., Inertial Component Research, Wright Air Development Center, Daton, Ohio.
- LUMSDEN, RAY B. (A'43-M'50-SM'56), Supvg. Engr., Power, Bell Tel. Co. of Canada, 1060 University Ave., Montreal, P.Q., Canada. LUN, MICHAEL J. (S'41-A'45-M'55), Physicist, Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- Physics Lab., The Johns Hopkins Univ., Silver Spring, Md LUNA, ARMANDO H. (M'55), Research Engr., Boeing Airplane Co., Box 3925, Seattle 24, Wash.
 LUND, CRRISTIAN D. (A'47-M'55), Research Supvr., A/S Elektromekano, Aarhusgade BB, Copenhagen DE, Denmark.
 LUND, CURTIS W. (A'44-SM'46), Protection Engr., The Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland 4, Ore.
- LUND, DANIEL M. (S'50-A'51-M'57), Electronics Field Engr., Northern Electric Co., 250 Sidney St., Belleville, Ont., Canada.
- LUND, FREDERICK H. (S'51-A'52-M'56), Supvy. Aeronau tical Research Engr., Automatic Stability & Control, U.S. Naval Missile Center, Code 5212, Point Mugu, Calif.
- LUND, GEDRGE E. (5'52-A'53-M'58), Dev. Engr., Burroughs Corp., Paoli, Pa. LUND, JOHN E. (A'43), B428 Apricot St., New Orleans 18, La.

- 18, La.

 LUND, NEAN (A'40-M'55), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N.J.

 LUND, ROBERT T. (A'56), Dept. Mgr., Raytheon Mfg.,
 Co., Maynard, Mass.

 LUND, ROBERT W. (S'57-A'59), Asst. Electronics Design
 Engr., Raytheon Mfg. Co., Bedford, Mass.

 LUND, ROGER E. (S'48-A'51-M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.

 LUND, THOMAS J. (S'48-A'51-M'3455 E. Ellsworth Rd.,
 Ypsilanti, Mich.

 LUND, TAM METRE (M'59), 53 W. Jackson Blvd., Chicago
 4, Ill.

 LUND, WALTER W. Inc. (Alego Califold Color)

- 4, III.

 LUND, WALTER W. JR. (M'52-SM'56), Sr. Engr., Morthrop Aircraft, Inc., Northrop Field, Hawthome, Calif.

 LUND, WINSTON W. (S'50-A'53-M'57), Mem. Tech.

 Staff, Hughes Aircraft Co., Culver City, Calif.

 LUNDAHL, TORE (A'55-M'45-SM'49), V.P., Tech Appliance Corp., 1 Taco St., Sherbume, N.Y.

 LUNDAHL, WALTER N. (M'57), Sect. Chief, Advanced

 Flight Control, Minneapolis-Honeywell Regulator Co., Inc.,
 2600 Ridgeway Rd., Minneapolis Já, Minn.

 LUNDBERG, BEVERLEY E. (S'57-M'59), Engr., McDonnell

 Aircraft Corp., Lambert Municipal Airport, St. Louis, Mo.

 LUNDBERG, CHARLES F. (S'55-M'56), Systems Design

 Engr., Electronics, Chance-Vought Aircraft Corp., Box

 5907, Dallas, Tex.

 LUNDBERG, RICHARD E. (M'57), Research Engr., Barkley
- LUNDBERG, RICHARD E. (M'57), Research Engr., Barkley & Dexter Labs., Inc., 50 Frankfort St., Fitchburg, Mass. LUNDBERG, RICHARD L. (5'55-M'57), Electronics Engr., Naval Avionics Facility, 21 & Arlington, Indianapolis 1B, Ind. LUNDBERG, RICHARD M. (S'4B-A'50-M'5B), Staff Engr., Pacific Telephone & Telegraph Co., 740 Exchange Bldg., Seattle, Wash.

- LUNDBERG, ROBERT H. (M'58), Engr., Western Electric Co., Marion & Vine Sts., Reading, Pa.

 LUNDBERG, THERESA H. (A'58), Designer, Raytheon Mfg., Co., Maynard, Mass.

 LUNDBERG, WAYNE R. (M'58), Planning Engr., Western Electric Co., Laureldale, Pa.

 LUNDBERG, WAYNE R. (M'58), Planning Engr., Western Electric Co., Laureldale, Pa.

 LUNDBERG, FRANK J. (S'38-A'40-SM'51), Engr., ITT Labs., Nutley 10, N.J.

 LUNDGREN, CARL W., JR. (S'57-M'58), 2428 Homestead Pl., Cincinnati 11, Ohio.

 LUNDGREN, DON L. (A'52-SM'57), Electronics Engr., RCA, Camden, N.J.

 LUNDGREN, PAUL L. (S'45-A'50-M'55), Research Engr., Electronic Design, Boeing Airplane Co., Wichilta I, Kan.

 LUNDGREN, PAUL R. (A'53), Engr., Norden Div., United Aircraft Corp., 121 Westmoreland Ave., Withita I, Kan.

 LUNDGREN, PAUL R. (A'43-M'55), Project Engr., Kearfot Co., Inc., 1500 Main Ave., Cliffon, N.J.

 LUNDON, JOHN J. (M'54), Quality Control Mgr., Radio Condenser Co., Davis & Copewood Sts., Camden, N.J.

 LUNDQUIST, CLIFFORD R. (A'43-SM'53), Electronics Scientist, Naval Ordnance Lab., Corona, Calif.

 LUNDQUIST, FRANK E. (A'48-M'55), Owner, Lundquist Commerical Radio., 223 N. 15 St., Billings, Mont.

 LUNDQUIST, GLORGEA. (S'46-A'49-M'55), Research Engr., Naval Ordnance Lab., Silver Spring, Md.

 LUNDQUIST, GLORGEA. (S'46-M'49-M'55), Research Engr., Naval Ordnance Lab., Silver Spring, Md.

 LUNDQUIST, GLORGEA. (S'46-M'49-M'55), Posign Engr., GE

 Co., LMED, Johnson City, N.Y.

 LUNDRY, PONALD W. (S'58-M'59), Design Engr., GE

 Co., LMED, Johnson City, N.Y.

 LUNDSTROM, ALEXIS A. (SM'48), Research Engr., Bell Tel. Labs., Winiparny, N.J.

 LUNDSTROM, ALEXIS A. (SM'48), Research Engr., Pell Tel. Labs., Winiparny, N.J.

 LUNDSTROM, ALEXIS A. (SM'48), Research Engr., Pell Tel. Labs., Winiparny, N.J.

 LUNDSTROM, ALEXIS A. (SM'48), Research Engr., Pell Tel. Labs., Winipary, N.J.

 LUNDSTROM, DALD W. (S'58-M'59), Design Engr., Remington Rand Univac, St. Paul 16, Minn.

 LUNDSTROM, ALEXIS A. (SM'48), Research Engr., Pell Tel. Labs., Winipary, N.J.

 LUNDSTROM, ALEXIS A. (SM'48), Resea

- Rand Univac, St. Paul 16, Minn. LUNDSTROM, OSCAR C. (S'42-A'46-M'55), Tube Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif. LUNDWALL, BROR H. (A'32), Engr., Br. Anderssons, Velociped & Radiofabrik AB., Kungsgatan 16-18, Goteborg, Sweden.
- LUNDY, CLARENCE C. (SM'47), 3311 E. Georgia Ave., Phoenix, Arlz.
 LUNDY, PAUL E. (S'58-M'59), Chlef Engr., Evangelical Lutheran Church Recording & Filming Service, 2353 Hendon Ave., St. Paul B. Minn.
- LUNDY, WALTER D. (M'57), Box 2421, Ft. Huachuca,
- Ariz.
 LUND, HERSHEL R. (M'59), Staff Mem., Sandia Corp.,
 Sandia Base, Albuquerque, N. M.
 LUNGHOFER, EUGENE P. (S'57-M'59), Service Analyst,
 Convair, Pomona, Calif.
- Convair, Pomona, Call!. LUNGO, ANTHONY J. (A'54), Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md. LUNGO, ANTONIO (A'54-M'56), Sect. Head, Clevite Electronic Components, 3311 Perkins Ave., Cleveland 14, Ohio.
- LUNN, HUGH J. (S'51-A'52-M'57), Elec. Engr., Canadian Aviation Electronics, Ltd., 6214, Cote de Liesse, Montreal 9, P.Q., Canada.

- LUNN, HUGH J. (S'51-A'52-M'57), Elec. Engr., Canadian Aviation Electronics, Ltd., 6214, Cote de Liesse, Montreal 9, P. O., Canada.

 LUNN, WALTER B. (A'55), Production Supvr., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.

 LUNNEY, RAYMOND E. (M'56), Mem., Tech., Staff, Bell Tel., Labs., Whippany, N. J.

 LUNTZ, JEROME D. (A'49-M'55-SM'55), Editor & Assoc. Publisher, Nucleonics, McGraw-Hill Publishing Co., Inc., 330 W. 42 St., New York 36, N. Y.

 LUNDA, ROBERT A. (S'55-M'57), Dev. Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 LUONG, VAN B. (S'51-A'53-M'59), Dev. Engr., Well Surveys, Inc., 624 E. 4 St., Tulsa, Okla.

 LUONGO, JOSEPH (S'48-A'50-M'55), Project Engr., ITT Labs., Nutley 10, N. J.

 LUOTO, JULEVI A. (M'56), c/o Ekono, E. Esplanaadik 14, Heisinki, Finland.

 LUPANO, EDWARD L. (A'55), Project Coordinator, Intermediate Systems, IBM, 112 E. Post Rd., White Plains, N. Y.

 LUPFER, WILLIAM C. (A'52), Regional Sales Mdr., Electronics Communications, Inc., 3214 Love Field Dr., Dallas 35, Tex.

 LUPINSKI, ARTHUR M. (M'56), Sr. Elec. Engr., Genl. Devices, Inc., Princeton, N. J.

 LUPO, FRANK J. (A'45-SM'57), Sr. Design Engr., Benrus Watch Co., Waterbury, Conn.

 LUPPER, POLAND (M'59), Sales Engr., Jiveco Electronics, 21 Ave. Victor Hugo, Paris 16, France.

 LUPTON, AMY O. (S'58-A'59), Lelectronics Scientist, NATC, Pauwent River, Md.

 LUPTON, CARROLL C. (A'5B), Medical Electronics, 3300 Standards, Boulder, Colo.

 LURCH, E. NORMAN (S'43-M'45), State Uhiv. of New York, Famingdale, L. I., N. Y.

 LURIE, ELI M. (A'31-VA'39-M'55-SM'57), Chief Engr., Fleetwood Labs., Inc., 300 Victory Blvd., New Rochelle, N. Y.

- LURIE, WILLIAM B. (M'46-SM'4B), Pres. & Chief Engr., Fleetwood Labs., Inc., 300 Victory Blvd., New Rochelle,
- N.Y.
 LURIN, ELY S. (S'55-M'56), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 LURION, EMIL (A'48-M'57), Dev. Engr., RCA Victor, Home Instruments Div., 1001 Lenoir, Montreal, P.Q., Canada.
 LURYE, JEROME R. (A'42-M'55), Sr. Supvy. Scientist, Technical Research Group, Inc., 2 Aerial Way, Syosset, L.I., N.Y.
 LUSCHER, ROBERT W. (A'56), Dev. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.
 LUSCOMBE, CHARLES F. (A'45-M'45), District Sales Mgr., Ampex Corp., 504 Launfall Rd., Plymouth Meeting, Pa.

- LUSE, JAMES D. (S'49-A'50-M'55), Cmdr., USCGC, Commanding Officer, USCGC Escanaba, New Bedford, Mass. LUSH, MORLEY J. (A'47-S'48-A'50-M'55), Chief Engr., Rawson Electric Instrument Co., 11B Potter St., Cam-bridge 42, Mass.
- bridge 42, Mass. LUSH, WILLIAM G. (A'20-M'27-SM'43), Retired, Box 727, Southampton, L.I., N.Y.
- Soutnampton, L.I., N.Y.
 LUSHINSKY, GENE A. (S'57-A'57), Electronics Technician,
 Ramo-Wooldridge Corp., 8433 Fallbrook Ave., Canoga Park,

- Calif.

 LUSK, ERNEST C. (A'53), Radar Genl. Foreman, USAF,
 Kelly AFB, San Antonio, Tex.

 LUSK, LAMES R. (S'56-M'58), 2725 S. Hoover St., Los
 Angeles 7, Calif.

 LUSK, THOMAS D. (M'57), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 LUSKIN, BERNARD (A'53-M'57), Research Assoc., Lamont
 Geological Observatory, Columbia Univ., Pal'sades, N.Y.

 LUSKOW, ALLAN A. (A'59), 39 The Cross Path, Radlett,
 Herts, Fonland
- LUSKOW, ALLAN A. (A'59), 39 The Cross Path, Radlett, Herts., England LUSSER, ROBERT (M'56), Dir., Research & Dev., Messerschmitt A. G., Deutsches Museum, Munich, Germany, LUSTED, LEE B. (A'45-SM'53-F'59), Asst. Prof., Radiology, Univ. of Rochester Medical School, Strong Memorial Hospital, Rochester 20, N.Y.

 LUSTGARTEN, MERRILL N. (SM'58), Engr., The Rand Corp., 1700 Main St., Santa Monica, Calif.

 LUSTIG, HOWARD E. (S'49-A'52-M'55-SM'59), Project Suppr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, J. N.Y.

 LUTENER, ORAL C. (M'52), Head, Maint. Group, Instrumentation & Data Reduction Sect., U. S. Army Air Defense Board, Ft. Bliss, Tex.

 LUTFS, ROBERT K. (A'37-M'46), Electronics Engr., Ben-

- Edition & Data Reduction Sect., U.S. Army Air Defense Board Ft. Bliss, Tex.

 LUTES, ROBERT K. (A'37-M'46), Electronics Engr., Bendix Aviation Corp., 95 & Troost., Kansas City 2B, Mo.

 LUTH, PERRY A., JR. (A'48-M'52), Mgr., Mfg., Electronic Equipments Div., Litton Industries, Inc., 336

 Foothill Rd., Beverly Hills, Calif.

 LUTHANS, RICHARD L. (A'55), Systems Engr., Collins Radio Co., 1930 Hilline Dr., Dallas, Tex.

 LUTHER, ARCH C., JR. (S'49-450-M'56), TV Terminal Equipment Engr., RCA, Camden, N.J.

 LUTHER, GLENN M. (A'42), Engrg., Supvr., KPIX Westinghouse Broadcasting Co., Inc., 2655 Van Ness Ave., San Francisco 9, Calif.

 LUTHER, JOHN M. (S'57-M'59), Engrg., Trainee, The Bell Tel. Co. of Pennsylvania, 201 Stanwix St., Pittsburgh 22, Pa.

- Pa.

 LUTHER, RICHARD E. (A'52), Supvg. Engr., Communications, Iowa Power & Light Co., B23 Walnut St., Des Moines, Iowa LUTHIGER, RALPH (M'5B), Design Engr., GE Co., LMED, Utica, N.Y.

 LUTKE, THOMAS A. (S'56-A'59), 4103 W. Boulevard, Brooklyn 9, Ohio.

 LUTTRELL, JOHN A., JR. (M'54), Guidance Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 LUTTRELL, NATHANIEL H., JR. (A'53-M'5B), Electronics Engr., Naval Ordnance Lab., Silver Spring, Md.

 LUTY, RAY C., JR. (A'53), Dev. Engr., Aerojet-Genl. Corp., 6532 N. Irwindale Ave., Azusa, Calif.

 LUTZ, BRUCE C. (S'40-A'46-M'55), Assoc. Prof., Elec.

- Corp., 5532 N. Irwindale Ave., Azusa, Calif.
 LUTZ, BRUCE C. (S'40-A'46-M'55), Assoc. Prof., Elec.
 Engra., Univ. of Delaware, Newark, Del.
 LUTZ, BRUCE C. (S'56-M'59), Design Engr., Geni. Mills,
 Inc., 2003 E. Hennenin, Minneapolis 13, Minn.
 LUTZ, CHARLES H. (SM'54), Chief Electronics Engr.,
 Missiles & Space Systems Div., United Aircraft Corp.,
 Main St., East Hariford, Conn.
 LUTZ, CHARLES J. (A'56), Foreman, American Bosch Arma
 Corp., Garden City, L. I., N. Y.
 LUTZ, IVAN C. (S'46-A'49-M'54-SM'57), Elec. Engr.,
 Univ. of California Radiation Lab., Berkeley, Calif.
 LUTZ, JOHN W. (SM'56), Electronics Components Engrg.,
 Bendix Aviation Corp., Box 1159, Kansas City 41, Mo.
 LUTZ, LUSE E. (S'54-M'56), Staff Asst., Engrg., A T&T
 LUTZ, LUSE E. (S'54-M'56), Staff Asst., Engrg., A T&T
- Denoix Avviation Corp., Box 1107, Ransas City 41, Mo-LUTZ, LOUIS E. (S'54-M'56), Staff Asst., Engrg., AT&T Co., 145 State, Springfield 3, Mass. LUTZ, MARTIN W. (M'59), Asst. Engr., Raytheon Mfg. Co., Wayland, Mass. LUTZ, SAMUEL G. (A'35-M'40-SM'43), Dir., Engrg., Commwaication Div., Hughes Aircraft Co., Cuiver City, Calif.
- LUTZE, DONALD L. (S'52-A'53-M'58), Mem. Tech. Staff, Continental Device Corp., 12911 Cerise Ave., Hawthome,
- Calif.
 LUTZE, RAYMOND J. (SM'55), Engr., GE Co., Utlca. N.Y.
 LUX, GEORGE R. (S'56-M'59), Elec. Engr., A. S. Schulman Electric Co., 2416 S. Michigan, Chicago 16, Ill.
 LUX, KENNETH E. (A'49), Maint. Supvr., (TV), KFEQ,
 inc., St. Joseph, Mo.
 LUX, MELVIN O. (S'50-A'51-M'51-SM'58), Supvr.,
 Electronic Measurements Group, Land-Air, Inc., Holloman
 AFB, N.M.

- AFB, N.M.

 LUX, PAUL A. (S'57-M'58), Assoc. Scientist, Lockheed
 Missile Div., Palo Alto, Calif.

 LUYKX, JULIAN D. (A'58), Mech. Engr., Hughes Aircraft
 Co.. Culver City. Calif.

 LUZER, HARRY J. (A'50-M'56), Chief Instr., Radio Electronic Television Schools, 3730 Woodward, Detroit 1,
 Mich.
- MIGH.
 LWIN, MAUNG M. (A'56), Asst. Radio Engr., Dept. of Civil
 Aviation, Mingaladon Airport, Rangoon, Burma.
 LYBARGER, SAMUEL F. (M'43-SM'53), V.P. & Chief
 Engr., E. A. Myers & Sons, Inc., Valley Brook Rd.,
 Canonsburg, Pa.
- Canonsburg, Pa.

 LYDEN, JOHN A., JR. (M'56), 2nd Lt., USAF, Electronics
 Engr., AF Cambridge Research Center, Hanscom Field,
 Bedford, Meass.

 LYDIARD, CLIFFORD E. (A'58), Assoc. Engr., National
 Co., 61 Sheman St., Malden, Mass.

 LYDICK, JOHN D. (A'55-M'55), Mem. Tech. Staff,
 Ramo-Mooldridge, 5500 El Segundo Blvd., Los Angeles
 45, Calif.

- LYDON, DAVID A. (A'57), Field Engr., RCA, Box 885, Ft. Huachuca, Arlz.

 LYERLY, ELBERT E. (A'47), 538 Peachtree St., Cocoa,
- LYKE, ERVIN F. (M'49), Pres. & Geni. Mgr., WVET & WVET-TV, Veterans Broadcasting Co., Inc., 17 Clinton Ave., S., Rochester 4, N.Y.

- LYLE, A. ERNEST (M'32-SM'43), Chief Engr., Receiving Tube Div., Lansdale Tube Co., Church St., Lansdale, Pa. LYLE, DOUGLAS A. (A'56), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C. LYLE, IRA W., JR. (A'48-M'50), Service Supvr., Southern Bell Tel. & Tel. Co., 521 W. Chestnut St., Louisville, Ky. LYLE, WILLIAM H. (SM'57), Dir., Comm-Elec. Div., ACSC, USAF, Maxwell AFB, Ala. LYM, VERNON W. (S'55-M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif. LYMAN, FRANK, JR. (A'34-VA'39-M'55), Pres., Harvey Radio Labs., Inc. & Cambridge Thermionic Corp., 447 Concord Ave., Cambridge 3B, Mass. Also, Pres., Middlesex Broadcasting Corp.
- sex Broadcasting Corp.

 LYMAN, HAROLD T., JR. (A'39-SM'45), Dir., Johnson
 Labs. Div., Aladdin Industries, Inc., 603 Riverside Ave.,
 Westport, Corn.
- Westport, Conn.
 LYMAN, JOHN (M'5B), Univ. of the City of Los Angeles,
 Engrg. Dept., Los Angeles 24, Callf.
 LYMAN, JOHN R. (A'53), Pres., Lyman Electronic Corp.,
 12 Cass St.; Pres., Soundco Electronic Supply Co., 147
 Dwight St., Springfield, Mass.
- Dwight St., Springfield, Mass.
 LYMAN, REGINALD P. (A:23-M'26-SM'43), Brlg. Gen.,
 U.S. Army, Retired, Communications Consultant, 62
 Chestnut Ave., Rutland, Vt.
 LYMAN, RICHARD C. (S'53-A'55-M'56), Sr. Engr.,
 Westinghouse Elec. Coro., Box 10596, Pittsburgh 35, Pa.
- LYNCH, ARTHUR H. (A'14-M'26-SM'43), Pres., Arthur H. Lynch & Associates, Inc., 35 W. North Shore Ave., Ft. Myers, Fla.

- Lynch & Associates, Inc., 35 W. North Shore Ave., Ft. Myers, Fia.

 Lynch, ARTHUR J., JR. (M'56), Chief, Field Operation Branch, Missile Countermeasures Div., Holloman Air Development Center, N. M.

 Lynch, CARROLL F. (SM'5B), Mgr., Engrg. Administrative Planning & Control, IBM, Kingston, N.Y.

 Lynch, CHARLES V., JR. (M'57), Engrg. Specialist, Covt. & Industrial Div., Philoc Corp., 4700 Wissachickon Ave., Philadelphia 44, Pa.

 Lynch, Daniel F., JR. (A'54), Engrg. Asst., Phelos-Dodge Copper Prods. Corp., Point St., Yonkers, N.Y.

 Lynch, Daniel J. (M'54), Mgr., Plans & Projects, Federal Electric Corp., Industrial Park, Paramus, N.J.

 Lynch, Daniel S. (SM'52), Project Engr., Martin Co., Baltimore, Md.

 Lynch, Don W. (M'46), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 Lynch, Edward E. (SM'53), Systems Engr., GE Co., 40 Federal St., Lynn, Mass.

 Lynch, FRANCIS R. (S'48-A'50-M'55), Elec. Engr., McDonnell Aircraft Corp., Lambert-St. Louis Municipal Airport, St. Louis 3, Mo.

 Lynch, FRANCIS T. (M'57), Electronics Staff Officer, 115AF, Hors., Boston Air Defense Sector, Stewart AFB,

- Airport, St. Louis 3, Mo.
 LYNCH, FRANCIS T. (M'57), Electronics Staff Officer,
 USAF, Hgrs., Boston Air Defense Sector, Stewart AFB,
- N.Y.
 LYNCH, FRANK W. (SM'57), V.P., Engrg., Hallamore
 Electronics Co., 8352 Brookhurst, Anahelm, Calif.
 LYNCH, H. NORRIS (M'58), Engrg. Defense Coordinator,
 Mountain States Telephone & Telegraph Co., 441 N. Park
 Ave., Helena, Mont.
- LYNCH, HERBERT S. (A¹59), Environmental Test Technician, Varian Associates, 611 Hansen Way, Palo Alto, Calif.
- LYNCH, I. EDWARD (S'50-A'51-M'57), Engr., GE Co.,
- mcian, varian Associates, 0.11 Hansen Way, Palo Atto, Calif.
 LYNCH, J. EDWARD (S'50-A'51-M'57), Engr., GE Co., Syracuse, N.Y.
 LYNCH, J. A. (A'43), 370 Fairmount Ave., Chatham, N.J.
 LYNCH, J. A. (A'43), 370 Fairmount Ave., Chatham, N.J.
 LYNCH, JOHN A. M. (M'52-SM'57), Cmdr., R.C.N., A/ECC, Dev., Naval Hgrs., Ottawa, Ont., Canada.
 LYNCH, JOHN T. (S'55-M'56), Asst. Engr., Burroughs
 Corp., Paoli, Pa.
 LYNCH, JOSEPH T. (A'59), 143-19 232 St., Jamaica
 13, L.I., N.Y.
 LYNCH, NEIL F. (S'52-A'55), Mem. Tech. Staff, Hughes
 Alrcraft Co., Culver City, Calif.
 LYNCH, PATRICK D. (M'59), Prod. Engr., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas, Tex.
 LYNCH, ROBERT D. (S'54-M'56), Supyg. Engr., Semiconductor Dept., Westinghouse Elec. Corp., Youngwood, Pa.
 LYNCH, ROBERT E. (S'50-A'53-M'58), Sr. Engr., CBSHytron, Kent St., Newburyport, Mass.
 LYNCH, ROBERT G. (G'53), Tindistrial Sales Mgr., Electronic Tubes Div., Sylvania Elec. Prods., Inc., 1740
 Broadway, New York 19, N.Y.
 LYNCH, TED M. (S'56-M'59), Elec. Engr., Wright Air
 Development Center, Dayton, Ohlo.
 LYNCH, TERENCE G. (S'51-A'52-M'56), Communications
 Engr., Westcoast Transmission Co., Ltd., 1155 W. Georgia
 St., Vancouver S., B.C., Canada.
 LYNCH, THOMAS E. (M'54), Gent. Mgr., Clevite Ordnance
 Div., Cievite Corp., 540 E., 105 St., Cleveland B, Ohlo.
 LYNCH, THOMAS J. (M'56), Research Asst., MIT
 Servomechanisms Lab. Cambridge 39, Mass.
 LYNCH, URBAN L. (M'50), Tech. Dir., Farm & Home
 Radio, KMMJ-KXXX, Cedar & Division Sts., Grand
 Island, Neb.
 LYNCH, VERNE J. (S'53-A'54-M'55-SM'59), Electronics
 Project Engr., Land-Air Corp., Holloman Missile Develop-

- LYNCH, VERNE J. (S'53-A'54-M'55-SM'59), Electronics Project Engr., Land-Air Coro., Holloman Missile Develop-ment Center, N.M. LYNCH, WALTER J. (A'53), Sales Mgr., Mecca Film Labs. & Telabs., Inc., 630 9 Ave., New York 36, N.Y.

- Labs. & Telabs., Inc., 6:30 9 Ave., New York 36, N.Y.

 LYNCH, WILLIAM A. (A'44-SM'52), Prof., Elec. Engrg., Polytechnic Institute of Brooklyn, 85 Livingston St., Brooklyn 1, N.Y.

 LYNCH, WILLIAM L. (A'53-M'57), Electronics Research Engr., Lockheed Missile Systems Div., Box 504, Sunnyvale, Calif.

 LYNCH, WILLIAM M. (M'51), Supvr., Stanford Research Institute, Menlo Park, Calif.

 LYNDON, WILLIAM M. (SM'49), Radar Project Engr., RCA, Defense Electronics, Moorestown, N.J.

 LYNESS, HAROLD J. (S'53-M'55), Advanced Engrg.

 Program, GE Co., Syracuse, N.Y.

 LYNGSTAD, ERLING O. (M'45), Electronics Engr., 2109 N. Lafayette, Bremerton, Wash.

 LYNN, FRANK M. (A'57), Systems Engrg., No. Amer. Aviation, Inc., 4300 C. 5 Ave., Columbus 13, Ohio.

 LYNN, JAMES C. (S'49-A'50-M'55), Engr., Texas

 Power & Light Co., Box 6331, Dallas 22, Tex.

- LYNN, LAMBERT H. (SM'47), Supvr., Ground Radar Engrg., GE Co., Syracuse, N.Y.
 LYNN, PAUL R. (A'44-M'55), V.P., Engrg., Cordley & Hayes, 443 4 Av., New York, N.Y.
 LYNN, RALPH D. (A'52-M'57), Research Physicist, Jersey Production Research Co., 1133 N. Lewis, Tulsa 10, Okla.
 LYNN, RAOUL B. (S'48-A'50), Project Test Engr., Hughes Aircraft Co., Box 5555, Tucson, Ariz.
 LYNNE, SAM (M'51), Project Engr., Chance-Vought Aircraft, Inc., Box 5907, Dallas, Tex.
 LYNN, SEYMOUR (SM'56), TV Design & Dev. Engr., RCA, Camden, N.J.
 LYON, C. MURRAY (A'48), Sr. Engr., Haller, Raymond & Brown, State College, Pa.
 LYON, DENNY J. (S'49-A'50-M'55), Equipment Lial-

- LYON, DENNY J. (S'49-A'50-M'55), Equipment Lialson Supvr., Lockheed Missiles & Space Div., Sunnyvale, Son 5 Calif
- LYON, DOUGLAS B. (S'56-M'59), 3349 Regis Ct., Santa Clara, Calif.
- Santa Clara, Calif.
 LYON, EDWIN, III (M'57), Sr. Dev. Physicist, ERCO/
 NEP Div., ACF Industries, Inc., Riverdale, Md.
 LYON, ERVIN F. (S'57-M'57), Staff Member, MIT,
 Lincoln Lab., Lexington 73, Mass.
 LYON, JOHN A. M. (A'49-SM'50), Prof. & Chmn.,
 Dept. of Elec. Engrg., Northwestern Univ., Evanston. III.
- LYON, JOHN R. (M'57), Staff Engr., IBM, Poughkeepsie, N.Y.

- N.Y.

 LYON, RICHARD E. (S'55-M'57), Engr., Sylvania
 Elec. Prods., Inc., Waltham, Mass.

 LYON, ROBERT L. (S'56-M'57), Design Engr., IBM,
 Endicott, N.Y.

 LYON, ROBERT W. (S'55-A'58), Antenna Test Engr.,
 Grumman Aircraft Engr., Corp., Bethpage, L.I., N.Y.

 LYON, ROYAL E. (A'50), Electronics Engr., Hughes Aircraft Corp., Culver City, Calif.

 LYON, THOMAS I. (A'54-M'56), Head, Electronics Branch,
 Millwaukee School of Engry., 1025 N. Millwaukee St.,
 Millwaukee 2, Wis.

 LYON, W. DAVID (S'58-M'58), Engr., Deck. of Trans-
- MINIMUMER 2, WIS.
 LYON, W. DAVID (S'58-M'58), Engr., Dept. of Transport, Box 42, Moncton, N.B., Canada.
 LYON, WILLIAM C. (A'58), Applications Engr., Electro
 Measurements, 7524 S. W. Macadam, Portland 19, Ore.
 LYON, WILLIAM T. (M'57), Sr. Engr., Systems Field
 Engrg., Westinghouse Elec. Corp., Box 746, Baltimore
 3, Md.
- LYON, WILLIAM W. (A'57), Engr-in-Chg., Ace Electro-nics, Inc., 99 Dover St., Somerville, Mass. LYON, ZENO G., JR. (S'54-M'55), Dev. Engr., ITT Labs., Nutley 10, N.Y.
- Labs., Nutley 10, N.Y.
 LYONS, CLAUDE L. (M'27-SM'43), Mng. Dir., Claude
 Lyons, Ltd., Valley Works, Ware Rd., Hoddesdon, Herts., England
- LYONS, ESMOND C., JR. (M'59), Field Engr., Burroughs Corp., Radnor, Pa.
- LYONS, EUGENE F. (A'42-M'55), Chief Engr., WKY & WKY-TV, 500 E. Britton Rd., Okłahoma City 14, & WK
- LYONS, HAROLD (SM'50-F'58), Head, Atomic Physics Dept., Research Labs., Hughes Aircraft Co., Culver City, Calif.
- City, Calif.
 LYONS, JAMES F., JR. (S'52-A'55-M'57), Engr.,
 Airborne Instrument Lab., Mineola, L.I., N.Y.
 LYONS, JOHN W. (S'57-M'58), 6404 80 St., Middle
 Village 79, L.I., N.Y.
 LYONS, KEVIN C. (S'50-A'51-M'57), Engr., Canadian
 Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont.,
 Canada.
- LYONS, LAMBERT F. (A'55-SM'56), Project Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- Hollywood, Calif.

 LYONS, LEONARD J. (A'54), Consulting Engr., 3710 Crestway Dr., Los Angeles 43, Calif.

 LYONS, LESTER H. (S'48-A'50-M'55), Staff Engr., Librascope, Inc., 808 Western Ave., Glendale, Calif.

 LYONS, MATTHEW A. (M'58), Mngt. Trainee, Raytheon Mfg. Co., Bristol, Tenn.

 LYONS, ROBERT C. (A'47-M'55), Sales Mgr., Countermeasures Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- N.Y.
 LYONS, ROBERT E. (A'53-M'57), Electronics Engr., IBM, Owego, N.Y.
 LYONS, WALTER (A'30-SM'46), Mgr., Sta. Facilities Equipment & System Design, RCA Communications, Inc., 66 Broad St., New York 4, N.Y.
 LYONS, WILLIAM J., JR. (S'48-A'50-M'55), Elec. Engr., Southern New England Telephone Co., 227 Church St., New Haven 6, Conn.

- LYSAUGHT, THOMAS F. (M'59), Electronics Engr., Motorola Communications Electronics, Inc., 4501 W. Augusta Blvd., Chicago, Ill.

 LYTEL, ALLAN H. (M'56), Mgr., Proposal Coordination, Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Clincinnati 25, Ohio.
- LYTLE, ARTHUR C., JR. (S'49-A'52-SM'54), Sr. Staff Engr., Communications Div., Hughes Aircraft Co., Los Angeles Airport Site, Los Angeles 45, Callf. LYTLE, CHESTER W. (A'38-VA'39-SM'44), Pres. & Genl. Mgr., Lytle Corp., 188 W. Randolph St., Chicago 1, III.
- LYTLE, DEAN W. (M'57), Asst. Prof., Elec. Engrg., Univ. of Washington, Seattle 5, Wash. LYUTA, CEORGE R. (A'55), Engr., Manson Labs., Stamford, Conn.

- MA, LIT N. (M'56), Electronic Research Lab., Stanford Univ., Stanford, Callf, MAAS, JACK L. (S'58-A'59), Elec. & Radlo Mechanic, McDonnell Aircraft Corp., Box 516, St. Louis, Mo. MAAS, ROBERT R. (A'52-M'57), Capt., USAF, Nuclear Weapons Officer, 32nd Aviation Depot Sqdn., Lake Charles AFR. La
- AFB, La.

 MASSIK, CEDRIS (S'49-A'54), Project Engr., ITT Labs.,
 Nutley 10, N J.

 MAASS, CHARLES A. J. (A'55), Sr. Electronics Engr.,
 Research, Inc., 115 N. Buchanan, Hopkins, Minn.

- 276 -
- MAASS, CHARLES F. (A'42), Research Specialist, Lockhee Aircraft Corp., Burbank, Calif. MABERLEY, CORDON A. (A'59), Communications Tech-nician, Calgary Power, Ltd., 140 1st Ave., W., Calgary, Alta., Canada.
- Alta., Canada.

 MABRY, FORREST S. (A'41-SM'50), Consulting Engr.,
 Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
 MABRY, JAMES H. (A'47), Maj., USAF, c/c Dir. of
 Communications-Electronics, Hurs., USAF, Washington, D.C.
 MABUCHI, KENNETH K. (M'57), V. P. Smith, Winters,
 Mabuchi, Inc., 130 W. 57 St., New York 19, N.Y.
- MABUCHI, OSAMU (A'53), Asst. Dir., Engrg. Div., Mat-sushita Electric Industrial Co., Kadoma-cho, Osaka-fu,
- MACADAM, JAMES F. (M'53), 4595 Jurupa Ave., Riverside 1, Calif.
- MAC ADAM, WALTER K. (S'36-A'38-VA'39-SM'49), Transmission Engr., AT&T Co., 195 Broadway, New York
- 7, N.Y.

 MACAFEE, JOHN W. (M'56), Sr. Research & Dev. Engr.,
 Motorola, Inc., 8330 Indiana Ave., Riverside, Calif.

 MACALADY, BARRY D. (S'57-M'58), Asst. Project Engr.,
 Bendix Radio Div., Baltimore 4, Md.

 MACALKA, PETER J. (M'58), Engr., Genl. Radio
 Co., 22 Baker Ave., West Concord, Mass.

 MACALLISTER, AUGUSTUS, R. (A'41), Transmitter Engr.,
 WOR-TV, RKO Teleradio, 1440 Broadway, New York 18,
 N.Y.

- N.Y.
 MACALPINE, WILLIAM W. (A'29-M'38-SM'43), Engr.,
 ITT Labs., Nutley 10, N.J.
 MACALUSO, FRANK A. (A'57), Jr. Electronics Engr.,
 Consolidated Electrodynamics Corp., 325 N. Halstead,
 Pasadena, Calif.
- MAC ASKILL, ROBERT B. (S'48-A'50-M'55-SM'56), Staff Engr., Cook Research Staff, 6401 W. Oakton, Morton Grove, III.
- MACAULAY, MALCOLM (S'53-A'54), Pres., Data Display, Inc., 1820 Como Ave., St. Paul 8, Minn. MACCALLUM, JAMES L. (S'57-A'58), Electronics Tech-nician, Triplett Electrical Instrument Co., Harmon Rd., Blufton, Ohio.
- Billitton, Unio.

 MACCALLUM, WILLIAM F. (A'59), Sales Engr., Skydyne, Inc., River Rd., Box 1106, Port Jervis, N.Y.

 MACCOLL, JAMES B. (A'55), Service Mgr., Applied Science Corp. of Princeton, 15551 Cabrito, Van Nuys, Calif.

 MACCOND, FRANCIS J. (A'36-W-479-M'55-SM'55), Electronics Engr., Mare Island Naval Shipyard, Vallejo, Calif.
- Cair.

 MAC CRONE, CHARLES R. (A'55), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.

 MACDANOLD, ROGER M. (S'55-A'57), Mgr., Parts Distribution Center Stockroom, IBM, Simpson Ferry Rd.,
 Mechanicsburg, Pa.

- MACDERMID, BLAIR W. (S'46-A'49), Engr., Design & Dev., RCA, Moorestown, N.J.

 MACDONALD, ALDEN F. (SM'52), Mgr., Engrg. Sect. Westinghouse Elec. Corp., Metuchen, N.J.

 MACDUNALD, ALEXANDER G. (M'5/I), Elec. Engr., Racey, MacCallum & Associates, Ltd., 5890 Monkland Ave., Monteal, P.Q., Canada.
- MACDONALD, ANGUS A. (S'40-A'41-SM'52), Dir., Engrg. Chicago Military Electronics Center, Communications & Industrial Electronics Div., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, III.
 MACDONALD, BRUCE I. (S'55-M'57), Chief Engr., WMUS, Muskegon, Mich.
- MUSKegon, MICh.

 MACDONALD, CAMERON A. (S'56-M'58), Test Engr., Datamatic Corp., 151 Needham St., Newton Highlands, Mass.

 MACDONALD, CHARLES J. (A'53), Treas., Macdonald-Wadman Co., Inc., 1213 Chestnut St., Newton Upper Falls 64, Mass.
- MACDONALD, CLYDE O. (S'52-A'54-M'59), Engr., Welex, Inc., 1628 '0' 51., Houston, Tex.
 MACDONALD, DANIEL A. (A'51-M'56), Sr. Elec. Engr., Computer Control Co., Inc., 92 Broad St., Wellesley 57,
- Mass.

 MACDONALD, DENNISON H. (A'56), Genl. Operations Mgr.,
 Revere Corp. of America, Wallingford, Conn.

 MACDONALD, DONALD L. (S'43-A'46-M'55-SM'55),
 Supt., City of Edmonton Transit System, 10330 84
 Ave., Edmonton, Alta., Canada.

 MACDONALD, DWAYNE F. (S'54-M'58), Electronics Engr.,
 Convair, Pomona, Calif.

 MACDONALD, FRANCIS X. (M'58), Project Engr., RCA
 Victor Co., Ltd., 1050 La Casse St., Montreal, P.Q.,
 Canada.

 MACDONALD, ERANK D. (S'E7 ALE), ACC. Canada.

- MACDONALD, FRANK D. (S'57-A'59), Asst. Supvr., Service & Training, Photon, Inc., 58 Charles St., Cambridge, Mass.
- Cambridge, Mass.

 MACDONALD, FRANK H. (A'54-M'59), Engr., John A. Greer Co., 7118 Envoy Ct., Dallas 35, Tex.

 MACDONALD, HAROLD E. (M'54), Tech. Staff Assoc., RCA, Princeton, N.J.

 MACDONALD, J. ROSS (S'44-A'48-SM'54-F'59), Dir., Solid State Physics Research, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 MACDONALD, J.OHN A. (S'53-A'53-M'59), Advanced Dev. Engr., Electrical & Musical Industries (Aust.) Ltd., 2 Parramatta Rd., Homebush, Sydney, Australia.

 MACDONALD, J.OHN N. (M'58), Standards Engr., Genl., Precision Lab., Pleasantville, N.Y.

 MACDONALD, KENNETH J. (A'53), Staff Engr., Raytheon

- MACDONALD, KENNETH J. (A'53), Staff Engr., Raytheon Mfg. Co., Wayland, Mass.
 MACDONALD, PATRICK A (SM'46), Dir., Radlation Lab., 442 William Ave., Winnipeg, Man., Canada.
 MACDONALD, RODERICK D. (S'54-A'55), Research Engr., Minneapolis-Honeywell Regulator Co., 707 W. Grange St., Philadelphia 20, Pa.
- MACDONALD, RODERICK D. (M'56), V.P. & Genl. Mgr., Jaeger Machine Co. of Canada, Ltd., St. Thomas, Ont., Canada
- MACDONALD, W. DDUGLAS (A'44-SM'57), Chem. Engr., U.S. Plywood Corp., Lawrence Ottinger Research Center, Box 126, Brewster, N.Y.
- Box 126, Brewster, N.Y.
 MACDONALD, WALDRON S. (M'47), Pres., Comptron
 Corp., 778 Pleasant St., Belmont, Mass.
 MACDONALD, WILLIAM A. (A'19-M'26-SM'43-F'53),
 Chmn. of Bd., Hazeltine Corp., Little Neck 62, L.I., N.Y.

- MACDONALD, WILLIAM F. (S'56-M'57), Physicist, Semiconductor Div., Hoffman Electronics Corp., 930 Pitner, Evanston, III.
- MACDONALD, WILLIAM L. (\$'39-A'41-M'55), Deputy, Systems Dept., U.S. Naval Missile Center, Point Mugu, Calif.
- Call .

 MACDONALD, WILLIAM W. (SM'52), Editor, Electronics, 330 W. 42 St., New York 36, N.Y.

 MACDOUGALL, JOHN S. (S'53-M'56), Applications Engr., Semiconductor Div., Raytheon Mfg. Co., Needham Helghts, Macconductor Div., Raytheon Mfg. Co., Needham Helghts,

- Semiconductor Div., Raytheon Mfg. Co., Needham Heights, Mass.

 MACDOWELL, GORDON E. (S'49-A'51), Lab. Foreman, Research & Dev. Dept., John Oster Mfg. Co., 1 Main St., Racine, Wis.

 MACDOWELL, JAMES E. (M'55), Pres., Genl. Electronics Coro., 4200 Mobile Rd., Montgomery, Ala.

 MACDOWELL, KENNETH M. (A'48-M'55), Engr., Countermeasures Dept., Raytheon Mfg. Co., Wayland. Mass.

 MACDOWELL, RICHARD F. (M'55), Genl. Mpr., Richard F. MacDowell Co., 58 Orient Ave., Melrose 76, Mass.

 MACDOWELL, RICHARD F. (M'55), Genl. Mpr., Richard F. MacDowell Co., 58 Orient Ave., Melrose 76, Mass.

 MACE, DENNIS G.W. (SM'58), 949 Hannon Rd., Wembley, Middx., England.

 MACE, JAMES C. (A'39-SM'50), Group Leader, Systems, Firestone Engrg. Labs., Box 1431, Monterey, Calif.

 MACE, JAMES W. (S'49-A'51-M'56), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 MACEWKA, NICK (S'47-A'50-M'52), Engr., Bendix Aviation Coro., Northwestern Hwy. & 10½ Mile Rd., Southfield Township, Mich.

- MACFADDEN, WILFORD C. (A'19-VA'39-M'55)(L), Con-sulting Engr., United-Carr Fastener Corp., 31 Ames St., Cambridge, Mass.

- sulting Engr., United-Carr Fastener Corp., 31 Ames St., Cambridge, Mass.

 MACFARLAND, HOWARD T. (S'49-A'50), Assoc. Prof., Elec. Engrg., Univ. of Maine, Ornon, Me.

 MACFARLANE, JOHN S. (A'57), Engrg. Inspector, Comm. & Telecontrol, Texas Eastern Transmission Corp., Box 1612, Shreveport, La.

 MACFARLANE, JOHN T. (M'57), Assoc. Prof., Physics, University College, Box 399, Addis Ababa, Ethiopia.

 MACFARLANE, JOHN T. (M'58), Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 MACGARVEY, EDWARD R. (A'52-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MACGILL, LLOYD T., JR. (A'55), Market Mgr., Transistor Div., Minneapolis-Honeywell Regulator Co., Union, N.J.

 MACGINTE, GORDON (S'55-A'56), Engr., Granger Associates, 966 Commercial St., Palo Alto, Calif.

 MACGLASHAN, DONALD W. (S'57-M'58), Engr., Bendix Radio Div., Ballimore 4, Md.

 MACGRAY, M. DONALD (M'55), Sales Mgr., Commercial Prods. Div., Canadian Marconi Co., 20 Barnes Rd., St. John's, Nild., Canada.

 MACGREGOR, ALEXANDER R. (A'51), Radician, Federal

- MACGREGOR, ALEXANDER R. (A'51), Radician, Federal Electric Corp., Montreal Airport, Dorval, Montreal, P.Q., Canada.
- Canada .

 MACCREGOR , DOUGLAS F. (S'52-A'53) , Administrative Asst. to Mgr. , Applied Research Lab. , Sylvania Elec. Prods. , Inc. , Waltham 54 , Mass .

 MACCREGOR , HUGH D . (M'53) , Engr. , Federal Electric Corp. , Paramus , N. J.

 MACCREGOR , NEIL (A'57) , Sr. Electronics Engr. , Raytheon Mfg. Co. , Wayland , Mass .

- Mtg. Co., Wayland, Mass.

 MACGREGOR, ROB R. (S'40-A'43-M'55), Engr., AT&T
 Co., 195 Broadway, New York 7, N.Y.

 MACGREGOR, ROBERT J. (S'52-A'53), Seismic Party Chief,
 British American Oil Co., Ltd., Box 130, Calgary, Alta.,
 Canada.
- MACGREGOR, W. WALLACE (S'50-M'55), Administrative Asst. to Pres., Roland F. Beers, Inc., Box 1019, Troy, N.Y.
- N.Y.

 MACGREGOR, WALLACE R. (A'46-SM'53), Asst. Chief,
 Evaluation Div., Test Engrg., Air Force Missile Test Center,
 Patrick AFB, Fla.

 MACHAIN, LUIS R. (S'54-M'56), Sales Engr., Pintsch Electro
 G.m.b.H., Konstanz a.B., West Germany.

 MACHAIN, RUSSELL D. (S'49-A'51-M'58), Sr. Electronics
 Dev. Engr., Goodyear Aircraft, 1210 Massillon Rd., Akron,
 Ohio.
- MACHANIC, ERNEST D. (A'58), Chief Engr., Herald Tribune Radio Network, o/o WVIP, 440 Lexington Ave., Mt. Kisco, N.Y.
- MACHERY, ROBERT E. (M'59), Engr., Square "D" Co., 4041 N. Richards St., Milwaukee 12, Wis. MACHILL, JOHN (SM'56), Chief Engr., Columbia Technical Com., 61–02 31 Ave., Woodside 77, L.I., N.Y.
- Corp., 61-02 31 Ave., woodside 7, L.1., W.Y.
 MACHIN, EDWARD K. (4'57), Pres., Redding Radio Paging
 Inc., 900 Market St., Redding, Calif.
 MACHLER, RAYMOND C. (SM'52), Dir., Research & Dev.,
 Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44,
 Pa.
- MACHLIN, ARTHUR (S'48-A'51-M'56), Electronics Engr., U.S. Information Agency, Voice of America, Washington 25, D.C.

- D.C.

 MACHLIS, JEROME (S'49-A'50-M'55), Branch Engr.,
 Radioplane Div., Northrop Corp., 8000 Woodley Ave.,
 Van Nuys, Calif.

 MACHOL, GUENTHER K. (M'57), IBM, Monterey & Cottle
 Rds., San Jose, Calif.

 MACHOL, ROBERT E. (SM'58), Assoc. Prof., Elec.
 Engro., Purdue Univ., Lafayette, Ind.

 MACHOR, ROBERT E. (SM'59), Instr., Elec. Engro.,
 New York Univ., University Heights, Branx 53, N.Y.

 MACHOVER, CARL (S'47-A'51-M'56), Sales Mor.,
 Skiatron Electronics & Television Corp., 180 Varick
 St., New York, N.Y.

 MACIAG, EDMUND T. (A'54-M'56), Engr., Clevite Elec-
- MACIAC, EDMUND T. (A'54-M'56), Engr., Clevite Elec-tronic Components, 3311 Perkins Ave., Cleveland 14, Ohio. MACIAC, WALTER J. (M'58), 47 Allendale Rd., Cheek-lowaga J.S., N.Y.
- towaga 15, N.Y.

 MACILROY, ALAN P., JR. (A'56), Engrg. Lab. Supvr.,
 Electronic Associates, Inc., Long Branch, N.J.

 MACINA, NICOLA A. (A'56), System Engr., Internati. Div.,
 RCA, Clark, N.J.

 MACINNES, NELL A. (A'50-M'55), Elec. Engr., RCA

 Missile & Radar Ject., Moorestown, N.J.

 MACINTYRE, ALAN B. (S'48-A'51-M'56), Chief Engr., for
 TV, Univ. of North Carolina, Swain Hall, Chapel Hill, N. C.

 MACINTYRE, E. ROSS (A'55-M'58), Chief Engr., CHUB,
 Standard Broadcasting Co., Nanaimo, B.C., Canada.

- MACINTYRE, ROBERT M. (S'50-A'51), Project Engr., Aeronutronic Systems, Inc., 2701 Halladay, Santa Ana, Calif.
- MACISAAC, GERALD M. (A¹56), Chief Radio Technician, Canadian Pacific Airlines (Repairs), Ltd., Calgary, Alta., Canada.
- MACISZEWSKI, ARTHUR H. (A'40-SM'46), Pres. & Dir., Engrg., A.R. F. Prods., Inc., 7627 Lake St., River Forest, Ill.
- est, III.

 MACK, ALFRED (A'47-M'55), Communications Systems Engr., RCA, 75 Varick St., New York, N.Y.

 MACK, CHARLES L. (M'56), Sales TechRep., ElectroData Div., Burroughs Corp., 10 E. 40 St., New York 17, N.Y.

 MACK, CHARLES L., JR. (A'55), Mem. Tech. Staff, Mitre Corp., Lexington 73, Mass.

 MACK, DANIEL R. (S'55-M'59), 2016 Meridian Ave., South Pasadena, Calif.

 MACK, DICK A. (S'52-M'52-SM'57), Electronics Engr., Univ. of California Lawrence Radiation Lab., Berkeley 4, Calif.

- Univ. of California Lawrence Radiation Lab., Berkeley 4, Calif.

 MACK, ERIK (A'54-M'57), Electronic Engr., Nera Bergen A/S, P. B. 2382, Solheimsvik, Bergen, Norway.

 MACK, HAROLD A. (S'55-M'57), Elec. Engr., Admiral Corp., 3800 Cortland St., Chicago 47, III.

 MACK, KENT M. (M'49), Mgr., Advanced Dev. Engro., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 MACK, MAURICE C. (M'47-SM'55), Supvr., Training & Data Engro., & Service Dept., Apparatus Div., Westinghouse Elec. Corp., 700 Braddock Ave., East Pittsburgh, Pa.

 MACK, PETER H. (A'58), Electronics Technician, Univ. of Souller. California, Point Mugu, Calif.

 MACK, RICHARD B. (A'55), Physicist, Air Force Cambridge Research Center, Bedford, Mass.

 MACK, ROBERT A. (A'51-M'58), Communications Dept., Mitre Corp., Lexington 73, Mass.

 MACK, STEPHEN J. (A'48), Supvy. Equipment Specialist, Dept. of Defense, Washington 25, O. C.

 MACK, WILLIAM F. (S'57-M'59), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 MACKAY, CLAMES E. (S'57-M'58), Toll Area Engro., Special Services Div., Bell Tel. Co. of Canada, Beaver Hall Hill, Montreal, P. Q., Canada.

 MACKAY, CLARENCE R. (SM'57), Asst. Mgr., Sect., System Development Corp., 2500 Colorado, Santa Monica, Calif.

 MACKAY, FERGUS S. (A'39-SM'46), Plant Mgr., Fiberglas Canada, 11d. Roy 200 Colorado, Santa Monica, Canada, 11d. Roy 200 Colorado, Santa Moni

- Call I.

 MACKAY, FERGUS S. (A'39-SM'46), Plant Mgr., Fiberglas Canada, Ltd., Box 309, Guelph, Ont., Canada.

 MACKAY, J. GORDON (M'57), Telecommunications Officer, RCAF, Rockliffe, Ottawa, Ont., Canada.

 MACKAY, JAMES B. (A'55), Project Engr., IBM, Pough-keepsie, N. Y.
- keepsie, N. Y.

 MACKAY, R. STUART (SM'56), Assoc. Clinical Prof.,
 Experimental Radiology, Univ. of California Medical Center,
 San Francisco 22, Calif.

 MACKECHNIE, HORACE K. (A'48-M'48-SM'54), Tech.
 Advisor, Sylvania Elec. Prods., Inc., 1100 Wherle Dr.,
 Buffalo 21, N.Y.

 MACKELIJE MAN S. (SME64) Section (SME64)

- Buffalo 21, N.Y.

 MACKELVIE, JOHN S. (SM'56), Electronic Engr., Canadian GE Co., 107 Park St., Peterborough, Ont., Canada.

 MACKENZIE, ALFRED K. (A'54), Research Chem. Engr., Dennison Mfg. Co., Howard St., Framingham, Masss.

 MACKENZIE, CHARLES M. (S'52-A'53-M'57), Elec. Engr., A. T. B. Sect. 42.1, Diamond Ordnance Fuze Labs., Washington 25, D. C.

 MACKENZIE, DAVID G. (M'59), Research Engr., Varo Mfg. Co., Inc., 2201 Wallaut St., Garland, Tex.

 MACKENZIE, DUNCAN G. (J'27-A'29-M'47) Trans-Canada Air Lines, Dorval, P. Q., Canada.

 MACKENZIE, EDWARD P. (A'53), 517 Professional Bldg., Detroit 1, Mich.

 MACKENZIE, JEDNAED. E. (SM'54). Fellow Engr. Flectroice.

- MACKENZIE, JEAN E. (SM'54), Fellow Engr., Electronics Div., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
- MACKENZIE, KENNETH (A'45-M'58), Sr. Project Engr., McCurdy Radio Industries, Ltd., 22 Front St., W., Toronto 1, Ont., Canada.
- MACKENZIE, LOUIS G. (A'47), Pres., Dir. of Engrg., Mackenzie Electronics, Inc., 145 W. Hazel St., Ingle-wood 3, Calif.
- WACKENZIE, MERLIN H. (S'53-M'56), Elec. Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View,

- vania Electronic Defense Lab., Box 205, Mountain View, Calif.

 Calif.

 MACKENZIE, R. GLEN (SM'55), Specialist Engr., Electronic Instruments, Pan American World Airways, Internati. Airport, San Francisco, Calif.

 MACKENZIE, ROBERT P. (A '54-M'59), Project Mgr., Polytechnic Research & Development Co., Inc., 200
 Tillary St., Brooklyn 1, N. Y.

 MACKENZIE, WALTER G. (A '53), Jr. Test Operator, Vicker's, Inc., Detroit 32, Mich.

 MACKERNAN, JAMES L. (S'55-M'59), Assoc. Engr., Sperry Gyroscope Co., Carle Place, L. I., N. Y.

 MACKEROW, DONALD E. (M'58), Project Engr.,
 Huggins Labs., Inc., 999 E. Arques, Sunnywale, Calif.

 MACKES, DAVID V. (A '51-M'56), Engr., Westinghouse
 Elec. Corp., Ft. Meade Rd., Baltimore, Md.

 MACKET, LAURENCE J. (S'53-M'55), Navigator, RCAF,
 RCAF Sta., Downsview, Ont., Canada.

 MACKEY, ARTHUR J., JR. (S'56-M'57), Research Engr.,
 Natl. Aeronautics & Space Agency, 2555 Overlook Ave.,
 Washington, D.C.

 MACKEY, CHARLES L. (A '44-M'55), Supvy. Electronics washington, D.C.

 MACKEY, CHARLES L. (A'44-M'55), Supvy. Electronics
 Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 MACKEY, DONALD G. (S'52-A'53), Application Engr.,
 Sylvania Elec. Prods., Inc., Seneca Falls, N.Y.

 MACKEY, EDWARD F. (M'56), Elec. Engr., GE Co., Pittsfield, Mass.

- field, Mass.

 MACKEY, EDWARD F. (M'56), Ordnance Projects Engr., GE Co., 2198 Chestnut St., Philadelphia 4, Pa.

 MACKEY, JAMES E. (A'56), Sr. Engr., Martin Co., Middle River, Baltimore 22, Md.

 MACKEY, JOE F. (S'56-M'59), Elec. Engr., Westinghouse Elec. Com., Baltimore, Md.

 MACKEY, JOHN R. (M'55), Project Engr., Bendix Radio, Baltimore 4, Md.

 MACKEY, RICHARD C. (S'50-A'53-M'57), Asst. Prof., Univ. of California, 405 Hilgard Ave., Los Angeles 24, Calif.

 MACKEY WILLIAM M. (A'55)
- MACKEY, WILLIAM M. (A'59), Asst. Supvr., Telemetering Ground Sta., Martin Co., Baltimore 13, Md.

MACKIE, ALEXANDER S. (A'47-M'56), Mgr., Industrial Electronics of Canada Div., C.C. Meredith & Co., Ltd., 80 Thomas St., Streetsville, Ont., Canada. MACKIE, SARAH P. (A'58), Instr., Drafting, English & Math-ematics, Central Tech. Institute, 1644 Wyandotte, Kansas City 8, Mo.

- 277 -

- MACKIE, WILLIAM L. (S'57-M'59), Field Service Engr., Remington Rand Univac, 2601 Wilshire Blvd., Los Angeles,
- MACKIEWICZ, THOMAS J. (A'59), Engr., WIIC, Inc., 341 Rising Main Ave., Pittsburgh, Pa.
 MACKIMMIE, G. BRUCE (S'42-A'45-M'55), Engr., RCA
 Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q.,
 Canada.
- Canada .

 MACKIN , ROBERT N. (S'55-M'56), Engr., Circult Design Group, Raytheon Mfg. Co., Waltham 54, Mass.

 MACKIN , ROMALD J. (S'51-A'52-M'57), Sr. Electronic: Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

- Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

 MACKINNDN, ALLEN J. (A'54), Folker Apts. 6, Walnut & Poplar, Oxford, Ohio.

 MACKINNON, KEITH A. (SM'46-F'49), Consulting Radio Engr., Box 542, Ottawa, Ont., Canada.

 MACKINTOSH, IAN M. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 MACKLIN, FREDERICK R. (M'58), Asst. Genl. Mgr., Communications Co., Coral Gables, Fia.

 MACKLIN, THEODORE G. (S'43-A'46-M'55), Sloan Fellow, Hughes Aircraft Co., Culver City, Calif.

 MACKOWAN, JACK K. (M'55), Physicist, National Co., Inc., 34 Essex St., Melrose 76, Mass.

 MAC LACHLAN DUNCAN T. (M'58), Engr., Operations Research, Myers Electric Commission of Ontario, 620 University Ave., Toronto, Ont., Canada.

 MACLACHLAN, VICTOR D. (M'45), Dir., Genl., Mgr., Honeywell Controls, Ltd., Rulslip Road E., Greenford, Middx., England.

 MACLAUGHLIN, DONALD C. (A'57), Electronics & Floan MacLAUGHLIN, DONALD C.
- Lingiand ...

 MCLAUGHLIN , DONALD C . (A¹57) , Electronic , Mildle , Badger Paper Mills , Inc. , Peshtigo , Wis ...

 MACLEAN , DOUGLAS , J. H. (S¹56-M¹57) , Electronics Engr. , Barr & Stroud , Ltd. , Anniesland , Glasgow , W. 3. , Scotland ...
- Scotland.

 MACLEAN, KENNETH G. (A'30-SM'44), Sr. Engr., RCA Astro Electronic Prods. Div., Princeton. N.J.

 MACLEAN, NORMAN W. (M'46), Plant Supt., Illinois Bell Tel. Co., 212 W. Washington St., Chicago 6, Ill.

 MACLEAN T. WENDELL (A'37-M'55), Communications Supvr., Washington Water Power Co., E. 1411 Mission Ave., Spokane, Wash.

 MACLEAN, W. DAVID (S'48-A'50-M'55), Asst. to Sales Mgr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MACLEAN, WILLIAM (A'42-M'55-SM'58), Prof., Polytechnic institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.

- MACLENNAN, NORMAN D. (M'57), Industrial Engr., Imperial Tobacco Co. of Canada, 3810 St. Antoine St., Montreal, P.Q., Canada.
- MODITION P. U., LANAGOA.

 MACLEOD, ALLAN D. (M'51), Pres., MacLeod & Hanopol, Inc., 10 Roland St., Charlestown 29, Mass.

 MACLEOD, DONALD A. (A'44-M'56), Installation Supvr., Western Electric Co., Box 247, San Leandro, Calif.

 MACLEOD, DONALD S. (S'53-A'55), Assoc. Engr., IBM, Endicott, N.Y.
- MACLEOD, RICHARD A. (S'51-A'54), Field Engr., Canadian GE Co., Ltd., 830 Lansdowne Ave., Toronto 4, Ont., Canada.
- MACLEOD, WILLIAM R. (M'47), Exec. V.P., Treas. & Geni. Mgr., King Labs., Inc., 127 Solar St., Syracuse 3, N.Y.
- MACLULICH, DUNCAN A. (SM'58), Head, Instrument Dev. Br., RCAF, Dept. Natl. Defence Hqrs., Ottawa, Ont., Canada.
- MACMHLAN, ALVIN E. (SM'55), Consulting Engr., 210
 Pacific Ave., Pledmont 11, Calif.
 MACMASTER, GEORGE H. (S'53-A'55), Elec. Engr.,
 Raytheon Mfg. Co., Foundry Ave., Waltham 54, Mass.
 MACMILLAN, RICHARD R. (S'48-A'51-M'56), Electronics
 Engr., Technical Operations, Inc., South Ave., Burlington,
 Mass.
- Mass:

 MACMILLAN, ROBERT C. (M'58), Tech. Specialist, Chrysler Missile Div., Box 857, Huntsville, Ala.

 MACMILLAN, ROBERT S. (S'48-4'54-M'59), Assoc. Prof., Elec. Engrg., Univ. of Southern California, University Park, Los Angeles 7, Calif.

 MACMILLAN, THOMAS S. (S'47-A'49-M'55), Project Engr., Motorola, Inc., Phoenix Research Lab., 3501 N. 56 St., Phoenix, Ariz.
- 56 St., Phoenix, Ardz.

 MACMULLEN, ALEXANDER, JR. (S'50-A'52-M'56), Sr. Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 MACMULLEN, JOHN H. (S'57-M'59), R.D. 2, Hopewell Junction, N.Y.

 MACNABB, VERNON C. (A'25-M'55), Mfr's. Agent, Vernon C. Macnabb Co., 820 E. 64 St., Indianapolis 20, Ind. MACNAIR, EVAN A. (S'46-A'50), Telecommunications Officer, RCAF, Air Force Hgrs., Ottawa, Ont., Canada. MACNAMARA, MICHAEL R. H. (A'54), Sr. Tech. Asst., South African Bureau of Standards, Private Bag 191, Pretoria, South Africa.

 MACNEE, ALAN B. (S'42-A'45-M'52-SM'55), Prof., Elec. Engrg., Univ. of Michigan, 2510 E. Engineering, Ann Arbor, Mich.

- Ann Arbor, Mich.

 MACNEE, DOUGLAS H. (A'45-SM'51), Chief Valve Inspector, Standard Telephones & Cables, Ltd., Brixham Rd., Paignton, Devon, England.

 MACNEIL, GERARD E. (A'59), Sr. Technician, Pickard & Burns, Inc., 240 Highland Ave., Needham 94, Mass.

 MACNEIL, RICHARD K. (A'56), Patent Examiner, U. S. Patent Office, Commerce Bidg., Washington 25, D.C.

 MACNICHOL, EDWARD F., JR. (A'46-M'55), Ast. Prof., Blophysics, The John Hopkins Univ., Baltimore 1B, Md.

 MACOMBER, GEORGE R. (A'55), Sr. Systems Engr., Minneapolis-Honeywell Regulator Co., 13350 U. S. Hwy. 19, St. Petersburg, Fla.

 MACOWSKI, ALBERT (SM'56), Engr., RCA Labs., Prince

- 14 , St. Petersburg, Fla. MACOVSKI, ALBERT (SM'56), Engr., RCA Labs., Prince ton, N.J.; Asst. Prof., Polytechnic Institute of Brooklyn, 99 Livingston St., Brooklyn, N.Y. MACPHERSON, CULLEN H. (A'53-M'56), Biophysicist, Tektronix, Inc., Box 831, Portland, Ore. MACPHERSON, DONALD H. (SM'57), Supvr., Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

- MACPHERSON, MARK F. (\$'54-M'56), Engr., Canadian Broadcasting Corp., 5253 Decarle St., Montreal, P.Q., Canada.

- MACQUARRIE, ROY C. (S'57-A'58), Customer Engr., IBM, Toronto, Ont., Canada.

 MACQUEENE, PAUL H. (SM'57), Leader, Design & Dev. Engrg., RCA, Moorestown, N.J.

 MACQUIVEY, DONALD R. (S'39-A'42-M'45), Foreign Affairs Officer, Telecommunications Div., U. S. Dept. of State, Washington, D.C.

 MACRAKIS, MICHAEL S. (S'53-A'54), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 MACSORLEY, OLIN L. (SM'54), Dev. Engr., IBM, Poughkeesle, N.Y.

 MACUMER, MARRICE G. (S'49-A'50), Asst. to Communications Maint. Engr., Hydro-Electric Power Commission of Ontario, 620 University Ave., Toronto, Ont., Canada.

 MACUNE, CHARLES W. (A'54-A'56), Genl. Mgr., Westronics, Inc., 3605 McCart, Ft. Worth, Tex.

 MACVETY, ROBERT C., JR. (S'48-A'56)-M'56), Sr. Field Engr., RMC Associates, 391 Grand Ave., Englewood, N.J.

 MACWILLIAMS, ARTHUR R. (A'58). 135 Section of Marchitant Common C

- wood, N.J.

 MACWILLIAMS, ARTHUR R. (A'5B), 135 Spring Garden Rd., Hailfax, N.S., Canada.

 MACWILLIAMS, JOHN E. (S'55-M'57), Instrumentation Engr., Westinghouse Elec. Corp., Lester, Pa.

 MACWILLIAMS, WALTER H., JR. (SM'48), Military Systems Engr., Bell Tel. Labs., Whippany, N.J.

 MADAN, MAHENDRA P. (SM'57), Asst. Prof., Physics, Univ. of Lucknow, Lucknow, India.

 MADAN, DOBERT W. (A'55), Pres., Madan Plastics, Inc., 370 North Aye. Cranford, N.J.

 MADAN, IGAB. IIJAM E. (A'57), Chief. Video Div., Tech.

- MADARIAGA, JUAN F. (A'57), Chief, Video Div., Tech. Dept., Circuito CMQ S.A., MY 23 Radiocentro, Habana, Cuba.
- MADDEN, JAMES R. (S'55-M'57), Head, Test & Evaluation Dept., Systems Development Corp., 7500 Xenia Pike, Dayton 32, Ohio.
- Dayton 32, Ohio.

 MADDEN, KENNETH W. (S'56-M'58), Electronics Engr., Aladdin Electronics, Murfreesboro Rd., Nashville, Tenn.

 MADDISON, FRANK E. (M'57), Resident Physician, Radiology, Univ. of California Medical Center, 3rd Ave. at Parnassus, San Francisco 22, Calif.

 MADDOX, C. H. (A'37-VA'39-SM'57), Engr., KSLA-TV, Washington Youree Hotel, Shreveport, La.

 MADDOX, CHARLES H. (M'31-SM'43XLJ), Cabt., USN, Retired, 2446 Belmont Rd., Washington 8, D.C.

 MADDOX, HERBERT D. (SM'57), Mem. Tech. Staff, Supvr., Engrg., Bell Tel., Labs., Lexington Rd. Winston-Salem, N.C.

- MADDOX, JAMES A. (A'54-M'57), Design & Dev. Engr., Engrg. Prod. Div., RCA, Camden, N.J. MADDOX, JAMES L. (A'52-M'57), Engr., Philodochy, Philadelphia, Pa.
- MADDOX, RALPH G. (M¹53), Project Mgr., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.
- D.C.
 MADDOX, RICHARD D. (M'51), Chief Research & Dev.
 Engr., Electronic Wire & Cable Dept., Belden Mfg.Co.,
 Box 341, Richmond, Ind.
 MADELEY, PAUL E. (A'50-M'55), Exec. V. P., Electrodynamic Instrument Corp., 2508 Tangley Rd., Houston
- MADER, GEORGE E. (M'57), Research Engr., Syracuse University Research Corp., Box 26, University Sta., Syracuse, N.Y.
- Syracuse, N.Y.

 MADER, LYLE W. (A'54), Engrg. Sect. Head, Rixon
 Electronics, Inc., 2414 Reedie Dr., Silver Spring, Md.

 MADESON, AUSTEN H. (A'55), Sales Mgr., Crystal Filter
 Div., Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.
- MADEY, RICHARD (A'44-M'55), Scientist, Republic Avia-tion Corp., Farmingdale, L.I., N.Y. MADGETT, WILLIAM H. (A'45), 4308 Leslie, Detroit 38, Mich.

- 38, Mich.
 MADIGAN, JACK P. (A'54), Technician, Airbome Instrument Lab., Mineola, L.I., N.Y.
 MADIGAN, WILLARD J. (M'57), Pres., Madigan Corp.,
 200 Stonehinge Lane, Carle Place, L.I., N.Y.
 MADILL, CLIFFORD L. (M'53), Asst. Mgr., Elec.
 Engrg. Shops, Dept. of Natl. Defence (Naval Service), H.M.C. Dockyard, Esquimalt, B.C., Canada.
- icer, H.M.C., Dockyard, Esquimait, B.C., Canada.
 MADLAND, GLEN R. (S'50-A'51-M'56), Head, Applications
 Dept., Motorola, Inc., 5005 E. McDowell, Phoenix, Ariz.
 MADLE, EDWARD J. (S'55-M'56), DDL Staff Mem. MIT,
 Lincoln Lab., Lexington 73, Mass
 MADLE, PETER J. (SM'57), Group Leader, Avco Research
 & Advanced Development Div., 20 S. Union St.,
 Lawrence, Mass
- Lawrence, Mass.
- Lawrence, Mass.
 MADLENER, MATHIAS J., JR. (S'52-A'55), Staff Assoc.,
 Sandia Corp., Sandia Base, Albuquerque, N.M.
 MADDLE, JAMES F. (M'51-SM'57), Mgr. Engrq. Administration, Receiving Tubes, GE Co., 316 E. 9 St.,
 Owensboro, Ky.
- MADRICK, STEPHEN A. (A'50), Studio Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.
 MADRID, DON CARLOS (S'55-M'56), Engrg. Designer 'A', Boeing Pilotless Altcraft Div., Melbourne, Fla.
 MADSEN, CARL A. (A'57), Electronic Inspector, Navy, Pomona, Calif.

- MADSEN, CARL J. (A'28-SM'45), Mgr., Equipment Dev.,
 Atomic Power Div., Westinghouse Elec. Corp., Box 1526,
 Pittsburgh 30, Pa.

 MADSEN, EVAN C. (S'43-A'46-M'50), Sr. Electronics
 Engr., Convair-Astronautics, San Diego, Calif.
 MADSEN, JAMES F. (M'55), Sr. Field Engr., Bendix
 Radio, Baltimore 4, Md.

- Radio, Baltimore 4, Md.

 MADSEN, R. GLEN (A'42-M'45), Research Group Engr., Convair-Astronautics, Box 112B, San Diego, Calif.

 MADSEN, RAYMOND L. (S'48-A'53-M'58), Mem. Tech. Staff, Sell Tel. Labs, Murray Hill, N.J.

 MADSON, GLEN A. (M'52), TechRep., Fleld Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 MAEDEL, GEORGE F. (M'43-SM'43), Pres., RCA Institute, Inc., 350 W. 4 St., New York 14, N.Y.

 MAER, CLAUDE M. (A'58), Partner, Holland & Hart, 520 Equitable Bidg., Denver, Colo.

 MAERT, WARBURTON A. (A'49-M'55), Electronics Engr., Pearl Harbor, Navai Shipyard, Pearl Harbor, Hawaii.

- MAES, REED E., JR. (S'53-M'56), Research Assoc., Univ. of Michigan, Willow Run Labs., Ypsilanti, Mich.
- MAES, WILLIAM J. (S'51-A'52-M'56), Sr. Aerophysics Engr., Convair, Ft. Worth, Tex. MAESHNER, EDWARD A. (A'43-M'55), Electronics E 'or., Mare Island Naval Shipyard, Vallejo, Calif. MAESTAS, JOE F. (M'57), Telemetering, Civil Service, White Sands Missile Range, N. M.
- write Sands Missile Range, N.M.
 MAFFEI, EUGENE V. (A'53), Engr., Teleprompter Corp.,
 311 W. 43 St., New York 36, N.Y.
 MAFFENBEIER, JACK B. (M'57), Physicist, Operations
 Research Office, 6935 Arlington Rd., Bethesda, Md.
 MAG, ANTHONY (A'23-VA'39), Engr., Duquesne Light
 Co., 435 6 Ave., Pittsburnin, Pa.
- Co., 435 6 Ave., Pittsburnft, Pa.
 MAGAGNOS, WILLIAM F. (M'56), Chief Engr., Precise
 Devices Co., 8 Central Ave., Glen Cove, L.I., N.Y.
 MAGARIAN, JACOB D. (S'56-M'59), Research Engr.,
 Ames Research Center, Moffett Field, Calif.
 MAGASINY, IRVING P. (S'49-A'49-M'55-SM'58), Tech.
 Coordinator, New Prods. Dept., Tele-Dynamics, Inc.,
 5000 Parkside Ave., Philadelphia 31, Pa.
- MAGDEBURGER, PAUL E. (A'50-M'57), Sr. Assoc. Field Engr., Western Div., Collins Radio Co., 261 Madison Ave., New York, N.Y.
- MAGEE, ALLAN I. (A'58), Supt., Ottawa Services Sect., Deot. of Agriculture, Ottawa, Ont., Canada.

 MAGEE, CHARLES H. (A'55), Engrg. Supvr., KDKA-TV, 1 Gateway, Pittsburgh, Pa.

 MAGEE, THOMAS H. (S'49-A'52-M'57), Project Engr., USAF, Hyrs., Wright & ir Oevelopment Center, Wright-Patterson AFB, Ohio.

- Patterson AFB, Ohio.

 MAGEE, THOMAS T. (A'49), Tech. Facilities Consultant, 175 S.E. 15 Rd., Minam., Fla.

 MAGEL, AARON (S'50-A'51-M'56), Systems Engr., RCA Service Co., Camden B, N.J.

 MAGENIEIM, BERTRAM (S'48-A'50-M'56), Sr. Engr., RCA, 75 Varick St., New York, N.Y.

 MAGEOCH, NELSON H. (M'53), Asst. Genl. Mgr., Eclipse Machine Div., Bendix Aviation Corp., 17 & Oakwood Sts., Elmira, N.Y.

 MAGER, ROBERT F. (M'55), Research Scientist, Human Research Unit, Ft. Birss, El Paso, Tex.

 MAGES, LOREN J. (A'51-M'56), Owner, Marine Radio Equipment Co., 223 W. Chicago Ave., Chicago 10, Ill.

 MAGESTRO, JAMES C. (A'49-M'54), Project Engr., Bendix Aviation Corp., 1400 Taylor Ave., Baltimore 4, Md.
- MAGET, RENE (A'46-M'55-SM'56), Genl. Mgr., Industries Electricas y Musicales Odeon, S.R.L., Corrientes 485 Piso 8, Buenos Aires, Argentina.

- 485 Piso 8, Buenos Aires, Argentina.

 MAGGI, JOSEPH A. (S'56-M'57), Electronics Engr.,
 Lewyt Mfg. Corp., 43-22 Queens St., Long Island City
 1, N.Y.

 MAGGIO, THOMAS (S'49-A'50-M'55), Electronics
 Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 MAGID, ABRAHAM (M'51), Radio Engr., Mackay Radio
 & Telegraph Co., Inc., 67 Broad St., New York 4, N.Y.

 MAGID, MILTON (S'48-A'49-M'55-SM'57), Supvr.,
 Microwave Sect., Primary Standards Lab., Hughes Aircraft Co., Culver City, Calif.

 MAGILL, D. THOMAS (S'56-M'5B), Research Asst.,
 Electronic Labs., Radio Propagation Lab., Stanford
 Univ., Stanford, Calif.

 MAGILL, J. LAMES J. (M'56), 32 N. Main St., Dayton 2.
- MAGILL, JAMES J. (M'56), 32 N. Main St., Dayton 2,

- MAGINNIS, WILLIAM P. (SM'45), Pes., Electronics Solidion, WAGIN, JOHN J., (A'47-M'55), Deputy Chief, Electronics Engrg. Branch, FAA, Jamaica, L.I., N.Y.
 MAGINN, LEONARO E. (S'55-M'56), Design Engr., GE Co., 316 E 9 St., Owensboro, Ky.
 MAGINNIS, WILLIAM J. (S'56-M'59), Engr., ITT Labs., Nutley 10, N.J.
 MAGINNIS, WILLIAM P. (SM'45), Pres., Kuthe Labs., Inc., 730 S. 13 St., Newark, N.J.
 MAGINNISS, FRANK J. (A'49-M'55), Mgr., Special Studies & Digital Analysis, GE Co., Schenectady, N.Y.
 MAGINOT, JOHN J., JR. (S'57-M'58), Control Engr., Westinghouse Elec. Corp., 3900 W. 41 St., Chicago 32, III.
 MAGLATHLIN, ROBERT N. (S'45-A'48-M'55-SM'58), Pres., Electronics Systems, Inc., 105 Chauncy St., Pres., Electronics Systems, Inc., 105 Chauncy St., MAGLE, ROY (S'57-A'58), Service Engr., 420 Church St.
- MAGLE, ROY (S'57-A'58), Service Engr., 420 Church St., Logan, Ohio.
- MAGLIO, MURRILL W. (\$'57-M'59), 12210 Sunnyvale
- MAGLIU, MURRILL W. (5:7-M:59), 12210 Sunnyva & Saratopa Rd., Sunnyvale, Calif. MAGNANI, BORIO J. (5'57-A'58), Jr. Engr., Douglas Instrument Labs., Boston, Mass. MAGNENAT, RALPH A. (5'55-M'58), Assoc. Engr., Convair, Pomona, Calif. MAGNIN, JEAN P. (5'55-M'55), Sect. Head, Electro-Mechanical Research, Box 3041, Sarasota, Fla.

- MAGNINO, JOSEPH J., JR. (4'56-M'59), Tech. Engr., IBM, Poughkeepsie, N.Y.

 MAGNO, HECTOR T. (4'42-SM'51), Systems Engr., RCA, Internati. Div., Terminal & Central Aves., Clark, N.J.
- MAGNUSKI, HENRY (A'40-SM'46), Staff Scientist to the Exec. V.P., Motorola, Inc, 4545 W. Augusta Blvd., Chicago 51, III.
- MAGNUSON, HAROLD R. (S'56-M'57), Assoc. Engr., Convair, Pamona, Calif. MAGNUSON, ROY J. (M'51), Owner, Magnuson Associates, 3347 W. Irving Park Rd., Chicago 18, III. MAGNUSON, ROY W. (S'49-A'50-M'55), Sr. Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
- MAGNUSON, VERNON P. (A'52-M'57), Supvy. Engr., Bendix Computer Div., 5630 Arbor Vitae St., Los Angeles 45, Calif. MAGNUSON, BERGT G. (M'56), System Engr., Sua, Sect. 5, Kungliga Telestyrelsen, Box 16065, Stockholm, Sweden.
- MAGNUSSON, PHILIP C. (M'46-SM'59), Assoc. Prof., Elec. Engra., Oregon State College, Corvallis, Ore. MAGRANE, JOSEPH H. (S'56-M'57), Capt., USAF, Hgrs., Air Proving Ground Center, ARDC, Eglin AFB, Fla.
- MAGRISH, COLEMAN J. (M'57), Electronics Engr., Crosley Broadcasting Corp., 140 W. 9 St., Cincinnati 2, Ohio.

- MAGUIRE, HUGH T. (A'54), Assoc. Dev. Engr., Burroughs Corp., Paoli, Pa.
- Com., Paoli, Pa.
 MAGUIRE, JAMES A. (A'51), Owner, J.A. Maguire & Co.,
 116 N 7 St., Camden 2, N.J.
 MAGUIRE, JAMES P. (A'53-M'54-SM'55), Asst.
 Dept. Head, Computer Dev., American Bosch-Arma
 Corp., Garden City, L.I., N.Y.
- MAGUIRE, JAMES T. (S'55-M'57), Application Engr., RCA, Harrison, N.J.
 MAGUIRE, JOHN N. (S'58-M'59), 58 Dorothy Rd., Arlington 74, Mass.

- MAGUIRE, JOHN N. (S'58-M'59), 58 Dorothy Rd., Arlington 74, Mass.

 MAGUIRE, JOHN N. (S'58-M'56), Electronics Engr., Hudles Aircraft Co., Culver City, Calif.

 MAGUIRE, JOHN P. (S'55-M'56), Electronics Engr., Hudles Aircraft Co., Culver City, Calif.

 MAGUIRE, LEONARD R. (A'49-M'52-SM'58), Design Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 MAGUIRE, MICHAEL F. (M'58), Functional Engr., GE Co., Pittsfield, Mass.

 MAGUIRE, ROY T. (M'57), Studio Engr., CKRC, 300 Carton St., Winnipes, Man., Canada.

 MAGUIRE, WAL TER W. (S'47-A'50-M'53), Mgr., System Dept., Hughes Aircraft Co., Culver City, Calif.

 MAGUIRE, WILLIAM M. (A'50-SM'57), Merchandise Mgr., Sylvania Elec. Prods.. Inc. Woburn, Mass.

 MAGYARICS, ROBERT F. (S'52-A'54), Airborn: Fire Control Engr., RCA. Camden 2. N. J.

 MAH, HONG WEE (M'57), Tech. Officer, 1/c Environmental Test Lab., Army Development Est., Dept. of Natl. Defence, Montreal Rd. Ottawa, Ont. Canada.

 MAH, LEE (S'54-M'55), Programmer, Univac, 1624 Locust St., Philadelphia 3. Pa.

 MAHAFFEY, GEORGE N. (A'34-VA'39-M'55), Sect. Chief, Radiac Equipment, Code B54, USN, Bureau of Ships, Main Navy. 18 St. & Constitution Ave., Washington, D. C.

 MAHAFFEY, RCA, Air Force Missile Test Center, Fla.

 MAHAN, OSCAR C. (M'54), Chief, Air Defense Systems Branch, Directorate Maint., MOAMA, Brookley AFB, Mobile, Ala.

 MAHANY, THOMAS F. (S'58-M'58), Assoc. Engr., IRM, Ponghkeepsie, N.Y.

 MAHAR, CHARLES E. (S'58-M'59), Assoc. Engr., Martin Co., Middle River, Md.

- Polighkeepsie, N.Y.
 MAHER, CHARLES E. (5'58-M'59), Assoc. Engr., Martin
 Co., Middle River, Md.
 MAHER, EDWARD F. (A'57), 40 Roosevelt Blvd., Islip,
 L I, N.Y.
 MAHER, EDWARD J. (M'58), Elec. Engr., Crosley Div.,
 Avco Mfg. Corp., 1329 Arlington St., Cincinnati 5,
 Oliio.
- Unio.

 MAHER, PETER D., III (S'55-M'56), Lt., USNR, Instr.,
 Electronics, U.S. Naval Academy, Annapolis, Md.

 MAHER, RICHARD A. (M'47-SM'54), V.P., Engrg., Labs.
 Div., Hoffman Electronics Corp., 3740 S. Grand Ave., Lo:
 Angeles 7, Calif.
- MAHER, RICHARD C. (A'59), Sr. Lab. Technician, S Technology Lab., 5500 W. El Segundo, Los Angeles 43, Calif.
- 43, Calif.
 MAHER, THOMAS F. (SM'5B), Sr. Project Engr., Fairchild Astrionics Div., Wyandanch, L.I., N.Y.
 MAHER, THOMAS P. (S'4B-M'52), Special Rep., IBM,
 590 Madison Ave. New York, N.,
 MAHER, WILLIAM F. (A'5B), Mgr., Military & Industrial
 Sales, Lansdale Tube Co. Church Rd. Lansdale, Pa.
 MAHLAND EDWARD W. (A'45-M'51), Electronics Engr.,
 RCA, Camden 2. N. J.
- MARLAND EDWARD W. (A'45-M'51), Electronics Engr., RCA, Camden 2, N J.
 MAHLER, LEONARD J. (S'52-A'54-M'59), Sr. Design & Dev. Engr., Hazeltine Electronics Corp., 59-25 Little Neck Pkwy., Little Neck 62, L 1., N.Y.
 MAHLER, RICHARD J. (A'32-M'58), Genl. Merchandising Mgr., Sonotone Corp., Saw Mill RiverRd., Elmsford, L.I., N.Y.
- MAHLMEISTER, THOMAS G. (S'54-M'57), Sr. Design Elec. Engr., Natl. Cash Register Co., S. Main St., Dayton 9, Ohio.
- MAHMOUD, ABDALLAH ALI (M'49), Asst. Prof., Faculty of Enorg., Cairo Univ., Giza, Cairo, Egypt. MAHMOUD, HAMMAM M. (A'37-M'55), Prof., Radio & Electronics Engrg., Cairo Univ., Giza, Cairo, Egypt.

- MAHMOUD, HAMMAM M. (A'37-M'55), Prof., Radio & Electronics Engra. Cairo Univ., Giza, Cairo, Egypt.

 MAHMOUD, MOHAMED ALY (A'56), Co-ordinating Engr., Dept. of Elec., Box 12, Kuwalt, Arabia.

 MAHMUD, MAZHAR (M'54), X-Ray Diffractionist, Occupational Health Div., Dept. of Natl. Health & Welfare, 45
 Spencer St., Ottawa, Ont., Canadal.

 MAHNKEN, WALTER J. (S'52-A'53-M'58), Project Engr., Edo Corp., 13-10 111 St., College Point, L.I., N.Y.

 MAHONEY, DONALD F. (M'55), Electronics Field Engr., Bendix Radio, Towson 4, Md.

 MAHONEY, EDWARD H. (A'51-M'57), Research Engr., Seismograph Service Corp., Box 1590. Tulsa, Okla.

 MAHONEY, JAMES J. (S'57-A'57), Engra. Aide, Hazeltine Electronics Corp., Little Neck, L.I., N.Y.

 MAHONEY, JOHN A. (S'56-M'58), 4604 Coolbrook Ave., Montreal 29, P. Q., Canada.

 MAHONEY, TIMOTHY J., JR. (A'54), Asst., Foreman, Electronic Tube Div., Spery Rand Corp., Gerat Neck, L.I., N.Y.

 MAHONEY, THMOTHY J., JR. (A'54), Asst., Foreman, Electronic Tube Div., Spery Rand Corp., Great Neck, L.I., N.Y.

 MAHONEY, TIMOTHY J., JR. (A'54), Asst., Foreman, Electronic Tube Div., Spery Rand Corp., Great Neck, L.I., N.Y.

 MAHONEY, TIMOTHY J., JR. (A'54), Asst., Foreman, Electronic Tube Div., Spery Rand Corp., Great Neck, L.I., N.Y.

 MAHONEY, TIMOTHY J., JR. (A'54), Asst., Foreman, Electronic Tube Div., Spery Rand Corp., Great Neck, L.I., N.Y.

 MAHONEY, TIMOTHY J., JR. (A'54), Asst., Foreman, Electronic Tube, Div., Spery Corp., Spery New York, N. Y.

 MS Calination of the Corp. Spery New York, N. Y.

 MS Calination of the Corp. Spery New York, N. Y.

 MS Calination of the Corp. Spery New York, N. Y.

 MS Calination of the Corp. Spery New York, N. Y.

 MS Calination of the Corp. Spery New York, N. Y.

 MS Calination of the Corp. Spery New York, N. Y.
- L.I., N.Y.

 MAHONEY, TIMOTHYR. (S'57-M'59), Naval Officer, USN, USS Gainard, (DD 706), FPD, New York, N.Y.

 MAHONY, JOHN P. (S'52-M'55), Transmission Design Engr., AT&T Co., 32 Ave. of the Americas, New York 13, N.Y.

- 13, N.Y.

 MAHODO, WILLIAM L. (S'57-M'59), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 MAHR, MICHAEL, JR. (M'57), Mem. Tech. Staff, Bell
 Tel Labs, Murray Hill, N.J.

 MAHROUS, HAROUN (M'55-SM'58), Chrm., Elec. Engrg.
 Dept., Pratt institute, Brooklyn 5, N.Y.

 MAHURIN, CARL R. (4'52-M'53-SM'56), Service Mgr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 MAIA, GERALDO N.S. (S'55-M'57), Engr., Shipboard Equipment & Installation, Diretoria de Eletronica, Elec. Bureau of Brazil Navy, Ministerio da Marinha, Rio de Janeiro, Brazil.

 MAICF. LEF. IR (S'56-M'591), Auics (D'Natre, Memphis
- MAICE, LEE, JR. (S'56-M'59), Avics 'O' Natte, Memphis, 56, Tenn.
 MAIDAK, ALFRED M. (A'53-M'58), Engr., Hammond Organ Co., 2915 N. Western Ave., Chicaoo, III.

- MAIDEN, ROBERT M. (S'41-A'44-SM'49), Electronic Scientist. Naval Research Lab., Washington 25, D.C. MAIER, GOTTFRIED H. (S'57-A'58), A/3C, USAF, c/o FAASCH, Rt. 376, RFD 3, Wappingers Falls, N.Y. MAIER, LEONARD C., JR. (M'52), V.P., Mktg., Defense Prods., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 MAIFR, ROBERT H. (S'46-A'50-M'55-SM'56), Principal Engr., Systems Engr. Debt., Kellogg Switchboard & Supply Co., 5959 S. Harlem Ave., Chicago 38, III.

 MAILHOT, PAUL J. (A'23-M'55), Electronics Engr., 17EK, Corp., 223 Crescent St., Waltham, Mass

 MAILLET, ARMAND J. (S'53-A'53), Field Engr., Federal Electric Corp. Rte 17, Box 347, Lodi, N.J.

 MAIN, JOBERT C. (SM'54), Engrg. Mgr., Missiles & Space Systems Div., United Aircraft Corp., 400 Main St., East Harlord, Conn.

- MAIN, WILLIAM F., JR. (A'44-M'55), Mgr., Electronics Research, Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif.
- MAINBERGER, WALTER A. (S'43-A'45-M'51-SM'58), Mgr., Electronic Systems Dept., National Co., Inc., 61 Sherman St., Malden 48, Mass.
- MAINE, ARTHUR E. (M'55), Chief Electronics Engr., The DeHavilland Aircraft of Canada, Oownsview. Ont.. Canada. MAINE, CLARENCE P. (A'57), Engr., AT&T, 20 N. Wacker Dr. Chicago, III.
- MAINE, REUBEN E. (S'50-A'52-M'57), Engr., Sperry Pledmont Co., Rte. 29 & Hydraulic Rd., Charlottesville, Va.
- MAINLAND, RICHARD G. (S'48-A'51-M'56), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif MAINO, ALDO G. (S'56-M'59), Mfg. Trainee, GE Co., Syracuse, N.Y.
- MAINS, MACDONALO C. (S'39-A'40-M'55), 18 Jyomyoji,
- MAINS, MACDONALO C. (S'39-A'40-M'55), 1B Jyomyoji, Kamakura, Japan.
 MAIORINO, GENNARO S. (A'57), Sr. Mech. Engr., Strombero-Carison Co., 1400 N. Goodman St., Rochester, N. Y. MAIR, ROBERT B. (SM'56), Tech. Mem., Australian Broadcastin Control Board, 497 Collins St., Melbourne, C. I., Victoria, Australia.
 MAIRET, GEORGES F. (A'56), X-Ray & Medical Electronics Service Technician, Philips Electronics industries, Ltd., 8525 Occarie Bivd., Montreal, P. Q., Canada.
 MAIRS, LAWKENCE A. (M'58), Supvr., Communications & Electronics, Federal Electric Corp., Paramus, N. J.
 MAISEL, JAMES E. (S'53-M'58), 12817 Lenacrave Ave...

- Electronics, Federal Electric Corp., Paramus, N.J.
 MAISEL, JAMES E, (S'53-M'58), 12817 Lenacrave Ave.,
 Cleveland, Ohio.
- MAISTO, N. STEPHEN (S'50-A'52-M'57), Principal Engr., Republic Aviation Corp., 223 Jericho Tpke., Mineola, L.1.,
- MAITHONIS, WILLIAM C. (A'54), 2948 Piedmont Ave.,
- La Crescenta, Calif.
 MAITRA, KARUNA K. (M'55), Mem. Research Staff, RCA
 Research Labs., Princeton, N. J.
- Research Labs., Princeton, N. J.
 MAJCHER, CLEMENT L. (5'49-A'50-M'58), Elec. Engr.,
 GE Co., Syracuse, N. Y.
 MAJEAU, HENRIE L. (5'54-A'54), Engr., Boeing Airplane
 Co., Seattle, Wash.
 MAJERCAK, JOHN V. (M'58), Research Engr., ThompsonRamo-Wooldridge, Inc., 7209 Platt Ave., Cleveland 4,
 Ohio.
- MAJERUS, J. BRUCE (M'56), Elec. Engr., Collins Radio
- Co., Cedar Rapids, Iowa.

 MAJKA, CHESTER J. (M'56), Sr. Engr., Raytheon Mfg.
 Co., Box 636, Santa Barbara, Calif.

 MAJLINGER, ANTHONY (S'43-A'48-M'55), Sr. Tech.
 Aide, Bell Tel. Labs., 463 West St., New York 14, N. Y.

 MAJDR, JAMES R. (S'58-M'59), Engr., Estimator, Knight
 Electric Co., Inc., 1115 Diamond Ave., Evansville 7,
- MAJOR, MC COY D. (S'57-M'59), Assoc. Engr., Boeing Airplane Co., Box 107, Seattle 14, Wash. MAJOR, RAYMOND P. (M'47), Prod. Analyst, RCA, Camden,
- N. J.

 MAJOR, THEODORE (M'56), Chief, Engrg. Sect., The Magnavox Co., Bueter Rd., Ft. Wayne, Ind.

 MAK, STEPHEN (M'59), Project Engr., American Electronics, Inc., 9503 W. Jefferson Blvd., Culver City, Calif.

 MAKAR, RAMSEY T. (A'48-M'55), Partner, Warks Mgr., Misr Electric Engrg. Co., 6 Mohammed Sidky, Cairo, Egypt.

 MAKELA, LEONARD V. (A'54), Asst. Servo Engr., Emerson Electric Mig. Co., 8100 W. Florissant Ave., St. Louis 21, Mo.
- Mo. MAKING TOSHO W. FIDISSAIR AVE., St. LOUIS 21, Mo. MAKEPEACE, FRANCIS G. (A'58), Exec. Engr., Sunwapta Broadcasting Co., Ltd., Edmonton, Alta., Canada. MAKI, ALBERT E. (S'57-A'57), Central Office Man, Bell Tel. Co. of Canada, Sudbury, Ont., Canada. MAKI, CHARLES E. (S'50-A'52-M'53), Chief Dev. Engr., M B Mfg. Co., 781 Whalley Ave., New Haven, Conn. MAKI, GEORGE J. (A'27-M'45-SW149), Research Physicist, Santa Barbara Research Center, Goleta, Calif. MAKI, PENTIJ J. (A'58), Owner, MakI's TV Electronics, Central Valley, Calif. MAKIMOTO, TOSHIO (M'56), Asst. Prof., Institute of Scientific & Industrial Research, Osaka Univ., Kitahanada, Sakai, Japan. MAKINO, YASUO (M'58), Rep. in Bandkok. Nippon Tele-

- MAKINO, YASUO (M'58), Rep. in Bangkok, Nippon Tele-graph & Telephone Public Corp., 2 Akasaka-Aoicho Minato-ku, Tokyo, Japan. MAKINO, YUICHI (A'56), Asst. Mgr., Radlo Engrg. Sect., Tokyo Shibaura Electric Co., Kawasaki, Japan.
- MAKINSON, FRANK H. (S'58-M'59), 3670 Upper Terrace Dr., Arlington, Calif.
- MAKINSON, GRANT E. '\'31-VA'39-M'55), TV Research Engr., Zenith Radio C ..., 6001 W. Dickens, Chicago 39, III.
- MAKINSON, HUGH O. (M'50), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif.
- Electronics Lab., San Diego 52, Callf.

 MAKLARY, JOSEPH R. (A'77), Jr. Electronics Research Engr., A. O. Smith Corp., Milwaukee 1, Wis.

 MAKOW, DAVIO M. (A'52-M'56), Asst. Research Officer, Natl. Research Council, Ottawa, Ont., Canada.

 MAKOWSKI, JOHN J. (S'46-A'48-M'55), Instr., Milwaukee Institute of Technology, 1015 N. 6 St., Milwaukee Makowski, John J. (S'46-A'48-M'55), Asst. Research Scientist, Research Div., New York Univ., 401 W. 205 St., New York 34, N.Y.

- MAKRIS, JAMES (M'56), Sr. Engr., Aerophysics Develop-ment Corp., Santa Barbara, Calif. MAKUSH, WALTER S. (M'57), Application Engr., Elec-tronics System Defense Prods., Westinghouse Elec. Corp., 600 St. Paul Ave., Los Angeles 17, Calif.
- MALAFDURIS, THEDDDRE (A'55), Dev. Engr., Chrysler Missile Div., Detroit 31, Mich.
- Missile Div., Detroit 31, Mich.
 MALAGISI, CARMEN S. (M'59), Electronics Scientist, Rome
 Air Development Center, Rome, N. Y.
 MALAN, DANIEL G. (A'46-M'55), Sr. Research Officer,
 (Acoustics), Council for Scientific & Industrial Research,
 Box 395, Pretoria, South Africa.
- MALANG, ALBERT W. (S'52-A'55), Facilities Engr., American Broadcasting Co., 40 W. 66 St., New York 23, N. Y.
- N.Y.

 MALASKY, SOL W. (M'56-SM'59), Mgr., Lockheed Missile

 ¿Snace Div., 3251 Hanover St., Palo Alto, Calif.

 MALAUN, WILLIAM R. (S'56-M'59), Elec. Engr., Varian

 Associates, 611 Hansen Way, Palo Alto, Calif.

 MALBRAIN, JOHN P. (S'47-A'50), Mem. Tech. Staff,

 Ramo-Wooldridge Corp., Box 45234, Los Angeles 45,

 Calif.
- MALCHMAN, FRANKLIN L. (S'47-A'50), Research Engr., Fairchild Camera & Instrument Corp., Robbins Lane, Syosset, L.I., N.Y.

- L.I., N.Y.

 MALCOLM, ANDREW (A'55), Tech. Writer, Aerojet-Genl.
 Com., Azusa, Calii. at AFMTC, Fla.

 MALCOLM, DONALD H. (M'57), Project Engr., RemIngton Rand Univac, St. Paul, Minn.

 MALCOLM, LORIS (S'49-A'53-SM'58), Group Supvr.,
 Elcc. Design, Radioplane Div., Northrop Corp., 80DO
 Woodley, Van Nuys, Calii.
- Woodley, Van Nuys, Calif.

 MALCOLM, WILLIAM W. (M'59), Aeronautical Research Endr., Army Ballistic Missile Agency, Huntsville, Ala.

 MALCOMSDN, JAMES A. (A'57), Sr. Instr., Burroughs Com., Burroughs Dr., Radhor, Pa.

 MALCZYNSKI, JOHN R. (S'54-M'58), Engr., Electronic Instruments, GE Co., 3750 'D' St., Phil'adelphia 24, Pa.

 MALDEN, ANCILE E. (S'54-M'55), Assoc. Engr., IBM, Kingston, N. Y.
- MALDDNADO, CLIFFORD D. (M'59), Post Doctoral Fellow,
- MALDOON, LYNN M. (S'56-M'57), Dev. Engr., RCA, Moorestown. N. J.
- MALECH, ROBERT G. (S'53-A'55), Sr. Mem. Tech. Staff, RCA, Boy 588, Burlington, Mass.

- RCA, Boy 588, Burlington, Mass.

 MALECKI, ARTHUR S. (A'58), Equipment Engr., The Barnes Entry. Co. 730 Commerce Rd., Starnford, Conn.

 MALI, PAUL (S'52-A'54-M'59), Elec. Engr., Genl. Dynamics Corn., Groton, Conn.

 MALIK, OSCAR J. (S'54-A'56), Assoc. Engr., Douglas Aircraft Co., 3855 Lakewood Blvd., Long Beach, Calif.

 MALILA, WILLIAM A. (S'55-M'57), 217 E. Kirwin, Salina, Kan.
- Salina, Kan.

 MALIN, LEONARD J. (A'56), Asst. Staff Engr., Servomcchanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif.

 MALINA, BERNARD (S'55-M'57), Elec. Engr., Canadair,
 Ltd., Montreal, P. Q., Canada.

 MALINA, MEYER (S'50-A'51-M'58), Elec. Engr., U.S.
 Time Cono., 76 N. Broadway, Irvington, N.Y.

 MALING, GEORGE C., JR. (S'53-A'55), Research
 Asst., Research Lab. for Electronics, MIT, Cambridge
 39, Mass.

- 39, Mass.

 MALING HENRY F., JR. (S'40-A'44-M'52), Prof., Elec. Engrg., U.S., Naval Academy, Annapolis, Md.

 MALING. KLIM (S'58-M'58), MIT. Cambridge, Mass.

 MALINOVSKY, KAREL V. (S'52-M'58), Instr., Univ. of San Francisco, San Francisco 17, Calif.

 MALINOWSKI, STANLEY (A'50-M'55), Engr., Motorola, Inc., Communication & Elec. Div., 4501 W.

 Augusta Blvd., Chicago 51, III.
- MALITZ, EDWIN (S'54-A'55), Elec. Engr., RCA, Camden,
- MALIZIA, JOSEPH P. (S'55-M'59), Jr. System Engr., Lab. for Electronics, Inc., Commonwealth Ave., Boston, Mass.
- Mass.

 MALKIEWICZ, JOHN F. (S'57-M'59), 82 Nottingham Ave.,
 Patchogue, L.I., N.Y.

 MALKIN, IRA I. (S'54-M'56), Digital Systems Engr.,
 Stavid Engra., Inc., Rte. 22, Plainfield, N.J.

 MALKIN, SAMUEL (A'37-VA'39-M'55), Chief, Procurements Data Div., Signal Equipment Support Agency
 Labs., Ft. Monmouth, N.J.
- MALKIN, THEODORE A. (M'57), Sr. Engr., Remington Rand Univac, 19 & Allegheny Ave., Philadelphia 29, Pa.
- MALLACH, LAWRENCE W. (S'35-SM'50), Pres., Lamb-da-Pacific Engrg., Inc., 14725 Arminta St., Van Nuys,
- MALLALIEU, FRANK R. (A'45-M'55-SM'56), Genl. Mgr., Transelectric Mg., Co., Oxford, Pa. MALLERY, PAUL (M'57), Owner, Paul Mallery Associates, 94 Oakwood Dr., Murray Hill, N.J.
- MALLETT, JOHN D. (S'41-A'43-M'55), Physical Scientist, Rand Corp., 1700 Main St., Santa Monica,
- MALLIN, JAMES A. (S'50-A'51-M'55), Sr. Engr., The Johns Hopkins Univ. Applied Physics Lab., Silver Spring, Md.
- MALLINCKRODT, ALBERT J. (S'46-A'51-SM'54), Communications Research Labs., 14141 Stratton Way, Santa Ana, Calif.
- Ana, Calif.

 MALLINCKRODT, CHARLES O. (SM'51), Staff Engr.,
 Thompson-Ramo-Wooldridge, Inc., 5500 W. El Segundo
 Blvd., Los Angeles 45, Calif.

 MALLING, LEONARD R. (A'31-VA'39), Research Engr.,
 Jet Propulsion Lab., California Institute of Technology,
 4800 Oak Grove Dr., Pasadena 3, Calif.

 MALLINSON, FRANK C. (SM'54), Consulting Engr.,
 Grandview on the Potomac, RFD 1, Box 246, Alexandria,
 Va.
- MALLISDN, JAMES A. (\$'54-M'56), Research Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Sanka Monica, Calif.
- Monica, Calif.

 MALLISON, ROBERT E. (A'52-M'56), Group Leader,
 Research & Advanced Dev. Div., Avco Mfg. Corp.,
 301 Lowell St., Wilmington, Mass.
 MALLON, THDMAS A. (A'53), Sales Engr., R.C. Reid
 & Co., 248 W. Pamela Rd., Arcadia, Calif.

- MALLORY, GEORGE L. (A'54-M'55), Mfg. Mgr., Electronics, Martin Co., Denver 1, Colo. MALLORY, H. ROGERS (A'42-SM'54), Pres., Romal Electric Prods. Co., Inc., 156 11 Ave., New York 11, N.Y.
- 11, N.Y.

 MALLORY, P. GORDON (S'58-M'58), Instrumentation
 Engra, GE Co. of Canada, Ltd., 107 Park St., N.,
 Peterborough, Dnt., Canada.

- Engrg., UE. Vo. of Canada, Ltd., 107 Park St., N., Peterborough, Dnt., Canada.

 MALLORY, VERNDN L. (M'49-SM'56), Sr. Design Engr., Convair, Ft. Worth 1, Tex. MALLOY, JAMES J. (M'57), Test Engr., 1TT Components Div., 7635 Plantation Rd., Roanoke, Va.

 MALLOY, JOHN J. (S'56-M'58), Engr., Martin Co., Baltimore 3, Md.

 MALLOY, THDMAS J., JR. (A'59), Equipment Engr., Federal Electric Corp., Box 153, Anchorage, Alaska.

 MALLUMIAN, LEON (S'54-A'55), Electronics Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 MALM, JOHN F. (S'52-A'54), Jr. Field Engr., Bendix Radio Div., Towson 4, Md.

 MALM, RICHARD F. (S'156-M'57), Exec. Officer, USCG, Electronics Engrg. Sta., Wildwood, N.J.

 MALM, ROBERT (SM'56), Engrq. Specialist, Sylvania Elec. Prods., Inc., 1100 Wherle Dr., Buffalo 21, N.Y.

 MALMBERG, ALLAN F. (M'56), Staff Mem. Los Alamos

- N.Y.
 MALMBERG, ALLAN F. (M'56), Staff Mem., Los Alamos
 Scientífic Lab., Los Alamos, N.M.
 MALMBERG, PAUL R. (M'53), Research Physicist,
 Westinghouse Research Labs., Pittsburgh 35, Pa.

- westinghouse Research Labs., PittSburgh 25, Pa.
 MALMBERG, RICHARD A. (A'59), 10 Highfield Circle,
 Milton 86, Mass.
 MALME, CHARLES I. (S'52-A'55), Research Asst.,
 MIT Electronics Research Lab., Cambridge 39, Mass.
 MALMLEAF, WALLACE R. (M'56), Electronics Engr.,
 Tamman & Denison, 1 nc., 650 S. Clark St., Chicago
 3, Ill.
- 3, III.

 MALOFF, IOURY G. (M'27-F'36), Advanced Dev. Engr.,
 RCA, Camden 8, N.J.

 MALOGORSKI, EMERICK C. (M'58), Electronics Engr.,
 Wright Air Development Center, Wright-Patterson AFB,
 Dhio.
- MALOLEPSZY, VICTOR (M'56), Sr. Research Engr., Canadian Aviation Electronics, Ltd., 6214 Cote de Liesse Rd., Montreal, P.Q., Canada. MALONE, ANDREW (A'54), Checking Engr., Elec. Engrg. Dept., T.C.I. Div., U.S. Steel Co., Box 599, Fairfield, Ala.

- Ala.

 MALONE, CLAUDE P. (S'58-M'59), Project Engr.,
 White Sands Missile Range, N.H.

 MALONE, DAVID M. (S'56-M'57), Project Engr.,
 Edwards Engr. Co., 219 Yennicock Ave., Port
 Washington, L.I., N.Y.

 MALONE, EUGENE P. (S'51-A'52-M'56), Designer,
 Equipment Sect., Missiles Engra., Douglas Aircraft
 Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

 MALONE, HAROLD L. (A'51), Radio Interference Suppression Engr., Comell-Dubilier Electric Co., 4144 Glencoe,
 Venice, Calif.

 MALONE, MARTIN (S'54-M'56), Project Fnor., Kear-

- Venice, Calif.

 MALONE, MARTIN (S'54-M'56), Project Engr., Kearfott Co., Main Ave., Cilifon, N.J.

 MALONE, MARTHN (S'54-M'56), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 MIT, Lexington 73, Mass.

 MALONE, PIERCE P. (M'57), Pres., Knoblock & Malone, Inc., 1603 N. Newland, Chicago 35, III.

 MALONE, ROBERT J. (M'56), Project Mgr., Remington Rand Univac, 2750 W. 7 Blvd., St. Paul, Minn.

 MALONE, WALTER J. (A'30), Transmitter Engr., WHAM, 201 Humboldt St., Rochester, N.Y.

 MALONE, WAYNE D. (S'54-M'59), Engr., Crosley Div., Aveo Mfg. Corp., Cincinnati 25, Ohio.

 MALONE, WILLIAM C., JR. (S'47-A'99-M'55), Dir., Education, Otis Elevator Co., 1 Beach St., San Francisco 11, Calif.

 MALONE, WILLIAM H. (M'56), Electronics Engr.,
- MALONE, WILLIAM H. (M'56), Electronics Engr., Western Electric Co., 4 1/2 St., Winston-Salem, N.C. MALONE, WILLIAM R. (S'56-M'58), AM Supvr., Harvard Radio Broadcasting Co., Inc., Cambridge 38, Mass.

- MALONEY, JOHN P. (S'55-M'59), Prod. Engr., Western Electric Co., Omaha, Neb.
 MALONEY, LEO J. (S'50-A'51-M'57), Electronics Engr., Natl. Bureau of Standards, Boulder, Colo.
 MALONEY, PATRICK G. (S'56-M'58), Production Engr., Aero Div., Minneapolis-Honeywell Regulator Co., Stinson Blvd., Minneapolis, Minn.
- Son Bivo., Minimeaboris, Mris 7), Standards Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 MALONEY, RONALD S. (S'57-M'58), Elec. Engr., U.S.
 Naval Ordnance Lab., White Dak, Silver Spring, Md.
 MALONEY, THOMAS C. (S'51-A'52-M'57), Project Engr.,
 Victoreen Instrument Co., 5806 Hough Ave., Cleveland,

- Ohio.

 MALONEY, THOMAS E. (A'41-M'47), Deputy Chief, Radar Equipment Branch, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N. J.

 MALONEY, WILLIAM J. (S'53-A'54), Transistor Dev. & Application Engrg., GE Co., Syracuse, N. Y.

 MALOTTE, DELLA W. (A'54-M'59), Jr. Engr., Lansdale Tube Co., Spring City, Pa.

 MALOY, MARTIN (A'55), Sales Engr., Burlingame Associates, 510 S. Fulton Ave., Mt. Vermon, N. Y.

 MALPASS, DONALD, JR. (S'58-M'59), Dev. Engr., RCA, Camden 2, N. J.

 MALSBARY, JAMES S. (M'47), Elec. Engr., Wagner Elec-
- Camoen Z, N.J.

 MALSBARY, JAMES S. (M'47), Elec. Engr., Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

 MALTA, SALVATORE V. (A'45-M'55), Owner, Mfrs'.

 Rep., Victor S. Malta Co., Box 4007, Philadelphia
 18, Pa.

- 18, Pa.

 MALTAIS, WALTER E. (A'51-SM'56), Production Mgr., Steima, Inc., 190 Henry St., Stamford, Conn.

 MALTBY, A. IRVING (A'45), Lab. Engr., Bell & Howell Co., 7100 McComnick Bivd., Chicago 45, Ill.

 MALTER, LOUIS (A'37-SM'45-F'52), Dir., Research Varian Associates, 611 Hansen Way, Palo Aito, Calif. MALTHANER, WILLIAM A. (SM'51), Mem. Tech. Staff, Bell Tel., Labs., Murray Hill, N.J.

 MALTAZER, IRVING (S'49-A'51-SM'56), Sr. Engr., Vaccum Tube Design, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

- MALVIN, MARK A. (A'55), Elec. Engr., Bell Aircraft Corp., Niagara Falls, N.Y.

- MALZAHN, DONALD F. (S'55-A'57), U. S. Army, Ft. Monmouth, N. J.

 MAMON, GLENN (S'55-M'58), Elec. Ergr., ITT Labs., Nutley 10, N. J.

 MAN, EDWARD M., JR. (M'59), Mgr., Tech. Support Sect., Litton Industries, 490D Calvert Rd., College Park, Md.
- Park, Md.

 MANABE, SAMUEL K. (\$'56-M'58), Electronics Engr.,
 FAA, 5651 W. Manchester Ave., Los Angeles, Calif.

 MANAGAN, WILLIAM W. (\$'42-A'44-M'48), Assoc. Physicist, Electronics Div., Argonne Natl. Lab., Box 299,
 Lemont, III.
- Lemont, III.

 MANAHAN, GEORGE F. (S'50-A'54-M'58), Engr., Computer Control Co., Inc., 92 Broad St., Wellesley, Mass.

 MANAHAN, JDHN F. (M'56), Sr. Engr., Raytheon Mfg.
 Co., Missile Systems Div., Bedford, Mass.

 MANASSE, FRED K. (S'55-M'56), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.

 MANASSE, ROGER (M'66), Physicist, MIT Lincoln Lab.,
 Lexington 73, Mass.

- MANCEBO, THDMAS W. (S'51-A'53-M'58), Field Engr., Electronic Defense Lab., Whistman Rd., Mountain View, Calif.
- MANCHEE, ROBERT W. (S'57-M'59), Electronics Engr., U.S. Naval Proving Ground, Dahlgren, Va.
- MANCHESTER, QUENTIN F. (\$'57-M'59), Electronics Design Engr., Philos Corp., 3875 Fabian Way, Palo Alto, Calif.

- MANCINI, A. ROBERT (M'55), Staff Mem., Aeronautic Systems, 1234 AirWay, Glendale, Callf.
 MANCINI, RICHARD A. (A'54), Engr., Librascope, Inc., 808 Western Ave., Glendale 1, Callif.
 MANCINI, UMBERTO S. (M'56), Electronics Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, 1, N.Y.
- MANCINO, VINCENT J. (S'50-A'52-M'57), Radio Inter-ference Group, Central Engrg, Dept., RCA, Camden 2, N.J.

- N.J.

 MANCKE, RICHARD B. (M'51), Research Engrg. Supvr.,
 A.D.T. Co., Inc., 155 Ave. of the Americas, New York
 13, N.Y.

 MANCONE, JOSEPH G. (S'57-M'59), Sylvania Elec. Prods.,
 Inc., 1100 Wherle Dr., Buffalo 21, N.Y.

 MANCUSO, WILLIAM (S'52-A'54), Group Engr., Systron
 Corp., 950 Galindo St., Concord, Calif.

 MANDALE, WILLIAM R. (M'57), Assoc. Electronics Research Engr., Comell Aeronautical Lab., Inc., Genesee
 St., Buffalo 21, N.Y.

 MANDAS, JAMFS J. (S'55-M'57), 1311 Orange St.,
- MANDAS, JAMES J. (S'55-M'57), 1311 Orange St., Wilmington 1, Del.
- wilmington 1, Del.
 MANDEL, MARK (A'47-M'55), Project Engr., ITT Labs.,
 Nutley 10, N.J.
 MANDEL, MAX (S'48-A'51-M'58), Sr. Engr., Bendix
 Aviation Corp., 11600 Sherman Way, North Hollywood,
 Calif.
- MANDEL, PAUL (A'45-SM'54), Directeur de la Sect. Tele-communications, Centre de Recherches de la C.G.E., 33 rue Emeriau, Paris 15⁰, France.

- rue Emeriau, Paris 15°, France.
 MANDELKEHR, MAURICE M. (A'53-M'58), Elec. Engr.,
 RCA, Moorestown, N.J.
 MANDELKORN, RICHARD S. (SM'57), Dir., Planning,
 Lansdale Tube Co., Lansdale, Pa.
 MANDELL, ALVIN (S'43-A'46-M'48-SM'52), Research
 Specialist, Boeing Airplane Co., 250 Wyman St.,
 Waltham 54, Mass.
- Waltham 54, Mass.
 MANDELL, GILBERT E. (A'54), Supt., Power Tube
 Testing, RCA, Lancaster, Pa.
 MANDELL, MELVIN (A'55), Industrial Editor, Dun's
 Review & Modern Industry, 99 Church St., New York
 8, N.Y.
- 8, N.Y.

 MANDERFELD, E. C. (A'26-SM'45), Chief Engr., Mitchell Camera Corp., 666 W. Harvard St., Glendale 4, Calif. MANDERS, ARMFINN M. (S'55-M'58), Sr. Engr., ITT Labs., Nutley 10, N.J. 152-SM'57), Communications Supt., B.C. Engr., Co., Ltd., 590 Seymour St., Vancouver, B. C., Canada.

 MANDL, GEORGE P. (M'47-SM'56), Head, Engrg. Sect., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MANDL, HENRY J. (S'56-M'57), Elec. Engr., ITT Labs., Nutley 10, N.J.

 MANDZI, MCHABEL M. (S'50-A'51-M'57), Sr. Elec-

- Nutley 10, N.J.

 MANDZIK, MICHAEL M. (S'50-A'51-M'57), Sr. Electronics Engr., ITT Labs., Nutley 10, N.J.

 MANELIS, RICHARD E. (S'56-M'58), Engr., Nortronics
 Div., Northrop Corp., Hawthome, Calif.

 MANESS, DOYLE H. (S'56-M'57), Test Engr., Rheem
 Electronics Div., 7777 Industry Ave., Rivera, Calif.
- MANESS, JOHN H. (S'54-M'57), Electronics Engr., Southwestern Industrial Electronics Co., Box 13058, Houston 19, Tex.
- Houston 19, Tex.

 MANETSCH, THOMAS J. (A'54), Teaching Asst., Elec.
 Engrg., Univ. of Washington, Seattle 5, Wash.

 MANEREDI, JAMES R. (M'58), Assoc. Engr., American
 Bosch Arma Corp., Garden City, L. I., N.Y.

 MANERINO, BENATO L. (A'59), Chief, Transistor Circuits Lab., Fondasione U. Bordoru, Vigle Trastevere 189,
 Roma, Italy.
- MANGAN, BERNARD A. (A'55), Engr., IBM, Poughkeepsie,
- N.Y. MANGANELLI, CARL F. (A'58), 9016 Simms Ave., Balti-more 34, Md. MANGANELLI, FRED D., JR. (S'53-M'56), Experimental Engr., Pratt & Whitney Aircraft, CANEL, Box 611, Middletown, Conn.
- MANGELS, LEITH A. (A'58), Electronics Technician, Walter Kidde & Co., Inc., 675 Main St., Belleville,
- MANGELS, ROBERT H. (S'58-M'59), Ensign, USN, USS Ranger, CVA-61, FPO, San Francisco, Calif. MANGIAPANE, ROSARIO (M'57), Elec. Engr., Raytheon Mfg. Co., Hawk Project, S., T.D., White Sands Proving Ground, N.M.
- Gröund, N.M.
 MANGIERI, GEORGE A. (M'5B), Standards Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 MANGINO, JOSEPH M. (A'5B), Federal Electric Co., McGrath, Alaska.
 MANGOLD, EDWARD J. (A'52-M'57), Project Engr., Electronic Associates, Inc., Long Branch, N.J.

- MANGOLD, JOHN F. (S'55-M'59), USS Corporal, SS-346, FPO, New York, N.Y.
 MANGOLD, R. RAY (A'54), Prod. Analyst, Test & Evaluation, Burroughs, Inc., 41100 Plymouth Rd., Plymouth,
- Mich.

 MANGOLDS, BORIS (M'52), Chief Engr., Mark Electronics, inc., 250 Glenwood Ave., Bloomfield, N.J.,

 MANGUS, GEORGE (A'47), Research Engr., Mlami Herald, 200 S. Miami Ave., Mlami 32, Fla.

 MANHART, ROBERT A. (S'47-A'48-SM'55), Assoc. Prof., Elec. Engrg., Univ. of Arizona, Tucson 25, Ariz.

 MANHEIMER, BERNARD H. (M'59), Supvr., Industrial Engrg., Federal Electric Corn., Paramus, N.J.,

 MANIERE, NOEL E. (S'54-A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MANIFESTO, HORACIO D. (A'56), Tapiales 1288-10B, Vicente Lopez, Buenos Aires, Argentina.

- Vicente Lopez, Buenos Aires, Argentina.

 MANINGER, LOREN L. (M'58), Dev. Engr., Sylvania Elec.

 Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 MANINGER, R. CARROLL (M'45), Chief Engr., Precision

 Technology Dept., Librascope, Inc., 66 S. "P" St.,

 Livermore, Calif.

 ANNUE AND CALIFORNIA CALIFORNIA CONTROL OF CALIFORNIA CA
- MANKE, ARTHUR G. (A'26-SM'46), Engr., GE Co., Syracuse, N.Y.

- MANKE, ARTHUR G. (A'26-SM'46), Engr., GE Co., Syracuse, N.Y.

 MANKE, JOHN A. (S'56-M'57), 1st Lt., USMC, Marine Aviator, VMF-333, MCAAS, Beaufort, S.C.

 MANKEWICZ, EDWARD J. (A'53), Research Engr., Hughes Aircraft Co., Culver City, Cailf.

 MANKIN, ARTHUR H. (M'46), Project Engr., Induction Motors Corp., 570 Main St., Westbury, L.I., N.Y.

 MANKIN, EUGENE J. (S'53-A'54), Electronics Engr., Babcock Radio Co., Monrovia, Costa Mesa, Cailf.

 MANLEY, DEAN W. (M'58), TechRep. Fleid Engr., Philco Corp., 22 & Lehigh, Philadelphia 32, Pa.

 MANLEY, DEAN W. (M'58), TechRep. Fleid Engr., Pyllco Corp., 22 & Lehigh, Philadelphia 32, Pa.

 MANLEY, HAROLD J. (A'53), Advanced Research Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 MANLEY, JACK M. (A'43-SM'49), Mem. Tech. Staff, Bell Tel. Labs., Muray Hill, N.J.

 MANLEY, ROBERT W. (SM'59), Dept. Mgr., Guided Missile Labs., Hughes Aircraft Co., Culver City, Cailf.

 MANLEY, THE ODORE M. (S'47-A'47-M'51), DCS-Intel. Hurs., USAFE, APO 633. New York. N.Y.

 MANLOY, WILLIAM R. (S'52-A'54), Capt., USAF, Asst. to Chief Development Systems Unit, Communications & Navigation Lab., Wright kir Development Center, Wright-Patterson AFB, Ohlo. son AFB, Ohio.
- son AFB, Ohio.

 MANLY, RON (S'92-A'53), Dir., Systems Engrg. Institute, 7055 Freeman Blvd., Los Angeles 16, Calif.

 MANN, ABE (S'48-A'49-M'55), Asst. Chlef Automation Engr., Bulova Research & Development Labs., 62-10 Woodside Ave., Woodside 77, L.I.,N,Y.

 MANN, ALLEN (A'58), Administrative Asst., Hughes Aircraft Co., Culver City, Calif.

 MANN, ARTHUR M. (S'54-M'56), Engr., Dunn Engrg. Associates, Inc., 221 0'Brien Hwy., Cambridge 41, Mass.

 MANN, CHARLES W. (A'53), Chlef Crystal Engr., Reeves-Hoffman Div., Cherry St., Carlisle, Pa.

 MANN, DAVID O. (S'40-A'42-SM'54), Cmdr., USN, Fleid Service Officer, Naval Avlation Engrg. Service Unit, Naval Receiving Sta., Anacostia, D.C.

 MANN, DONALD A. (S'50-A'52-M'57), Sr. Engr., Nor-

- MANN, DONALD A. (S'50-A'52-M'57), Sr. Engr., Nor-tronics Div., Northrop Aircraft, Inc., Hawthorne, Calif. MANN, DONALD W. (S'55-M'57), Prod. Dev. Engr., Ford Motor Co., Dearborn, Mich. MANN, GLENN A. (M'58), Head, Tech. Data Group, Hughes Aircraft Co., Box 90515, Airport Sta., Los Angeles 45, Calif.
- MANN, HARRY T. (M'59), Elec. Engr., RCA, Moorestown,

- N.J.

 MANN, HENRY (A'54), Mem. Tech. Staff, Bell Tel. Labs.,
 MANN, HENRY (A'54), Mem. Tech. Staff, Bell Tel. Labs.,
 Murray Hill, N.J.

 MANN, HENRY L. (A'59), Industrial Rep., Gorham Mfg.
 Co., 333 Adelaide Ave., Providence, R.I.
 MANN, J. HORACE (S'56-A'58), Electronics Technician,
 Western Electric Co., Burlington, N.C.

 MANN, JULIUS W. (A'56), V.P., Mann & Russell Electronics, Northwest Syndicate, Inc., 2156 Pacific Ave.,
 Tacoma 2, Wash.
 MANN, MARTIN (M'58), Box 442, Van Nuys, Calif.
 MANN, MUSE E., JR. (S'51-A'54), Engro. Trainee, Missile
 Test Project, RCA Service Co., Patrick AF8, Fia.
 MANN, OSCAR J. (S'56-M'58), 24 Harvard Ter., Wast Orange,
 N.J.
- MANN, RALPH W. (SM'54), Research Specialist, Geo-physics, Humble Oil & Refining Co., Box 2180, Houston
- 1, Tex
- MANN, RAYMOND H. (A'50), Customer Liaison-Man, Corning Glass Works, Coming, N.Y.
 MANN, ROBERT W. (A'50), Project Mgr., Prod. Engrg. Design, Tammen & Denison Div., Land Air, Inc., 4751 N. Olott, Chicago 31, III.
- MANN, ROMALD M. (5:56-M'58), Design Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

 MANN, WILLIAM C. (5:56-M'57), Assoc. Engr., Westinghouse Electronics Div., Box 1897, Friendship Internati.

 Airport, Md.
- Airport, Md.

 MANN, WILLIAM R. (SM'57), Chief Telecommunications
 Officer, Training Command, RCAF, Trenton, Ont., Canada.

 MANNA, EDMOND E. (S'49-A'53-M'58), Owner, Mobile
 Communications, 8 Bennett St., Lynn, Mass.

 MANNAS, ROBERT G. (A'53-M'58), Elec. Engr., Lenkurt
 Electric Co., 1105 County Rd., San Carlos, Calif.

 MANNEL, WILLIAM M. (S'52-A'54), Project Mgr., Internatl. Standard Electric Corp., 67 Broad St., New York 4,
 N.Y.
- N.Y.
 MANNELL, LEON H. (S'49-A'50-M'56), Engr., Salesman, Greb X-Ray Co., 1200 W. 20 St., Topeka, Kan.
 MANNER, ALBERT E. (S'55-A'56), Engrg. Aide, Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.
 MANNER, HORACE (S'53-A'54-M'58), Research Engr., No. Amer. Aviation, 5701 Imperial Hwy., Los Angeles 45, Calif.
- 45, Call:
 MANNETTE, RUSSELL T. (S'54-M'56), Dev. Engr., Raytheon Mfg. Co., Waltham 54, Mass.
 MANNIK, GUSTAV (A'54), Project Engr., Ballantine Labs.,
 Inc., Fanny Rd., Boorton, N.J.
 MANNING, BOB M. (A'59), Special Tester, Cadillac Motor
 Car Div., Cleveland, Ohio.

- MANNING, CHARLES J. (A'53), Sales Mgr., Potentiometer Div., The Gamewell Co., 1238 Chestnut St., Newton Upper Falls 65, Mass.
- MANNING, CHARLES S. (SM'57), Head, Systems Div., USN Electronics Lab., San Diego 52, Calif. MANNING, EDWARD G. (S'42-A'47-M'52-SM'59), Assoc. Prof., North Carolina State College, Hillsboro St., Raleigh, N.C.

- Prof., North Carolina State College, Hillsborn St., Raleigh N.C.

 MANNING, FRANK W. (A'45-M'55), Supvg. Engr., Oak Ridge Natl. Lab., Box X, Oak Ridge, Tenn.

 MANNING, GEORGE C., JR. (A'59), 115 Medical Center Bldg., Ft. Wayne, Ind.

 MANNING, GERALD B. (S'156-M'59), Engr., Western Electric Co., 801 Merritt Dr., Greensborn, N.C.

 MANNING, GERALD B. (S'156-M'59), Engr., Western Electric Co., 801 Merritt Dr., Greensborn, N.C.

 MANNING, GERALD C. (M'58), Electronics Engr., Dept. of Defense, Ft. Meade, Md.

 MANNING, JOHN R. (S'55-M'58), Patent Agent, Burroughs Corp., 1737 H St., N.W. Washinoton 6. D.C.

 MANNING, KENZEL P. (A'53-M'57), Mgr., Prod. Engrg., Computer Lab., GE Co., Drawer 270, Phoenix, Ariz.

 MANNING, LAURENCE A. (S'43-A'45-5M'55), Assoc. Prof., Stanford Univ., Stanford, Calif.

 MANNING, ROBERT E. (M'58), System Engr., Hughes Aircraft Co., Fullerton, Calif.

 MANNING, WILLIAM L. (SM'52), Staff Engr., Electronics, P. R. Mallory & Co., Inc., 3029 E. Washington St., Indianapolis 6, Ind.

 MANNING, ANTHONY J. (A'47-M'52-SM'55), Components

- Indianapolis 6, Ind.

 MANNINO, ANTHONY J. (A'47-M'52-SM'55), Components
 Engr., RCA Radio & Victrola Div., Camden 8. N. J.

 MANOLY, ARTHUR E. (5'51-A'51-M'56), Supwr., Engr.,
 Components Div., 1'fă.T. 100 Kingsland Rd., Cliffon, N. J.

 MANOOG, JOHN C. (A'46-M'51), Pres., Radio Electronics
 Sales Co., 52 Chandler St., Worcester 8, Mass.

 MANOGIAN, HENRY (A'48-M'55-SM'58), Group Supvr.,
 Sanders Associates, 137 Canal St., Nashua, N. H.

 MANOUKIS, DEMOSTHENES N. (S'53-A'53), Engr.,
 Hammarlund Mfg. Co., 460 W. 34 St., New York 1,
 N. Y.

- N.Y.

 MANOV, FRANK S. (S'41-A'42-M'58), Mem. Tech. Staff, Ramo-Wooldridge Corp., 88 20 Bellanca, Los Angeles, Calif.

 MANRING, JOHN M. (S'54-M'56), Design Engr., Gilmore Industries, 13015 Woodland Ave., Cleveland 20, Ohio.

 MANSERG, HYMAN P. (A'46-M'55), Sr. Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 MANSEAU, HENRY L. (M'58), Research Engr., Barkley & Dexter Labs., Inc., 50 Frankfort St., Fitchburg, Mass.

 MANSER, DONALD E., JR. (M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MANSER, JOHN E. (A'56), Project Tech. Writer, Burroughs Corp., Radnor, Pa.

 MANS FIELD, EARL C. (S'54-A'55), Project Engr., Western

- Corp., Radnor, Pa.

 MANSFIELD, EARL C. (S'54-A'55), ProJect Engr., Western
 Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 MANSFIELD, KENNETH I. (S'54-A'55), Sr. Engr., Bendix
 Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 MANSFIELD, RALPH (M'47), Chief Engr., Auto Test, Inc.,
 600 Michigan, Chicago S, Ill.

- MANSFIELD, RALPH (M'47), Chief Engr., AutoTest, Inc., 600 Michigan, Chicago 5, Ill.

 MANSFIELD, WALTER O., JR. (M'59), Fellow Engr., Westinphouse Elec. Corp., Elmira. N. Y.

 MANSHIP, JAMES F. (A'41-M'52), Sr. Engr., Western Electric Co., o/o Bell Tel. Labs., Whippany, N. J.

 MANSKY, LEDNARD (152-A'54), Sr. Engr., W. L. Maxson Corp., 460 W., 34 St., New York 1, N. Y.

 MANSON, PETER ST. C. (M'56), Project Engr., Bendix Radio Div., Ballimore 4, Md.

 MANSON, RAY H. (M'23-F'50)(L), RetIred, 373 Beresford Rd., Rochester, N. Y.

 MANSUR, DOUGLASS W. (S'55-M'57), Sr. Engr., Sylvania Elec. Prods., Inc., 123 Whisman Rd., Mountain View, Calif.

 MANSUR, FRANK (M'45-SM'56), Military Relations Rep., Lockheed Missile & Space Div., Palo Alto, Calif.

 MANSUR, GEORGE F., JR. (S'55-M'57), Electronics Engr., Collins Radio Co., Cedar Rapids, Jowa.

 MANTEK, PAUL A. (A'53), Elec. Engr., Dept. of Commerce, Natl. Bureau of Standards, Washington, D. C.

 MANTEY, JOHN P. (S'57-M'58), Box 185, Sharon Springs,
- MANTEY, JOHN P. (S'57-M'58), Box 185, Sharon Springs,
- Nan.
 MANTEY, WALLACE F. (A'44-M'55), Instrumentation Dev.
 Engr., Air Proving Ground Center, Eglin AFB, Fla.
 MANTY, WILLIAM A. (SM'50), Prod. Engr., Raytheon Mfg.
 Co., Lowell, Mass.
 MANWARREN, THOMAS E. (M'57), Engr., GE Co., Syracuse,
 N.Y.
- MANZ, AUGUST F. (S'55-M'58), Dev. Engr., Linde Co., Div., Union Carbide, Frelinghuysen Ave., Newark, N.J. MANZ, AUGUST F. (S'55-M'58), Dev. Engr., Linde Co., Div., Union Carbide, Frelinghuysen Ave., Newark, N.J. MANZOLILLO, DOMINIC C. (S'57-M'57), 244 Mill Rd., Valley Stream, L.I., N.Y. MAPES, CHARLES M. (SM'50), Asst. Chief Engr., AT&T Co., 195 Broadway, New York 7, N.Y. MAPES, THEODORE J. (S'51-A'55), Group Leader, Eastern Industries, Inc., 100 Skiff St., Hamden 14, Conn. MAPLE, T. GRANT (M'55), Chief Engr., Thermosen, Inc., 375 Fairfield Ave., Stamford, Conn. MAPLES, THOMAS K. (SM'54), Asst. To V.P., Boston Div., Minneapolis-Honeywell Regulator Co., 40 Life St., Boston 35, Mass.

- MAPP, HERBERT S. (S'50-A'51-M'58), Design Engr., Vertol Aircraft, Morton, Pa. MAPS, CHARLES E. (A'56), Wire Chief, New York Telephone Co., 26 Ashford Ave., Dobbs Ferry, N. MAR, WILLIAM A. (S'54-A'55), 4956 W. 20 St., Los Angeles 16, Calif.
- Angeles 16, Calif.

 MARABLE, HERBERT E. (\$'54-M'55), Assoc. Engr.,
 Nortronics, 222 N. Prairie Ave., Hawthorne, Calif.

 MARABLE, WALTER T., JR. (\$'554-M'57), Research Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 MARAFIOTI, JAMES J. (A'53-M'58), Prod. Engr., Coming
 Glass Works, Bradford, Pa.

 MARANDINO, NED J. (M'45), Dept. Mgr., Electronics,
 Lockheed Aircraft Co., Missile Systems Div., 7701

 Woodley Ave., Van Nuys, Calif.

 MARANHAO, STENIO, M. (A'50), Engr., Che. Populling

- MARANHAO, STENIO M. (A'58), Engr.-in-Chg., Brazilian Railway Signaling Co., Rua Primeiro De Marco, 1124, Rio De Janeiro, Brazil.
- MARANTZ, DANIEL R. (S'53-A'55), Sr. Project Engr., Bruno-New York Industries, Inc., 460 W. 34 St., New York, 1, N.Y.

- MARANTZ, SAMUEL A. (A'46-M'55), Teacher, Physics, Board of Education, New York City, 3787 Bedford Ave., Brooklyn 29, N.Y.
- MARANTZ, SAUL B. (A'57), Owner, Marantz Co., 25-14 Broadway, Long Island City 6. N.Y.
- MARAS, ROBERT G., JR. (M'56), Electronics Group Leader, The Dow Chemical Co., Box 2131, Denver, Colo.

- Leader, The Dow Chemical Co., Box 2131, Denver, Colo.

 MARASCO, FRANCIS A. (M'32), Supvy. Electronics Scientist, U. S. Naval Avionics Facility, 21 & Arlington, Indianapolis, Ind.

 MARATHE, D. H. (M'42-SM'43), Radio Electric Institute, Lamington Chambers, Lamington Rd., Bombay 4, India.

 MARAVICH, RUDOLPH (A'50), Regional Sales Mgr., Hughes Prods., 6120 W. North Ave., Chicago 39, III.

 MARBLE, FRANK G. (A'38-SM'44), V. P., & Genl. Mgr., Boonton Radio Corn., Intervale Rd., Boonton, N. J.

 MARBLE, JON E. (S'57-M'58), Group Leader, Remington Rand Univac, St. Paul, Minn.

 MARBLE, THOMAS F., JR. (S'58-M'59), Engrg. Writer, Westilghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 MARBURGER, WALTER G. (A'45-M'55), Prof., Physics, Western Michigan Univ., Kalamazoo, Mich.

 MARCATILI, ENRIQUE A. J. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Holmdel, N. J.

 MARCEAU, JULES P. (J'30-A'33-VA'39-M'57), Mgr., Southern Canada Power Co., Ltd., Box 307, Drummond-ville, P. Q., Canada.

 MARCELLINI, ROBERT P. (M'58), Design Engr., Packard-Bell Electronics, 1905 Armacost, Los Angeles 25, Calif.

 MARCEV, JOHN M., JR. (S'57-M'58), Elec. Engr., (Meloar, Inc., 3000 Arlington Biol., Falls Church, Va.

 MARCH, GORDON W. (A'50-M'54), Mgr., Publications Engrs.) Dest, Collins Radio Co., Cedar Rapids, lowa.
- Melpar, Inc., 3000 Arlington Blvd., Falls Church, va.
 MARCH, GORDÓN W. (A'50-M'54), Mgr., Publications
 Engrg. Dept., Collins Radio Co., Cedar Rapids, Jowa.
 MARCH, JOSEPH W., JR. (S'51-A'55), Electronics Engr.,
 Bureau of Ships, Dept. of the Navy, Washington 25, D.C.
 MARCH, PHILIP S. (A'27-VA'39), 215 Fairview Ave.,
 Boonton, N.J.
- MARCH, ROBERT C. (M'58), Engr., Tech. Publications, Western Electric Co., Old Lexington Rd., Winston-Salem, N.C.
- MARCHAND, J. RAYMOND (M'58), Engr., II, Mamitoba Telephone System, 166 Portage, E., Winnipeg Man., Canada.
- MARCHAND, NATHAN (A'39-M'44-SM'50), Owner, Marchand Electronic Labs., 311 Riversville Rd., Greenwich, Conn.

 MARCHAND, OWEN P. (A'53), Sales Engr., Mfrs. Rey Marchand Associates, 312 Academy St., Jersey City, N.J.
- MARCHAND, WILLIAM C. (A'51-M'57), Tech. Dir. Lakeland Broadcasting Co., 16 Centre St., Oshawa, Ont., Canada. MARCHESANO, JOHN E. (M'52), Systems Engr., Arma Div., Garden City, L.I., N, Y, MARCHESE, JOSEPH H. (A'54-M'57), Sr. Systems Engr., Data Control Systems, 39 Rose St., Danbury, Conn.
- Data Control Systems, 39 Rose St., Danbury, Conn.
 MARCHESE, NICHOLAS (M'58), Test Engr., ITT Federal
 Div., 100 Kingsland Rd., Cliffton, N.J.
 MARCHESE, THEODORE J. (A'44-5M'50), Exec. Engr.,
 ITT Labs., 15151 Bledsoe St., San Femando, Calif.
 MARCHETTA, PETER (A'49-M'55), Elec. Engr., Applied
 Physics Lab., Johns Hopkins Univ., Silver Spring, Md.
 MARCILLE, ROBERT E. (M'57-SM'58), Mem., Tech., Staff
 Planning, Melpar, Inc., 43 Leon St., Boston 15, Mass.
 MARCINKIEWICZ, STANLEY V. (A'58), Electronics Technician, Mid Century Instrumatic Co., 611 Broadway,
 New York, N.Y.
- ARCINNIE INC.

 nician , Mid Cen
 New York , N .Y
- MARCINKO, ANDREW M. (A'55), Sr. Electronics Engr., Consultants & Designers, Inc., 650 11 Ave., New York 36, N.Y.
- MARCINKOWSKI, CHESTER J. (A'43-M'58), Research Assoc., Microwave Research Institute, Polytechnic Institute of Brooklyn, 55 Johnson St., Brooklyn, N.Y. MARCINKOWSKI, EDWIN R. (S'50-A'51-M'57), Asst. Project Engr., Fairchild Astrionics Div., Wyandanch, L.I., N.Y.
- MARCINKOWSKI, HENRY L. (A'52-M'56), Dev. Engr., Control Instrument Co., Inc., 67 35 St., Brooklyn 32, N.Y.
 MARCLEY, WILLARD E. (S'51-A'52-M'57), Design
 Engr., Raysheon My., Co., Wayland, Mass.
 MARCO, GARY E. (S'57-M'59), Dev. Engr., Bell Tel.
 Labs., CV Western Electric Co., Chatham Rd., Winston—Salem, N.C.

- Salem, N.C.

 MARCOLINI, VICTOR H. (S'54-M'56), Dev. Engr., Ingersoll Milling Machine Co., Rockford, Ill.

 MARCOTT, CREIGHTON M. (A'56-M'58), Mng. Editor, Electronic Industries & Tele-Tech., Chilton Co., 56 & Chestnut Sts., Philadelphia, Pa.
- MARCOTTE, ALFRED G. (A'54), 3 Sunrise Ave., Chelmsford, Mass.

- ford, Mass.

 MARCOTTE, JOSEPH (M¹52), Tech. Dir., Montreal Radio Services, Canadian Broadcasting Corp., Box 6000, Montreal P.Q., Canada.

 MARCOTTE, PAUL G. (M¹57), Assoc. Engr., U. S. Naval Ordnance Lab., Silver Spring, Md.

 MARCOTTE, ROBERT A. (M¹57), Project Engr., IBM, Box A, Essex Junction, Vt.

 MARCOVITZ, MORTON W. (S¹50-A¹52-M¹57), Sr. Dev. Engr., Burroughs Corp., Research Center, Paoli, Pa.

 MARCOTT, H. C. (SM¹46), R.D. 2, Box 91, Fallston, Md.

- MARCUCI, ROBERT L. (M'57), Electronics Design Engr., Marcuci, ROBERT L. (M'57), Electronics Design Engr., Varo Mfg. Co., 2201 Walnut, Garland, Tex.
 MARCUM, DEXTER (S'53-A'54), Dev. Engr., GE Co., Syracuse, N. Y.
 MARCUM, WILLIAM F. (A'52-M'57), Fleld Mgr., RCA, Service Co., Camden 8, N. J.
 MARCUS, DANIEL H. (A'49-M'55), Head, Computer Sect. American Bosch Arma Corp., Garden City, L.I., N. Y.
 MARCUS, CENE H. (S'55-M'57), 1st Lt., USAF, Filight Test Engrg., Wright-Patterson AFB, Ohlo.
 MARCUS, HERBERT M. (A'56), Pess. & Mgr., Herbert M. Marcus, Consultant, P. O. Bldg., Flourtown, Pa.
 MARCUS, JOSEPH A. (S'46-A'49-M'55), Sr. Engr., Servomechanisms, Inc., Mechatrol Div., 1200 Prospect Ave., Westbury, L.I., N. Y.
 MARCUS, MELVIN A. (S'49-A'51-M'55), Sect. Head,
- MARCUS, MELVIN A. (S'49-A'51-M'56), Sect. Head, Fairchild Astrionics Div., Wyandanch, L.I., N.Y.

MAR-MAR - 281 -

- MARCUS, MURRAYS. (A'59), Electronics Technician, Arma Div., American Bosch Arma Corp., Mineola, L.I., N.Y. MARCUS, PAUL (S'46-A'51-M'58), 87-5D 204 St., Holliswood, L.I., N.Y. MARCUS, ROBERT B. (M'56), Sr. Engr., Haller, Raymond & Brown, Inc., State College, Pa. MARCUS, SAM B. (M'59), Design Engr., Collins Radio Co., Richardson, Tex. MARCUS, SANFORD M. (M'58), Engr., RCA, Camden, AND COLORS, SANFORD M. (M'58), Engr., RCA, Camden,

N.J.
MARCUS, SEBASTIAN (S'58-A'58), Electronics Technician,
Accoustica, Inc., Mineola, L.I., N.Y.
MARCUS, THOMAS J. (M'58), Application Engr., Westinghouse Elec. Corp., Pittsburgh, Pa.

nouse Liec, Corp., Pittsburgh, Pa.
MARCUSE, DIETRICH (M'58), Mem. Tech. Staff, Bell
Tel. Labs., Holmdel, N. J.
MARCUVITZ, NATHAN (S'36-A'37-VA'39-M'55-SM'57F'58), Pof., Elec. Engry. & Dir., Microwave Research Institute, Polytechnic Institute of Brooklyn, 99 Livingston St.,
Brooklen, N. V.

Brooklyn, N.Y.
MARCY, H. TYLER (M'46), Mgr., Prod. Dev. Lab., IBM,
Poughkeepsie, N.Y.

Poughkeepsie, N. Y.
MARCY, STEPHEN P. (A'53-M'58), Project Engr., Electronic Associates, Inc., Long Branch, N. J.
MARCY, WILLIAM J. (S'57-A'58), Sales Engr., Electronic
Specialty Co., 5121 San Fernando Rd., Los Angeles,
Calif.

MARDER, HAROLD S. (A'59), Asst. Project Dir. & Tech. Supvr., Chelsea Closed Circuit TV Project, 436 W. 27 St., New York, N.Y.

Supur., Chelsea Closed Circuit TV Project, 436 W. 27 St., New York, N.Y.

MARDERSTEIN, STANLEY (S154-A154), Engr., Alrbome Instruments Lab., Mineola, L.I., N.Y.

MAREK, EDWARD (S'57-A157), Engrg. Technician, Canadian Natl. Telegraphs, 151 Front St., W., Toronto 1, Ont., Canada.

MAREK, JOHN R. (S'53-A'54), Maint, Supur., Remington Rand Univac, 315 4 Ave., New York 4, N.Y.

MAREK, LUCIAN W. (A'49), Engr., Springfield TV Broadcasting corp., 17 Pearl St., Springfield Telaviaian Broadcasting corp., 180, 200, 200, Springfield Mass.

MAREK, MAX B. (A'53), Engr., Springfield Telaviaian Broadcasting corp., WWLP, Box 2210, Springfield, Mass.

MARELLI, RICARDO V. (S'51-A'54), Dir. Tecnico, Continental S.A.C.I.F., Alsinz 325 F, Buenos Aires, Argentina.

MAREM, FRANK A. (S'58-A'59), Instrumentation Technician, Convair, Ft. Worth, Tex.

MAREMOLTZ, PETEE (SM'58), Systems Engr., Daystrom Systems, 4455 Miramar Rd., La Jolla, Calif.

MARESCA, THOMAS J. (A'55), Microwave Dev. Engr., GE Co., Ithaca, N. Y.

MARGALA, CHARLES M. (S'56-M'58), Electronics Engr., Olympic Radio & Tv, Inc., 34-01 38 Ave., Long Island City, N. Y.

MARGALA, ANTHONY J. (M'55), Engr., Tech. Writer, Andrew Com. 363 7 75 St. (Tickano 19. Ulicagon 19. Ulicag

City, N.Y.

MARCALA, ANTHONY J. (M'55), Engr., Tech. Writer,
Andrew Corp., 363 E. 75 St., Chicago 19, III.

MARCERUM, DONALD L. (S'48-A'51-M'54-SM'56), Dir.,
Electronics Div., Systems Labs. Corp., 14852 Ventura

Bivd., Sherman Oaks, Calif.

BIvd., Sherman Oaks, Calif.

MARGETTS, HOWARD S. (M'59), Dev. Engr., ITT Labs.,
Nutley 10, N. J.

MARGETTS, WILLIAM R. (M'58), 204 Barr Elms Ave.,
Joliet, III.

MARGNA, CAMILLO R. (A'51-M'56), Tech. Dir., M. J.
Purtschert U. Co., Ag., Klosterstr. 31, Luzern, Switzerland.

nano.

MARGOL, LAWRENCE (A'52-M'57), Supvr., Autonetics
Div., No. Amer. Aviation, Downey, Calif.

MARGOLICK, FRANK H. (M'50-SM'59), Chief Engr.,
Electrical Prods. Mfg. Co., 4785 Pare St., Montreal,
P.Q., Canada.

Electrical Prods. Mfg. Co., 4785 Pare St., Montreal, P.Q., Canada. MarGoLIN, ALVIN R. (S'46-A'49-M'55-SM'58), Research Physicist, Hughes Aircraft Co., Culver City, Calli. MARGOLIN, BENJAMIN (A'45-M'55), Assoc. Engr., Brookdale Engrg. & Services Co., 6 Beacon St., Boston B, Mass. MARGOLIN, JEROME (S'50-A'53-A'57), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass. MARGOLIN, MYRON C. (S'48-A'50-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Needham 94, Mass. MARGOLIN, PHILIP (SM'58), Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. MARGOLIS, JACK (M'57), Electronics Circuits Designer, Aeronutronic Systems, Inc., (Gendale, Calli. MARGOLIS, JACK (M'57), Electronics Circuits Designer, Aeronutronic Systems, Inc., (Gendale, Calli. MARGOLIS, STEPHEN G. (S'53-M'56), Scientist, Westinghouse Elec. Corp., Bettis Site, Pittsburgh, Pa. MARGOSIAN, JOHN W. (S'42-A'45-SM'49), Supvr., Developmental Electronic Systems, Polarad Electronics, Inc., 43-20 34 St., Long Island City 1, N. Y.
MARGOT, ALAN T. (M'57), Owner & Chief Engr., Communications Engr., Co., 907 3rd St., Porterville, Calli. MARGOWSKY, HOWARD M. (S'49-A'50-M'52), Chief Engr., Remanco, Inc., 1630 Euclid, Santa Monica, Calli. MARGULIES, FRED (A'46-M'55), V. P., Avlonics Research Corp., 329 Hempstead Tpke., West Hempstead, L. 1., N.Y.
MARGULIES, HOWARD H. (A'57), Engr., The Martin Co., Baltimore 3. Md.

MARGULIES, HOWARD H. (A'57), Engr., The Martin Co., Baltimore 3, Md. MARGULIES, ISADORE (A'52-M'58), Equipment Specialist, Ordnance Corps, Dept. of Defense, Ft. Bliss, Tex.

Uronance Corps, John. of Detense, rt. p. 1883, Feat. MARGULIU5, MARIO (A'4B-SM'57), Owner-Mgr., Marlo Marguilus y Cia---"Selenar, "Av. La Pidata 2278, Buenos Aires, Argentina.

MARHAUER, HANS H. (S'56-M'58), Project Engr., The Procter & Gamble Co., Miami Valley Labs., Box 175, Cincinnati 31, Ohio.

MARIK, EDWARD F. (S'39-A'41), Mfg. Engr., Western Elaotric Co., Hawthome Sta., Chicago 23, III.

MARIN, FELIX L. (A'49-M'55), Supvy. Electronics Scientist, General Purpose Tubes & Applications Sect., Code 922, Material Lab., New York Naval Shipyard, Brooklyn 1, N. Y. MARIN, HERMENEGILDO (S'54-A'55), Dir., Electronic Lab., Instituto Nacional de Tecnica Aeronautica "Esteban Terradas," Torrejon de Ardoz, Madrid, Spain.

MARIN, IRVING L. (S'42-A'45-SM'56), Servo Dev. Engr., GE Co., HMED, Syracuse, N.Y. MARINACE, ROBERT C. (S'51-A'52), Sr. Project Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.

York 72, N.Y.

MARINAKOS, LEON C. (A'55-M'59), Project Engr.,
The Hotpoint Co., 6201 W. Roosevelt Rd., Berwyn, III.

MARINER, THOMAS H. (A'52), Sales Engr., Linde Co.,
DIV., U.C. & C. Corp., 300 Madison Ave., New York, N.Y.

MARING, KEITH T. (M'54), Pan American World Airways,
Brownsville, Tex.

MARINI, JOHN W. (A'50-M'58), Project Engr., Electromagnetic Research Corp., 711 14 St., N.W., Washington
5, D.C.

MARINO, ALGERI (A'30), Prof., Via Guldo D'Arezzo 14,
Rome, Italy.

MARINO, DOMINIC J. (S'53-A'54) Head Engr. Series

MARINO, ALGERI (A'30), Prof., Via Guldo D'Arezzo 14, Rome, Italy.

MARINO, DOMINIC J. (S'53-A'54), Head, Engrg. Sect., Spencer Lab., Raytheon Mrg. Co., Burlington, Mass.

MARINO, JOSEPH (S'57-M'58), Assoc. Engr., Spencer Co., Great Neck, L.1., N.Y.

MARINO, LAWRENCE A., JR. (A'51), Sr. Electronics Engr., Convair, Pomona, Calif.

MARINO, PAUL F. (S'53-M'56), Sr. Elec. Engr., Sylvania Elec. Prods., Inc., Needham, Mass.

MARINO, PAUL J. (S'53-M'55), J. Jackson Pl., Island Park, L.1., N.Y.

MARION, GEORGE E. (A'56), Service Branch Mgr., RCA Victor Co., Ltd., Calgary, Alta., Canada.

MARION, JOHN F. (M'56), Engrg. Dept. Head, Sperry Microwave Electronics Co., Clearwater, Fla.

MARION, THOMAS M. (A'52-SM'55), Sr. Physicist, Motorola, Inc., 3102 N. 56 St., Pheonix, Ariz.

MARION, THOMAS M. (A'52-SM'55), Sr. Western Electric Co., J227 E. 119 St., Kansas City 34, Mo.

MARIONT, PAUL G. (SM'54), Prod. Engr., Western Electric Co., J227 E. 119 St., Kansas City 34, Mo.

MARIONT, PAUL G. (SM'54), Pseearch Asst. Prof., Polytechnic Institute of Brooklyn (Microwave Research Institute), 55 Johnson St., Brooklyn I, N.Y.

MARIQUE, JEAN (M'46), Sect. Gen., Centre de Controle des Radiocomms. des Services Mobiles, 97 Ave. du Prince d'Orange, Uccle-Brussels, Belgium.

MARIS, ELLIS H., JR. (M'56), Sr. Engr., Haller, Raymond & Grown, Inc., State College, Pa.

MARIZZA, DONALD S. (S'57-A'58), Sr. Lab. Technician, Mark, John T. (A'52), Design Engr., RCA, Lancaster, Pa.

Pa.

MARK, RICHARD A. (S'55-M'57), Electronics Scientist,
U.S. Naval Air Missile Test Center, Point Mugu, Calif.

MARK, ROBERT 8. (5'47-A'50), Systems Engr., RCA
Missile Electronics & Control Dept., Box 588, Burlington, Mass.

ton, Mass.

MARKAKIS, MICHAEL J. (S'48-A'50-M'55), Group Engr., Ampex Corp., 931 Charter St., Redwood City, Calif. MARKARIAN, HAGOP (S'48-A'51-M'58), Staff Engr., Military Prods. Div., IBM, Owego, N.Y. MARKEL, ROBERT (A'58), Engr., Technician, Narda Ultrasonics, 122 Herricks Rd., Mineola, L.I., N.Y. MARKEL, JOHN H. (S'41-A'44-M'47-SM'52), Consultant Electronics Engr., Pacific Missile Range, Point Mugu, Calif. MARKENSCOFF ANTIQUE Of the Communication of the Communicat

MARKENSCOFF, ANTHONY C. (M'58), Dev. & Sales, Aveley Electric, Ltd., Ayron Rd., Aveley, Essex, Eng-land.

Aveley Electric, Ltd., Ayron Rd., Aveley, Essex, England.

MARKER, THOMAS F. (SM'52), Mgr., Automated Data Dev., Sandia Corp., Sandia Base, Albuquerque, N.M.

MARKES, ROBERT T. (S'53-A'54), Radar Systems Engr., GE Co., Syracuse, N.Y.

MARKES, DO, GUNNAR A. (A'55), 1st Asst. in Radio Engrg., Royal Institute of Technology, Stockholm, Sweden.

MARKEY, HAROLD G. (A'57), Staff Engr., IBM, Monterey & Cottle Rd., San Jose, Calif.

MARKEY, JOSEPH T. (A'54), Electronics Engr., Federal Prods. Corp., Providence, R.1.

MARKHAM, ALAN S. (M'52-SM'56), Principal Engr., Bendix Radio Div., Towson 4, Md.

MARKHAM, GRODON W. (S'57-M'58), Staff Mem., Genl. Precision Lab., Inc., Pleasantville, N.Y.

MARKHAM, IRVING F. (A'52-M'55), Sr. Project Engr., Natl. Scientific Labs., Inc., 2010 Massachusetts Ave., N.W., Washington 6, D.C.

MARKIN, JOSEPH (SM'54), Sect. Mgr., Equipment Operations, Raythoen Mfg. Co., 6380 Hollister Ave., Goleta, Calif.

MARKIN, NORTON (S'57-M'58), Engr., Librascope, Inc., 2000 Mos 2000 Moster May.

Call.

MARKIN, NORTON (S'57-M'58), Engr., Librascope, Inc., 808 Western Ave., Glendale, Calif.

MARKLE, RAYMOND E. (S'52-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

MARKLE, ROBERT E. (M'58), Dev. Engr., IBM, Endicott, N.Y.

N.Y.
MARKLE, ROBERT L. (A'52-M'56), TV Engr., KFSD-TV,
Hwy. 94, San Diego, Callf.
MARKLEY, JOHN E. (A'56), Exec. V.P., Internat I.
Electronic Research Corp., 145 W. Magnolia Blvd.,
Burbank, Calif.

Burbank, Calif.

MARKOSIAN, VICTOR (SM'52), Pres., Cornell Design Co., Inc., 528 Paterson Ave., East Rutherford, N.J.

MARKOW, ELLIOTT W. (SM'55), Group Leader, Raytheon Mfg. Co., Wayland, Mass.

MARKOWITZ, HAROLD (S'57-A'58), Tech. Writer, RCA Service Co., 217 Highland Ave., Westmont, N.J.

MARKOWITZ, RAYMOND S. (A'51-M'58), Communications Div. Head, American Electronics Labs., 121 N 7 St., Philadelphia 6, Pa.

MARKOWITZ, SEYMOUR (A'54), Staff Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.

Calif.

MARKOWSKI, EDWARD (M'56), Engrg. Specialist,
Associated Missile Prods. Corp., 2709 N. Garey
Ave., Pomora, Calif.

MARKS, EDWARD I. (A'52-M'57), Field Engr., I.E.
Robinson, 74D4 West Chester Pike, Upper Darby, Pa.

MARKS, GERALD J. (S'53-A'54), Project Engr., Kearfott Co., 561 McBride Ave., West Paterson, N.J.

MARKS, HARLEN L. (S'57-A'58), Engr., KTCA-TV, St. Paul 8, Minn.

St. Paul B, Minn.

MARKS, JAMES E. (S'51-M'57), Assoc. Dev. Engr.,
Union Carbide Nuclear Co., Box X, Oak Ridge, Tenn.

MARKS, JOHN B. (M'58), Electronics Officer, USAF,
Directorate of Intelligence, Hqrs. S.A.C., Offutt AFB,
Neb.

MARKS, MEYER (A'36-SM'47), Exec. Engr., Admiral Com., 3800 Cortland St., Chicago 47, III. MARKS, MICHAEL M. (SM'57), Project Engr., Fairchild Engine & Airplane Com., 1334 N. Henry St., Alexandria,

va.

MARKS, RALPH L. (M'47-SM'54), Chief, Air Defense Communications, Rome Air Development Center, Griffiss AFB, N.Y.

MARKS, ROBŁRIB. (M'58), Sr. Mech. Engr., Litton Industries, 10916 W. Washington, Culver City, Calif. MARKS, THOMAS P. (A'49), System Project Engr., RCA, Moorestown, N.J.

MARKS, WILLIAM A. (S'56-A'56), Electronics Technician, Bendix Aviation Co., 95 & Troost Sts., Kansas City, Mo.

MARKS, WILLIAM S., JR. (A'44-SM'44-F'52), Asst. to V.P., Research, Radiation, Inc., 1030 Herman Ave., Orlando, Fla.

Orlando, Fla.

MARKSON, JOHN L. (A'54), Research Engr., Autonetics
DIV., No. Amer. Aviation, Downew, Calif.

MARKUM, JOSEPH A., JR. (S'56-M'58), Electronics
Research Engr. "A," Lockheed Missile & Space Div.,
3251 Hanover St., Palo Alto, Calif.

MARKUNAS, JOHN P. (S'50-A'53-M'58), Field Engr.,
Western Electric Co., Chatham Rd., Winston-Salem,
N.C.

Western Electric Co., Gramman..., N.C.

MARKUS, JOHN (A'41-M'45-SM'58), Editor, McGraw-Hill Book Co., 330 W. 42 St., New York 36, N.Y.

MARKUSEN, DAVID L. (S'41-A'41-M'52), Research
Sect. Head, Minneapolis-Honeywell Regulator Co.,
2600 Ridgeway Rd., Minneapolis, Minn.

MARKUSSEN, RICHARD L. (A'59), Draftsman, Elec. & Mech., Howard Plastics, Inc., 1401 S. Main, Council Bluffs, Iowa.

Mech., Howard Plastics, Inc., 1401.5. Malli, Countillibilits, Iowa.

MARKWALTER, JOHN L., JR. (M'52-SM'56), Engr.,
LMED, GE Co., Ulica, N.Y.

MARKWOOD, WILLIAM R. (S'57-A'58), Service Engr.,
Diamond Power Specialty Corp., Lancaster, Ohio.

MARLATT, CHARLES D. (A'58), MaInt. Supvr., Communications, Pacific Great Eastern Railway, 1095

W. Pender, Vancouver 1, B.C., Canada.

MARLATT, RAYMOND L. (S'56-M'58), Elec. Engr.,
GE Co., Syracuse, N.Y.

MARLEAU, RICHARD S. (S'56-M'59), Teaching Fellow,
Univ. of Toledo, Bancroft St., Toledo, Ohio.

MARLEY, SHYNE B. (M'57), Electronics Engr., USN Mine
Defense Lab., Panama City, Fla.

MARLIN, ARNOLD (M'58), Research Engr., Ministry of
Defence, Scientific Dept., Box 7063, Hakirya, Tel-Aviv,
Israel.

Israel.

MARLOW, HAROLD C. (S'50-A'51), Maj., USAF, Rome Air Development Center, Plans & Programs Systems, RCOP, Griffiss AFB, N.Y.

MARLOW, WAYLAND C. (A'32-VA'39), Preliminary Design Engr., Fairchild Aircraft Div., Hagerstown, Md.

MARLOWE, ELBERT W. (M'46), Supvy. Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 31, Ohio.

MARLOWE, JOHN R. (S'57-M'59), Fleatmains Eng. 2004.

DIV., Avco Mig., Corp., 1329 Arlington St., Chicimati 31, Ohio,
MARLOWE, JOHN R. (S'57-M'59), Electronics Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
MARMONT, GEORGE H. (M'53), Head, Mech. Engrg. Sect.,
Firestone Engrg. Lab., Box 1413, Monterey, Calif.
MAROLDA, JOSEPH (S'44-A'47-M'55), Electronics Engr., New York Naval Shipyards, Brooklyn T. N. Y.
MARON, RVING (S'47-A'50-M'55), Systems Engr., RCA, Moorestown, N. J.
MARON, MEYER (A'44-M'48), Tech. Engrg. Specialist,
Allen B. DuMont Labs., Clifton, N. J.
MARON, MARION J. (S'48-A'50-M'55), Project Engr.
Electrobata Div., Burroughs Corp., 460 Sierra Madre
Villa, Pasadan, Calif.
MAROY, VICTOR G. (A'58), Radician, Federal Electric

MAROT, VICTOR G. (A'58), Radician, Federal Electric Corp., Paramus, N.J.

MAROT., VICTOR G. (A'58), Radiclan, Federal Electric Corp., Paramus, N.J.

MAROULIS NICHOLAS J. (M'57), Tech. Writer, GE Co., LMED, Utica, N.Y.

MARQUAND, ROBERT E. (S'49-A'51-M'56), Project Engr., Radiation, Inc., Box 37, Melboume, Fla.

MARQUARDT, C.S. (4'57), Instrumentation Technician, Forrestal Research, Princeton, N.J.

MARQUARDT, ROBERT A. (M'58), Elec. Engr., GE Co., Syracuse, N.Y.

MARQUESS, RODERICK L. (A'58), Jr. Design Elec. Engr., Southwestern Industrial Electronics Co., Houston, Tex.

MARQUEZ, ALFONSO (S'57-M'58), Westinghouse Educational Center, Ardmore Blvd. at Brinton Rd., Pittsburgh 21, Pa.

MARDUEZ, JOSE (S'48-A'50-M'55), Jefe Ingenieros, Radio Difusora Del Pacifico S.A., Box 100, Tijuana, B.C., Mexico.

MARQUIS, ARTHUR (S'47-A'51-M'56), Design & Applications Engr., Magnetic Materials Sect., GE Co., Edmore, Mich.

MARQUIS, DENNIS C. (M'58), Physicist, Dlamond Ordnance

MARQUIS, DENNIS C. (M'58), Physicist, Dlamond Ordnance Fuze Labs., Wahsington 25, D.C. MARQUIS, JOHN F. (S'57-M'58), Jr. Engr., IBM, Pough-keepsie, N.Y.

MARRA, THOMAS (S'57-M'59), Elec. Engr., Design, RCA, Moorestown, N.J.

Moorestown, N. J.
MARRARA, CHARLES G. (A'52-M'57), Project Engr., Marine
Div., Sperry Gyroscope Co., Roosevelt Field, Garden City,
L.I., N.Y.
MARREN, BERNARD T. (M'59), 2368 Victory Pkwy.,

Cincinnati 6, Ohio.

MARRINAN, HORACE J. (J'30-A'42-M'52), Transmitter
Supvr., WKY-WKY-TV, 500 N.E. Britton Rd., Oklahoma City 14, Okla.

homa City 14, Okira.

MARRINER, ALFRED W. (A'29-M'55), Retired, 734
Hillsdale Ave., Hillsdale, N.J.

MARRISON, WARREN A. (M'28-SM'43-F'58), Mem. Tech.
Staff, The Ramo-Wooldridge Corp., Box 45144, Airport
Sta., Los Angeles 45, Calif. MARRONE, PAUL C. (M '58), Cromwell Designs, Inc., 66 Gray St., Paterson, N J.

- MARSCHALL, FREDERICK W. (M'58), Turin Rd., Mounted Rte., Rome, N.Y.

 MARSDEN, CHARLES P., JR. (M'55), Chief, Electron Devices Sect. 1.02, Natl. Bureau of Standards, Washington 25, D.C.

 MARSDEN, WILLIAM Y. (A'44), Engr., Sperry Gyroscope Corp., Great Neck, L.I., N.Y.

- Corp., Great Neck, L.I., N.Y.

 MARSELE, L. (A'57), M-S-E Marsele System of Employment, 1B W. Chelten Ave., Philadelphia 44, Pa.

 MARSH, ALAN H. (S'56-M'57), Acoustics Engr., Douglas
 Aircraft Co., 3000 Ocean Park Bivd., Santa Monica,
 Calif.
- MARSH, CHARLES J. (A'52-M'57), Mgr., Engrg. Administration, GE Co., Microwave Lab., 601 California Ave., Palo Alto, Calif.
 MARSH, CHARLES J. (M'56), V.P. & Dir., Sales, Electronic Associates, Inc., Long Branch, N.J.
 MARSH, CHARLES L. (S'56-M'58), Box 465, Rush Springs, Okla.

- MARSH, CHARLES L. (S'56-M'58), Box 465, Rush Springs, Okla.

 MARSH, CLEE O., JR. (S'39-A'41-M'55), V. P., Analab Instrument Corp., 30 Canfield Rd., Cedar Grove, N. J.

 MARSH, OAVID S. (S'50-A'51-M'56), Physicist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 MARSH, DONALD R. (M'47), Microwave Design Engr., RCA, Camden, N. J.

 MARSH, EDWARD N. (M'57), Supvr., Tech. Services, Kellogg Switchboard & Supply Co., 600 W. 51 St., Chicago, 38, III.

 MARSH, ERNEST V. (S'56-M'56), Electronics Engr., Dept. of Defense, Washington, D.C.

 MARSH, GARELD E. (M'48), Dev. Project Engr., Schlumberger Well Surveying Corp., Box 2175, Houston, Tex.

 MARSH, HALLOCK S. (A'47-M'48), Communications Systems Engr., Lincoln Project, Cambridge Research Center, Hanscom AFB, Bedford, Mass.

 MARSH, J. MYRON (S'51-A'55), Supvr., Analog Computing Facility, Bettis Atomic Power Div., Westinghouse Elec. Corp., Box 14 66, Pittsburgh 30, Pa.

 MARSH, AMES A. (3'49-A'50-SM'53), Pres., Systems
- Box 1468, Pittsburgh 30, Pa.
 MARSH, JAMES A. (\$'49-A'50-SM'53), Pres., Systems
 Labs. Corp., 14852 Ventura Blvd., Sherman Oaks, Calif
 MARSH, JAMES H., JR. (A'54), V.P., Sales, Fusite
 Corp., 6000 Fermiew St., Clincinnati 13, Ohio.
 MARSH, KIRKE W. (M'47-SM'52), Genl. Project Mgr.,
 Bendix Aviation Corp., 11600 Sherman Way, North
 Hollywood, Calif.

- MARSH, KIRKE W. (M.47-SM-52), Genl. Project Mgr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 MARSH, RALPHA. (A'50-M'56), Mgr., Military & Direct Account Sales, Lenkurt Electric Co. of Canada, Ltd., Lougheed Hwy., North Burnaby, Vancouver, B.C., Canada. MARSH, RALPHH. (A'53), Chief Technician, RCA, 3210 Sylvania Ave., Toledo 12, Ohio.

 MARSH, RICHARD F. (S'49-A'52-M'57-SM'58), Mgr., Industrial Sales, Walter F. Marsh & Associates, Inc., 308 N. Scoville Ave., Oak Park, III.

 MARSH, ROBERT F. (S'47-A'50-M'57-SM'59), Assoc. Prof., Dept. Elec. Engrg., Norwich Univ., Northfield, Vt. MARSH, STEPHEN V. (A'49-M'55-SM'56), Mem. Tech. Staff, Space Technology Labs., 5730 Arbor Vitae St., Los Angeles 45, Calif.

 MARSH, WALTER F. (A'51), Pres., Walter F. Marsh & Associates, Inc., 308 N. Scoville Ave., Oak Park, III.

 MARSH, WILLIAM (A'47-M'55), Broadcast TV Field Sales RCA, 134 Peachtree St., N.W., Atlanta, Ga.

 MARSH, WILLIAM A. (A'37-M'55), Broadcast TV Field Sales RCA, 134 Peachtree St., N.W., Atlanta, Ga.

 MARSH, WILLIAM E. (A'36-VA'39-M'51), Field Engr., Tektronix, Inc., Box 831, Portland 7, Ore.

 MARSHALL, ARTHUR R. (S'49-A'49-M'55), Regional Field Engr., Mrsh., N.C.

 MARSHALL, BILL (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 MARSHALL, BLLL (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 MARSHALL, BLLL (M'55), Field Engr., RCA Service Co., Canden 8, N.J.

 MARSHALL, CECIL L. (M'58), 11526 W. Ricks Circle, Dallas 30, Tex.

- Co., Camden 8, N.J.

 MARSHALL, CHARLES H. (M'58), 11526 W. Ricks
 Circle, Dallas 30, Tex.

 MARSHALL, CHARLES H. (M'59), Mathematician, Wright
 Air Development Center, Wright-Patterson AFB, Ohio.
- Air Development Center, Wright-Patterson AFB, Ohio.

 MARSHALL, CHARLES J. ("31-A"33-SM"45-F"55), Staff Electronics Engr., Aerial Reconnaissance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 MARSHALL, OEREK R. J. (M"54), Mgr., Steers Equipment Co., Prescott & Bond, St. John's, Nifi., Canada.

 MARSHALL, DONALD E. (A"55), Mgr., Power Tube Dev. Engrg., Westinghouse Elec. Corp., Elmira, N.Y.

 MARSHALL, DONALD E., JR. (A"55), Elec. Engr., Philco Corp., C. & Tioga Sts., Philadelphia 34, Pg.

 MARSHALL, DOUGLAS R. T. (M"58), Applied Science Rep., IBM Co., Ltd., 629 7 Aev., S.W., Calgary, Alta., Canada.

 MARSHALL, DUIANE (S'53-M156), Day Engr., Day Canada.

- Canaoa.

 MARSHALL, DUANE (S'53-M'56), Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 MARSHALL, E. LEE (S'48-A'50-M'57), Engr., Johnson & Higgins, 311 California St., San Francisco, Calif.

 MARSHALL, EARL G. (A'45-M'49), Sr. Transmission Engr., Pacific Telephone & Telegraph Co., 760

 Market St., San Francisco 4, Calif.
- MARSHALL, ELLIS L. (A'36-VA'39), 10004 Chestnut Ave., Falls Church, Va.
- Ave., Fails United, Va.

 MARSHALL, FELIX M. (A'39-M'48), Dir., Communications
 & Electronics, Wright Air Development Field, Home: 950
 Las Pavadas Ave., San Rafael, Calif.

- Las Pavadas Ave., San Rafael, Calif.

 MARSHALL, FRANK C. (M'56), Elec. Engr., Christie
 Electric Corp.. 3410 W. 67 St... Los Angeles 43, Calif.

 MARSHALL, FRANK C., JR. (S'56-M'57), Collins Radlo
 Co., Cedar Rapids, Jowa.

 MARSHALL, FRANK S., JR. (S'51-A'55), Electronics
 Engr., Intermall. Electronics Mg. Co., 2nd St. Extended,
 Greenwood Acres, Annapolis, Md.

 MARSHALL, FRED R. (A'57), Communications Engr., Alert
 Communications, 227 W. St. Charles Rd., Villa Park, Ill.

 MARSHALL, FRED R. (S'43-A'45-M'55), Tech. Dir.,
 Electro-Optical Systems, Inc., 3016 E. Foothill Blvd.,
 Pasadena, Calif.

 MARSHALL, GFREGE B. (S'55-M'57), Flee, Engr., Publi
- MARSHALL, GEORGE B. (S'55-M'57), Elec. Engr., Public Service Co. of Colorado. 38 & Holly St.. Denver 7, Colo. MARSHALL, J. R. (A'54-M'55), Chief Engr. & V.P., Dielectric Prods. Engrg. Co., Inc., Raymond, Me.

- MARSHALL, JACK C. (M'59), Electronics Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. MARSHALL, JAMES A. (5'53-A'55), Standards Engr., Hewlett-Packard Co., 275 Mill Rd., Palo Alto, Calif. MARSHALL, JAMES C. (M'59), Project Engr., GE Co., HMED, Syracuse, N.Y. MARSHALL, JAMES F. (M'56), Transistor Engr., Transistor Div., Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.

- Minn.

 MARSHALL, JAMES H. (S'55-M'57), 1566 Middleneck
 Rd., Port Washington, L.I., N.Y.

 MARSHALL, JAMES L. (A'39-M'46), Asst. Transmission
 & Dev. Dngr., Canadian Broadcasting Corp., Box 10,
 Snowdon, Montreal, P.Q., Canada.

 MARSHALL, JOHN (A'55), Elec. Engr., Vickers, Inc.,
 Administrative & Engrg. Center, Detroit 32, Mich.

 MARSHALL, JOHN G., JR. (S'49-A'51-M'56), Test Engr.,
 IBM, Poughkeepsie, N.Y.

 MAPSHALL JOHN M. M'46), Mars. Advanced Day. &
- MARSHALL, JOHN N. (M'46), Mgr., Advanced Dev. & Digital Control Systems, RCA, Electronic Data Processing Div., Camden, N.J.
- DIV., Camden, N.J.

 MARSHALL, JOSEPH F. (M'45), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo, N.Y.

 MARSHALL, KENNETH R. (M'5B), Design Engr., Collins Radio Co., 1200 N. Alma, Richardson, Tex.

 MARSHALL, LAURISTON C. (SM'50), Dir., Research, Link-Belt Co., 220 S. Belmont Ave., Indianapolis 6. Ind.

- Engr., LI
- Engr., Librascope, Inc., 808 Westem Ave., Glendale 1, Calif.
 MARSHALL, ORVILLE H., (S'46-A'51-M'56), Sales & Planning Alrbome Electronics, Canadian GE Co., 830 Lansdowne Ave., Toronio 4, Ont., Canada.
 MARSHALL, PEYTON J., JR. (A'54), Engr., Westinghouse Elec. Corp., Parker Rd., Box 1897, Baltimore 3, Md.
 MARSHALL, RICHARD H. (M'57), Elec. Engr., Grumman Alcraft Engre. Corp., Bethaage, L.I., N.Y.
 MARSHALL, ROBERT A. (A'56), Dir., Sales, Federal Electric Corp., 621 Industrial Ave., Paramus, N.J.
 MARSHALL, ROBERT C. (M'56), Electronics Engr., AF Cambridge Research Center, Hansom Field, Masss.
 MARSHALL, ROBERT E. (S'54-M'956), Engr., Bendix Prods. Div., 400 S. Beiger, Mishawaka, Ind.
 MARSHALL, ROBERT L. (M'58), 10503 S. Julius Ave., Downey, Calif.
 MARSHALL, ROBERT R. (S'55-M'58), Dev. Engr., Avionics Div., Aerojet Genl. Corp., 6352 N. Inwindale Ave., Azusa, Calif.
 MARSHALL, ROBERT W. (M'44), Mem. Tech. Staff, Bell

- MARSHALL, ROBERT W. (M'44), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J. MARSHALL, RUSSELL (S'43-A'45-M'55), 1195 Coronet Ave., Pasadena, Calif.
- MARSHALL, SAMUEL L. (A'54), Editor, Electronic Servicing, Cowan Publishing Corp., 300 W. 43 St., New York 36, N.Y.
- Servicing, Cowan Publishing Corp., 300 W. 43 St., New York 36, N.Y.

 MARSHALL, STANLEY C. (A'51-M'56), V. P., Lando Advertising Agency, 197 Carlton House, Pittsburgh 19, Pa.

 MARSHALL, STANLEY V. (M'57), Engr., Bell Tel. Labs., 463 West St., New York, N.Y.

 MARSHALL, THOMAS G., JR. (S'51-A'53-M'58), Research Engr., RCA Labs., Princeton, N.J.

 MARSHALL, TOLA A. (A'43-M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 MARSHANL, DAVID N. (A'54), Partner, Marshank Sales Co., 7422 Melrose Ave., Los Angeles 46, Calif. MARSHANK, DAVID N. (A'57), Project Mor., Diamond Ordnance Fuze Labs., Washington 25, D. C.

 MARSINKAVAGE, DONALD M. (A'57), Field Engr., RCA Service Co., Camden, N. J.

 MARSLAND, HUGH W. (A'50), Owner, Hugh Marsland & Co., 6699 Lincoln Ave., Chicago 45, Ill.

 MARSLAND, JOHN W. (A'53), Sales Mgr., Marsland Engrg., Ltd., 154 Victoria St., South Kitchener, Ont., Canada.

 MARSMAN, JOHN H. (SM'57), Sr. Components Engr.,

- Canada.

 MARSMAN, JOHN H. (SM'57), Sr. Components Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MARSOCCE, MARIO R. (S'53-M'59), Elec. Engr., Reeves
 Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y.

 MARSOCCI, VELIO A. (S'50-A'55-M'58), Asst. Prof.,
 Elec. Engr., Stevens Institute of Technology, Hoboken, N.J.

 MARSOLAN, VERNON C. (SM'45), Sr. Electronics Engr.,
 Submarine Branch, USN Dept., Bureau of Ships, Navy

 Bidg., Washington 25, D.C.

- MARSTEN, JESSE (J'17-A'18-M'25-SM'43-F'57), Sr. V. P., Internati. Resistance Co., 401 N. Broad St., Philadelphia 31, Pa.
- MARSTEN, RICHARD B. (S'45-A'48-SM'54), Leader, Systems Projects, Missile & Surface Radar Dept., RCA, Moorestown, N. J.
- Moorestown, N. J.

 MARSTON, EDWARD J. (S'52-A'53-M'59), Mem. Tech.

 Staff, Hughes Alicraft Co., Tucson, Ariz.

 MARSTON, CARY A. (M'58), Sales Mgr., Spaulding Fibre
 Co., Inc., 8124 S. Western, Los Angeles 47, Callf.

 MARSTON, ROBERT J. (S'56-M'59), 1322 1st Ave.,
 N.E., Cedar Rapids, lowa.
- M.E., Cédar Rapids, Jowa.

 M.E., Cédar Rapids, Jowa.

 MARSTON, ROBERT S. (S'41-A'43-M'44), Pres., Teletronics Lab., Inc., 5 4 Kinkel St., Westbury, L.I., N.Y.

 MARSTON, WESLEY J. (S'51-A'52-M'57), Mem. Tech.
 Staff, Beil Tel. Labs., Whippany, N.J.

 MARSZALEK, HENRY L. (A'49), Electronics Engr., Inland
 Testing Labs., 6401 W. Oakton St., Morton Grove, Ill.

 MARTEELK, HENRY M. (A'33-A'439-M'55), Dean,
 School of Engrg., The Agricultural & Technical College,
 Greensboro, N.C.

 MARTEL, CHARLES W. (A'45-M'46-SM'48), Mgr.,
 Advertising & Sales Promotion, Semiconductor Div.,
 Raytheon Mfg. Co., Needham Heights, Mass.

 MARTEL, HARDY C. (S'51-A'53), Assoc. Prof., California
 Institute of Technology, 1201 E. California St., Pasadena,
 Calif.

 MARTELLO ANTHONY S. (Ma'56), Assoc. Engr., 1844

 MARTELLO ANTHONY S. (Ma'56), Assoc. Engr., 1844

- MARTELLO, ANTHONY S. (M'56), Assoc. Engr., IBM, Kingston, N.Y. MARTENS, GERT O. (S'56-M'57), 146 Glendale, Toronto 3, Ont., Canada.

- MARTENSEN, MELVIN D. (A'58), Radician, Federal Electric Corp., Streator, III.
- Electric Corp., Streator, III.

 MARTENSON, RICHARD B. (A'50), Sr. Engr., Sylvania
 Elec. Prods., Inc., 1740 Broadway, New York 19, N.Y.

 MARTENSSON, INGVAR, (M'58), Hognasvagen 5, 111
 Stockholm-Lidingo, Sweden.

 MARTES, GERALD E. (M'58), Antenna Engr., Electronic
 Specialty Co., 5121 San Fernando Rd., Los Angeles 39,
 Calif.
- Calif.

 MARTHENS, ARTHUR S. (M'45), Mathematical Statistician, USN Derk., Bureau of Ships, Washington 25, D.C.

 MARTI, NORMAN F. (A'53), Electronics Engr., Telecomputing Corp., 12B36 Saticoy, North Hollywood, Calif.

 MARTIN, ALBERT L. (M'59), Signal Sect., Hgrs. KMAG, APO 102, San Francisco, Calif.

 MARTIN, ALBERT L., JR. (S'56-A'57), Supvr., Process Engrs., Printed Wiring Assembly, Remington Rand Univac, St. Paul 16, Minn.

- MARTIN, ALBERT R. (A'59), Instr., Clarkson College of Technology, Potsdam, N.Y.

 MARTIN, ALBERT V. J. (SM'56), Asst. Prof., Elec. Engrg. Deot., Carnegie Institute of Technology, Schenley Park, Pittsburgh 13, Pa.
- MARTIN, ALFRED E. (S'40-A'43-M'47-SM'49), Dir., Training, Polarad Electronics Corp., Long Island City, N.Y. Training, Polarao Electronics Corp., Long Islamo Lity, N.Y.
 MARTIN, ALFRED P. (M'57), Electronics Engr., Engineered
 Magnetics, 13041 Cerise Ave., Hawthome, Calif.
 MARTIN, ALFRED P., JR. (M'59), Sr. Electronics Engr.,
 Litton Industries, Calvert Rd., College Park, Md.
 MARTIN, ALLEN R. (A'57), 130–39 230 St., Jamaica
 13, L.I., N.Y.
 MADTIN, ADMOND G. (C'55-M'57), ASSOC Engr., Oweno
- MARTIN, ARNOLD G. (S'55-M'57), Assoc. Engr., Owego,

- N.Y.

 MARTIN, ARTHUR C. (M'45), Mgr., Tech. Publications, Westinghouse Elec. Corp., Electronics Div., Box 1896, Baltimore 3, Md.

 MARTIN, ARTHUR J. (A'52), Tech Rep., Electronics Div., Monroe Calculating Machine Co., Orange, N.J.

 MARTIN, ARTHUR L., II (A'55), Project Engr., Cox & Co., Inc. . 115 E. 23 St., New York 10, N.Y.

 MARTIN, BENN D. (M'58), Research Engr., Telemetry, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.

 MARTIN, BERL W. (M'59), Electronics Engr., USAF, Patrick AFB, Fla.

 MARTIN, BOB A. (S'48-A'50-M'56), Elec. Engr., Box
- MARTIN, BOB A. (S'48-A'50-M'56), Elec. Engr., Box 2330, Houston 1, Tex. MARTIN, C. LYNDON (S'56-M'57), Assoc. Engr., IBM, Owego, N.Y.
- Owego, N.Y.

 MARTIN, CHARLES A. (S'34-A'3B-VA'39-SM'56), Radio
 Research Engr., RCA Labs., Rocky Point, L.I., N.Y.

 MARTIN, CHARLES B. (A'49-SM'53), Electronics Engr.,
 Victor Adding Machine Co., 3900 Rockwell, Chicago 18,
- MARTIN, CHARLES E. (A'54), Electronics Research Engr., Lockheed Missile & Space Div., Box 504, Sunnyvale, Calif. MARTIN, CHARLES E. (S'55-M'56), Lt., USN, Bureau of Ships Program Officer, Naval Radiological Defense Lab., San Francisco 24, Calif.
- MARTIN, CHARLES T., JR. (M'58), Project Engr., USAF, Rome Air Development Center, Griffiss AFB, N.Y.
 MARTIN, CHESTER F. (A'37-VA'39-M'57), Pres., Martin
 TV, Inc., Box 4157, 1508 Cerrillos Rd., Santa Fe, N.M.
- MARTIN, DALTON W. (M'55), Engr., Stanford Research Institute, Menlo Park, Calif. MARTIN, DANIEL W. (M'50-SM'54-F'57), Asst. Chief Engr., The Baldwin Piano Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.
- MARTIN, DAVID O. (S'47-A'51-M'53-SM'57), Mgr. Research & Dev. II, Collins Radio Co., 1930 Hi Line Dr., Dallas 2, Tex.
- MARTIN, DAVID P. (M'53), Mem. Tech. Staff, Thompson-Ramo-Wooldridge Corp., 5500 El Segundo Blvd., Los Angeles, Calif.
- Angeles, Calif.

 MARTIN, DAVID W. (A'44-SM'47), Mgr., Govt. Div.,
 The Magnovox Co., 2131 Bueter Rd., Ft. Wayne 4, Ind.

 MARTIN, 0E LOSS K. (A'14-M'26-SM'43/L), Consulting
 Engr., 1320 Ft. Meyer Or., Arlington 9, Va.

 MARTIN, 0EVEREAUX (A'36-V4)39-M'55-SM'55), Asst.
 to Mgr., Prod. Engrg., Hughes Aircraft Co., Box 90902,
 Los Angeles 45, Calif.

 MARTIN, DOMALD I. (SEC AIGS
- MARTIN, DONALD L. (S'50-A'52-M'57), Dir., Research & Oev., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif.
- & Dev., Collins Radio Co., 2700 W. Olive Ave.,
 Burbank, Calif.

 MARTIN, 00NALD M. (S'57-M'58), Prod. Administrator,
 Lear, Inc., 110 Ionia, Grand Rapids, Mich.

 MARTIN, 00NALD R. (M'58), 1040 Blucher Ave.,
 Granada Hills, Calif.

 MARTIN, DONALD W. (A'40-M'55), Test Equipment Engr.,
 Delico Radio Div., GMC, 700 E. Firmin, Kokomo, Ind.

 MARTIN, EARL E. (A'46), Field Engr., The Teleregister
 Corp., 445 Fairfield Ave., Stamford, Conn.

 MARTIN, EARL O. (S'47-A'47-M'55), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N. J.

 MARTIN, EDGAR T. (A'48-SM'52), Engro. Mgr.,
 Broadcasting Service, U.S. Information Agency, 330
 Independence Ave., Sw., Washington, D.C.

 MARTIN, EDWARD A. (S'55-M'56), Asst. Prof., Elec.
 Engro., Univ. of Michigan, Ann Arbor, Mich.

 MARTIN, EDWARD B. (M'57), Chief Elec. Engr. (Plant

- MARTIN, EDWARO E. (M'57), Chief Elec. Engr. (Plant Engrg.), Cleveland Twist Drill Co., 1242 E. 49 St., Cleveland, Ohio.
- Cleveland, Ohio.

 MARTIN, EDWARO H. (M'58), Electronics Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 MARTIN, EDWIN J., JR. (S'50-A'51-M'56-SM'58), Sr.
 Electronics Research Engr., Electronics Research Lab.,
 Kansas Univ., Research Foundation, Lawrence, Kan.
- Kansas Univ., Research Foundation, Lawrence, Ran.

 Kan.

 MARTIN, EOWIN L. (A'57), Pres., Ed Martin & Co., Inc.,
 1306 Vassar Rd., Richmond 29, Va.

 MARTIN, ELBY D., JR. (M'59), Sr., Military Relations
 Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.

 MARTIN, EMIL L. (A'49-M'54-SM'57), Sr. Asst. Engr.,
 Collins Radio Co., Cedar Rapids, Iowa.

 MARTIN, EUGENE J. (M'50), Administrative Engr.,
 Sperry Gyroscope Co., Great Neek, L.I., N.Y.

 MARTIN, FERNAND F. (M'58), Leader, Engrg. Systems
 Projects, RCA, Camden, N.J.

 MARTIN, FRANCIS C. (S'50-A'53-M'58), Research
 Electronics Engr., Cornell Aeronautical Lab., Inc.,
 4455 Genesee, Buffalo 21, N.Y.

- MARTIN, FRANCIS C., JR. (A'48-M'55), Digital Project Engr., Kin-Tel Electronics, 5725 Kearny Villa Rd., San Diego 12, Calif.
- San Diego 12, Calif.

 MARTIN, FREDERICK J. (M'58), Sales Mgr., Conway Electronic Enterprises Reg'd., 1514 Eglinton Ave., W., Toronto, Ont., Canada.

 MARTIN, GEORGE B., SR. (A'55), Car Inspector, New York & New Haven & Hartford RR Co., Maybrook, N.Y.

 MARTIN, GEORGE E. (S'48-A'50-M'58), Supvy. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 MARTIN, GEORGE H. (S'43-A'48), Pres., Electronics Engr., Inc., Box 100B, Brownsville, Tex.

 MARTIN, GEORGE H. (M'56), Elec. Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.

 MARTIN, GEORGE H. (M'58-SM'43), Mgr., Gulf Oistrict, RCA, Radiomarine Sales, 500 St., Peter St., New Orleans, La.

 MARTIN, GEORGE M. (S'55-M'56), Engr., Westinghouse

- RCA, Radiomarine Sales, DUO St. Peter St., New Orleans, La.

 MARTIN, GEORGE M. (S'55-M'56), Engr., Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore, Md.

 MARTIN, GORDON E. (A'49-SM'55), Physicist, Head, Electromagnetic Transducers, USN Electronics Lab., San Oiego 52, Calif.

 MARTIN, GREGRY L. (A'55), Engrg. Specialist, Goodyear Aircraft Corp., Litchfield Park, Ariz.

 MARTIN, GUY M., JR. (A'55-M'58), Sales Mgr., Microdot, Inc., 220 Pasadena Ave., South Pasadena, Calif.

 MARTIN, H. B. (A'30-SM'41), Administrator, Radiomarine Prod. Planning, RCA, Camden 2, N. J.

 MARTIN, H. RICHARD (A'50). GE Co... Syracuse, N. Y.

 MARTIN, HAROLD T. (A'56), Sound Engr., Northern Sound Service. Minocqua, Wis.

 MARTIN, HENRY E. (S'51-A'53-M'57), Project Oesign Engr., Hamilton Standard Div., United Aircraft, Windsor Locks, Conn.

 MARTIN, HERBERT H., JR. (A'51), Research Engr.,

- Engr., Hamilton Standard Div., United Aircraft, Windsor Locks, Conn.

 MARTIN, HERBERT H., JR. (A'51), Research Engr., Seismograph Service Corp., Box 1590, Tulsa, Okla.

 MARTIN, HOWARD B. (S'48-A'50-M'55), Electronics Engr., Naval Air Oevelopment Center, Johnsville, Pa.

 MARTIN, J. 8RUCE (A'54), Project Engr., IBM, Poughkeepsie, N.Y.

 MAPTIN, J. Lât'2ANCF (A'43-M'49), Chief Engr., Martin Industries, 507 Alabama St., Amarillo 2, Tex.

 MARTIN, JAMES A. (A'58), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 MARTIN, JAMES E. (M'56), Supwr., 5 Star Tubes-Process Engrg., GE Co., 319 E. 9'St., Owensboro, Ky.

 MARTIN, JAMES E. (M'56), Supwr., 5 Star Tubes-Process Engrg., GE Co., 319 E. 9'St., Owensboro, Ky.

 MARTIN, JAMES D. (A'50-M'54), Officer-in-Chg., Clear Creek Radio Range Sta., R.R. 2, Port Rowan, Ont., Canada.

 MARTIN, JAMES W. (A'54), Project Engr., Systems Engrg., RCA, Missilc Test Project, Patrick AFB, Fla.

 MARTIN, JAMES W. (S'57-M'59), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 MARTIN, JOHN A. (S'52-A'53-M'158), Engr., Westinghouse Elec., Corp., Friendship Internati. Airport, Baltimore 27, Md.

 MARTIN, JOHN A. (S'56-M'57), Engr., Ford Instrument

- house Élec, Corp., Friendshio Internati. Airport, Baltimore 27, Md.

 MARTIN, JOHN A. (5'56-M'57), Engr., Ford Instrument Co., 30-10 41 Ave., Long Island City 1, N.Y.

 MARTIN, JOHN O., JR. (S'57-M'58), Elec. Engr., Convair-Astronautics, Cape Canaveral, Fla.

 MARTIN, JOHN E. (M'55), Head, Antenna & Microwave Sect., Research Div., United Shoe Machinery Corp., Balch St., Beverly, Mass.

 MARTIN, JOHN F. (S'51-M'52-M'57), Avionics Project Asst., Bueau of Aeronautics, USN, Washington 25, D.C.

 MARTIN, JOHN F. (S'51-A'52-M'57), Sales & Contracts Mgr., Commercial Prods. Div., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P. Q., Canada.

 MARTIN, JOHN L. (A'46-M'55), Engr., Sect. Head, Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 MARTIN, JOHN L. (M'55), Engr., Bell Tel. Co. of Pennsylvania, 1317 Filbert St., Philadelphia 7, Pa.

 MARTIN, JOHN R. (M'54), Assoc. Prof., Elec. Engr., Case Institute of Technology, 10900 Euclid Ave., Cieveland 6, Ohio.

 MARTIN, JOHN R. (A'57), Lab., Technician, Oe Wald

- Cieveiand 6, Ohio.

 MARTIN, JOHN R. (A'57), Lab. Technician, Oe Wald Radio Co., 35-15 37 Ave., Long Island City, N.Y.

 MARTIN, JOHN T. (S'56-M'58), Jr. Engr., Westinghouse Elec. Corp., 80x 1797, Baltimore 3, Md.

 MARTIN, JOHN W. (S'56-M'577, Elec. Engr., Danly Machine Specialties, Inc., 2100 S. Laramie Ave., Chicago 50, III.

- MARTIN, JOHN W. (M'58), Project Engr., Bendix Radio Oiv., Towson, Md. MARTIN, JOSEPH A. (A'51), 214 Victoria Ave., North Charleston, S.C. MARTIN, JOSEPH E. (S'49-A'54-M'57), Elec. Engr., U.S. Army Signal Research & Oevelopment Lab., Ft. Manmouth, N.J.
- MARTIN, KARL H. (A'36-SM'45), Physicist, Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- MARTIN, KEITH 8. (\$157-M159), Engr., Hughes Aircraft Co.. Culver City, Calif. MARTIN, KEITH L. (A153), Applications Engr., Arinc Research Corp., 1700 K St., N.W., Washington 8, D.C.

- D.C.

 MARTIN, LEROY C. (S'56-M'59), Mem. Tech. Staff,
 Hughes Aircraft Co., Tucson, Ariz.

 MARTIN, LEWIS 8. (S'53-A'54), Mem. Tech. Staff,
 Space Technology Labs., 5500 W. El Segundo Sird.,
 Los Angeles 45, Calif.

 MARTIN, LINOEN H. (A'48-SM'54), Regional Engr., New
 Zealand Broadcasting Service, Box 888, Dunedin, New
 Zealand.
- Zealand.

 MARTIN, LOUIS (M'44-SM'47), Genl. Sales Mgr., Westinghouse Elec. Corp.. Elmira. N.Y.

 MARTIN, LOUIS H. (A'55), Sr. Staff Engr., Croeley Div, Avco Mfg. Co., 750 Commonwealth Ave., Boston, Mass.

 MARTIN, LYNN E. (S'56-M'59), Electronics Engr., Convair-Astronautics, San Diego 12. Calif.

 MARTIN, MARCEL A. (A'54), Mgr., Data Processing & Engr., Investigations, Missile & Space Vehicle Dept., GE Co., 3198 Chestruk St., Philadelphia 4, Pa.

 MARTIN, MELVIN 8. (M'56), Engr., Grumman Engrg. Co., Bethpage, L.I., N.Y.

- MARTIN, MERVYN M. (A'51-M'56), Electronics Engr., FAA, Box 1082, Oklahoma City, Okla.

 MARTIN, NEVILLE (M'56), Chief Electronics Engr., Stewart Warner Corp. of Canada, Ltd., Belleville, Ont., Canada.

 MARTIN, ORVAL J. (S'55-M'56), Electronics Engr., Toledo, Scale Co., Telegraph Rd., Toledo, Ohio.

 MARTI, ORVILLE L. (M'47), Chief Engr., Electronics Shore Div., Bureau of Ships, Navy Oept., Washington 25, D.C.

- Since DIV., Buteau bi Sincy, Newy John, News, New John, No. D. C.

 MARTIN, PAUL E. (S'56-M'58), Research Engr., Univ. of Texas, Austin, Tex.

 MARTIN, PAUL E. (A'49-M'57), Staff Engr., Research & Dev. Dept., Kollsman Instrument Corp., 80-08 45 Ave., Elmhurst 73, L.1., N.Y.

 MARTIN, PAUL J. (A'46-M'55), Tech. Analyst, Office of Chief of Naval Operations, Washington 25, D.C.

 MARTIN, PAUL S. (M'47), Patent Atty., Federal Pacific Electric Co., 50 Paris St., Newark 1, N.J.

 MARTIN, PHILIP T. (A'54-M'57), Elec. Engr., Industrial Nucleonics, 1205 Gresapeake Ave., Columbus 12, Ohio.

 MARTIN, PHILIP W. (A'49-M'55), Dir., Electronics Research, McCuldough Tool Co., 5820 S. Alameda, Los Angeles 58, Calif.

 MARTIN, PIERRE E. (A'51-M'56), Pres., Consolidated

- MARTIN, PHILIP W. (A'49-M'55), Dir., Electronics Research, McCulough Tool Co., 5820 S. Alameda, Los Angeles 56, Calif.

 MARTIN, PIERRE E. (A'51-M'56), Pres., Consolidated Engrg. Service Co., Anherst, N.H.

 MARTIN, RALPH A. (M'56), Engr., Raytheon Mfg. Co., Lowell, Mass.

 MARTIN, RAY L. (A'47-SM'54), Elec. Engr., Bendix Aviation Corp., Kansas City 41, Mo.

 MARTIN, RICHARD B. (A'55), Engr., The Hallicrafters Co., 5 Ave. & Kostner, Chicago, III.

 MARTIN, RICHARD B. (A'55), Design Engr., Famsworth Electronics Co., Ft. Wayne, Ind.

 MARTIN, RICHARD R. (A'48-M'55-SM'57), Mgr., Systems Engra. & Plannina, IBM, Yorktown, N.Y.

 MARTIN, RICHARD T. (M'59), Chief Elec. Engr., The Dahlberg Co., 7731 6 Ave., N., Minneapolis 27, Minn.

 MARTIN, ROBERT A. (M'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MARTIN, ROBERT D. (A'41-M'47-SM'56), U. S. Govt., Washington, D.C.

 MARTIN, ROBERT C. (A'58), Staff Engr., Automatic Electric Sales Corp., Northlake, III.

 MARTIN, ROBERT E. (M'50-SM'54), Sect. Head, Genl. Purpose Tubes & Applications Sect., Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

 MARTIN, ROBERT E. (M'50-SM'54), Sect. Head, Genl. Purpose Tubes & Applications Sect., Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

 MARTIN, ROBERT E. (A'55), Engr., Electronics Design, Canadai, Ltd., Box 6087, Montreal, P.Q., Canada.

 MARTIN, ROBERT F. (S'57-M'58), Data Communications Systems Engr., Collins Radio Co., 2700 W. Olive, Burbahk, Calif.

 MARTIN, ROBERT N. (S'54-M'59), Instr., Northeastem Univ., Boston 15, Mass.

- bank, Calif.

 MARTIN, ROBERT N. (S¹54-M¹59), Instr., Northeastem
 Univ., Boston 15, Mass.

 MARTIN, ROBERT W. (M¹56), Mngt. & Engrg. Consultant,
 10111 Woodman Ave., San Fernando, Calif.; Pres., Physical Measurements Corp., Wilmington, Del.; Dir., The
- State Measurements Copp., virtualization of the State Martin, ROBERT W. (M!56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 MARTIN, RONALD H. (A!54), Design Engr., Canadian Westinghouse Co., Longwood Rd., Hamilton, Ont.,
 Canada.
- MARTIN, RONALD H. (A'54), Design Engr., Canadian Westinghouse Co., Longwood Rd., Hamilton, Ont., Canada.

 MARTIN, ROY L. (S'55-M'56), Test "A" Engr., Associated Missile Prods. Corp., 2709 N. Gary Ave., Pomona, Calif. MARTIN, SIDNEY A., JR. (A'44-M'46), Sr. Research Geophysicist, Humble Oil & Refining Co., 80x 2180, Houston 1, Tex.

 MARTIN, STEPHEN (M'58), Pres., Engrg. Associates, Inc., 720 Dupont Plaza Center, Miami 32, Fia.

 MARTIN, STEPHEN J. (S'40-A'45-M'55), Tube Application Engr., RCA, 415 S. 5 st., Harrison, N.J.

 MARTIN, STUART T. (SM'47), Pres., Mt. Mansfield Television, Inc., 80x 608, Burlindon, Vt.

 MARTIN, THEODORE E. (A'54), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Cowney, Calif.

 MARTIN, THOMAS A. (M'56), Asst. Prof., Elec. Engrg., Rensselear Polytechnic Institute, Troy. N.Y.

 MARTIN, THOMAS A. (S'55-M'58), Erigr., MIT, Instrumentation Lab., Cambridge, Mass.

 MARTIN, THOMAS J. (S'48-A'51-M'56), Electronics Engr., USN, Bureau of Aeronautics, Washington 25, D.C.

 MARTIN, THOMAS J. (S'48-A'51-M'56), Electronics Engr., USN, Bureau of Aeronautics, Washington 25, D.C.

 MARTIN, THOMAS J. (S'48-A'51-M'56), Electronics Engr., USN, Bureau of Aeronautics, Washington 25, D.C.

 MARTIN, VICTOR G. (SM'44), Design Specialist, Lockheed Missile Systems Div., Sumyvale, Calif.

 MARTIN, WS. TANTON (M'40), Pres., Fidelity Amplifier Co., 1633 N. Halsted St., Chicago 14, Ill.

 MARTIN, WALTER A., M('58), Engr., Dept., Mine Safety Appliances Co., 201 N. Braddock Ave., Pittsburgh 8, Pa.

 MARTIN, WELOON W. (A'51), Research Ass., Nortronics Div., Northrop Aircraft, Inc., Hawthome, Calif.

 MARTIN, WILLIAM C. (A'59-M'58), Chief, Oata Collection Sect., Missile Test Track Oiv., Instrumentation Branch, USAF, Holloman ADC, N.M.

 MARTIN, WILLIAM L. (A'49-M'58), Sier, Oata Collection Sect., Missile Test Track Oiv., Instrumentation Branch, USAF, Holloman ADC, N.M.

 MARTIN, WILLIAM L. (A'49-M'59), Ener. Engr., Melpar, Inc., 3000 Arlington Blud., Falls Church, Va.

 MARTIN, WILLIAM L. (A'49-M'59), Sier, Pipro, New York, N

- N.Y.

 MARTIN, WILLIAM R. (A'47-SM'54), Chief Engr., R.S.
 Div., Electronic Specialty Co., 5121 San Fernando Rd.,
 Los Angeles 39, Calif.

 MARTIN, WILLIAM R. (M'54), Mem. Tech. Staff, RamoWooldridge Corp., Los Angeles 45, Calif.

 MARTIN, WILLIE E. (M'56), Aerophysics Engr., Convair,
 FI Worth. Tex.
- Fl. Worth, Tex.

 MARTINAZZOLI, ARMANDO (A'55), Process Control
 Oesign & Engrg., Snam Progetti S.p. A., San Donato,
 Milano, Italy.

- MARTINDALE, NEWMAN B. (A'52), Mem, Equipment Group, AT&T Co., 415 Clay St., Jacksonville, Fla. MARTINELL, RONALD E. (S'55-M'56), Staff Mem., Sandia Corp., Box 969, Livermore, Calif. MARTINELLI, ANTHONY A. (A'55), Sales Engrg., Technicraft Labs., Inc., Thomaston, Conn. MARTINELLI, ANTHONY A. (A'55), Sales Engrg., Technicraft Labs., Inc., Thomaston, Conn. MARTINELLI, CIRO C. (SM'46), Research Engr., RCA Labs., Princeton, N.J. MARTINES, LAWNENCE T. (M'58), Engr., Sperry Gyroscone Co., Great Neck, L.I., N.Y. MARTINEZ, DANILO C. (S'57-A'58), Engr., Vickers, Inc., 1815 Locust St., St. Louis 3, Mo. MARTINEZ, DANILO C. (S'58-A'58), 37-58 86 St., Jackson Heights 72, Ll., N.Y. MARTINEZ, EMIL P., JR. (S'58-A'58), 37-58 86 St., Jackson Heights 72, Ll., N.Y. MARTINEZ, HUGO M. (A'54), Sr. Project Engr., Dalmotor Oiv., Yuba Consolidated Industries, Inc., 1375 Clay St., Santa Clara, Calif. MARTINEZ, JORGE (A'47), Electrotecnico, Chacabuco 1525, Buenos Aires, Argentina. MARTINEZ, JOSEPH (S'57-A'58), 3233 Summit St., Kansas City 11, Mo. MARTINEZ, MANUEL, JR. (S'55-M'58), Electronics Engr., Convair-Astronautics, San Oiego, Calif. MARTINI, ROBERT F. (S'51-A'54), Instrumentation Engr., Lockheed Missile System Div., Box 504, Sunnyvale, Calif. MARTINI, ROGER G. (S'55-M'56), Microwave System Dev. Engr., Motorola, Inc., 1400 N. Cicero Ave., Chicago 51, Ill.

- Engr., Motorola, Inc., 1400 N. Cicero Ave., Chicago 51, III.

 MARTINO, JOSEPH P. (M'56), 391 Arcadia Ave., Columbus 2, Ohio.

 MARTINO, LOUIS J. (A'55), Motorola, Inc. 4545 W. Augusta, Chicago, III.

 MARTINSON, CURTIS D. (S'52-A'53), Electronics Instr., USCG Training Sta., Groton, Conn.

 MARTINSON, FRED L. (SM'55), V.P., Engrg., Electronic Associates, Inc., Long Branch, N.J.

 MARTINSON, GLENN O. (M'57), Test Engr., Hughes Aircraft Corp., Tucson, Ariz.

 MARTINSON, LLOYD W. (S'55-M'58), Mem. Tech. Staff, Bell 1el. Labs., Whippäany, N.J.

 MARTINSON, OSCAR M. (A'53), Consulting Engr., 1947 Broadway, New York 23, N.Y.

 MARTINSON, ROBERT M. (A'52-M'57), Staff, MIT, Project Lincoln, Cambridge, Mass.

 MARTIN-VEGUE, CHARLES A. (M'57), Sr. Engr., Contineral Electronics Mfg. Co., 4212 S. Buckner, Dallas 27, Tex.

 MARTIRE, JOHN A. (S'53-A'54), Acc., Sala, France, Contineral Contin

- ental Electronics Mig. Co., 4212 S. Dickner, Dahlas 21, Tex.

 MARTIRE, JOHN A. (S'53-A'54), Asst. Sales Engr., GE Co., 3 Penn Center Plaza, Philadelphia 2 Pa.

 MARTJUSHOV, KONSTANTIN I. (A'57), Chief of Dept., Committee on Radio & Electronics of the USSR, Kitalskii Proezd 7, Moscow, U.S.S.R.

 MARTOCCIA, FRANK, JR. (M'58), Standards Engr., Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.

 MARTONE, FRANK P. (A'56), 5050 Comm. Maint. Sq., APO 942, Seattle, Wash.

 MARTS, BOYO C. (S'56-M'57), 5800 Adams St., Lincoln 4, Neb.

 MARTS, MORTON P. (M'56), 1st Lt., USAF, Navigator-Bombardier, Dept. of Oefense, 379 Bom Ron, Schilling AFB, Kan.

- Bombardier, Dept. of Oetense, 379 Bom Ron, Schilling AFB, Kan.

 AFB, Kan.

 MARTZ, ARTHUR F., JR. (A'50-M'56), Research Engr , Whirlpool Corp., 3'00 Broad St., St. Joseph, Mich.

 MARUSICH, EMIL A. (M'58), Elec. Engr., Westinghouse Elec. Corp., Pittsburgh, Pa.

 MARVEN, EGGAR L. (M'4B), Certification & Dev. Engr., The Girdler Process Equipment Oiv., Cheretron Corp., 3'34 E. Broadway, Louisville 1, Ky.

 MARVIN, ADDISON L., JR. (S'55-M'57), Pilot, US AF, Box 24, 46th Air Rescue Sadn., Otis AFB, Mass.

 MARVIN, DOISON L., JR. (S'55-M'57), Pilot, US AF, Box 24, 46th Air Rescue Sadn., Otis AFB, Mass.

 MARVIN, LOYD E. (S'57-M'59), Research Engr., Autonetics Div., No. Amer. Aviation, Oowney, Calif.

 MARVIN, HARRY 8. (M'31-SM'43-F'50), Retired, 485

 Buckingham Ave., Syracuse 10, N.Y.

 MARVIN, PETER K. (M'56), Electronics Engr., U.S.

 Naval Air Missiel Test Center, Point Mugu, Calif.

 MARVIN, PHILIP R. (SM'52), Div. Mgr., American

 Management Assn., 1515 Broadway, New York, N.Y.

 MARX, ALBERT C. (M'55), Sr. Project Engr., Inland

 Testing Labs.. Morton Grove, Ill.

 MARX, AUSTIN F. (A'55-M'56), Eastern Regional Mgr.,

 Berkeley Div., Beckman Instruments, U.S. Hwy. 22 at

 Summit Rd., Mountainside, N.J.

 MARX, OONALD H. (S'49-A'51-M'56), Electronics Engr., II.S. Amwassirnal Beacapth & Development Lab. Ft.

- Summit Rd., Mountainside, N.J.
 MARX, OONALD H. (S'49-A'51-M'56), Electronics Engr.,
 U.S. Army Signal Research & Development Lab., Ft.
 Mommouth, N.J.
 MARX, ERNEST A. (A'44-SM'53), Oir., Internatl. Div.,
 Allen 8. Dumont Labs., Inc., 515 Madison Ave., New
 York 22, N.Y.
 MARX, FRANK L. (A'41-SM'47), V.P.-in-Chg., Engrg.,
 American Broadcasting Co., 7 W. 66 St., New York 23,
 N.Y.

- American Broadcasting Co., 7 W. 66 St., New York 23, N.Y.

 MARX, JULIUS (SM'55), Sr. Engr., American Bosch
 Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.

 MARX, THOMAS I. (M'58), Research Engr., Midwest Research Institute, 425 Volker Blvd. Kansas Citv 10. Mo.

 MARYESKI, WILLIAM P. (S'54–M'156), Engr., Sylvania
 Electronics Defense Lab., 80x 205, Muntain View, Calif.

 MARYGOLO, GEDRGE E. (A'52), Chief Engr., Tech.
 Associates, 140 W. Providencia Ave., Burbank, Calif.

 MARYON, MILTON K. (A'57), Logic Designer, TheissBrand, 2400 Thames Dr. Westhurv L.I., N.Y.

 MARZ, PAUL A. (S'55–M'57), Naval Inspector of Ordnance,
 400 S. Beiger St., Mishawaka, Ind.

 MARZETTA, LOUIS A. (A'54–M'56), Project Engr., Natl.

 Bureau of Standards, Washinoton 25, D. C.

 MARZOLI, ARMANDO (M'57), Project Engr., ITT Labs.,
 Nutley 10, N.J.

 MARZOTTO, ESIO J. (A 58), TV Technician, Western
 Ontario Broadcasting Co., Ltd., Riverside Dr., Windsor,
 Ont., Canada.

 MARZULLO, SAMUEL (A'56), Physicist, Natl. Bureau of

- Unt., Canada.
 MARZULLO, SAMUEL (A'56), Physicist, Natl. Bureau of
 Standards, Connecticut & Van Ness Sts., Washington, D.C.
 MASAK, RAYMOND J. (S'57-A'58), Assoc. Engr., Sperry
 Gymscope Co., Great Neck, L.I., N.Y.

MASAVAGE, IRWIN R. (A'57), Project Engr., Industrial Television, Inc., 369 Lexington Ave., Clifton, N.J. MASCALL, ARTHUR L. (M'57), Chief, Organization & Administration, Electronics Dept., Bruce Pebbles & Co., Ltd., Edinburgh 5, Scotland.

MASCETTI, BASILIO J. (M'56), Engr., Spruce Pebbles & Co., Ltd., Edinburgh 5, Scotland.

MASCETTI, BASILIO J. (M'56), Engr., Sperry Gyroscope Co., Glen Cove Rd., Carle Place, L.I., N.Y.

MASCHING, ROBERT G. (A'50-M'54-SM'58), Research Engr., Lockheed Missile & Space Div., Sunnyvale, Calif.

MASCOLI, VINCENT J. (S'55-A'55), Elec. Engr., Design, RCA, Camden 2, N.J.

MASEK, JAMES R. (A'53), Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III.

MASEK, ROLAND C. (SM'56), Engr., The Hass Instrument Corp., 5476 Forrestville Rd., Washington 28, D.C.

MASEN, FROLAND C. (SM'56), Engr., The Hass Instrument Corp., 5476 Forrestville Rd., Washington 28, D.C.

MASEN, FRANK A. (A'57), Tech. Facilities Engr., KDKA-TV, 1 Gateway Center, Pittsburgh 22, Pa.

MASER, HAROLD (M'42-SM'43), Mgr., Education & Trailning, Internati. Sec Co., 150 E. 42 St., New York 17, N.Y.

MASER, JAND, JOSEPH (M'55), Mem. Tech. Staff, Hughes

MASIAN, GEORGE F. (A'44-M'46-SM'55), Pev. Div. II, Naval Ordnance Lab., Corona, Calif.

MASION, CHARLES J., JR. (A'55-M'55), Pev. Div. II, Naval Ordnance Lab., Corona, Calif.

MASIA, JAMES T., JR. (S'54-A'57), Electronics Systems Engr., Lockheed Aircraft Corp., Marletta, Ga.

MASHER, DALE P. (M'54), Research Engr., Stanford Research Institute, Menlo Park, Calif.

MASI, JOSEPH L. (S'57-M'59), Project Engr., Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

MASIN, GEORGE F. (A'44-M'46-SM'55), Dev. Div. II, Naval Ordnance Lab., Corona, Calif.

MASISON, CHARLES J., JR. (A'55-M'58), Sr. Engr., Sylvania Elec., Prods., Inc., 189 "B" St., Needham, Mass.

MASKALERIS, CHRISTOS L. (S'49-A'51-M 56), Electronic Scientist, Naval Research Labs., Washington 20, D.C.

World Scientst, Naval Research Labs., Washington 20, D.C.

MASKELL, RONALD F. (A'56), Purch. Agent, Isotone Prods., Ltd., Oakville, Ont., Canada.

MASKELL, WILLIAM A. C. (SM'55), Genl. Mgr., GE Co., Ltd., Spon St., Coventry, England.

MASLAK, MICHAEL (M'55), Engr., GE Co., 600 Main St., Johnson City, N.Y.

MASLINE, EDWARD J. (M'56), District Rep., Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

MASLOWSKI, RICHARD S. (M'56), Engrg. Asst., Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 26, Mich.

MASNACHETTI, RAYMOND K. (S'52-A'53-M'58), Mgr., Research & Analysis Dept., Stavid Engrg., Inc., Rte. 22, Plainfield, N.J.

MASNIK, MICHAEL JR. (A'47-M'55), Patent Attv., GE

Research & Analysis Dept., Stavio Engrg., Inc., Rte. 22, Plainfield, N.J.

MASNIK, MICHAEL, JR. (A'47-M'55), Patent Atty., GE Co., Syracuse, N.Y.

MASON, ALBERT E., JR. (S'48-A'51-M'58), Sr. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

MASON, ALBERT F., JR. (A'47-M'55), Mgr., Kerrville Broadcasting Co., Junction Hwy., Kerrville, Tex.

MASON, CHARLES D. (A'55-M-55), Electronics Engr., FAA, Washington 25, D.C.

MASON, CHARLES F. (A'53), Electronics Engr., Farnsworth Electronics Co., Ft. Wayne, Ind.

MASON, CHARLES R. (S'58-A'58), Electronics Technician, Tung-Sol Electric Co., Bloomfield, N.J.

MASON, CLIFFORD A. (S'56-M'59), Electronics Engr., EDO Corp., College Point 56, L.I., N.Y.

MASON, CURTIS W. (A'26-M'47-SM'55), Co-Chief Engr., KFI, Earle C. Anthony, Inc., 141 N. Vermont Ave., Los Angeles SA, Calif.

MASON, DEAN F. (A'50-M'56), Sr. Dev. Engr., Goodyear

Angeles 54, Calif.

MASON, DEAN F. (4'50-M'56), Sr. Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

MASON, DENNIS E. (S'56-M'59), Tech. Writer, Hazeltine Corp., Little Neck 62, L.I., N, Y.

MASON, DONALD R. (S'44-A'49-M'55), Assoc. Prof., Chemical Engrg., Univ. of Michigan, 2028 E. Engrg.

Bidg., Ann Arbor, Mich.

MASON, EDWARD A. (A'51-M'57), Electronics Engr., U. S. Army Signal Supply Agency, 225 S. 18 St., Philadelphia 3, Pa.

MASON, EIMER C. (A'51) Assoc. Editor, Broadcast.

MASON, FLMER C. (A'51), Assoc. Editor, Broadcast News, RCA, Camden, N.J. MASON, FRANCIS G. (A'54), Electronics Engrg. Consultant, F. G. Mason Engrg. Co., Lords Hwy., Weston, Conn. MASON, FRANK H., III (S'57-M'58), 2408 Kensington, Nashville, Tenn.

Nashville, Tenn.
MASON, FRED L. (M'50-SM'50), Chief Engr., USN,
Electronics Div., Naval Shipyard, Pearl Harbor, Hawaii.
MASON, HARPY (M'50), Staff Assoc., Sandia Corp.,
Sandia Base, Albuquerque, N. Maryon, Sandia Corp.,
Wilson Ave., South Norwalk, Conn.

Wilson Ave., South Norwalk, Conn.

MASON, HOWARD J., JR. (A'51), Electronics Engr., FAA, New York Internati. Airport, Jamaica 30, L.l., N.Y.

MASON, JACK S. (S'50-A'51-M'52), Sr. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

MASON, JAMES D. (M'58), Engr., American Bosch Arma Corp., Garden City, L.l., N.Y.

MASON, JERRY M. (S'51-A'52-M'57), Project Engr., Delco Radio Div., GMC, 700 E. Firmin St., Kokomo, Ind.

MASON, JIMMIE L. (A'58), Research Engr., Harold Kruger Instruments, 313 W. Valley Blvd., San Gabriel, Calif.

MASON, JOHN E. (A'43-M'45), Sr. Engr., Naval Torpedo Sta., Keyport, Wash.

Sta., Reyport, wasn.
MASON, JOHN R. (A'53-M'58), Project Engr., Cubic Corp.,
5575 Kearney Villa Rd., San Diego, Calif.
MASON, LLOYD. (M'58), Engr., Dept. of Natl. Defence,
Ottawa, Ont., Canada.
MASON, LOUIS (M'58), Sr. Electronics Engr. & Geni.
Reo. E.D., Bureau of Aeronautics, 252 7 Ave., New
York, N.Y.

MASON, PERRY R., JR. (S'53-A'54), Components Engr., GE Co., LMED, 600 Main St., Johnson City, N.Y. MASON, RICHARD K. (A'55), Sr. Engr., IBM,

MASON, ROBERT E. (S'56-M'57), Engr., 8endix Aviation Corporation, 80x 1159, Kansas City 41, Mo. MASON, ROBERT F, (A'50), Sr. Electronics Engr., Warner & Swasey Co., 5701 Carnegie, Cleveland 12, Ohio.

MASON, ROBERT P. (S'54-A'55), Physicist, U.S. Govt., 4325 N. Pershing Dr., Arlington 3, Va.
MASON, ROBERT S. (A'49-M'55), Sales Engr., Sylvania Elec. Prods., Inc., 1000 Huyler St., Teterboro, N.J.
MASON, SAMUEL J. (A'42-SM'52), Assoc. Prof., Elec. Engr., MIT, Cambridge 39, Mass.
MASON, V. VICTOR (SM'53), Mgr., Atomic Energy Div., Canadian Westinghouse Co., Ltd., Box 510, Hamilton, Ont., Canada.

Ont., Canada.

MASON, WALTER F. (M'59), Sr. Engr., No. Amer. Aviation, Columbus, Ohio.

MASON, WARREN P. (A'36-VA'39-F'41), Head, Mechanics Research, Bell Tel. Labs., Murray Hill, N.J.

MASON, WAYNE (SM'46), 60 Broad St., New York 4,

MASON, WILBERT (S'57-M'58), 118 Fayerweather St., Cambridge, Mass.

MASON, WILLIAM A. (S'56-M'58), 3431 S.E. 10 Pl., Washington 20, D.C.

Wasnington 20, D.C.
MASON, WILLIAM F. (SM'56), Sr. Engr., Hazeltine
Corp., 59-25 Little Neck Pkwy., Little Neck, L.I.. N.Y.
MASONSON, MARTIN (A'53-M'58), Dev. Engr., ITT
Labs., Nutiey 10, N.J.
MASS, JONATHAN (M'53), Research Group Leader,
Ministry of Defence, Scientific Dept., Box 7063,
Hakirya, Tel-Aviv, Isreal.

MASSA, ERNEST A. (M'46-SM'49), V.P. & Genl, Mgr., Massa Labs., 5 Fottler Rd., Hingham, Mass. MASSA, FRANK (A'30-VA'39-M'55), Pres., Massa Div., Cohu Electronics, Inc., 5 Fottler Rd., Hingham, Mass. MASSARI, JOSEPH P. (S'53-A'54), Elec. Engr., RCA, Camden, N.J.

MASSARO, RUDOLPH P. (S'56-M'59), Elec. Engr., MIT Instrumentation Lab., Cambridge 39, Mass. MASSE, DANIEL J. (M'58), Research Asst., Raytheon Mfg. Co., Waltham 54, Mass.

MASSELL, EDWARD (A'45-M'50-SM'54), Sr. Engr., Electronic Associates, Inc., Long 8ranch Ave., Long Branch, N.J.

MASSENGALE, DAVID W. (S'54-M'56), Field Engr., Hazeltine Electronics Corp., Little Neck, L.I., N.Y. MASSENGALE, WALTER B. (A'55), Field Engr., Hazeltine Corp., Little Neck 62, L.I., N.Y.

MASSEY, ANDREW P. (M'59), Electronics Engr., Bureau of Ships, Washington 25, D.C.

MASSEY, ELVIN H. (M'58), Engr., Western Electric Co., 204 Graham-Hopedale Rd., Burlington, N.C.

MASSEY, HARVEY N. (A'56), Electronic Research Engr., Lockheed Missile & Space Div., 3251 Hanover St., Palo Alto, Calif.

MASSEY, JOHN (A'55), Reliability Engr., Martin Co., Balti-more, Md.

more, Md.

MASSEY, MORGAN T. (S'56-M'58), Asst. Sanitary Engr., Robert A. Taff Sanitary Engr., Center, 4676 Columbia Pkwy., Cincannati 26, Ohio.

MASSEY, RICHARD P. (S'54-A'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

MASSEY, THOMAS J., JR. (M'55), Electronics Engr., Naval Air Development Center, Johnsville, Pa.

MASSEY, WALTER F. (A'51-M'57), Supvr., Receiving Tube Application Engr., Westinghouse Elec. Corp., Bath, N.Y.

MASSEY, WILLIAM A. (S'56-M'59), Research & Dev. Engr., Electron Tube Div., Sperry-Rand Corp., Gainesville, Fla. MASSEY, WILLIAM R. (S'58-A'58), Electronics Tech-nician, Measurement Research Center, 108 N. Linn, Iowa nician, Mea City, Iowa.

MASSEY, WILLIAM S. (S'56-M'58), Project Engr., Airpax Electronics, Inc., Jacktown Rd., Cambridge, Md. MASSICOTTE, LOUIS D. (S'57-M'58), Engr., Rural Electrification Bureau, 1105 Lacheviotiere, Quebec, P.Q., Canada.

MASSOGLIA, FRANK P. (S'53-A'53), Supvy. Electronics Engr., San Francisco Naval Shipyard, San Francisco, Calif. MASSON, CLAUDE M. (A'57), Ingenieur-Recherches, SEA, 138 Blvd. de Verdun, Courbevoie, Seine, France.

MASSON, FREDERICK Y. (SM'55), Asst. to V.P., Research & Dev., Daystrom-Weston Co., 614 Frelinghuysen Ave., Newark, N.J.

MASSY, FRANK M. (A'45-M'55), Component Engr., Emerson Radio & Television, Coles & 14 Sts., Jersey City, N.J.

MAST, CLARENCE E. (S'54-M'56), Electronics Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

Cincinnati 25, Ohio.

MAST, P. EDWARD (A'50-M'56), Assoc. Prof., Elec. Engrg., Univ. of Illinois, Urbana, III.

MAST, PAUL L. (S'54-M'57), Assoc. Engr., ITT Labs., Pontiac St., Ft. Wayne, Ind.

MASTELLER, 8ILL L. (S'57-M'58), Elec. Engr., Missiles Div., Bendix Aviation Corp., 440 S. 8eiger St., Mishawaka, Ind.

Ind . MASTEN, SAYRE C. (5'55-A'56), Studio Engr., Univ. of Michigan Television, 310 Maynard, Ann Arbor, Mich. MASTERMAN, HOWARD W. (M'58), 8030 University Ave., La Mesa, Calif. MASTERS, DAVID W. (S'55-M'56), Logical Design Engr., Calif. Co., Computer Dept., 951 Commercial, Palo Alto,

MASTERS, EUGENE W. (A'44-SM'51), Project Engr., Zenith Radio Co., 6001 Dickens, Chicago, III. MASTERS, GORDON E. (M'59), 23 Briarwood Dr., Poughkeepsie, N.Y. MASTERS, HARVEY M. (S'49-A'52-M'57), Engr., Elec-tronics Div., Westinghouse Elec. Corp., 80x 1897, Baltimore 3, Md.

MASTERS, MARION R. (A'58), Supvr., Weapon System Maint. Planning, Martin Co., Denver 1, Colo. MASTERS, R. WAYNE (S'40-A'43-SM'49), Research Engr., Boeing Airplane Co., 8ox 3707, Seattle 24, Wash.

MASTERS, RICHARD J. (M'57), Liaison Engr., 18M, Owego, N.Y.

Owego, N.Y.
MASTERS, WALLACE N. (M'58), Supvr., Tech. Procurement
Services, Hughes Aircraft Co., Culver City, Calif.
MASTERSON, EARL (M'52), Engrg. Dir., Remington-Rand
Univac, South Norwalk, Conn.
MASTERSON, HORACE T. (M'50), Sr. Research Geophysicist, Humble Oil & Refining Co., 80x 2180, Houston 1,
Tex.

MASTERSON, JOHN T. (A'53-M'59), Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. MASTERSON, JULIAN P. (A'54-M'56), Sr. Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. MASTRANDREA, RALPH J. (S'55-M'56), Staff Engr., Columbia Univ. Elec. Research Labs., 632 W. 125 St., New York 27, N.Y.

MASTROMARINO, JOHN A. (A'57), Plant Mgr., Ace Electronics Associates, Inc., 99 Dover St., Somerville 51, Mass.

Mass.

MASUCCI, CARMINE (S'44-A'47-M'55), Lab. Mgr.,
Fairchild Camera & Instrument Corp., 5 Aerial Way,
Syosset, L.I., N.Y.

MASUDA, HIMEO B. (M'56), Mem. Tech. Staff, Hughes
Aircraft Co., Culver City, Calif.
MASURAT, GEORGE (A'49-M'56), Genl. Supt., Production,
Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
MATACOTA MARIO (4'57). Col. Asst. Air Attache,

Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, F MATACOTA, MARIO (4'57), Col., Asst. Air Attache, Italian Air Force, Embassy of Italy, 2110 Le Roy Pl., N.W., Washington, D. MATANGE, NARASINVA D. (SM'57), Deputy Planning Officer (Studios), All India Radio, Parliament St., Broad-casting House, New Delhi, India. MATANIC, MILAND. (S'57-A'58), Dev. Technician, AC Spark Plug Div., Milwaukee, Wis. MATARAZZO, THOMAS, JR. (A'58), Sr. Electronics Technician, AVCO Mig. Co., Crosley Div., 750 Common-wealth Ave., Boston 15, Mass. MATARE, HERBERT F. (SM'49), Head. Semiconductor Div. MATARE, HERBERT F. (SM'49), Head. Semiconductor Div.

MATARE, HERBERT F. (SM'49), Head, Semiconductor Div., Southern German Telephone & Cables, Tekade, Nurnberg, Germany.

Germany.

Germany.

MATARESE, JOHN (A'49-M'55), Advanced Research Engr., Sylvania Elec. Prods., Inc., Bayside, L.I., N.Y.

MATAVA, STEPHEN J. (M'58), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

MATCH, ISIDORE (M'57), Patent Atty., GE Co., 155 E.

44 St., New York 17, N.Y.

MATCH, MARVIN J. (S'48-A'50-M'55), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

MATCHETT, MARSHALL W. (S'56-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

MATF HAROLD (M'56), 471 Crestwood Ave., Hackensack.

MATE, HAROLD (M'56), 471 Crestwood Ave., Hackensack,

N.J.

MATELA, EUGENEV. (5'56-A'56). Design & Mfg. Engr., Webcor, 5610 W. Bloomingdale, Chicago, Ill.

MATELKA, JOSEPH (M'57), V.P., Dale Prods., Inc., Box 136, Columbus, Neb.

MATEVK, WILLIAM (5'56-M'57), Elec. Design Engr., Eastman Kodak Co., 343 State St., Rochester, N.Y.

MATHAMEL, FLAVIUS A. (M'54), Dev. Engr., Burroughs Corp., 2600 E. Jefferson, Detroit 7, Mich.

MATHENY, LOWELL E. (S'49-A'51-M'58), Sr. Elec. Engr., HOffman Labs., Inc., 3761 S. Hill St., Los Angeles 7, Calif.

MATHER, DOUGLAS L. (S'42-A'45-M'55), Electronics Engr., Antennas & Microwave Components, Rome Air Development Center, Griffiss AF8, N. Y.

MATHER, NORMAN W. (A'46-M'47), Prof., Elec. Engrg., Princeton Univ., Princeton, N. J. MATHER, THOMAS S. (M'56), Sr. Design Engr., Bendix Aviation Corp., 8212 Lankershim Blvd., North Hollywood, Calif.

Calif.

MATHERS, CHARLES W. (S'56-M'59), Engr., Bendix
Avlation Corp., Detroit 35, Mich.

MATHERS, FLOYD F. (S'43-A'45), Engr., Canadian GE
Co., Toronto, Ort., Canada.

MATHERS, GEORGE W. C. (S'45-A'47-M'55), Engr.,
Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
MATHERS, HARRY W. (S'52-A'53-M'58), Staff Engr.,
IBM, Owego, N. Y.

MATHES SHUMADE C. (132-A'436 SNACK SIGN.)

IBM, Owego, N. Y.

MATHES, RICHARD E. (J'22-A'24-SM'46-F'57), Div.
Mgr., Burroughs Research Center, Paoli, Pa.

MATHES, ROBERT H. (A'48-M'55), Head, Airbome Sonar
Branch, Sound Div., Naval Research Lab., Washington 25,
b.C.

MATHESON, ALISTER I. (S'53-A'54), Sect. Chief, Electronic & Electric Systems, Avro Aircraft Co., Toronto, Ont., Canada.

MATHESON, CLYDE D. (A'57), Technician, Canadian Pacific Air Lines, Airport, Vancouver, 8.C., Canada.

MATHESON, ROBERT M. (A'48-M'55), Engr., RCA, Lancaster, Pa

Lancaster, Pa.
MATHEWS, ALFRED E. (A'58), Coronado Electronics Co.,
80x 544, Coronado 18, Calif.
MATHEWS, BRUCE E. (S'51-A'54), Asst. Prof., Univ.
of Florida, Elec. Engro. Dept., Gainsville, Fla.
MATHEWS, CLARENCE A., JR. (A'48-M'57), Field Engr.,
Philco Coro., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
MATHEWS, EUGENE (A'49-M'55), Design Engr., Missiles
& Space Engre, Douglas Aircraft Co., 300 Ocean Park Blvd.,
Santa Monica, Calif.
MATHEWS, KENNETH C. (M'51), Engr., Soggialist

Samta Monica, Calif.

MATHEWS, KENNETH C. (M'51), Engrg. Specialist,
Sylvania Elec. Prods., Inc., Waltham 54, Mass.

MATHEWS, MAX V. (S'53-A'55), Mem. Tech. Staff,
Bell Tel. Labs., Murray Hill, N.J.

MATHEWS, RALPH H. G. (M'53-SM'54), Mgr., High
Fidelity Radio-Phono Dept., Westinghouse Elec. Corp.,
Metuchen, N.J.

MATHEWS, RICHARD & CALOR.

Fibelity Radio-Phono Dept., Westinghouse Elec. Corp., Metuchen, N.J.

MATHEWS, RICHARD L. (A'58), 3100 Massachusetts Ave., N.W., Washington 8, D.C.

MATHEWS, VICTOR M. (A'53–SM'56), Chief Engr. Aermotive Equipment Corp., 1632 Central St., Kansas City 8, Mo.

MATHEWS, WARREN E. (S'43–A'46–M'52–SM'55), Dir., Tech. Plamning, Hughes Aircraft Co., Culver City, Calif. MATHIAS, JOHN M. (S'52–M'56), Engr., Varian Associates, Palo Alto, Calif. MATHIAS, JOHN M. (S'52–M'56), Engr., Varian Associates, Palo Alto, Calif. MATHIAS, MARION L. (A'58), Electronics Lab. Specialist, Philoc Corp., 3875 Fabian Way, Palo Alto, Calif. MATHIAS, ROBERT A. (A'51–SM'55), Asst. Prof., Elec. Engra., Carnegie Institute of Technology, Pittsburgh 13, Pa. MATHIEU, GASTON A. (F'58), Personal Asst. to S.E. Senatore Marconi, Marconi's Wireless Telegraph Co., Ltd., Electra House, Victoria Embankment, London WC2, England.

England

MATHIEU, ROGER E. (M'47), Project Engr., Westinghouse Etec. Corp., Baltimore 3, Md.

- MATHIOT, JACOB E. (A'41-M'54), Tech. Dir., WGAL-AM-FM-TV; WORK-AM; WKBO-AM; Steinman Sta., WDEL-AM-FM; WEST_AM-FM, WRAK-AM-FM, 8 W. King St.,
- FM, WEST-AM-FM, WRAK-AM-FM, 8 W. King St., Lancaster, Pa. MATHIS, CHARLES E. (A'52-M'58), Systems Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. MATHIS, GALL (M'46), Sect. Mgr., Raytheon Mfg. Co., Wayland, Mass.
- wayiano, mass.
 MATHIS, GILBERT P. (A'52-M'57), Electronic Scientist,
 U. S. Navy Mine Defense Lab., Panama City, Fla.
 MATHIS, HAROLD F. (M'47-SM'53), Research Engr.,
 Goodyear Aircraft Corp., Akron 15, Ohio.
- MATHS, JAMES D. (A'40-M'51-SM'43), Equipment Engr., Southwestern Bell Tel. Co., 308 S. Akard, Dallas, 2, Tex.
- Dallas, Z., [ex., MATHS, JOSEPH B. (SM'57), Military Prods., Engr., Collins Radio Co., 1930 HiLine Dr., Dallas 7, Tex. MATHIS, VERNON P. (SM'55), Solid State Circuit Engr., GE Co., Syracuse, N.Y.
- GE Co., Syracuse, N.Y.

 MATHIS, WALTER H. (S'57-M'58), Missile Test Analyst,
 Convair-Astronautics, San Diego, Calif.

 MATHISEN, WILLIAM O. (S'51-A'52), Electronics Engr.,
 Kin Tel, 5725 Kearney Villa Rd., San Diego 12, Calif.

 MATHISON, RICHARO P. (S'55-M'56), Research Engr.,
 California Institute of Technology, 4800 Oak Grove Dr.,
 Pasadena. Calif
- MATHISON, RICHARO P. (\$'55-M'56), Research Engr., California Institute of Technology, 4800 0ak Grove Dr., Pasadena, Calif.

 MATHISON, W. WALLACE (A'49-M'55), Head, Autopilots Branch, USN Underwater Ordnance Sta., Newport, R.I.

 MATHWICH, H. ROBERT (A'46-M'55), Engrg, Leader, RCA, Canden, N.J.

 MATICICH, JOHN R. (\$'55-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.

 MATKO, JAMES W. (\$'55-M'58), Elec. Engr., Natl. Electric Welding Machine Co., 1846 N. Trumbull, Bay City, Mich.

 MATIACK, NORMAN C. (\$M'59), Project Engr., Con-

- MATLACK, NORMAN C. (SM'59), Project Engr., Continental Electronics Mfg. Co., 4212 S. Buckner, Dallas 27, Tex.
- 27, Tex.
 MATLACK, RICHARD C. (A'55), Data Systems Engr., Bell
 Tel. Labs., Murray Hill, N.J.
 MATDN, GILBERT L. (A'54-M'55), Dir., Research, John
 I. Thompson & Co., Inc., 1118 22 St., N.W., Washington
 7, D.C.
- MATONAK, LAWRENCE A. (S'52-A'54-M'59), Elec. Engr., RCA, Moorestown, N.J. MATOVICH, MITCHEL J. (A'55-M'57), 196 Lynhurst, San
- MATSCHKE, ARNOLD M. (M'59), Sr. Engr., Sylvania Electronics Defense Lab., Mountain View, Calif. MATSON, DAVID L. (M'59), 95-31 242 St., Bellerose 26. L.I., N.Y.
- 26. L.i., N.Y.
 MATSON, DAVID L., JR. (S'56-M'59), Hughes Aircraft
 Co., Internati. Airport Sta., Los Angeles 45, Calif.
 MATSON, LESLIE E., JR. (S'42-A'44-M'56), Group
 Leader, Systems Engrap. RCA, Moorestown, N.J.
 MATSUBARA, GEORGE S. (S'54-M'56), Asst. Staff
 Engr., Servomechanisms, Inc., 12500 Aviation Blvd.,
 Hawthorne, Calif.
- Hawthorne, Calif.
 MATSUDAIRA, MASATOSHI (SM'57), Prof., Faculty of Engrg., Tohoku Univ., Sakurakoji, Sendai, Japan.
 MATSUMARU, KATSU (A'55), Chief Research Officer, Electrical Communication Lab., Njipoon Telegraph & Telephone Public Corp., Kichijoji 1551, Musashino, Tokyo,
- Japan.
 MATSUMOTO, KINJI (A'56), Prof., Faculty of Engrg.,
 Shizuoka Univ., 400 Oiwake-cho, Hamamatsu, Japan.
 MATSUMOTO, LLOYD Y. (S'56-M'58), Electronics Design
 Engr., Lockheed Missile & Space Div., 1123 N. Mathilda,
 Sunny

- Syndry State Wilson (A'46), Electronics Engr., Litton Industries, Beverly Hills, Calif.

 MATSUMOTO, T.E.DDIE (A'46), Electronics Engr., Litton Industries, Beverly Hills, Calif.

 MATSUMOTO, TETSUO (S'57-M'59), Assoc. Engr., Convair, San Diego, Calif.

 MATSUMURA, GEORGE K. (S'57-M'59), 453 Berkley St., Camden, N. J.

 MATSUMURA, SADAO (A'56), Prof., Univ. of Electro-Communications, 14 Kijimacho, Chofu-Shi, Tokyo, Japan.

 MATSUO, TADAYUKI (M'59), Research Institute Electrical Comm., Tohoku Univ. 5, Sakurakoji, Sendai, Japan.

 MATSUOKA, MATSATOSHI E. (A'50-M'54), Engr., Univ. Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N.Y.
- MATSUYAMA, KIHACHIRO (A'57), Vice-Chief, Electron Research Sect., Tech. Research Lab. of the Broadcasting Corp. of Japan (NHK), 361 Kinuta-Machi, Setagaya-Ku, Tokyo,
- MATSUYUKI, TOSHITADA (SM'57), Prof., Elec. Dept., Defense Academy, Obaradai, Yokosuka, Japan. MATT, SOL (A'53-M'55), Project Engr., GE Co., Ithaca,
- N.Y.
 MATTA, BERNARDINO M. (A'58), Electronics Technician,
 Control Instrument, 35 St. & 3rd Ave. Brooklyn, N.Y.
 MATTAUSCH, ARMAND J. (S'51-A'52-M'57), Sr. Dev.
 Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix,
- MATTE, GERARD W. (S'47-A'49-M'55), Project Engr., Cnd Army Signals Engrg. Establishment, DND (Army), Ottawa, Ont., Canada.

- Ottawa, Ont., Canada
 MATTER, LLOYD E. (S'55-M'58), Sr. Systems Engr.,
 Dage TV Div., Thompson-Ramo-Wooldridge, Inc., W. 10
 St., Michigan City, Ind.
 MATTERN, JOHN (4'49-M'55), Sr. Engr., Westinghouse
 Elec. Corp., Box 746, Baltimore 3. Md
 MATTERN, MURLE F. (M'557), Design Engr., Ampex
 Corp., 934 Charter, Redwood City, Cali
 MATTERN, PAUL E. (M'56), Project Engr., Channel Master
 Corp., Napanoch Rd., Ellenville, N. Y
 MATTERN, RANDALL M. (M'55), Transmission Engr., Ohio
 Bell Tel. Co., 750 Huron Rd., Cleveland 15. Ohio.
 MATTES, ALOIS J. (A'55), Electronics Engr., U. S.
 Army Signal Research & Development Lah., Ft. Monmouth,
 N.J.
- N.J.
 MATTES, FRANK J. (S'55-M'57), Design Engr., Westinghouse Elec. Corp., 356 Collins Ave. Pittsburch 6. Pa. MATTESON, DONALO W. (S'56-M'58), Field Engr., Hazeltine, Great Neck, L.I., N.Y.
 MATTESON, LEWIS W., JR. (A'56), Pres., Matteson Transformers, Inc., 1806 Ojeman Rd., Houston 24, Tex.

- MATTESON, RONALD G. (S'51-A'52-M'56), Sr. Group Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3,
- MOT.

 MATTHAEI, GEORGE L. (S'49-A'52-M'57), Sr. Research Engr., Electromagnetics Lab., Stanford Research Institute, Menlo Park, Calif.

 MATTHEI, WESLEY G. (M'56), Physicist, Physical Electronics Branch, Solid State Devices Div., U. S. Army Signal Research & Development Lab., Ft. Mongarth M.

- mouth, N.J.

 MATTHEW, THEODORE B. (S'54-M'55), Process Engr.,
 Hewlett-Packard Co., Palo Alto, Calif.
 MATTHEWS, A.C. (4'29-SM'45), Cost Engrg., Philoc
 Corp., Philadelphia 34, Pa.

 MATTHEWS, ALLEN R. (S'50-A'52-M'52-SM'54), Maj.,
 USAF, Consultant, Systems Engrg. Office, WCLF, Air
 Research & Dev. Command, Wright Air Development Center,
 Wright-Patterson AFB, Ohio.

 MATTHEWS, CHARLES I. (4'55), Electronics Technician,
 USN Underwater Sound Lab., New London, Conn.

 MATTHEWS, CHARLES M. (A'59), Moulton's Ridge,
 Exeter, N.H.
 MATTHEWS, COURTNEY (A'54-SM'57). Chief Communica
- MATTHEWS, COURTNEY (A'54-SM'57), Chief Communica-tions Engr., Pereira & Luckman, 9220 Sunset Blvd., Los Angeles, Calif.

- Angeles, Calif.

 MATHEWS, CRAIG G. (A'57), Contract Administrator,
 Seismograph Service Corp., Box 1590, Tulsa 1, Okla.

 MATHEWS, CROSBY R. (A'54), Industrial Rep., Lenert
 Co., 1420 Hutchins, Houston 12, Tex.

 MATTHEWS, DOUGLAS W. (A'47), Research Engr., Lockheed Missile & Space Div., Sunnyvale, Calif.

 MATTHEWS, EDGAR W., JR. (S'46-A'48-S'53-M'54),
 Engr., RCA Missile & Surface Radar Div., Morrestown, N.J.

 MATTHEWS, EDWARD G. (A'56), Project Engr., IBM,
 Poughkeepsie, N.Y.
- MATTHEWS, GEORGE D. (A'31-M'46), Mgr., Sp Equipment Engrg., Hotpoint Div., 5600 W. Taylo
- MATTHEWS, HAROLD W. (S'57-M'59), Engr., The Bell Tel. Co. of Canada, 1060 University St., Montreal, P.Q., Canada.
- MATTHEWS, JAMES N. (A'58), Field Engr., Ontario Research Foundation, 43 Queens Park, Toronto 5, Ont., Canada.
- MATTHEWS, JOHN G. (A'49-M'55), Military Dev. Engr., Bell Tel. Labs., Whippany, N.J. MATTHEWS, JOHN L. (S'57-M'59), 1907 Brookshire, Arlington, Tex.
- Arlington, Tex.
 MATTHEWS, JOSEPH A. (A'59), Telephone Repeaterman,
 Southwestern Bell Tel. Co., 822 Rosenberg, Galveston,

- MATTHEWS, KENNETH B. (A'52-M'57), Electronics Engr., USAF Security Service, San Antonio, Tex.

 MATTHEWS, LEIGH M. (S'42-A'44-M'48), Engrq. Dept. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MATTHEWS, LLOYD E. (S'49-A'50-M'54), Engr., Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, III.

 MATTHEWS, RICHARD P. (SM'50), Mgr., Andrew Antenna Corp., Ltd., 606 Beech St., Whitby, Ont., Canada.

 MATTHEWS, RUSSELL B. (M'48), Dir., Prod. Engrq., Baso, Inc., 730 N. Jackson St., Milwaukee 1, Wis.

 MATTHEWS, THANO N. (A'57), Application Engr., RCA, Harrison, N. J.

 MATTHEWS, THOMAS S. (S'56-M'59), Instr., Univ. of
- MATTHEWS, THOMAS S. (S'56-M'59), Instr., Univ. of Houston, Houston, Tex.
- muston, Houston, Tex.
 MATTHEWSON, ARTHUR (M'57), Electronics Scientist,
 Air Force Cambridge Research Center, Hanscom Field,
 Bedford, Mass.
- MATTHIAS, LYNN H. (A'25-VA'39-M'55), V. P., Research, Allen Bradley Co., 136 W. Greenfield Ave., Milwaukee 4,
- MATTHIES, JOHN G. (S'49-A'51-M'56), Electronic Dev. Engr., Varian Associates of Canada, Ltd., Georgetown, Ont., Canada.
- Um., Canaoa.
 MATTHYS, ROBERT J. (A'52), Elec. Engr., Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.
 MATTIAT, OSKAR E. (A'53-SM'56), Sr. Scientist, Acoustics, Curtiss-Wright Corp., Box 689, Santa Barbara,

- Calif.

 MATTILA, PAUL A. (S'53-A'54), Technician, CBS,
 485 Madison Ave., New York 22, N.Y.

 MATTILA, PAUL E. (S'53-A'54), Jr. Engr., Panoramic
 Radio Prods., Inc., 520 S. Fulton Ave., Mt. Vermon, N.Y.

 MATTINGLY, CARLOS D. (S'56-A'58), Electronics Technician, Nevada Air Prods. Co., N. Valley Rd., Reno, Nev.

 MATTINGLY, LAWRENCE J. (A'57), Chief Engr., Prod.
 Lab., Motorola, Inc., 4545 W. Augusta Blvd., Chicago,
 III.
- III.

 MATTINGLY, ROBERT L. (M'45-SM'55), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N. J.

 MATTISINKO, NORMAN S. (M'56), Engr., Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, L.I., N.Y.

 MATTISON, GERALD H. (S'46-A'49-M'54), Asst. Project Engr.
 Fairchild Guided Missile Div., Wyandanch, L.I., N.Y.

 MATTISON, MELVIN T. (M'57), Mem. Tech. Staff, Sandia
 Corn., Sandia Base, Albuquerque, N., M.

 MATTO, KUTOR G. (A'53), Pres., Aerolite Electronics
 Corp., 2207 Summit Ave., Union City, N.J.

 MATTOS, CLIFFORD E. (SM'55), Pres., DBM Research
 Corn., Stoddard Bidg., Cocoa Beach, Fla.

 MATTOSN, ARTHUR E. J.B. (A'58), 12 Woodmont St.,

- Corm., Stoddard Bidg., Cocoa Beach, Fla.
 MATTSON, ARTHUR E., JR. (A'58), 12 Woodmort St.,
 West Springfield, Mass.
 MATTSON, DOYLE F. (SM'54), Mgr., Lockheed Missile
 & Space Div., Santa Cruz, Calif.
 MATTSON, ROY A. (S'57-M'59), 3135 Sands Pl., New
 York 61, N.Y.
 MATTSON, ROY H. (M'55), Asst. Prof., lowa State College
 Elec. Engrg. Dept., Ames., lowa.
- MATULKA, DONALD O. (S'58-M'59), Electronics Engr., U.S. Govt., Wright Air Development Center, Wright-Pat-terson AFB, Ohio.
- terson AFB, Ohio.
 MATUO, TORU (A'57), Shimada Physical & Chemical Industrial Co., 17 Fujimi-cho, Nakano-ku, Tokyo, Japan.
 MATUSZEK, FRANCIS A. (S'53-A'54), Sr. Engr., Acoustica Associates, Inc., 26 Windsor Ave., Mineola, L.I., N.Y.
 MATUSZEWSKI, HENRY E. (M'57), Electronics Engr., Rheem Mfg. Co., 9236 E. Hall Rd., Downey, Calif.
 MATUZICH, JOSEPH O. (A'51), Transmitter Operator, WMBO, Inc., Metcalf Bldg., Auburn, N.Y.

- MATYAS, JOHN A. (A'56), 1441 Madison Ave., Columbus,
- MATYLEWICH, THADDEUS D. (S'52-A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. MATYS, STANLEY J. (S'56-M'57), Jr. Dev. Engr., Carborundum Co., Niagara Falls, N.Y.

- Carborndum Co., Niagara Falls, N.Y.

 MATYSEK, JOHN J. (A'53), Sr. Electronics Engr., The Martin Co., Orlando, Fla.

 MATZ, CHARLES H. (SM'48), Chief Electronics Engr., Polaroid Corp., 73D Main St., Cambridge 39, Mass.

 MATZEK, LESTER T. (SM'59), TV Design Engr., Zenith Radio Corp., 6001 W. Dickens, Chicago 39, III.

 MATZEN, WALTER T. (M'55), Sr. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

 MAZINGER, J. ROBERT (M'47–SM'59), Sr. Mfg.

 Research Engr., Martin Co., Orlando, Fla.

 MAU, JOHN C. (S'55–M'56), Transmission & Protection Engr., Genl. Telephone Co. of Michigan, 860 Terrace St., Muskegon, Mich.

- MAUCHLY, JOHN W. (A'42-M'56-F'57), Pres., Mauchly Associates, Inc., 50 E. Butler Ave., Ambler, Pa. MUDDAL, INGE (S'56-M'57), Electronics Engr., Convair, Pomona, Calif.
- MAUDENS, LEONARD C. (S'50-A'51-M'57), Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.
- Calif.

 MAUER, WILLIAM V. (A'49), Pres., Chief Engr., Custom-Temp Corp., 10 Church St., Liberty, N. Y.

 MAUGER, RUSSELL S., (A'52), Service Mgr., Philadelphia
 Distributors, Inc., 32 & Walnut Sts., Philadelphia, Pa.

 MAUGHMER, JACK M. (A'53-M'58), Project Leader, Convair-Astronautics, San Diego 12, Calif.

 MAUGHMER, ROBERT W. (S'54-M'56), Sr. Design & Dev.
 Engr., H.L. Yoh Co., Inc., 123 S. 2nd St., Philadelphia,
 Pa.
- MAUK, LEONARD H. (M¹57), Project Engr., Consolidated Electrodynamics Corp., 360 N. Sierra Madre Villa, Pasadena, Calif.

- Pasadena, Calif.

 MAUL, LLCYD L. (S'53-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 MAULDIN, CHARLES W. (A'57), Sales, C. W. Mauldin Co., 441 W. California Ave., Palo Alto, Calif.

 MAULDIN, HENRY W., JR. (S'42-A'45-M'55), Project Engr., Melbar, Inc., 3000 Arlington Blvd., Falls Church Va.
- Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church Va.

 MAUNDER, EDWARD R. (S'51-A'52-M'57), Seismologist Shell Oil Co., Box 1810, Midland, Tex.

 MAUNG, II. AYE (A'55), Shift Engr. (Transmitters), Voice of Burma, 61 Mile Kokine Rd., Rangoon, Burma.

 MAUNSELL, HENRY I. (S'48-A'50-M'56), Mem. Tech. Staff, Bell Tel. Labs., Mirray Hill. N.J.

 MAUPIN, CHARLES E. (M'59), Instr., Electronics, FAA, Aeronautical Center, Oklahoma City, Okla.

 MAURE, DOUGLAS R. (SM'57), Pres., Digital Instrument Labs., 152 S. Atlantic Blvd., Los Angeles 22, Calif.

 MAURE, CARL D. (A'56), Research Scientist, Lockheed Missile & Space Div., Palo Alto, Calif Search Seiner, Instrumentation Lab., MIT. Cambridge 39. Mass.

 MAURER, DEAN S. (S'57-M'58), Asst. Project Electronic Endr., Bendix Radio, Towson Md.

 MAURER, HAROLD E. (S'57-M'58), Engr., Instrumentation Lab., MIT. Cambridge 39. Mass.

 MAURER, JOHN W. (S'47-A'49-M'55), Dev. Engr., GE
 Co., Schenectady, N.Y.

 MAURER, ROBERT S. (S'58-M'59), Engr., RCA, Vandenberg AFB, Calif.

 MAURER, ROLLAND A. (S'47-A'51-M'58), Consulting Engr., Box 68, South Gate, Calif.

 MAURER, ALEXANDER (A'46), Asst. Prof., School of Medicine Vall Liniv. 333 Ceda St. New Haven. Conn.

- MAURER, ROLLAND A. (S'47-A'51-M'58), Consulting Engr., Box 68, South Gate, Calif.

 MAURO, ALEXANDER (A'46), Asst. Prof., School of Medicine, Yale Univ., 333 Cedar St., New Haven. Conn.

 MAURO, EUGENEA, (S'51-A'52), Engr., Alicraft Armaments, Inc., Cockeysville, Md.

 MAURUSHAT, JOSEPH, JR. (M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 MAURY, J. HARRY (M'52), Texas Plant Supvr., Mountain States Telephone & Telegraph Co., 510 Texas St., El Paso, Tex.

 MAUSER, CHARLES A. (A'57), Tech. Writer, Belock Instrument Coro., College Point, L.I., N.Y.

 MAUSER, CHARLES A. (A'57), Tech. Writer, Belock Instrument Coro., College Point, L.I., N.Y.

 MAUSER, ROBERT (A'48-M'55), TV Maint. Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 MAUTNER, LEONARD (M'46-SM'47), Mgr., Special Projects, Airborne Systems Lab., Hughes Aircraft Co., Culver City, Calif.

 MAUTNER, ROBERT S. (A'41-M'45-SM'48), Pres., LEL, Inc., 380 Oak St., Copiague, L.I., N.Y.

 MAUZEY, PETER T. (S'51-A'55-M'56), Assoc., Elec. Engrg., Columbia Univ., 117 & Broadway, New York 27, N.Y.

 MAUNS, GEORGE W. (M'56), Engr.-in-Chg., Contract

- MAVIS, GEORGE W. (M¹56), Engr.-in-Chg., Contract Systems Engrg., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y. MAVITY, WILLIAM C. (M'59), Design Engr., RCA, Camden

- N.J.

 MAYROIDES, WILLIAM G. (M'58), Supvy. Physicist,
 USAF Cambridge Research Center, Ipswich Antenna Test
 Sta.. Box 232, Ipswich, Mass.

 MAYROMATIS, ALBERT (A'53-M'58), Instr., Physics,
 Newark College of Engrg., 367 High St., Newark 2, N.J.

 MAWD SLEY, JACK S. (S'53-M'58), Telecommunications

 Officer, RCAF, Mont Apica, P.O., Canada

 MAWDSLEY, ROBERT L. (SM'48), Branch Chief, Weapons

 Guidance Lab., Wright Air Development Center, WrightPatterson AF8. Olitio.

 MAWHINNEY, DANIEL D. (S'56-M'58), Engr., RCA,

- Guivarice Lau., wright Air Development Center, Wright-Patterson AFB. Ohio.

 MAWHINNEY, DANIEL D. (S'56-M'58), Engr., RCA, Harrison, N J.

 MAWHODD, SAMUEL A. (S'55-M'57), Electronics Engr., Vitro Corp., 14000 Georgia Ave., Silver Spring, Md.

 MAX, ANDREW J. (SM'54), Project Div. Supvr., Sandia Corp., Sandia Base. Albuquerque, N.M.

 MAX, SOLOMON M. (S'55-M'58), Research & Teaching Asst., MIT, Cambridge 39, Mass.

 MAXEY, DANIFL C. (M'59), Sr. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 MAXEY, GEORGE S. (M'57), District Radio Techniclan-in-Chg., Public Works Detr., State of California Div. of Highways, Redding, Calif.

 MAXEY, THOMAS J. (SM'56), Head, Digital Dev. Sect., Space Technology Labs., 5500 El Segundo Blvd., Los Angeles 45, Calif.

- MAXFIELD, ROY C. (S'57-M'58), Project Engr., Hughes Aircraft Co., Culver City, Calif. MAXIM, RICHARD A., NR. (M'57), Design Engr., I, Crosley Div., Avco Mfg. Co., 1329 Arlington St., Cincinnati 25, Ohio.
- Div., Avco Mfo. Co., 1329 Arlington St., Cincinnati 25, Ohio.

 MAXIM, WILSON A. (S'44-A'46), Branch Consultant, Meteorologist-Electronics Engr., Aerial Reconnaissance Lab. (WCLRR), Wright Air Development Center, Wright-Patterson AFB, Ohio.

 MAXIMOFF, BORIS S. (S'34-A'38-M'55), Pres., Aero Electronics Co., 1512 N. Wells St., Chicago 10, III. MAXON, ERIC K. (S'55-M'57), Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, III. MAXON, JOHN S. (M'47), Div. Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M. MAXSON, ROY R. (M'589), Engr., in-chge., Eastern TV Enforcement Unit, FCC, Box 31, Laurel, Md. MAXSON, SEVIM H. (S'55-M'57), 13312 S. Purche, Gardena, Calif.

 MAXSON, VERSAL C. (S'54-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MAXWELL, CYRIL D. (S'53-A'54), Lt., 19, USCG, Commanding Officer, U.S. Coast Guard Lorsta C-III, Box 636, Jupiter, Fla.

 MAXWELL, DAVID J. (S'54-M'56), Johns Hopkins Univ.,

- MAXWELL, DAVID J. (S'54-M'56), Johns Hopkins Univ., 310 Ames Hall, Baltimore 18, Md. MAXWELL, DONALD E. (A'46-SM'46), Engr., GE Co., HMED, Syracuse, N.Y.

- MAXWELL, DONALD E. (4'46-SM'46), Engr., GE Co., HMED, Syracuse, N.Y.

 MAXWELL, DONALD W. (4'57), Salesman, The Sun Radio Co., 110 E. Market St., Akron R, Ohio.

 MAXWELL, GLENN D. (M'58), Research Engrg. Specialist, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 MAXWELL, JOHN (A'54), Plant Supvr., Bell Tel. Co., 76 Adelaide St., W., Toronto 9, Ont., Canada.

 MAXWELL, JOHN W. (SM'50), Dir., Engrg., Electronics Div., P. R. Mallory & Co., Inc., 3029 E. Washington St., Indianapolis 6, Ind.

 MAXWELL, JOHNNY W. (A'55), Design Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 MAXWELL, KENNETH D. (A'44-M'55), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 MAXWELL, LEE M. (S'55-M'57), Instr., Elec. Engrg., Univ. of Idaho, Moscow, Idaho.

 MAXWELL, MARVIN S. (M'56), Head, Computer Research & Development Branch, U. S. Naval Proving Ground, Dahlgren, Va.

 MAXWELL, RICHARD F., JR. (S'49-A'50-SM'58),
- MAXWELL, RICHARD F., JR. (S'49-A'50-SM'58), Project Engr., Westinghouse Elec. Corp., Baltimore 3, Md.
- Md.

 MAXWELL, ROBERT L. (S'50-A'51-M'56), Research Engr., Boeing Airplane Co., Seattle, Wash.

 MAXWELL, THOMAS M., JR. (M'56-SM'57), Mem.
 Tech. Staff, Ramo-Wooldridge Corp., Littleton, Colo.

 MAXWELL, WALTER P. (S'57-A'58), Elec. Engr., Melpar, Inc., 6000 Arlington Blvd., Falls Church, Va.

 MAY, ALBERT (A'56), Electronics Instr., Signal School, Ft. Mormouth, N.J.

 MAY, BRUCE M. (S'58-A'59), 3005 Flamingo Dr.,

 Miami Beach, Fla.

- Miami Beach, Fla.
 MAY, CARL J., JR. (S'55-M'57), Mem. Tech. Staff, Bell
 Tel. Labs., Muray Hill, N. J.
 MAY, CHARLES (S'49-M'58), Engr., Applied Physics
 Lab., The Johns Hopkins Univ., Silver Spring, Md. Lab., The Johns Hopkins Univ., Silver Spring, Md.
 MAY, CHARLES W. (S'53-A'54), Electronics Scientist,
 U. S. Naval Avionics Facility, 6000 E. 21 St., Indianapolis 18, Ind.
- MAY, CLIFFORD D., JR. (M'57), Tech. Dir., Army Communication Service Div., Office of the Chief Signal Officer, Washington 25, D. C.
- mgton 25, D.C. MAY, EDWARD G. (M¹58), Engr., Bendix Radio Div.,
- Towson 4, Md.

 MAY, ERNEST L. (S'46-A'50-M'55), Sr. Group Engr.,
 Applied Physics Staff, Boeing Airplane Co., Seattle,
- wasn.

 MAY, FRANK D. (M'55), Engr.-in-Chg., Delco Radio Div., GMC, 5750 W. 31 St., Chicago 38, III.

 MAY, GAYLE L. (M'58), Chief, B System, Air Force Office for Atomic Energy, AFOAT-1, Tempox, Washington 25, D.C.
- D. C.

 MAY, HAROLD E. (A'42-M'45-SM'51), Sect. Leader, Environmental Test & Standards Dept., Communications & Industrial Electronics Div., Motorola, Inc., 4501 Augusta Blvd., Chicago 51, Ill.

 MAY, HARRY A. (S'54-A'55), Sr. Engr., Martin Co., Baltimore 3, Md.

 MAY, JAKK K. (S'56-M'57), Mgr., Electronic Assembly Quality Control Dept., IBM, New Circle Rd., Lexington, Ky. MAY, JAMES P. (A'53-M'54), Div. of Defense Labs., Staff, MIT, Lexington 73, Mass.

 MAY, JOE C. (S'44-A'46-M'48-SM'55), Asst. Prof., Dunham Lab. of Elec. Engrg., Yale Univ., New Haven, Conn.

 MAY, JOHN C. (A'53-M'58), Engr., GE Co., Ibbaca, N.Y.

- Junnam Lab. of Elec. Engrg., 79ale Univ., New Haven, Conn.

 MAY, JOHN C. (A'53-M'58), Engr., GE Co., Ithaca, N.Y.
 MAY, JOHN E., JR. (SM'55), Physicist, Bell Tel. Labs., Whippany, N.J.

 MAY, KENNETH S. (M'54), Planning Engr., Bell Tel. Co. of Pennsylvania, 1317 Filbert St., Philadelphia 7, Pa.
 MAY, MELVIN M. (M'56), Electronics Engr., Electronic Associates, Inc., Long Granch, N.J.

 MAY, RALPHW. (M'54), District Sales Mgr., Microwave Comm., GE Co., 565 Broadway, Redwood City, Calif. MAY, ROBERT C. (S'55-A'57), Quality Control Analyst, Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo. MAY, ROBERT L. (A'56), Dealer & Sales Mgr., Professional Profs. Div., Ampex Corp., 5938 W. Montrose Ave., Chicago 44, Ill.

 MAY, THEODORE W. (A'57), Broadcast Technical Control Control
- MAY, THEODORE W. (A'57), Broadcast-Technician, Stations WFLA, WFLA-FM, WFLA-TV, Tampa, Fla. MAY, WILLIAM, JR. (A'59), Design Engr., IBM, Kingston, N.Y.
- N.Y.
 MAYBACH, WESLEY J. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 MAYBERRY, KARL L. (M'56), Sr. Electronics Engr., Temco Aircraft Coro., Box 6191, Dallas, Tex.
 MAYBERRY, LEONARD A. (SM'48), Pres., Mayberry Electronics Co., 111 S. Oak St., Inglewood 1, Calif.
 MAYBERRY, ROBERT C. (S'54-M'56), 2nd Lt., Ordnance Corps Army, Huntsville, Ala.

- MAYCOCK, JOHN C. (A'49-M'55), Genl. Supvr., Quality Control Equipment Lab., Fairchild Aircraft Div., Hagersto Md.
- Md.
 MAYEDA, WATARU (S'52-M'5B), Asst. Prof., Research,
 Univ. of Illinois, Urbana, III.
 MAYEKAWA, MASAMITSU (S'53-A'54), Test Equipment
 Engr., Stromberg-Carlson Co., 1895 Hancock St., San
 Diego 12, Calif.
- Dieso 12, Calif.

 MAYER, ABBOTT F. (A'52-M'57), Sr. Asst. Engr.,
 Collins Radio Co., Cedar Rapids, Iowa.

 MAYER, AKIVA D. (A'58), Capt., Communication Engr.,
 Israel Defense Forces. Home: 15 Ilanot, Halfa, Israel.

 MAYER, ALEX (A'53-M'57), Head, Electromagnetics,
 Convair-Astronautics, San Diego, Calif.

 MAYER, ARTHUR B. (A'58), Sales Mgr., Condenser
 Research Corp., 715 S. Oesting St., Box 161, Seymour,
 Ind.

- Research Corp., 715 S. Desting St., Box 161, Seymour, Ind.

 MAYER, CHARLES B. (SM'56), Project Engr., GE Co., Schenectady, N.Y.

 MAYER, CORNELIUS G. (SM'47), European Tech. Rep., RCA, 30 Rockefeller Plaza, New York 20, N.Y.

 MAYER, CORNELL H. (M'47), Physicist (Radio), Naval Research Lab., Washington 25, D.C.

 MAYER, D. STEPHEN (S'45-A'51-M'56), Sr. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. MAYER, DAVID B. (M'53), Leader, Numerical Analysis, Systems Engrg., RCA, Moorestown, N.J.

 MAYER, DONALD F. (S'50-A'51-M'56), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 MAYER, FRANK N. (A'53-M'59), Owner-Mgr., Mayer Radio, 511 St., Joe, Rapid City, Sr.D.

 MAYER, FREDERICK N. (M'56), Mgr., Govt. Programs, Waldorf Electronics Div., F.C. Huyek, Park Ave., Huntington, L.I., N.Y.

 MAYER, GIBERT J. (S'57-M'59), Quality Control Engr., Raytheon Mfg. Co., Bristol, Tenn.

 MAYER, HARRY F. (A'36-SM'47-F'56), Mgr., Advanced Electronics Center, GE Co., Tompkins County Airport, 1thaca, N.Y.

 MAYER, HENRY C. (M'58), Exec. V.P., Mayer & Dibell & Co., 1000 Mextern Switz Ecol Fluide Davie Co., 1000 Mextern Swit

- MAYER, HENRY C. (M'58), Exec. V.P., Mayer & Dibrell & Co., Inc., 1608 Western Saving Fund Bldg., Philadelphia 7, Pa.

- & Co., Inc., 16.00 Western Saving Fund Bilds., Philadelphia 7, Pa.

 delphia 7, Pa.

 MAYER, HERBERT A. (S'55-M'59), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MAYER, HERBERT J. (A'41-M'57), Chief Engr., Broadcast, 1412 S. 11 St., Sheboygan, W's

 MAYER, RYINK S. (S'35-A'37-VA'39-SM'52), Chief, Relay & Power Supply Sect., Electronic Components Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 MAYER, JAMES H. (A'55), Mem. Tech. Staff, Bell Tel.

 Labs., 463 West St., New York 14, N.Y.

 MAYER, JOHN M. (A'49), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 MAYER, LUDWIG J. (S'56-A'58), Elec. Engr., RCA, Camden 2, N.J.

 MAYER, MATTHEW F., JR. (S'48-A'52-M'57), Asst., Project Engr., The Emerson-Electric Mig. Co., 8100 W. Florissant St., St. Louis 21, Mo.

 MAYER, RALPH O. (S'54-M'57), Engr., Curtis-Wright Electronics Div., 631 Central Ave., Carlstadt, N.J.

 MAYER, RAYMOND C. (S'57-M'57), Project Engr., Wright Air Development Center, Wright Project Engr., Philadelphia 20, Pa.

 MAYER, ROBERT (SM'59), Head, Research Sect., Minneapolis-Honeywell Regulator Co., Inc., 707 W. Grange St., Philadelphia 20, Pa.

 MAYER, ROBERT H. (S'47-A'48-M'55), Design Specialist, Electron-Mech., Martin Co., Baltimore 3, Md.

 MAYER, ROLLIN P. (M'59), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 MAYERROPER, SIMON R. (S'50-A'51-M'58), Sr. Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View,

- MAYERHOFER, SIMON R. (S'50-A'51-M'5B), Sr. Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View,
- MAYERSON, MURRAY I. (M'49), Mgr., Military Industrial Div., B7-46 123 St., Richmond Hill 1B, L.I., N.Y. MAYES, PAUL E. (S'50-A'54), Research Assoc., Prof., Univ. of Illinois, Urbana, III.
- MAYES, THORN L., JR. (S'51-A'53-M'58), Design Engr., GE Co., 13430 N. Black Canyon Hwy., Phoenix Ariz
- MAYEUX, RAPHAEL (S'57-M'57), Jr. Engr., Southern Bell Tel. & Tel. Co., 317 W. Main St., Lafayette, La. MAYEWSKY, VOLODYMYR Y. (S'56-M'5B), Patent Examiner, U.S. Patent Office, 2706 27 St., N.W., Washington 8, D.C.
- Washington 8, D.C.
 MAYFIELD, BOBBY D. (S'55-A'56), Xytal Supvr.,
 Beveling Dept., Wright Electronics, Inc., 1519
 McGee, Kansas City, Mo.

- McGee, Kansas City, Mo.

 MAYFIELD, JACK D. (A'50), Sales Engr., Electronic Engrg.
 Co. of California, 1601 E. Chestnut St., Santa Ana, Calif.

 MAYFIELD, SILAS A. (A'47-M'55), Project Engr.,
 Convalr, Ft. Worth, Tex.

 MAYFIELD, WILLIAM H. (S'55-M'57), Asst. Operations
 Officer, Nike Project, Systems Test Div., U.S. Army,
 White Sands Proving Grounds, N.M.

 MAYHER, ROBERT J. (S'55-M'59), Research Engr.,
 Philoc Corp., 4700 Wissahickon Ave., Philadelphia, Pa.

 MAYHEW, DANA K. (S'54-M'58), Mem. Tech. Staff,
 Bel Tel. Labs., Whippany, N.J.

 MAYHEW, JAMES A. (S'52-A'54), Asst. Project Engr.,
 Towson 4, Md.

 MAYHEW, THOMAS R. (S'56-M'57), Engr., PCA.
- MAYHEW, THOMAS R. (S'56-M'57), Engr., RCA,
- Camden, N.J.
 MAYLE, ALBERT T., JR. (A'41-SM'58), Project Engr.,
 ITT Labs., 3700 E. Pontiac St., Ft. Wayne, Ind. MAYLE, LOUIS F. (A'47-SM'52), ITT Labs., 3700 E. Pontiac St., Ft. Wayne, Ind. MAYLEBEN, EUGENE F. (S'52-M'56), Field Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N. Y.
- MAYLOTT, CARLETON F. (A'24-VA'39-SM'53), Tech. Coordinator, Amberst Engrg. Lab., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.
 MAYNARD, ARTHUR F. (SM'56), Automation Specialist, LMED, GE CO., Utica, N.Y.
- MAYNARD, CHARLES A. (SM'51), V.P., Research & Engrg., The Indiana Steel Prods. Co., 405 Elm St., Valparaiso, Ind.
- MAYNARD, FREDERICK B. (SM'56), Project Engr., Motor-ola, Inc., 5005 E. McDowell, Phoenix, Ariz.

- MAYNARD, HAMILTON M. (A'45-M'52), Head, Elec. Equipment Sect., Cornell Aeronautical Lab., Inc., 4455 Genesee St., Buffalo 21, N.Y. MAYNARD, JOHN E. (A'29-SM'46), Research Group Engr., Boeing Airplane Co., Box 3707, Seattle 24, Wash. MAYNARD, JOHN H. (M'59), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif. MAYNARD, LAWRENCE A. (S'55-M'56), Defense Scientifec Service Officer-GR 2, Defense Research Board, Shirley Bay, Ottawa, Ont., Canada. MAYNE, W. HARRY (SM'56), V.P., Tech. Services.
- MAYNE, W. HARRY (SM'56), V.P., Tech. Services, Petty Geophysical Engrg. Co., Box 2061, San Antonio 6, Tex.
- MAYNER, GERALD S. (S'48-A'53-M'58), Asst. Project Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
- MAYO, ARTHUR L. (S'55-A'55), Test Methods Engr., RCA, Moorestown, N.J. MAYO. BRUCE R. (A'54), Engr., GE Co., Syracuse, N.Y. MAYO, GEORGILIO A. (S'55-A'56), Customer Engr., IBM. Medical Arts Bldg., San Juan, Puerto Rico. MAYO, HARRY L. (S'51-A'54), Instrument Maintenance Engr., Tektronix, Inc., 49 Pondfield Rd., Bronxville, N.Y.

- Engr., Tektronix, Inc., 49 Pondfield Rd., Bronxville, MAYO, JOHN J., JR. (5'55-M'56), Lt.jg., USN, Communications Officer, USS Taconic (AGC-17), FPO, New York, N. Y.

 MAYO, JOHN S. (A'55), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, NJ.

 MAYO, LYAL E. (A'45), Asst. Design Engr., Radio (1936), Ltd., 6-8 Quay St., Auckland, C.I., New Zealand.
- MAYO, PAUL M. (S'50-A'51-M'58), Sr. Dev. Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.
- MAYO, REID D. (S'47-A'50-M'55), Code 5435A Unit Head, Naval Research Lab., Washington 25, D.C. MAYO-WELLS, WILFRID J. (A'36-M'46-SM'49), Research Engr., Natl. Bureau of Standards; Consultant, 3830 Beecher St., N. W., Washington 7, D. C.

- casting Co., Inc., Hotel Jung, 1500 Canal St., New Orleans, La.

 MAYOROS, WILLIAM A. (A'57), Inspector & Tester of Aircraft Stations, United Air Lines, 5959 S. Cicero, Chicago, III.

 MAYPER, VICTOR, JR. (S'47-A'50-M'56), Mem. Tech. Staff, Hughes Research & Dev. Labs., Culver City, Calif. MAYS, ALFRED S. (A'57), Dev. Engr., Lockheed Missile & Snace Div., 3251 Hanover St., Palo Alto, Calif. MAYS, C., HUGH (S'53-A'55), Asst. Quality Control Officer, U.S. Naval Inspector of Ordnance, 1675 W. 5 St., Pomona, Calif.

 MAYSE, ROBERT L. (S'56-M'57), Asst. Engr., AT&T Co., 811 Main St., Kansas City, Mo.

 MAYURNIK, GEORGE (A'55), Mgr., Process Economics, Grace Research & Development Div., 3 Hanover Sq., New York 4, N.Y.

 MAZA, CEORGE M. (S'55-M'57), Applications Engr., Tung-Sol Electric Co., 200 Bloomfield Ave., Illoamield, N.J.

 MAZE, ROBERT O. (A'47-M'55), Research Sect. Head,

- MAZE, ROBERT O. (A'47-M'55), Research Sect. Head, Aero Div., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.

- Ridgeway Rd., Minneapolis 13, Minn.

 MAZEIKO, CARL K, (S'56-M'59), Field Engr., Sperry Gyroscope Co., Great Neck., L. I., N. Y.

 MAZEL, LEONARD G. (A'49-M'55), Components & Specifications Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 MAZER, WILLIAM M. (S'47-A'48-M'5B-SM'58), Sr.

 Project Mem., RCA, 75 Varick St., New York 13, N. Y.

 MAZONIN, GEORGE V. (S'57-A'58), Technician, Federal Electric Corp., Box 2190, Fairbanks, Alaska.

 MAZUR, DANIEL G. (A'42-SM'53), Chief, Satellite Applications Systems Div., Goddard Space Flight Center, NASA, Washington 25, D.C.

 MAZUR, STANISIAW (M'58), Dev. Engr., Marconi's Wires.
- MAZUR, STANISLAW (M'58), Dev. Engr., Marconi's Wireless Telegraph Co., Ltd., Marconi House Chelmsford, Essex,
- England,
 MAZUR, STANLEY (A'53-M'58), Supry, Engr., Westinghouse Elec. Corp., Metuchen 1, N.J.
 MAZUREK, FLORENCE (S'51-A'54), Project Engr., Elec. Debt., Underwriters Labs., Inc., 161 6 Ave., New York, N.Y.
- MAZURKIEWICZ, HENRY G. (A'52-M'52), Project Coordi-nator, System Development Corp., 2500 Colorado Ave., Santa Monica, Cilifi. MAZURKIEWICZ, RICHARD J. (A'54), Electronics Field Engr., Federal Electric Corp., 100 Kingland Rd., Clifton, N.J.

- MAZZAGATTI, ROY P. (A'54-SM'59), Elec. Engr., Research, The Texas Co., Box 425, Bellaire, Tox.
 MAZZARA, ANTHONY (A'59), Jr. Engr., F. & R, Inc.,
 26-12 Borough Pl., Woodside 77, L.I., N.Y.
 MAZZARELLA, MARIO (A'50), Chief, Tech. Div., Azienda
 di Stato per i Servizi Telegonici, Via del Seminario, Rome,
- MAZZARESE, NICHOLAS J. (S'55-M'56), Engr., Sylvania Elec. Prods., Inc., Waltham 58, Mass. MAZZEI, ALFRED L. (A'47-SM'52), Project Engr., Sperry Gyoscope Co., Great Neck, L.I.., N.Y. MAZZEO, BLAS A. (A'51-M'56), Project Engr., Airpax Electronics, Inc., City of Plantation, Ft. Lauderdale, Fla.
- MAZZIOTTI, FRED (M'55), Group Leader, IBM, Kingston,
- N.Y.

 MAZZIOTTI, ISIDORE J. (S'51-A'52-M'57), Elec. Engr.,
 Polarad Electronics Corp., 2 Franklin Ave., Brooklyn 11,
 N.Y.
- MAZZOCHI, JOSEPH J. (A'55-M'58), Project Engr., Westrex Corp., 20 Matinecock, Port Washington, L.I.,
- MAZZOLA, JOSEPH R. (A'42-SM 51), Chief Engr., Coil Dept., Automatic Mfg. Div., Genl. Instrument Corp., 65 Gouverneur St., Newark 4, N.J.

McA-McC - 287 -

- McADAM, JOHN C. (A'43-M'46), V.P., Engrg., Internati. Electronic Research Corp., 145 W. Magnolia Blvd., Burbank, Calif.
- McADAMS, BRUCE (SM'55), Project Engr., ITT Labs., Nutley 10, N.J.
- Nutley 10, N. J.

 McADAMS, EDWARD E., JR. (S'51-A'54-M'59), Sr.
 Electronics Engr., Plug-In instruments, Inc., 1416 Lebanon RJ., Nashville 10, Tenn.

 McADIE, COLIN H. (M'53), Mgr., Navy Radar Engrg. Sect.,
 Westinghouse Elec. Corp., Ballimore, 3, Md.

 MC ADDRY, ROBERT W. (S'57-M'59), Engr., Wright Air
 Development Center, Wright-Patterson AFB, Ohlo.

 MCAFEE, CLINTON S. (S'49-A'50), Chief Engr., Sure
 Pure Milk Co., Inc., 637 E. Kentucky St., Louisville,
 Ky.

- Pure Milk Co., Inc., 637 E. Kentucky St., Louisville, Ky.

 MCAFEE, PETER (S'51-A'54-M'59), Project Engr., Packard Bell Computer Corp., 1905 Aramcost, Los Angeles 24, Calif.

 MCALEARNEY, PATRICK H. (S'48-A'50), Design Engr., Boeing Alippiane Co., RFD 1, Wichita, Kan.

 MCALEER, HAROLD T. (S'51-A'54-M'59), Dev. Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 MCALISTER, WILLIAM H. (A'53), Supvr., System Design, Lockheed Missile & Space Div., Sunnyvale, Calif.

 MCALLISTER, DELOS R. (SM'5B), Head, GAR-9 Missile Systems Group, Hughes Aircraft Co., Culver City, Calif.

 MCALLISTER, GEORGE P., JR. (S'58-M'59), Elec. Engr., Plug-In Instruments, Inc., Nashville, Tenn.

 MCALLISTER, HOWARD M. (M'58), Mgr., Govt. Service Div., RCA Service Co., Camden, N.J.

 MCALLISTER, JAMES A. (A'49-M'55-SM'57), Cmdr., USN, Exec. (Officer & Asst. Dir., Electronics Lab., San Diego S2, Calif.

 MCALLISTER, JAMES C. (A'52-M'57), Project Instru-

- McALLISTER, JAMES C. (A'52-M'57), Project Instru-mentation Engr., McDonnell Aircraft Corp., Box 516, St. Louis 66, Mo.

- Louis 66, Mo.

 McALLISTER, JAMES T. (A'45), Mfrs.¹ Rep., 4357 Melrose Ave., Los Angeles 29, Calif.

 McALLISTER, JOHN F., JR. (A'42-SM'50), Genl. Mgr., Power Tube Pept., GC, Co., Schenectady, N.Y.

 McALLISTER, JOHN P. (S'58-M'58), Asst. Publications Engr., Sperry Gyroscope Co., Garden City, L.I., N.Y.

 McALLISTER, MAYNARD W., JR. (A'53), Electronics Engr., Convair, Pomona, Calif.

 McALLISTER, MAYO J. (A'52), V.P., Sales Engr., W.E., Fry Co., Inc., 406 W. 34 St., Kansas City 11, McALLISTER, MAYO J.
- Mo.

 McALIPINE, WILL N. (A'48-M'55), Mgr., Coast Electric Co., 1783 Broadway, Redwood City, Calif.

 McANALLY, DAN G. (A'49-M'55), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 McANDREW, THOMAS V. (M'59), Engr., Stavid Engrg., Inc., Rte. 22, Plainfield, N.J.

 McANDREWS, F. CORWIN (SM'55), Engrg. Consultant, Electronics, U. S. Govt., Washington, D.C.

 McANINCH, CHARLES H. (S'54-A'55-M'57), Servomechanism Engr., Emerson Electric, B100 W. Florissant, St. Louls, Mo.

 McARDLE, BERY I. (SM'50), Mar., Electronic Systems

- St. Louis, Mo.

 McARDLE, BERY L. (SM'50), Mgr., Electronic Systems Dept., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 McARDLE, OWEN L. (A'5B), Sgt. 1st Cl., U. S. Army, Home: 195 Seeno Dr., Monterey, Calif.

 McARTHUR, COLIN S., JR. (A'50-M'55-SM'5B), Elec. Engr., American Machine & Foundry Co., 509 W. North St., Raleigh, N.C.

 McARTHUR, ELMER D. (M'42-SM'43-F'45), Mgr., High-Frequency Electronics Sect., Research Lab., GE Co., Schenectady, N.Y.

 McARTHUR, HARVEY K. (S'43-A'44-M'55), V.P., Welex, Inc., Texas Natl. Bank Bildg., Houston, Tex. McATEER, JOHN (A'5B), 671 Jane St., Toronto 9, Ont., Canada.

 McAULAY. WILLIAM H. (A'30-VA'39-M'55), Aced Dir
- MCAULAY, WILLIAM H. (A'30-VA'39-M'55), Asst. Dir., Mktg., Eitel-McCullough, Inc., San Mateo Ave., San Bruno, Calif.

- Bruno, Calif.

 MCAULEY, JAMES A. (M'59), Physicist, Gillette Safety
 Razor Co., Boston, Mass.

 MCAULIFFE, GERARD K. (M'57), Sr. Engr., Westinghouse
 Elec. Corp., Box 1897, Baltimore 3, Md.

 MCAULIFFE, JEROMEJ, J. (S'56-M'59), Electronics Design
 Engr., Convair-Astronautics, San Diego 12, Calif.

 Total Convair-Astronautics, San Diego 12, Calif.
- McAVOY, WARREN G. (SM'55), Dept. Chief, Tech. Publications, Western Electric Co., Lexington Rd., Winston-Salem, N.C.
- Salem, N.C.
 McBAIN, HAROLD F. (M'57), Pipeline Communications
 Engr., Compania Shell de Venezuela, Ltd., Maracaibo,
 Venezuela.
- Venezuela .

 McBEATH , HUGH M , , JR . (A'4B), Genl . Mgr., KSTB, Miller Bidg., Breckenridge, Tex.

 McBEE , WARREN D . (S'4B-A'51-M'55-SM'55), Head, Engro. Dept., Electronic Tube Div., Sperry Gyroscope Co., Great Neck, L.I., N, Y.

 McBILES , CAROL D . (S'5B-M'59), Instr., Univ. of Alabama, University, Ala.

 McBIRNEY, HAROLD R . (A'51-M'56), Asst. Chief, Instrument Div., U.S. . Weather Bureau, Washington, 25, D.C.
- McBLAIN, WILLIAM L. (S'56-M'5B), E.e., Engr., Technitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.
- McBRAIR, HENRY C. (A'42-M'55), Asst. Mgr., Special Prods. Div., Wallace & Tiernan Co., Inc., 11 Mill St., Belleville, N.J.
- McGRIAN, JOHN E. (S'47-A'49-M'55), Dir., New England Engrg. Development Co., 170 Old Post Rd., Old Saybrook, Conn.
- MC BRIDE, BRIAN J. (S'5B-A'5B), Electronics Technician, Provincial Institute of Technology & Art, Calgary, Alta.,
- Canada.

 McBRIDE, GEORGE H. (M'50), Field Engr., Western Electric
 Co.: Chatham Rd., Winston-Salem, N. C.

 McBRIDE, JAMES M. W. (SM'58), Lecturer, Elec. Engrg.,
 The Queen's Univ., Belfast, Ireland.

 McBRIDE, JOSEPH F. (A'52), Engr., Westinghouse Elec.
 Corp., Box 746, Baltimore 3, Md.

 McBRIDE, JOSEPH M. (S'58-M'59), 5330 Wakefield
 St., Philadelphia 44, Pa.

- McBRIDE, LORNE E. (M'56), Tech. Dir., CKCK-TV, Regina, Sask., Canada.

- McBRIDE, NED G. (A'55), Electronics Engr., Bell Aircraft Corp., Niagara Falls, N. Y. McBRIDE, WILLIAM J. (S'50-A'52-M'56), Project Engr., AC Spark Plug, Flint, Mich.
- MCBRIDE, WILLIAM J., JR. (SM'52), Mgr., Radiation Div., Varian Associates, 611 Hansen Way, Palo Alto,
- McBURNEY, MALCOLM D. (S'56-M'58), Assoc. Engr., Raytheon Mfg. Co., 638D Hollister Ave., Goleta, Calif. McCABE, ALBERT P. (M'51), Pres., Aero Guidance Corp., 403 E. Gutlerrez St., Santa Barbara, Calif.

- 4 03 E. Gutierrez St., Santa Barbara, Calif.

 McCABE, FRANK C. (M'59), 533 Clover Lane, Mineapolis 22, Minn.

 McCABE, HARRY P. (S'54-M'57), Engro. Asst., MIT Lincoln Lab., Lexington 73, Mass.

 McCABE, KENNETH C. (S'51-A'52-M'57), Elec. Engr., LMED, GE Co., Utica, N. Y.

 McCABE, LOUIS L. (A'26-M'36-SM'43), Retired FCC Engr., 6419 Flamingo St., Houston 17, Tex.

 McCABE, RICHARD A. (S'53-A'54), Test Technician, Electronics, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 McCABE, WILLIAM M. (M'57), Asst. Prof., Elec. Engr., St. Louis Univ., St. Louis, Mo.

 McCACHEREN. WINFIELD S. (A'44-M'45-SM'47), 2404

- St. Louis Univ., St. Louis, Mo.

 McGACHREN, WINFIELD S. (A'44-M'45-SM'47), 2404
 Columbia Pike, Arlington, Va.

 McCAFFERY, WILLIAM W. (S'56-M'58), Project Engr.,
 Prodelin, Inc., 307 Bergen Ave., Kearny, N. J.

 McCAIN, GEORGE (S'50-A'51-M'58), Field Engr., RCA,
 Camden 2, N. J.

 McCALDIN, JAMES O. (SM'58), Mem. Tech. Staff, Hughes
 Aircraft Co., Prods. Div., Airport Sta., Los Anyeles, Calif.
 McCALL, CARL P. (M'56), Elec. Engr., Jansky & Bailey,
 1339 Wisconsin Ave., N.W., Washington, D.C.

 McCALL, DAVID R. (A'54-M'54), Flight LL., RAF, Officerin-Cho, Basic Radio, No. 1 Wing, No. 1 Radio School,
 RAF, Locking, Weston-Super-Mare, Somerset, England.

 McCALL ENNEST A. (A'47-M'49), Instr., Radio & TV,
- McCALL, ERNEST A. (A'47-M'49), Instr., Radio & TV, Central Tech. Institute, 1644 Wyandotte, Kansas City B, Mo-McCALL, EUGENE G., JR. (M'57), Group Leader, RCA, Camden, N. J.
- Camderi, N. J.

 McCALL, THOMAS C. (A'99), Pres., Ton McCall & Assectiates, Inc., B S. Dearborn St., Chicago 3, Ill.

 McCALL, THOMAS D. (M'57), Electronics Scientist, Diamord Ordnance Fuze Labs., Dept. of Army Ordnance Corps, Washington 25, D.C.

 McCALL, WILLIAM A. (A'47-M'51), V. P., R. C. Merchant & Co., Inc., 18411 W. McNichols Rd., Detroit 19, Mich.
- MICh.

 MCCALLA, THOMAS M., JR. (S'56-M'57), Electronics
 Engr., USASMSA-EWD, White Sands Missile Ramee, N.M.

 MCCALLEN, PAUL M. (SM'54), Maj., Dir., Communications
 & Electronics Programs, Hgrs, CADF, Richards Gebaur AFB,
 Mo.
- Mo.

 McCAALLISTER, JAMES P. (M'56), Engr., Remington Rand Univac, 19 & Allegheny, Philadelphia 29, Pa.

 McCAALLUM, JOHN D. (M'56), Chief, Engro. & Plans Sect., Press Service, U.S., Information Agency, 1776 Pennsylvania Ave., N.W., Washington 25, D. C.

 McCALLUM, ROBERT G. (M'59), Haller, Raymond & Brown, Inc., State College, Pa.

 McCAMPBELL, CARROLL B., JR. (M'54), Div. Supvr., Full Scale Test Div. III, Sandia Corp., Sandia Base, Albuquerque, N.M.

 McCAMDISS, JOHN B. (M'46), 13122 Prospect Ave.,

- Albuquerque, N. M.
 McCANDLESS, JOHN B. (M'46), 13122 Prospect Ave.,
 Santa Ana, Calif.
 McCANN, FARRELL A. (S'49-A'50-M'55), Project Engr.,
 Telemeter Magnetics & Electronics Corp., 2245 Pontius,
 Los Angeles 64, Calif.

- Los Angeles 64, Calif.

 McCANN, FRANCIS H. (A'3B-M'46-SM'52), Radio Engr., FCC, 507 U.S. Courthouse, Portland 5, Ore.

 McCANN, GEORGE R., JR. (A'56), Field Service Rep., GE Co., Ulica, N. Y.

 McCANN, GILBERT D. (SM'55), Prof., Elec. Engrg., California Institute of Technology, 1201 E. California St., Pasadena, Calif.
- PASAGERIA, JAIIF.

 MCCANN, JAMES F. (A'57), Owner, Instrument Associates, 1315 Massachusetts Ave., Arlington 74, Mass.

 McCANN, JOE G. (A'4B-M'55-SM'56), V. P. & Dir., Engro., Canoga Div., Underwood Corp., 15330 Oxnard St., Van Nuys, Calif.

- St., Van Nuys, Calif.

 McCANN, JOHN E. (M'57), Chief Factory Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
 McCANN, MARSHALL J. (S'48-A'50-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 McCANN, RICHARD P. (M'54-SM'56), Elec. Engr., Sandia Base, Albuquerque, N. M.
 McCANN, ROBERT T. (S'49-A'52-M'56), Electronics Engr., Nary Derk., Bureau of Ships, 1B & Constitution Aves., Washington, D. C.
 McCANN, THOMAS A. (120-A120-M'55)

- Engr., Navy Dept., Dureau of Silbs, 16 a Constitution Aves Washinston, D. C.

 McCANN, THOMAS A. (1/20–A/22–M/55–SM/56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 McCANTS, DONALD G. (5/57–M/59), Field Rep., IBM, 933 S. Jefferson St., Roanoke, V.

 McCARLEY, HENRY H. (A/44–M/49–SM/52), Capt., USN, Communication Officer, Staff Commander Western Sea Fronkier, Treasure Island, San Francisco, Calif.

 McCARRON, STEPHEN I. (S/51–A/52–M/56), Telephone Transmission Engr., Gent. Telephone Co. of California, 2020 Santa Monica Bivd., Santa Monica, Calif.

 McCARRELL, RAYMOND H. (A/57–M/57), Group Leader, Hallicrafters Co., 4401 W. 5 Ave., Chicago /III.

 McCARRELL, STUART G. (M/55), V.P., American Sound Prods., 404 S. Wells, Chicago, III.

 McCARROLL, ARCHIBALD K. (A/51), Electronics Technician, Electrical Industries, Inc., 691 Central Ave., Murray Hill, N. J.

 McCARROLL, JOSEPH F., JR. (S/49–A/51–M/56), Asst.

- Murray Hill, N. J.

 McCARROLL, JOSEPH F., JR. (S'49-A'51-M'56), Asst. Project Engr., Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 McCARRON, DEAN J. (S'55-M'56), Capt., U.S. Army, Ordnance Corps, Exec. Officer, Research & Dev. Div., Water-liet Arsanal, Water-liet, N. Y.

 McCARRON, FRANK J. (A'54), Transmitter Technician (TV & FM), WCAU, Inc., City Line at Monument Rd., Philadelphia 31, Pa.

 McCARRON INDIA: ALEGO.
- McCARRON, JOHN J. (M'5B), Rte. 2, Waterloo, Ont., MCCARTER, G. BERRY (S'43-A'45-M'53), Project Engr., IBM, Kingston, N.Y.

- McCARTER, OLIVER T. (S'53-A'55), Sr. Project Engr., A.C. Electronics Div., GMC, 1925 E. Kenilworth PI., Milwaukee 1, Wis.
- A.C. Electronics DIV., GMC, 1925 E. Kenliworth Pl., Milwaukee 1, Wis.

 McCARTER, WILLIAM L. (4/51-M/56), Pres. & Genl. Mgr., Chief Engr., McCarter Radio & Television, Ltd., 16:25 W. 3rd Ave., Vancouver 9, B.C., Canada.

 McCARTHY, A. A. (4/47), R.M.E., BOAC, c/o James Finlay, Colombo, Ceylon.

 McCARTHY, BERNARD R. (M/57), District Sales Engr., Sylvania Elec. Prods., Inc., 4700 Parkside Ave., Philadelphia 31, Pa.

 McCARTHY, CHARLES E. (SM'57), Mgr., Medical Applications, IBM, Rochester, Minn.

 McCARTHY, CHARLES S., JR. (M'5B), Project Engr., Philoc Corp., C & Tiopa Sts., Philadelphia 34, Pa.

 McCARTHY, DANIEL J. (S'54-M'57), Microwave Jr.

 Engr., Raytheon Mfg. Co., Wayland, Mass.

 McCARTHY, DONALD W. (S'50-A'53-M'5B), Instrumentation Engr., Boeing Airplane Co., Box 3107, Seattle 14, Wash.

 McCARTHY, EDWARD A. (S'52-A'53-M'5B). Carrier

- wasn.

 McCARTHY, EDWARD A. (S'52-A'53-M'5B), Carrier
 Systems Engr., RCA Service Co., Patrick AFB, Fla.

 McCARTHY, EDWARD R. (A'55), Owner, McCarthy Associates, 1055 E. Walnut, Pasadena, Caiif.

 McCARTHY, FRANCIS J. (M'53), Engr-In-Chg., Quality &
 Applications, Special Tube Operations, Sylvania Elec.

 Prods., Inc., 1B91 E. 3rd St., Williamsport, Pa.

- Prods., Inc., 1B91 E. 3rd St., Williamsport, Pa.

 McCARTHY, FRED M. (A'30-VA'39), Lt. Col., USAF,
 Retired, 41.6 Morningside Dr., N. E., Albuquerque, N. M.

 McCARTHY, HENRY J. (SM'577), Pres., Bomac Labs., Inc.,
 Salem Rd., Beverly, Mass.

 McCARTHY, JAHKES J. (S'57-M'59), Test Equipment
 Designer, GE Co., HMED, Syracuse 1, N.Y.

 McCARTHY, JOHN D. (A'56), Tube Application Engr.,
 Raytheon Mfg. Co., Bedford, Mass.

 McCARTHY, JOHN G. (M'55), Chief Project Engr., Anderson-Nichols & Co., 150 Causeway St., Boston, Mass.

 McCARTHY, JOHN G. (S'55-M'57), Design Engr., Raytheon
 Mfg. Co., Waltham, Mass.

 McCARTHY, JOHN W. (S'55-M'58), Mem. Tech. Staff,
 Snace Technology Labs., 5730 Arbor Vitae St., Los
 Angeles 45, Calif.

 McCARTHY, LOUIS J., JR. (M'56), Electronics Engr.,

- snace reginology Labs., p.730 Arbor Vitae St., Los Angeles 45, Calif.

 McCARTHY, LOUIS J., JR. (M'56), Electronics Engr., Dept. of Defense, Natl. Security Agency, Ft. Meade, Md. McCARTHY, ROBERT R. (S'47-A'50), Engrg. Supvr., AC Spark Plug. 1925 E. Keni worth Pl., Mil waukee 2, Wis. McCARTIN, LAWRENDCE M. (S'47-A'50), Head y Weapon Systems Dept., Research Labs. Div., Bendix Aviation Corp., Northwestern Hawy. & 10 1/2 Mile Rd., Box 5115, Detroit 35, Mich. McCARTHEY, FARL (A'54), Sr. Project Engr., Sperry Gyroscope Co., Great Neck, L.J., N.Y. McCARTHEY, WILLIAM B. (S'58-M'5B), Assoc. Engr., Westinghouse Elec. Corp., Baltimore, Md. McCARTY, FDWARD W. (M'54), Electronics Engr., Asst. Industrial Mgr., USN, 2400 11 Ave., S.W., Seattle 4, Wash. McCARTY, FRANK H. (A'53), Industrial Engr., Philco

- Wash.

 McCARTY, FRANK H. (A'53), Industrial Engr., Philoo
 Cop., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 McCARTY, JAMES M. (A'47), Chief, Engrg., Chicago
 Aerial Industries, Inc., 1980 Hawthome Ave., Melrose
- McCARTY, JAMES M. (A 47), Chief, Engrg., Chicago Aerial Industries, Inc., 1980 Hawthome Ave., Melrose Park, III. McCARTY, JOHN R. (A'53), Sr. Engr., Firestone Tire & Rubber Co., 1200 Firestone Pkwy., Akron, Ohlo. McCARY, RICHARD O. (S'51-A'52-M'57), Magnetics Engr., Computer Dept., GE Co., Box 270, Phoenix, Ariz.

- Ariz.

 MCCASKILL, WILLIAM K. (M'5B), Field Engr., Hazeltine
 Electronics Div., Little Neck, L. I., N. Y.

 MCCASLAND, GEORGE P. (A'5B-M'5B), Engr. "B", RCA,
 Camden 2, N. J.

 MCCASLAND, GERALD R. (A'53), Field Engr., Magnetic
 Analysis Corp., 42-44 12 St., Long Island City 1, N, Y.

 MCCASLAND, RAYMOND S. (S'49-M'55), Lead Engr.,
 Electronics, Temco Aircraft Corp., Box 6191, Dallas,
 Tex.
- Tex.

 McCASLIN, LOUIS B., JR. (M'58), Field Supvr., ARINC Research Corp., c/o ComNavAirLant. NAS, Norfolk 11, Va McCAUGHAN, HERSCHEL M. (A'56), Head, Advanced Dev. Sect. Test Equipment, Delco Radio Div., GMC, 700 E. Firmin, Kokomo, Ind.
- McCAUGHNA, JAMES R. (M'53), Chief Engr., Radio Mfg. Co., Inc., 245 Santa Barbara Airport, Goleta, Calif. McCAUL, JOHN N. (A'55), Natl. Supvr., Airline Sales, Electronic Prods., Sylvania Elec. Prods., Inc., 1000 Huyler St., Teterboro, N.J.
- MCCAULEY, CLYDE, JR. (M'4B), Sr. Engr. Specialist, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
- Ohio.

 McCAULEY, DONALD D. (S'55-M'5B), Electronics Officer, USS John R. Craig (DDBB5), FPO, San Francisco, Calif.

 McCHARLES, JOHN R. (M'46-SM'5B), Dir., Weapon Systems Testing, System Dev. Labs., Hughes Aircraft Co., Culver City, Calif.

 McCHESNEY, PHILIP E. (S'57-M'59), Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 McCLAIN, EDWARD F., JR. (M'49-SM'53), Head, Radio Astronomy Branch, Naval Research Lab., Washington 25, D. C.

- D. C.
 McCLAIN, WILLIAM J. (S'55-M'57), Dev. Engr., Speny
 Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.
 McCLAMROCK, JOHN M. (S'44-A'47-M'55), 7637 S.
 Yakima, Tacoma, Wash.
 McCLANAHAN, JAMES M. (S'57-M'57), Test Engr., Con-
- NOCLANHAM, JAMES M. (S'57-M'57), Test Engr., Convair, Fl. Worth, Tex.

 McCLANAHAN, MAURICE E. (S'56-M'59), Electronics
 Systems Engr., Chance Vought Aircraft, Inc., Dallas, Tex.

 McCLANAHAN, ROBERT T. (A'45-M'50), Electronics
 Design Engr., Bendix Aviation Corp., 11600 Sherman
 Way, North Hollywood, Callf.

 McCLANAHAN, WILLIAM J. (S'4B-A'51), Partner, McClanahan Electric Co., England, Ark.

 McCLANAHAN, GRORGE L. (A'52-M'57), DIr., Engrg.,
 KPHO Radio & TV, 631 N. 1st Ave., Phoenix, Ariz.

 McCLANE, CHARLES T. (M'52), Genl. Foreman, Test,
 Westinghouse Elec. Corp., Rte. 27, Metuchen, N. J.

 McCLARD, HERMAN H. (A'57), Sr. Electronics Technician,
 Radiation Lab., Univ. of California, Berkeley, Calif.

 McCLARC, HERMAN H. (SM'54), Consulting Engr., 600

 York Rd., Jent:intown, Pa.

- McCLARY, DAVID A. (A'53-M'57), Research Engr., Lockheed Aircraft Corp., Hanover St., Palo Alto, Calif. McCLAY, MARVIN (M'57), Asst. Chief Engr., Rotating Components, Beckman/Helipot, 2500 Fullerton Rd., Fullerton, Calif.
- McCLAY, WILLIAM C. (S'56-M'59), Assoc. Engr., Martin Co., Baltimore, Md. McCLEAN, J. F. (A'43-M'45-SM'51), Pres., Spectrum Instruments, Inc., Box 61, Steinway Sta., Long Island City 3, N.Y.
- CRY 2, N.Y.

 McCLELLAN, CYRIL E. (M'45-SM'50), V.P., Engrg.,
 California Technical Industries, 1421 Old County Rd., Belmont, Calif.
- McCLELLAN, DAVID H. (S'51-A'53), Systems Tester, Hughes Aircraft Co., Fullerton, Calif.

- Hughes Aircraft Co., Fullerton, Calif,
 McCLELLAN, GEORGE B. (SM'46), Div. Head, Hazeltine
 Electronics Div., Little Neck 62, L.I., N.Y.
 McCLELLAN, JAMES P. (M'56), Physicist, U.S. Army,
 Electronic Proving Ground, Ft. Huachuca, Ariz.
 McCLELLAN, JESSE, C., JR. (S'52-A'53-M'58), Engr.,
 Collins Radio Co., 1930 HiLine, Dallas, Tex.
 McCLELLAN, K. C. (A'57), Contracts Mgr., Air Force
 Operations, Hoffman Labs. Div., 1915 Shaftesbury Rd.,
 Dayton 6, Ohio.
- McCLELLAN, LLOYD D. (S'50-A'50-M'56), Mgr., Flight Test Instrumentation Dept., Hughes Aircraft Co., Culver City, Calif.
- McCLELLAND, FRANK M. (M'57), Asst. Prof., Elec. Engrg., The Univ. of Tennessee, Knoxville 16, Tenn. McCLELLAND, HERBERT (A'55), Bldg. Supt., New York, Certral Railroad System, 466 Lexington Ave., New York, N.Y.
- N.Y.

 McCLELLAND, WALTER B. (M'52), Research Engr., Teletype Corp., 1400 Wrightwood Ave., Chicago 14, III.

 McCLELLAND, WILLIAM R. (A'55), Mem. Tech. Staff, Beil Tel. Labs., Murray Hill, N.J.

 McCLENON, DONALD (A'41-M'48-SM'51), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 McCLINTOCK, DARWIN G. (S'47-A'52-M'57), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.

- Angeles 45, Calif.

 McCLINTOCK, RAYMOND K. (A'37-M'41-SM'43), Mgr.,

 Mountain View Tube Plant, Sylvania Elec. Prods., Inc.,

 Mountain View, Calif.

 McCLOSKEY, KEITH P. (S'50-A'52), Asst. Mgr., Consumer

 Goods Production Dept., Philips Electronics Industries, Ltd.,

 Toronto 17, Ont., Canada.

 McCLOUD, BURTJ. (A'52-M'58), Field Engr., Univ. of

 California, Box 1663, Los Alamos, N.M.

 McCLOUD, WILLYS W. (S'40-A'44-M'55), Supvr.,

 A-250, Elec. Electronics, Douglas Aircraft Co.,

 Santa Monica, Calif.

 McCLUNG, HENRY A. (A'59), Tech. Writer, Western Elec-

- Santa Monica, Jaili.

 MCCLUNG, HENRY A. (A'59), Tech. Writer, Western Electric Co., 44/5t., Winston-Salem, N. C.

 MCCLUNG, RALPH R. (A'45-M'52), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calli.

 MCCLUNG, WAYNE C. (M'53), Dir., Engrg., Dixle Theatre
 Service & Supply Co., Inc., 1010 Stappey Dr., Albany,
- McCLUNG, WILLIAM E. (A'58), Asst. Engr., GE Co., Richland, Wash.
- MCCLURE, CHARLES B., JR. (M'56), Project Mech. Engr., Bendix Radio Div., Baltimore 4, Md. MCCLURE, DONALD E. (M'57), Engr., Univ. of California Radiation Lab., Berkeley 4, Calif.
- RADIATION LAD., DerKeley 4, CAIII.

 MCCLURE, DONALD H. (A'5-4), Radome Design Supvr.,
 Zenith Plastics Co., 1600 W. 135 St., Gardena, Calif.
 MCCLURE, GEORGE F. (M'57), L., ig. USNR, Instr.,
 Dept. of Elec. Engrg., U.S. Naval Academy, Annapolis, Md.

 **CLURE, GLEN E. (M'57), Sr. Project Engr., Electronic
 poccialty Co., 5121 San Fernando Rd., Los Angeles 39,
- McCLURE, KENNETH M. (S'57-M'59), Elec. Engr., U.S. Naval Air Development Center, Johnsville, Pa. McCLURE, LINDLEY W. (SM'58), Electronics Consultant, LAAPD, USAF, 1206 Maple St., Los Angeles, Calif.
- McCLURE, ROBERT C. (M'56), Design Engr., GE Co., Syracuse, N.Y.

- Syracuse, N.Y.

 McCLURE, ROBERT E. (A'52-M'57), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 McCLURE, ROBERT M. (S'52-M'56), Engr., Texas
 Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 McCLURE, ROBERT W. (S'53-A'55), Asst. Service Engr.,
 E. I. du Pont de Nemours & Co., Inc., Louviers Bidg.,
 Newark, Del.
- McCLURG, GREGG H. (SM'47), Electronics Scientist, Office of Chief of Research & Development, Dept. of Army, Arlington Hall Sta., Washington 25, D.C.

- Army, Arlington Hall Sta., washington 25, J. C.
 MCCLUSKEY, EDWARD J., JR. (S'51-M'55), Mem. Tech.
 Staff, Bell Tel, Labs., Whippany, N. J.
 MCCLUSKEY, JOSEPH L. (M'58), Project Engr., Northeastern Engrg., Inc., Manchester, N. H.
 MCCLUSKEY, PAUL M. (M'55), Lt. Cmdr., USN, Staff
 Electronics Countermeasures Officer, U. S. Military Mission
 for Aid to Turkey, APO 254, New York, N. Y.
 MCCLUSKEY, VINCENT (M'49), 5 W. 63 St., New
 York 23, N. Y.
- McCOIG, KENNETH W. (A¹59), Electronics Engr., Helipot Piv., Beckman Instruments, Inc., 2500 Fullerton Rd., Fullerton, Calif.
- OIN, KENNETH H. (S'57-M'59), Elec. Engr., Wright of Development Center, Wright-Patterson AFB, Ohio.
- "T Development Center, Wright-Patterson AFB, Ohio."
 OI LISTER, DONALD R. (A'45-MF55), Chief Engr.,
 ololes Broadcasting Corp., Radio Sta. WGAR, 9446
 *>adview Rd., Brecksville, Ohio.
 OLLOM, KENNETH A. (M'53), Chief, Instrument Dev.,
 omic Energy Div., Phillips Petroleum Co., Box 2067,
 Libb Falls, Idaho.
- *IcCOLLOR, ROBERT L. (M'54-SM'57), Leader, Airborne C. mmunications Development, RCA, Camden, N.J.
- C. mnunications Development, RCA, Camden, N.J. McCOLLUM, ARNOLD J. (A'58), Physicist, White Sands Missile Range, N.M.
 McCOMAS, ARTHUR D., JR. (A'47-SM'55), Principal Engr., Bendix Radio Div., Towson 4, Md.
 McCOM8, BERTON J. (M'58), V.P. & Dir., Engrg., Engineered Magnetics Div., Guiton Industries, Inc., 13041 Cerise Ave., Hawthome, Calif.

- McCOMB, DONALD S. (M'56), Specialist, Tech. Assignments, GE Co., Utica, N.Y.
 McCOMBE, DAVID H. (S'52-A'53-M'57), Project Engr.,
 Bendix Radio Div., Towson 4, Md.
 McCOMBER, CLARENCE A. (A'58), Box 422, Sierra
- McCOMBS, JOHN W. (S'55-M'58), Instr., Elec. Engrg., Clemson College, Clemson, S.C. McCONACHIE, BERT S. (SM'56), Sect. Head, Systems Engrg., Raytheon-Canada, Ltd., 61 Laurel St., Waterloo, Ont., Canada.
- McCONAUGHY, DAVID L. (M'50), Sr. Fellow, Mellon Institute of Industrial Research, 4400 5 Ave., Pittsburgh 13, Pa.
- McCONAUGHY, ROBERT L. (S'48-A'50-M'55), Elec. Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.
- McCONE, GORDON L. (M'52), Sr. Project Engr., Inter-state Electronics Corp., 707 E. Vermont St., Anaheim, Calif.

- state Electronics Corp., 707 E. Vermont St., Anaheim, Calif.
 McCONNACHIE, WILLIAM A. (A'56), Supt., Prod.
 Verification Engrg. Dept., Canadiam Westinghouse Co., Ltd., Brantford, Ont., Canada.
 McCONNEL, WILLIAM G. (A'28-M'43-SM'43), Pres., Southern Industries, Inc., Old Fort, N. C.
 McCONNELL, BRIAN (A'59), Technician, Research Industries, Itd., 1777 W. 3rd, Vancouver, B. C., Canada.
 McCONNELL, BRIAN (A'59), Technician, Research Ingustries, Itd., 1777 W. 3rd, Vancouver, B. C., Canada.
 McCONNELL, HAROLD E. (A'33-VA'39-SM'58), Consulting Engr., Convair, Ft. Worth, Tex.
 McCONNELL, HAROLD E. (A'33-VA'39-SM'58), Consulting Engr., 1005 Hyde Park Blvd., Houston 6, Tex.
 McCONNELL, HOWARD M. (M'54), Mgr., Research & Dev., Jack & Heintz, Inc., Cleveland I, Ohio.
 McCONNELL, IRVING R. (A'47-M'47), Electronics Engr., FCC, Washington 25, D. C.
 McCONNELL, JAMES W. (M'59), Sect. Chief, Elec.Electronic, USAF, Kelly AFB, Tex.
 McCONNELL, JOHN H. (SM'53), V.P., Electro-Sonic Labs., Inc., 35-54 36 St., Long Island City 6, N. Y.
 McCONNELL, KENNETH R. (SM'53), Asst. Dir., Engrg., Times Facsimile Corp., 540 W. 58 St., New York 19, N.Y.
 McCONNELL, ROBERT M. (S'135-A'38-SM'47), Assoc.
 Research Prof., Biophysics, Univ. of Pittsburgh, Pittsburgh 13, Pa.
 McCONNELL, ROBERT W. (M'58), Supry, Electronics
- McCONNELL, ROBERT W. (M'58), Supvy. Electronics Engr., FAA, 5651 Manchester Ave., Los Angeles 45, Calif.
- McCONNELL, ROGER A. (M'58), 829 Oregon Ave., Palo Alto, Calif.
- Alto, Calif.

 McCONNELL, T. E. (A'42-SM'50), Mgr., Engrg. Div., A, Collins Radio Co., Cedar Rapids, Jowa.
 McCONNELL, VERNON I. (A'52), Telecommunications
 Officer, Dept. of Defense, Washington 25, D. C.
 McCONOUGHEY, SAMUEL R. (S'48-4'50-M'56), District
 Sales Mgr., Microwave, GE Co., 3200 Maple Ave.,
 Dallas, Tex.
 McCONK IAMES A. MCCON
- Dallas, Tex.

 McCOOK, JAMES M. (M'58), Engr., RCA Victor Co., Ltd.,
 105 Lacasse St., Montreal 80, P. Q., Canada.

 McCOOL, CHRISTOPHER D. (M'53-SM'56), Mor., Entertainment Tube Design, Receiving Tube Dept., GE Co., 316
 E. 9 St., Owensboro, Ky.

 McCOOL, JOHN M. (S'49-A'53-M'58), Electronics Engr.,
 U.S. Naval Ordnance Test Sta., 3202 E. Foothill Blvd.,
 Pasadena, Calif.

- Orange of the Company of the Company
- McCORMACK, THOMAS L. (A'48-M'55), Sr. Electronics Engr., Lab. for Electronics, 1079 Commonwealth Ave., Boston, Mass.
- Boston, Mass.

 McCORMICK, CHARLES E. (A'48), Owner, McCormick
 Enterprises, 125 N. 8 St., Grand Junction, Colo.

 McCORMICK, DONALD A. (M'54), TV Engr., Standard Electronics Corn., 2901 Borden Ave., Long Island City 1, N.Y.

 McCORMICK, EDWARD M. (A'43-M'46-SM'53), Head,
 Data Assessment Div., Naval Ordnance Lab., Corona,
 Calif.

- Calif.

 McCCRMICK, GEORGE F. (S'50-M'55), Asst. Chief, Pre'imlinary Design, Avionics Div., AeroJet-Genl. Corp., Azusa, Calif.

 McCCRMICK, GLENDON C. (A'54), Physicist, Natl. Research Coumcil, Montreal Rd., Ottawa 1, Ont., Canada.

 McCORMICK, JAMES R. (S'55-M'56), Flect. Engr., The Cleveland Electric Hiumlinating Co., 75 Public Sq., Cleveland 1, Ohio.
- Iand I, Ohio.

 McCORMICK, JOHN E. (S'49-A'50-M'55), DIv. Plant
 Supt., Geni. Telephone Co. of Illinois, Bloomington, III.

 McCORMICK, JOHN M. (SM'57), Pres. & Chief Engr.,
 Naniloa Corp., Box 2791, Sta. B., Toledo 6, Ohio.

 McCORMICK, LAWRENCE P. (A'44), Studio & Field Engr.,
 American Broadcasting Co., 7 W. 66 St., New York 23,
 N.Y.
- MCCORMICK, RAYMOND E. (A'44-M'46-SM'53), Chief, Detection Techniques Sect., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- uemer, wright-Patterson AFB, Ohio.
 McCORMICK, SETH T., JR. (A'52-M'57), Dept. Mgr.,
 Applied Science Corporation of Princeton, Princeton, N. J.
 McCORMICK, WILLIS G. (S'55-M'58), Jr. Mem. Tech.
 Staff, ITT Labs., 15151 Blcdsoe St., San Fernando,
 Calif.
- Calif.

 McCDRVEY V. AVIS (A'42-M'46), Owner, V. Avis McCorvey Co., 215 Church St., Decatur, Ga.

 McCOTTER, JAMES D., JR. (A'54), Transistor Design & Dev., Philico Tube Lab., Church Rd., Lansdale, Pa.

 McCOUBREY, ARTHUR O. (S'43-A'45-SM'50), Mgr., Physics Dept., National Co., Inc., 34 Essex St., Melrose, Mass.

- McCOUGH, GORDON P. (\$'41-A'45-SM 53), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass. McCOURT, ARTHUR R. (\$'43-A'45-M'55), Assoc. Communications Engr., The Montana Power Co., 40 E. Broadway, Butte, Mont.
- Broadway, Butte, Mont.
 McCOWN, MOMER H. (S'52-A'54), Asst. Prof., Elec.
 Engrg., Mississippi State Univ., State College, Miss.
 McCOWN, JAMCS R. (S'47-M'53), Electronics Engr.,
 FAA, Washington, D.C.
 McCOY, ALFRED M. (M'54), Sr. Engr., Microwave Antemas, Raytheon Mfg. Co., Wayland, Mass.
- McCOY, BENJAMIN F. (A'53), Research Engr., Jersey Production Research Co., 1133 N. Lewis Ave., Tulsa 10, Okla.
- McCOY, CLAUDIUS T. (A'37-SM'46), Sr. Research Specialist, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- McCOY, DAVID O. (A'46-SM'50), Asst. Dir., Research & Dev., Collins Radio Co., Cedar Rapids, Iowa. Dev., Collins Radio Co., Cedar Rapids, Iowa.

 McCOY, DONALD R. (A'54), Engr., GE Co., Syracuse,
- McCOY, DONALD S. (S'54-M'58), Elec. Engr., RCA Labs., Princeton, N.J.

- Labs., Princeton, N.J.

 McCOY, E. CLARK (S'48-A'53), Mgr., Prod. Design, Computer Lab., GE Co., 13430 N. Black Canyon Hwy. Phoenix, Ariz.

 McCOY, HERBERT L. (S'50-A'51-M'56), Sr. Supvo. Engr., Electronics Service, Westinghouse Elec. Corp., 600 St. Paul Ave., Los Angeles 17, Calif.

 McCOY, J. C. (A'40-M'42-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 McCOY, J. HARVEY (SM'51), Staff Engr., Riverside Plastics Corp., 220 Miller Rd., Hicksville, L.I., N.Y.

 McCOY, JACK W. (A'57-M'59), Owner, Sales Engr., Jack McCoy, 300 Broadway, Camden, 3, N.J.

 McCOY, JOHN F. (S'49-A'50-M'55-SM'57), Engrg. Group Leader, Airborne Radar & Missile Engrg., RCA, Camden, N.J.

 McCOY, LEONARD L. (A'58), Jr. Electronics Engr., Fair-McCOY, ELONARD L. (A'58), Jr. Electronics Engr., Fair-McCOY, LEONARD L. (A'5
- Camden, N. J.

 McCOY, LEONARD L. (A'58), Jr. Electronics Engr., Fairchild Astrionics, Straightpath Rd., Wyandanch, L. I., N. Y.
 McCOY, RAWLEY D. (A'40-M'55-SM'57), V. P., Reeves
 Instrument Corp., Roosevelt Field, Garden City, L. I., N. Y.
 McCOY, ROBERT E. (A'41-M'46-SM'58), Staff Engr.,
 Electronic Control Systems Div., Stromberg-Carlson Co.,
 2231 S. Barrington Ave., Los Angeles 64, Calif.
 MCCOY, PREPET I. (S'65-A'85), Acc., Signal Cinville
 MCCOY, PREPET II. (S'65-A'85), Acc., Signal Cinville
 MCCOY, PREPET III. (S'65-A'85), Acc., Signal Cinville
 MCCOY, PREPET II. (S'65-A'85), Acc., Signal Cinville
 MCCOY, PREPET II
- 2231 S. Barrington Ave., Los Ángeles 64, Calif.
 McCOY, ROBERT J. (S'56-A'57), Asst. Signal Circuit
 Engr., New York City Transit Authority, 370 Jay St.,
 Brooklyn, N.Y.
 McCOY, ROBERT T. (A'43-SM'58), Mem. Tech. Staff,
 Hughes Research & Dev. Labs., Culver City, Calif.
 McCOY, SAMMY E. (M'55), Field Engr., RCA Service C:
 Eleuthera AAFB, B.W.I., c/o Patrick AFB, Fla.
 McCOY, WILLIAM B. (S'52-A'54-M'58), Project Engr.
 IBM, Kingston, N.Y.
 McCRACKEN, HARRY J. (S'55-M'58), Test Engr., NucleProds. Div., ACF Industries, Box 1666, Albuquerque,
 N.M.

- M.CCRACKEN, LESLIE G., JR. (S'47-A'4B-SM'55)
 ASSOC. Prof., Elac. Engrg., Lehigh Univ., Bethlehem,
 Pa.; Genl. Atronics Co., Bala Cynwyd, Pa.
- Pa.; Jenii. Atronics Co., Bala Cynwyd, Pa.

 McCRAE, ARTHUR W. (S'56-M'59), Instrumentation E
 Combustion Engrg., Nuclear Div., Prospect Hill R1.,
 Windsor, Conn.

 McCRARY, DONALD E. (A'53), Project Dev. Engr.,
 Motorola, Inc., 3102 N. 56 St., Phoenix, Friz.

 McCRARY, CORDON W., JR. (M'58), 1772 Ebers St. St.
 Diego 7, Calif.
- Diego 7, Callf.
 McCRATE, JOSEPH G. (S'53-M'57), Crothers Memorial
 Stanford Univ., Stanford, Calif.
 McCRAY, HARRISON R., JR. (A'51-M'58), Electronics
 Engr., Pneumafil Corp., 2516 Wilkinson Blvd., Charlotte, N.C.
- McCREADY, KARL F. (M'50), Sr. Engr., Northrop Air-craft, Inc., Hawthome, Calif. McCREANOR, RICHARD A. (A'55), Research Engr., Jon. & Laughlin Steel Corp., 900 Agnew Rd., Pittsburgh 27

- McCREARY, HAROLD J. (SM'43), Sr. Project Engr., Genl. Telephone Labs., Northlake, III. McCREARY, HENRY S., JR. (A'51), Engrg. Mgr., Spo-Atomic Project Dept., Westinghouse Elec. Corp., 107 Terrace Ct., Pittsburgh 27, Pa. McCREARY, JOSEPHT. (A'58), Radio Installer Registration Mountain States Telephone Co., 510 Texas St., ELPassotex.
- McCREARY, RALPH L. (SM'50), Dir., Research Div Collins Radio Co., Cedar Repids, Iowa. McCREARY, WILLIAM J. (S'57-M'59), Design Electr Engr., Motorola, Inc., 8201 E. McCowell Rd., Phoer v Ariz.
- Engr., Motorola, Inc., 8201 E. McOowell Rd., Phoer y Ariz.

 McCROCKLIN, ROBERT E. (M'54), Electronics Research Design & Dev. Consultant, Box 784, Terre Haute, Inc. McCRORY, JAMES R. (S'4Ba-450-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whitppany, N. J.

 McCROSKEY, ADRIAN A. (M'52-58-M'54), Genl. Engr., U. S. Naval Ordnance Lab., Corona, Calif.

 McCRUM, KENNET H. (M'56), V. P., Research & Dev. Space Corp., Shiloh Rd. & Fairdale, Carland, Tex.

 McCUAIG, JOHN E. (M'54), Missile Engr., Radioplane C. 8600 Woodley Ave., Van Nuys, Calif.

 McCUAIG, NORMAN E. (M'57), Communications Engr., RCAF, N. D.H.Q., Oltuwa, Ont., Canada.

 McCUE, DALE E. (S'55-A'57), Electronics Technician, Convair-Astronautics, San Diego 11, Calif.

 McCUE, J. J. GERALD (SM'58), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 McCULLEY, JAMES M. (S'50-A'51), Project Leader, RCA, Moorestown, N.J.

 McCULLOCH, GEORGE R. (J'27-A'30), Radio Service Engr., McCulloch Radio Supply Co., 28 Amstrong St., N., Balarat, Victoria, Australia.

 McCULLOCH, WARREN S. (SM'54), Staff Mem., Research Lab. of Electronics, MIT, Cambridge 39, Mass.

 McCULLOUGH, JACK A. (A'39-SM'52-F'53), V.P. & Trease File-IndeCulpuble No. 798 San Mitte Outen Andrea Men. Andrea Aven.

- Lab. of Electronics, MIT, Cambridge 39, Mass. McCULLOUGH, JACK A. (A'39-SM'52-E'53), V.P. & Treas., Eitel-McCullough, Inc., 798 San Mateo Ave., San Bruno, Calif.
 McCULLOUGH, JOHN S. (A'47-M'51-SM'56), Dir., Recarth & Dev., Eitel-McCullough, Inc., 798 San Mateo / vc., San Bruno, Calif.

- McCULLOUGH, JOHN V. (S'52-A'53), Project Engr., Litton Industries, San Carlos, Calif. McCULLOUGH, JOSEPH H. (A'52), Sr. DesIgn Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass. McCULLOUGH, THOMAS (S'58-A'59), Electronics Techni-cian, Norden Div., United Aircraft Corp., Commack, L.I., N.Y.
- McCULLOUGH, WILLIAM R. (S'54-M'57), 2466 Hilgard

- McCULLOUGH, WILLIAM R. (S'54-M'57), 2466 Hilgard Ave., Berkeley 9, Calif.

 McCULLY, GERALD R. (S'49-A'50-M'56), Elec. Engr., Lincoln Lab., MIT, Lexington 73, Mass.

 McCULLY, ROBERT G. (A'56), Sr. Designer, Transsonics, Inc., Rte. 1.28, Burlington, Mass.

 McCUNE, EARL W. (S'56-M'57), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 McCUNE, HAROLO K. (S'57-M'58), 2nd Lt., U. S. Army, U. S. Army, Signal Research & Development Lab., Ft. Monmouth, N. J.

 McCUNE, ROBERT I. (A'56), Mem. Tech. Staff, Bell Tel.
- Mocromouth, N. J.

 McCUNE, ROBERT J. (A'56), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N.J.

 McCURDY, GEORGE E. (A'42-M'47), Pres., McCurdy
 Radio Industries, Ltd., 22 Front St., W., Toronto 1,
 Ont., Canada.
- McCURDY, WILLIAM H. (SM'57), Mgr., Applied Research Dept., Electronics Tube Div., Westinghouse Elec. Corp., Box 284, Elmira, N.Y.
- McCURLEY, ELLIS P. (M'56), 57 South Rd., Bedford,
- Mass.

 McCUTRLEY, ERNEST A. (S'48-A'50-M'56), Electronics Systems Engr., Lockheed Aircraft Corp., Marietta, Ga.

 McCUSKER, JOSEPH H. (S'49-A'50), Engr., MIT, Lincoln Lab., Lexington 73, Mass.

 McCUSKER, RICHARD F. (S'58-M'59), Project Engr., Farrand Controls, Inc., Bronx Bivd., New York 66, N.Y.

 McCUSKER, RICHARD W. (A'56), Research Engr., Rocketdyne, 6633 Canoga Ave., Canoga Park, Calif.

 McCUTCHEN, BRUNSON S. (A'21-M' 26-F'32)(L), Pres., Communication Measurements Lab., Inc., 350 Leland Ave., Plainfield, N.J.

 McCUTCHEON, SAMUEL R. (S'55-M'58). Dev. Engr..

- Ave., Plainfield, N.J.

 McCUTCHEON, SAMUEL R. (S'55-M'58), Dev. Engr.,
 Tektunia, Inc., Bux 831, Fortland 7, O.E.

 McCUTCHEON, THOMAS L. (S'58-M'59), Flight Test
 Engr., Convair, Ft. Worth, Tex.

 McDADE, HENRY J. (A'58), Jr. Engr., Pickard & Burns,
 Inc., 240 Highland Ave., Needham 94, Mass.

 McDADE, JAMES J. (M'56), Elec. Engr., RCA, Camden
 2, N.J.

- 2, N.J.
 McDADE, JOHN G. (A'47), Technician, WCAO, Upper
 Park Hgts. Ave., Pikesville 8, Md.
 McDADE, JOHN J., JR. (S'48-A'50), Engr., California
 Water & Telephone Co., 300 Montgomery St., San Fran-
- McDANIEL, CARLO B. (A'56), Engr., WFLA-TV, 905 W. Jackson, Tampa, Fla.
 McDANIEL, CLARENCE E. (A'59), Design Engr., Lockheed Aircraft Services Co., Ontario Internati. Airport, Ontario, Calif.
- Calif.

 McDANIEL, ENOCH A. (S'57-M'59), Jr. Geophysicist,
 Humble Oil & Refining Co., Houston, Tex.

 McDANIEL, FITZGERALD (M'53), Chief Engr., Rollins
 Broadcasting, Inc., WAMS, 414 French St., Wilmington,
 Del.
- Del.

 McDANIEL, GEORGE A. (A'47), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 McDANIEL, IRA V. (M'56), Chief Engr., KCRG, KCRG-TV, 104 1st St., S.W., Cedar Rapids, lowa.

 McDANIEL, OTTO S. (M'42-SM'43), Genl. Contract Agent, Southwestern Bell Tel. Co., 1010 Pine St., St. Louis 1, Mo.

- Southwestern Bell Tel. Co., 1010 Pine St., St. Louis 1, Mo.

 McDANIEL ROY F. (S'50-A'55). Systems Design Engr., Systom Corp., 2055 Concord Bivd., Concord, Calif.

 McDANIEL, WILLIAM J. (M'56). Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia, Pa.

 McDANIEL, WILLIAM J. (M'56). Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia, Pa.

 McDANIEL, WILLIE L., JR. (S'56-M'58). Elec. Engr., Western Electric Co., Lexington Rd., Winston-Salem, N.C.

 McDAVID, JOHN A. (SM'55). Col., Communications-Electronics Div., Hgrs. Strategic Air Command, Offutt AFB, Neb.

 McDAVITT, MARCELLUS B. (M'46-SM'57), Dir., Transmission Dev., Bell Tel. Labs., Murray Hill, N.J.

 MCDERMID, FINLAY A., JR. (M'59), Head, Electromagnetics, Computer Research & Analysis Dept., Litton Industries, 2205 Stoner, Los Angeles 64, Calif.

 McDERMID, WILLIAM L. (S'47-A'49-M'55), Advisory Engr., Research Center, IBM, Yorktown, N.Y.

 McDERMODY, RONALD A. (S'57-M'58), Systems Engr., RCA, Camden, N.J.

 McDERMOTT, BYRON (M'57), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 McDERMOTT, EDWARD P. (L'45-M-199), Sr. Engr., AVCO Mfg., Crosley Div., 1429 Arlington St., Cincinnati 25, Ohio.

 McDERMOTT, EUGENE (A'25-VA'39-M'55), Chmn. of Fyec.
- Ohio .

 McDERMOTT, EUGENE (A'25-VA'39-M'55), Chmn of Exec. Committee, Texas Instruments, Inc., 6000 Lemmon St., Dallas 9, Tex.

 McDERMOTT, FRANCIS A. (S'57-M'59), Assoc. Engr., American Bosch Arma Corp., Garden Citv. L.I.. N.Y.

 MC DERMOTT, JOHN P. (S'58-M'59), Manuals Analyst Engr., Chrysler Corp., 16 Mile Rd. & Van Dyke, Warren, Mich.

- Engr., Chrysler Corp., 16 Mile Rd. & Van Dyke, Warren, Mich.

 MC DEVITT, BERNARD J. (S'56-M'59), Asst. Dev. Engr., Burroughs Corp., Paoli, Pa.

 MCDIRMIT, EVAN L. (A'51-M'56), Electronics System Engr., Martin Co., Orlando, Fla.

 MCDOLA, MARVIN M. (A'55), Customer Engr., IBM, 1400

 Baltimore, Kansas City, Mo.

 MCDONALD, ADDIS E. (A'55-M'58), Sr. Engr., A.R. &T. Electronics, Inc., 1101 McAlmont, Little Rock, Ark.

 MCDONALD, ARL E. (A'57), Research Engr., No. Amer., Aviation, Downey, Calif.

 MCDONALD, CARENCE J. (A'52-M'56), Chief Engr., Central Systems Plant, The Mathes Co.. Marble Falls. Tex.

 MCDONALD, DANIEL F. (M'36b), Instr., Pluysics, Fordham Univ. Bronx 58, N.Y.

 MCDONALD, DONALD C. (SM'50), V.P.-in-Chg. Engr., Cook Electric Co., 2700 N. Southport Ave., Chicago 14, Ill.

 McDONALD, OONALD J. (A'51-M'51-SM'51), Radio Engr., Toll Area. Bell Tel. Co. of Canada, Beaver Hall Bidg., McDONALD, EARL D., JR. (A'55), Applications Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Oallas, Tex.

- McDONALD, FRANCIS J. (A'52), Chief, Standards, Epsco, Inc., 588 Commonwealth Ave., Boston, Mass. McDONALD, FRANK J. (A'57), Test Methods Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- Gyroscope Co., Great Neck, L.I., N.Y.
 McDONALD, FRANK W. (M'56), Boeing Airplane Co., Home:
 3428 Osie, Wichita, Kan.
 McDONALD, HENRY C., JR. (SM'59), Program Engr., Univ.
 of California Lawrence Radiation Lab., Box 808, Livermore,
 Calif.

- Calif.

 McDONALD, HENRY S. (A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 MC DONALD, JACK (A'55), Dev. Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa.

 McDONALD, JAMES R. (S'56-M'58), Engrg. Asst., RCA Communications, Inc., 66 Broad St., New York 4, N.Y.

 MC DONALD, JOHN B. (M'59), Group Engr., Northrop Aircraft, Inc., Hawthorne, Calif.

 McDONALD, JOHN E. (S'49-A'50-M'58), Component Application Engr., Collins Radio Co., 1930 Hi-Line Dr., Dallas, Tex.

 McDONALD, JOHN I. (Al50) S. 5.

- cation Engr., Collins Radio Co., 1930 Hr-Line Dr., Dallas, Tex.

 McDONALD, JOHN J. (A'50), Dir, Engrg., Consolidated Systems Corp., 1500 S. Shammock, Monrovia, Calif.

 McDONALD, JOSEPH F. (A'42-SM'54), Chief Engr., Aetna Electronics Corp., Readington Rd., North Branch, N.J.

 McDONALD, JOSEPH F., JR. (S'55-M'58), Engr., Airborne Instruments Lab., 160 Old Country Rd., Mineola, L.I., N.Y.

 McDONALD, JOSEPH M. (A'34-M'44-SM'52), Asst. Dir., Engrg., Crosley Broadcasting Corp., WLW Sta., 140 W., 9 St., Crosley So., Cincinnati 2, Ohio.

 McDONALD, KEITH D. (M'58), Sr. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 McDONALD, LEVON R. (M'57), Radio Instr., AT&T Co., 1365 Cass, Detroit, Mich.

 McDONALD, LYELL J. (A'49-M'58), Chief Engr. & Owner, The Mac-Enter Co., 316 Meisner Ave., Elkhart, Ind.

 McDONALD, LYMWOOD W. (A'38), Transmitter Engr., WTOP, The Washington Post Broadcast Div., 2021 University Blvd., McDONALD, MARSHALL (A'55), Engrg. Specialist, Chance

- McDONALD, LYMWOOD W. (A'3B), Transmitter Engr., WTOP, The Washington Post Broadcast Div., 2021 University Blvd., W. Silver Spring, Md.
 McDONALD, MARSHALL (A'55), Engrg. Specialist, Chance Vought Aircraft, Inc., Dallas, Tex.
 McDONALD, ROBERT C. (A'53), Transmitter Supvr., TV, Canadian Broadcasting Corp., C. B., U.T., 701 Hornby St., Vancouver, B. C., Canada.
 McDONALD, ROBERT E. (M'56), Mgr., Military Div., Remington Rand Univac, 2750 W. 7 St., St. Paul 16, Minn.
 McDONALD, ROBERT E. (M'56), Mgr., Military Div., Remington Rand Univac, 2750 W. 7 St., St. Paul 16, Minn.
 McDONALD, THOM K. (M'54-SM'56), Electronics Engr., FAA, Box 1082, Okiahoma Citv, Okla.
 McDONALD, WILLIAM H. (M'54), Sr. Electronics Engr., Nortronics Div., Northrop Corp., Hawthome, Calli, McDONALD, WILLIAM W. (M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 McDONELL, WILLIAM J. (A'29-VA'39-SM'57), Consulting Engr., 1016 Chicago Ave., Downers Grove, Ill.
 McDONNELL, JAMES P. (A'56), Elec. Engr., Admiral Corp., 3800 W. Cortland St., Chicago 47, Ill.
 McDONNELL, JAMES P. (A'56), Elec. Engr., Admiral Corp., 3198 Chestnut St., Philadelphia, Pa.
 McDONNELL, JOHN R. (S'53-M'56), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 McDONNELL, JOHN R. (S'53-M'56), Elec. Engr., McDonnell Sound Prods., 16400 W. 7 Mile Rd., Detroit 35, Mich.
 McDONNOUGH, JANIEL M. (A'42-SM'51), Owner, McDonnell Sound Prods., 16400 W. 7 Mile Rd., Detroit 35, Mich.
 McDONDOUGH, JANIEL M. (A'42-SM'51), Chief Engr., 1014 Corp., 1014 Corp
- McDONOUGH, JAMES A. (SM'51), Antenna Sect. Head, Airborne Instrument Lab., Walt Whitman Rd., Melville,
- MCDONOUGH, JOHN C. (S'56-M'58), 43 Lydon St., Nor-wood, Mass.
- McDONOUGH, JOHN C. (\$556-M'58), 43 Lydon St., Norwood, Mass.
 McDONOUGH, JOHN T. (A'52-M'57), Sr. Engr., Westinghouse Elec. Copp., Box 746, Baltimore 3, Md.
 McDONOUGH, SIDNEY L. (\$'49-A'50-M'55), Sect. Head, Aeronutronic Systems, Inc., Newport Beach, Calif.
 McDONOUGH, TIMOTHY (\$'56-M'58), Assoc. Engr., Detroit Edison, 2000 2nd, Detroit 26, Mich.
 McDONOUGH, VINCENT T. (A'47-M'54), Sr. Project Engr., A.D.T. Co., 155 6 Ave., New York, N.Y.
 McDONOUGH, JAMES R. (M'58), Assoc. Research Engr., Boeing Airplane Co., Wichita, Kan.
 McDOUGALL, DUGALD S. (M'51), Partner, Ooms, McDougall, Williams & Hersh, 135 S. LaSalle St., Chicago 3, III.
 McDOUGALL, JOHN C. (M'51), Assoc. Research Engr., Boeing Airplane Co., Wichita, Kan.

- McDOUGALL, JOHN C. (M'56), Assoc. Field Engr., IBM,
- MCDOUGALL, MERLE E. (SM'59), T. Louis Snitzer Co., Electronic Engrg. Reps., 5354 W. Pico Bivd., Los Angeles 19, Calif.
- McDOUGALL, STANLEY (A'56), Mgr., Electronics Dept., Taylor, Pearson & Carlson, Ltd., 308 5 Ave., W., Calgary, Alta., Canada.
 McDDUGLE, ROBERT H. (S'56-M'57), Alrbome Electronics Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Callf.

- Engr., Douglas Aircraft Co., 3000 Océan Park Blvd., Santa Monica, Callí.

 Monica, Callí.

 McDOWELL ALBERT P., JR. (A'27-M'53), 6921 N.

 19 St., Philadelphia 26, Pa.

 McDOWELL, DEAN E. (A'55-M'58), Staff Scientist, Electro-Optical Systems, Inc., Pasadena, Callí.

 McDOWELL, DONALD E. (A'57), Chief Communication Technician, Natl. Tech. Processing Center, 3801 Nebraska Ave., N.W., Washington, D.C.

 McDOWELL, GORDON E. (M'56), District Radio Alds Engr., Telecommunications Branch, 25 St. Clair Ave., E., Toronto 7, Ont., Canada.

 McDOWELL, HUNTER L. (S'48-A'49-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 McDOWELL, JACK L. (M'56), Chief Compenents Engr., Warwick Mfg. Corp., 27 & Deborah Ave., Zinn, Ill.

 McDOWELL, JERALD K. (M'56), Owner, Sky Chief Wholesale, Springer, N. M.

 McDOWELL, JOHN B. (A'54), Partner, McDowell-Redingshafer Sales Co., 1103 E. Armour, Kansas City 6, Mo.

 McDOWELL, LOUISE S. (M'23-SM'43)(L), Prof., Physics, Emeritus, Wellesley College, Wellesley, Mass.

- McDOWELL, MILTON S. (A'54), Research Project Officer, Hors. AMC, Wright-Patterson AFB, Ohio.
- McDOWELL, ROBERT B. (A'37-VA'39-SM'40), Elec. Engr., Electronic Div., Bureau of Ships, Navy Dept., Washington 25, D.C.
- McDOWELL, WARREN E. (A'43-M'56), Sales Engr., Gallant, Inc., 261 Constitution Ave., N.W., Washington 1, D.C.
- McDOWELL, WILLIAM J. (A'53-M'58), Sales Rep., ElectroData Div., Burroughs Corp., 1322 Carling, Ottawa, Ont.,

- Canada,
 McDUFF, BUSTER G. (A'55), Design Engr., Electronic
 Design Group, Convair, Ft. Worth, Tex.
 McDUFF, ODIS P. (M'57), Supvg. Engr., Circuit Dev.,
 GE Co., 316 E. 9 St., Owensboro, Ky.
 McDUFFIE, GEORGE E., JR. (M'53), Assoc. Prof., Dept.
 of Elec. Engrg., The Catholic Univ. of America, 4 & Michigan Ave., Washington 17, D.C.
 MCDUFFIE, TADMAS E. (M'58), Electronics Scientist
- McDUFFIE , THOMAS E . (M'58), Electronics Scientist , Navy Material Lab. , New York Naval Shipyard , Brooklyn 1 , N.Y.

- N.Y.
 McEDWARD, FRANKLIN A. (S'55-M'58), Jr. Engr. "A,"
 Boeing Airplane Co., Seattle, Wash.
 McELHOE, BRUCE A. (M'59), Assoc. Engr., Boeing Airplane Co., Box 107, Seattle 14, Wash.
 McELRATH, GEORGE (M'29-SM'43-F'56), Mgr., Broadcast
 Central, NBC, 30 Rockefeller Plaza, New York 20, N.Y.
 McELROY, CHARLES M. (S'57-M'58), 5616 111 St.,
 S.W., Tacoma 99, Wash.
- S.W., lacoma yy, wash. McELROY, EUGENE J. (M'54), Mal., USAF, Special Asstto Dir., Communications & Electronics, Hqrs., USAF, Washington 25, D.C. McELROY, GEORGE E. (A'45-M'48-SM'56), Sr. Engr., Mctorola Research Lab., 3102 N. 56 St., Phoenix, Ariz. McELROY, GUY A. (S'49-A'50-M'56), Electronics Engr., USAF, Wright Air Development Center, Wright-Patterson ASP, McServier (M'54), Electronics Engr., USAF, Wright Air Development Center, Wright-Patterson
- USAF, Wrig AFB, Ohio.
- AFB, Ohio.

 McELROY, JOHN C. (A'52-SM'57), Dir., Research & Dev., Div. B, Collins Radio Co., Cedar Rapids, lowa.

 McELROY, PAUL K. (A'25-M'27-F'31), Engrq. Consultant, Gen! Radio Co., 22 Baker Ave., West Concord, Mass.

 McELROY, THEODORE R. (A'48-M'55), Pres.-Treas., Telemorse Coro., 4 Taylor St., Littleton, Mass.

 McELROY, WILLIAM J., (S'49-A'50-M'55), Supvr., Engr., Dept., Minneapolis -Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Mlnn.

 McELYEEN, KENNETH H. (S'55-M'57), Mem. Tech. Staff, Space Technology Labs., 5730 Arbor Vitae, Los Angeles 45, Calif.

 McELWAIN JAY! (A'43-M'52), Electronics Design Engr., McFLWAIN JAY! (A'43-M'52), Electronics Design Engr.,

- MECLWAIN, JAY L. (A'43-M'52), Electronics Design Engr., GE Co., Syracuse, N.Y. McCLWEE, ELEANOR M. (M'51-SM'53), Engr., RCA, Harrison, N.J.
- MCELWEE, JOHN F., JR. 9A'54), Head, Preliminary Design Sect., Lockheed Aircraft Service, Box 33, Ontario, Calif.
- Call.

 McELYEA, WESLEY W. (A'58-M'58), Sales Engr., West
 Michigan Sound Co., 1932 Peck, Muskegan, Mich.

 McENROE, JAMES M., JR. (A'54), Civilian Training Officer,
 Electronic Fields, U.S. Army Ordnance, Frankford Arsenal,
 Bridge & Tacony Sts., Philadelphia 37, Pa.

- Bridge & Tacony Sts., Philadelphia 37, Pa.

 McENTEE, JANESN A., JR. (S'56-M'58), Mem. Tech.
 Staff, Bell Tel. Labs., Inc., Murray Hill, N.J.

 McENTYRE, DAVID E. (S'57-M'59), 1713-B Aberdeen
 Rd., Towson 4, Md.

 McEOWEN JAMES R. (S'54-M'56), Lt. ig, USN, Sr. Radio
 Officer, USS Canberra (CAG-2) FPO, New York, N.Y.

 MCEUEN, ALBERT H. (S'48-A'50-M'54-SM'58), Sr.
 Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 McEVOY, HUGH G. (S'55-M'57), Program Engr., FAA,
 Federal Bidg., Jamalca, L.I., N.Y.

 MCEVOY, JOHN A. (S'56-M'59), 200-13 33 Ave., Bayside 61, L.I., N.Y.

 McEWAN, A. J. (S'47-A'48-M'58), Cmdr., USN, Chlef

- side 61, L.I., N.Y.
 McEWAN, A, J. (S'47-A'48-M'58), Cmdr., USN, Chlef
 Special Studies Branch, Armed Forces Special Weapons
 Project, Washington 25, D. C.
 McEWAN, ALEXANDER W. (M'52-SM'56), Exec, Engr.,
 ITT Labs., Nutley 10, N.J.
- MCFADDEN, BERTRAM W. (\$'49-A'50-M'55), Chief Engr., Micro Gee Prods., Inc., 6319 W. Slauson Ave., Culver City, Calif.

- City, Calif.

 McFADDEN, DDNALD R. (A'58), Tech. Rep., Morgan Crucible Co. (Aust) Pty., Ltd., 65-67 Bourke Rd., Alexander, N. S. W., Australia.

 McFADDEN, EUGENE R. (M'53), Project Engr., Convair-Astronautics, San Diego, Calif.

 McFADDEN, HAROLD W. (A'38-VA'39-M'49), Pres., Canadian Industrial Consultants, Ltd., 60 Newcastle St., Toronto 18, Ont., Canada.

 McFADDEN, JAMES H. (A'54), Engr., ITT Labs., 3702

 E. Pontiac St., Ft. Wayne, Ind.

 McFADDEN, JOHN W. (S'56-M'57), Staff Engr., Carolina Aluminum Co., Box 668, Badin, N. C.

 McFADDEN, RAI PH. R. (S'40-A'41-M'56), Elec, Engr.,
- MUMMINIMU CO., BOX DOB, BAGIN, N. C.
 MCFADDEN, RALPH R. (S'40-A'41-M'56), Elec. Engr.,
 Natl. Park Service, 1000 Geary St., San Francisco 9,
 Callf.
- Calif.

 McFADDEN, WILLIAM C. (M'55), Pres., Dynametric, Inc., 2955 E. Colorado, Pasadena, Calif.

 McFALL, CHARLES H., JR. (S'43-A-)3 V'55), Research Engr., Instrumentation, Natt. Aeronaudios & Space Administration, Langley Field Va.

 McFALL, RUSSELL W. (SM'52), V. P. & Jent. Mgr., Litton Industries Inc., 4900 Calvert Rd. College Park, Md.

- Md.

 McFALL, THOMAS J. (M'57), Sr. Engr., Philoc Corp.,
 1106 Bingham St., Philadelphia 15, Pa.

 MC FALL, WILLIAM A. (S'56-M'58), Research Engr.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.

 McFANN, HOWARD L. (M'56), Military Systems Engr.,
 Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 McFARLAN, JERRY H. (A'56), Electronics Specialist,
 White Sands Signal Missile Support Agency, White Sands
 Missile Range, N. M.

 McFARLAN, RONALD L. (SM'51), Consultant, 20 Circuit
 Rd., Chestnut Hill 67, Mass.

 McFARLAND, BILL N. (S'55-M'56), Teacher of Electronics,
 Multomah College, 1022 S. W. Salmon, Portland 4, Ore.
 McFARLAND, JAMES E. (SM'53), Dir. of Component Dev.,
 Nassau Research & Development Associates, Inc., 66 Main
 St., Mineola, L. I., N. Y.

- McFARLAND, RICHARD B. (S'49-A'50-M'55), Sect. Engr., The Seeburg Corp., 1500 N. Dayton St., Chicago Engr.,
- McFARLAND, RICHARD H. (M'5B), Instr., Ohio State Univ., Columbus, Ohio.
- McFARLAND, ROBERT L. (M'57), Field Sales Engr., Cannon Electric Co., 44B S. 112 E. Ave., Tulsa 12, Okla.
- Okia.

 McFARLAND, ROBERT S. (A'53-M'59), Sr. Engr., No. Amer. Avlation, 5 Ave., Columbus 16, Ohio.

 McFARLAND, ROBERT T. (M'45), Field Engrg. Supvr., Westem Electric Co., Winston-Salem, N. C.

 McFARLANE, DONALD J. (A'43-M'46-SM'54), Capt., Police, Communications Engr., Metropolitan District Commission, 1440 Soldiers Field Rd., Brighton, Mass.

 McFARLANE, H., BRUCE (A'53-SM'5B), Electronics Research & Design Engr., Univ. of California Lawrence Radiation Lab., Box BOB, Livermore, Calif.

 McFARLANE, MAYNARD, C. (A'24-M'42-SM'43-E'56)
- diation Lab., Box BOB, Livermore, Califf, McFARLAME, MAYNARD D. (A'26-M'42-SM'43-F'56), Research Scientist, Robertshaw-Fulton Controls Co., 401 N. Manchester, Anaheim, Calif. McFARLAME, ROBERT (S'57-M'59), Elec. Engr., Columbia Univ., New York, N. Y.

- bia Univ., New York, N. Y.

 McFARLANE, ROSS A. (S: 52-M'59), Research Asst.,

 McGII Univ., Sherbrook St., Montreal, P.Q., Canada,

 McFARREN, LAWRENCE E. (SM'57), Chief Engr., Internati.

 Resistance Co., Burlington, Jowa.

 McFATRIDGE, JOHN E. (A'43-M'57), Radio Communications

 Rep., Motorola Communications & Electronics, 380 Hilton

 Rd., Femdale, Detroit 20, Mich.

 McFEE, JAMES E. (A'56), Electronics Engr., Rome Air

 Development Center, Griffiss AFB, N. Y.

 McFEE, RICHARD (S'49-A'50-M'55), Assoc. Prof., Syracuse Univ., Syracuse, N. Y.

 McFEELY, HARRY H. (A'55-SM'56), Research Supvr.,

 Electromechanical, Research & Dev., National Steel Corp.,

 Weirton, W. Val.

 McGAEFEY HERBERT E. (S'53-M'56), Page SkyrBorne
- McGAFFEY, HERBERT F. (S'53-M'56), Pres., Sky-Borne Electronics, 13013 Los Nietos Rd., Santa Fe Springs,

- Calif.

 McGAHEY, EMMERT W., JR. (S'55-M'57), Elec. Engr., RCA, Camden 2, N. J.

 McGANN, WILLIAM E. (M'56), Elec. Dev. Engr., Admiral Corn., 3B00 W. Courtland St., Chicago, III.

 McGARVEY, CHARLES F. (M'5B), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester. N. Y.

 McGARVEY, HAROLD J. (A'46-M'55), Mgr., New Prods. Dept., Speer Carbon Co., St. Mary's, Pa.

 McGARVEY, JOHN P. (S'53-A'54), Elec. Engr. Raytheon M'10, Co., Wayland, Mass.

 McGARVEY, JOHN P. (A'48), Owner & Sales Mgr., William T. McGary Co., 6635 Delmar Blvd., St. Louis 5, Mo.

 McGAUGHAN, HENRY S. (M'46-SM'53), Assoc. Prof., Elec. Engr., Cornell Univ., Ithaca, N. Y.

 McGAUGHEY, JOHN R. (SM'55), Mem. Tech. Staff, Space Technology Labs., 5500 El Segundo Blvd., Los Angeles 45, Calif.

 McGAUGHEY, P. C. (A'31-VA'30-M/40-CM/55), Los Angeles

 McGAUGHEY, P. C. (A'31-VA'30-M/40-CM/55), Los Angeles

 McGAUGHEY, P. C. (A'31-VA'30-M/40-CM/55)

- 45, Calif.

 McGAUGHEY, P. C. (A'31-VA'39-M'49-SM'55), Administrator, RCA Service Co., Camden B, N. J.

 McGAUGHEY, ROBERT P. (M'56), Sr. Project Engr., Hoffman Labs. Div., 3740 S. Grand Ave., Los Angeles, Calif.

 McGAVIN, RAYMOND E. (A'52-M'5B), Electronics Engr.,
 Natl. Bureau of Standards, Boulder, Colo.

 McGEE, A. KEITH (M'57), Design & Dev. Engr., RCA,

 Moorestown, N. J.
- McGEE, ARCHIE A., JR. (M'56), Dev. Engr., GE Co.,
- McGEE, CHARLES G. (S'49-A'50-M'55), Catalog Circulation Dept., Sears, Roebuck & Co., 925 S. Homan Ave., Chicago, III.
- Chicago, III.

 McGEE, HENRY R. (S'5B-M'5B), Anthes Imperial, Ltd.,
 St. Catharines, Ont., Canada.

 McGEE, HOWARD A. (A'52-SM'57), Asst. Chief Engr.,
 United Electrodynamics Div., United Geo-Physical Corp.,
 1200 S. Marengo, Pasadena, Calif.

 McGEE, KENNETH (M'46-SM'53), Asst. to V.P., Electronics Components Div., Sangamo Electric Co., 11 & Converse Sts., Springfield, III.
- McGEE, MAX E. (M'57), Electronics Engr., Univ. of Cali-fornia Lawrence Radiation Lab., Box BOB, Livermore, Calif
- McGEE, WALTER F., JR. (SM'55), Mgr., Component & Intermediate Distribution Sales, GE Co., S. A. De C. V., San Juan de Letran 37, Mexico 1, D. F., Mexico.
- McGEHEE, CHARLES R. (S'49-A'51-M'56), Head, Field Engrg., Stromberg-Carlson Co., 1B95 Hancock, San Diego Engrg., St 12, Calif.
- McGEHEE, RALPH M. (S'51-A'53), Staff Mem., Sandia Coro., Sandia Base, Albuquerque, N.M. McGEHEE, WILLIAM W. (M'54), Project Supvr., Hughes Aircraft Co., Box 11337, Tucson, Ariz.

- Aircraft Co., Box 11337, Tucson, Ariz.

 McGEIVER, SAMUEL F. (S'57-M'5B), 121 Gillespie Ave.,
 Syracuse 9, N.Y.

 McGEOH, CHARLES R., JR. (M'56), Electronics Engr.,
 Bomac Labs., Inc., Salem Rd., Beverly, Mass.

 McGHEE, ROBERT B. (A'55-M'5B), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.

 McGIBBON, DAVID A. (M'59), Communication Engr., RCA
 Service Co., Box 4036, Patrick AFB, Fla.

 McGIBBON, GREGOR D. (S'4B-A'50), Project Engr., Lynch
 Carrier Systems, Inc., 695 Bryant St., San Francisco,
 Calif.

 McGIFFRT CTERUS CO.
- McGIFFERT, STEPHENY. (SM'56), Dir., Radio Liberation Network Div., American Comm. for Liberation, 1657 Broad-way, New York, N.Y.
- New York, N. Y.

 McGIFFNEY, DONALD Z. (S'54-A'55-M'59), Elec. Engr.,
 ITT Labs., Nukley 10, N.J.

 McGILL, JEREMIAH J. (S'48-A'50-M'58), Sr. Electronics
 Engr., Supvr., Electro Data Div., Burroughs Corp., 460
 Sierra Madre Villa, Pasadena, Calif.

 McGILL, WILBUR T. (M'54), TV Engr., Tri-State Broadcasting Co., Inc., KTSM/KTSM-TV, 801 N. Oregon St.,
 El Paso, Tex.

 McGILLEM, CLARE D. (M'52), Military Prods. Engr., AC
 Spark Plup Div., GMC, Flint, Mich.

 McGILVRA, GEORGE E. (A'52-M'57), Field Engr., RCA
 Service Co., Gloucester, N.J.

 McGINLEY, GEORGE W. (M'55), Supvr., Systems Sales,
 Union Switch & S.)nal, Braddock Ave., Swissvale, Pa.

- McGINLEY, JAMES H. (M'56), Sr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.
 McGINN, JAMES F. (S'52–A'53–M'5B), Sr. Mem., Airborne Systems Lab., RCA, Waltham, Mass.
 McGINNESS, CHARLES C. (A'47–M'55), Instrumentation Engr., Rocketdyne, Box 511, Neosho, Mo.
 McGINNIS, CHARLES E. (S'49–A'50–M'51–SM'5B), Chief Engr., Communications, Martin Co., Orlando, Fla.
 McGINNIS, FRANK (M'45–SM'54), Reliability & Quality Control Mgr., Air Armament Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 McGINNIS, HAROLD J. (M'52), Communication Engr., State of Wisconsin Conservation Dept., Forest Protection Hqrs., Tomahawk, Wis.
 McGINNIS, LEE F., JR. (A'56), Asst. Engr.. Melnar.
- tomanawk, WIS.

 McGINNIS, LEE F., JR. (A'56), Asst. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 McGINNIS, STEPHEN E. (S'42-A'44-M'55), Pres., Midwest Communications Co., 138 5 Ave., S.E., Oelwein, Iowa.
- McGINIS, WILLIAM J. (A'44-M'52), TV Studio Engr, WCCO-TV, 50 S. 9 St., Minneapolis 2, Minn. McGLASHAN, KENNETH W. (A'52-M'57), Project Engr., Chicago Standard Transformer Div., Esse Wire, Ceramic Ave., Zaneswille, Ohio,
- McGLINN, EDWARD J. (M'56), Project Engr., Research Labs. Div., Bendix Aviation Corp., Box 5115, Detroit

- 35, Mich,

 McGOLRICK, JOSEPH E. (M'57), Asst. Applied Research,
 Dept. of Navy, Bureau of Ordnance, Main Navy Bidg.,
 Washington 25, D.C.

 McGOUGH, RICHARD P., JR. (S'52-M'56), Contract
 Rep., RCA, Camden, N.J.

 McGOVERN, FRANCIS X. (M'57), Engr., Arma Div.,
 Roosevelt Field, Garden City, L.I., N.Y.

 McGOVERN, JOHN J. (S'52-M'56), Engr., New York
 Telephone Co., 140 West St., New York, N.Y.

 McGOVERN, JOHN R. (M'56), Mng. Dir., Sola Electric
 (Canada), Ltd., 24 Canmotor Ave., Toronto 1B, Ont.,
 Canada.

- Canada

 McGOVERN, MICHAEL J. (M'55), Logical Design Engr., Computer Dept., GE Co., Phoenix, Ariz.

 McGOWAN, CHARLES W. (A'52), Equipment Maint. Man. AT&T Co., 405 N. Broadway, Oklahoma City, Okla.

 McGOWAN, EDWARD A. (A'52-M'5B), Electronics Engr., Baird-Atomic, 33 University Rd., Cambridge 3B, Mass.

 McGOWAN, JAMES F. (S'55-M'57), Electronics Engr., Naval Ordnance Lab., White Oak, Silver Spring, Md.

 McGOWAN, JAMES F., JR. (M'57), Asst. Standards Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 McGOWAN, JOHN G. (M'59), Div. CPO, Electronics Div., AMD, US Naval Air Sta., Brooklyn, N.Y.

 McGOWAN, MARK L. (4'4B-M'50), AM Tech. Operations

 Supvr., Meredith-WOW, Inc., AM-TV, 17 & Farnum St., Omaha 2, Neb.

 McGOWAN, THOMAS C. (S'49-A'52-M'57), Design

- McGOWAN, THOMAS C. (S'49-A'52-M'57), Design Engr., Aircraft-Marine Prods., Inc., 155 Park St., Elizabethtown, Pa.
- Elizabethrown, Pa.

 Litzabethrown, Pa.

 McGRAIL, JOHN G. (A'55), Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, III.

 McGRAIL, JOHN J. (M'54), Contract Sales Mgr., Raytheon Canada, Ltd., Metcalle 77, Ottawa, Ont., Canada.

 McGRATH, EDMUND F. (A'54), Tech. Supvr., CBU Transmitter, Canadian Broadcasting Corp., 701 Hornby St., Vancouver 1, B.C., Canada.

 McGRATH, HAROLD E. (S'53-A'53), Field Engr., Schlumberger Well Surveying Corp., Box 512, Liberal, Kan.

 McGRATH, JAMES M. (S'58-M'59), 370 E. 23 St.,

 Brooklyn 26, N. (S'54-M'55), Jr. Engr., Hazeltine Electronics, Little Neck, L.1., N. Y.

 McGRATH, JOHN N. (S'58-M'59), Engr., Hazeltine Electronics, Little Neck, L.1., N. Y.

 McGRATH, JOHN N. (S'58-M'59), Engr., Hazeltine Liebethronics, Little Neck, L.1., N. Y.

 McGRATH, JOHN N. (S'58-M'59), Engr., Test Set Design,

 McGRATH, JOHN W. (SM'57), Engr., Test Set Design,

- Philadelphia Electric Co., 1000 Chestnut St., Philadelphia, Pa.

 McGRATH, JOHN W. (SM'57), Engr., Test Set Design, Western Electric Co., Allentown, Pa.

 McGRATH, JOSEPH L. (M'56), Communications Design Sect., Bethlehem Steel, Quincy, Mass.

 McGRATH, ROBERT P. (M'5B), Sales Mgr., McCarthy Associates, 1055 Walnut, Pasadena, Calif.

 McGRAW, HAROLD (M'57), Eastern Sales Mgr., Warwick Mgr. Corp., 7300 N. Lehigh Ave., Chicago 31, III.

 McGRAW, HAROLD E. (M'56), Project Engr., Crosley Div., Avco Mfg. Corp., 129 Arlington, Cincinnati 25, Ohio.

 McGRAW, JAMES E. (SM'49), Electronics Consultant, Sperry Gyroscope Co., Great Neck, L.I., NY.

 McGRAW, RONALD C. (A'52-M'56), Dev. Engr., Collins Radio Co., Cedar Rapids, Jowa.

 McGREDE, ADRIAN D. (M'57), Electronics Technician, Army Ballistic Missile Agency, Huntsville, Ala.

 McGREGOR, ARVIN D. (M'57), Research Engr., Holley Carburetor Co., 11955 E. 9 Mile Rd., Warren, Mich.

 McGREGOR, JOHN C. (M'46-SM'49), Pres., The Narda Corp., 160 Herricks Rd., Mineola, L.I., N.Y.

 McGREGOR, MALCOLM A. (A'56), Sr. Research Engr., Crosley Div., Avco Mfg. Co., 1329 Arlington St., Cincinnati 25, Ohio.

 McGREGOR, ROBERT B. (A'40-M'47), Sect. Chief Engr., Communication & Navigation, Magnavox Co., Beuter Rd., Fl. Wayne, Ind.

 McGUFFEY, GALE W. (S'56-M'5B), Engr., Bendix Aviation Corp., Mishawaka, Ind.

- McGUFFEY, GALE W. (S'56-M'5B), Engr., Bendix Aviation Corp., Mishawaka, Ind. McGUIGAN, JOHN H. (A'42-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
- McGUIGAN, WILLIAM D. (A'45-M'46-SM'56), Asst. Div. Dir., Engrg., Stanford Research Institute, Menlo Park, Calif.
- McGUIRE, CECIL B. (A'53), Data Processing Systems Dev. Engr., Boeing Airplane Co., 7755 E. Marginal Way, Seattle 14, Wash.
- Seattle 14, Wash,
 McGUIRE, CLARENCE H. (SM'52), Area Plant Extension
 Engr., The Bell Tel. Co. of Canada, 1050 Beaver Hall
 Hill, Montreal, P. Q., Canada.

 McGUIRE, EUGENE C. (S'51-A'53), Staff Mem., Genl.
 Precision Lab., Inc., Pleasantville, N.Y.
 McGUIRE, HARRY E. (S'55-M'58), Engr., Bendix Prods.,
 Missiles Div., S. Beiger, Mishawaka, Ind.
 McGUIRE, HARRY G. (M'56), Computer Complex Analyst,
 GE Co., 1103 N. Central Ave., Phoenix, Ariz.

- McGUIRE, JOHN (M'5B), St. Michel, 7671 23 Ave., Montreal 3B, P.Q., Canada.
 McGUIRE, JOSEPH P. (S'54-M'56), Sales Engr., Climax Molybdenim Co., 500 5 Ave., New York 36, N.Y.
 McGUIRE, THOMAS B. (A'53), Sr. Engr., Aeronautic Systems, Inc., 2701 Halladay St., Santa Ana, Calif.
 McGUIRE, THOMAS J. (S'53-A'54), Sr. Engr., Philoc Corp., Abbotsford Rd., Philadelphia, Pa.
 McGUNIGAL, WILLIAM E. (S'57-A'5B), Jr. Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 MCHENRY, JAMES J. (A'57), Research Lab. Technician, American Bosch Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.
- American Bosch Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.
 L.I., N.Y.
 MCHONEY, LAKE M. (M'47-SM'53), Field Engr., Westinghouse Elec., Corp., 411 N. 7 St., St., Louis 1, Mo.
 MCHUGH, DANIEL E. (A'5B), TechRep., MacDonald Electric, Ltd., 307 Queen St., S., Kitchener, Ont., Canada.
 MCHUGH, EDWARD L. (A'52-M'5B), Electronics Mech., NAS, Corpus Christi, Tex.
 MCILRATH, ROBERT J. (A'51), Mgr., Raytheon Mfg.,
 Co., 333 W. 1st St., Dayton 2, Ohio.
 McILROY, CHARLES J. (M'5B), Engr., Toll Area, Bell
 Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal,
 P.Q., Canada.
 MCILROY (S'53-a'56), Sr. Instrumentation

- McILROY, FRED W. (S'53-A'54), Sr. Instrumentation Engr., Jet Transport, Boeing Airplane Co., 7755 E. Marginal Way, Seattle 14, Wash.
- Marginal Way, Seattle 14, Wash.

 McILVAINE, DOUGLAS K. (A '42-M'55), Supvy. Engr.,

 Aircraft Equipment, Westinghouse Elec. Corp., Lima, Ohio.

 McILVAINE, ORAN T. (A'53-M'59), Chief Engr., Electron

 Radar Prods., Box 50, North Aurora, Ill., Pres., Electronic

 Prods. Co., 605 Prairie, St. Charles, Ill.
- McILWAIN, KNOX (A'31-M'40-SM'43-F'4B), Mgr., Special Prods. Div., Burroughs Corp., Research Center, Paoli, Pa.

- Special Prods Div., Burroughs Corp., Research Center, Paoli, Pa.

 McILWRAITH, CHARLES G. (A'55), Dir., Research Center, Paoli, Pa.

 McILWRAITH, CHARLES G. (A'55), Dir., Research Center, Paoli, Pa.

 McINELLY, RICHARD M. (S'57-M'5B), Elec. Engr., Boeing Airplane Co., Seattle, Wash.

 McINERNEY, JOHN F. (S'56-M'5B), Research & Dev. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 McINNES, IAN G. (M'57-SM'5B), Engr., TV Advanced Design Lab., Radio Corp., Pty., Ltd., Grant St., South Melbourne, Victoria, Australia.

 McINNIS, JORDAN H., JR. (S'56-M'5B), Electronics Design Egnr., System Development Corp., 2500 Colorado Ave., Santa Morica, Calif.

 McINNIS, JORDAN H., JR. (S'56-M'5B), Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 McINTISE, GEORGE W. (A'46), Chief Engr., Hagerstown Broadcasting Co., Franklin Ct. Bldg., Hagerstown, Md. McINTOSH, BRUCE A. (S'50-A'54), Asst. Research Officer, Natl. Research Council of Canada, Montreal Rd., Ottawa, Ont., Canada.

 McINTOSH, DONALD C. (S'49-A'53-M'5B), Research Engr., Hughes Alircraft Co., Culver City, Calif.

 McINTOSH, FRANK H. (M'47), Owner, Frank H. McIntosh, 1906 M St., N.W., Washington 6, D. C.

 McINTOSH, J. A. (A'42), Tech. Officer, Radio & Elec. Engr., Natl. Research Council, Montreal Rd., Ottawa, Ont., Canada.

 McINTOSH, KEITH S. (A'59), Corning Glass Works, Bradford, Pa.

- McINTOSH, KEITH S. (A'59), Corning Glass Works, Bradford, Pa.
- Bradford, Pa. McINTOSH, KENNETH H. (A'5B), Experimental Technician, Vitro Labs., Inc., 14000 Georgia Ave., Silver Spring, Md. McINTOSH, RALPH O. (SM'46), Mgr., Tube Lab. Sect., Physics Project Lab., Westinghouse Elec. Corp., Beulah Rd., Pittsburgh 35, Pa.
- McINTOSH, VIRGIL C. (M'5B), 20 S. Garland Ave., Dayton
- 3, Ohio.

 McINTDSH, WALTER L. (S'57-A'5B), Instr., Capitol
 Radio Engrg. Institute, Washington, D.C.

 McINTYRE, BARTLEY J. (S'52-A'54), Radio Physicist,
 Dept. of Transport, #3 Temporary Bidg., Ottawa, Ont.,
 Canada.
- Canada.

 McINTYRE, FRANCIS P. (S'54-M'55), Electronics Engr.,
 Columbia Univ. Electronics Research Labs., 632 W. 125
 St., New York 627, N. Y.

 McINTYRE, JOHN W. (A'55), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N. J.

 McINTYRE, MARVIN V. (S'54-M'56), Consulting Engr.,
 4033 E. Roberts Pl., Tucson, Ariz.

 McINTYRE, RAYMOND G. (A'54), Systems Engr., Technician, Phillips Electronic Industries, Ltd., Leaside,
 Ont., Canada.

 McINTYRE, ROBERT J. (M'59), Mem. Scientific Staff.

- McINTYRE, ROBERT J. (M'59), Mem. Scientific Staff, RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.

- P. Q., Canada.

 McINTYRE, RONALD D. (A'54), Electronics Engr., Pacific Missile Range., Point Mugu, Calif.

 McISAAC, PAUL R. (A'59), Research Engr., Sperry Gyroscope Co., Great Neck, L.i., N.Y.

 McIVER, DONALD A. (A'55), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 McIVER, NORMAN E. (M'5B), Asst. Project Engr., Radio Div., Bendix Aviation Corp., Towson 4, Md.

 McIVOR, BRUCE H. (S'55-M'57), 1615, 44, S.W., Seattle 6, Wash.

 McIONRY, STON, CLAUDE A. (A'53-M'5B), Supvg. Engr.,
- McJOHNSTON, CLAUDE A. (A'53-M'5B), Supvg. Engr., Illinois Bell Tel. Co., 20BW, Washington St., Chicago 6, III.
- 6, III.

 McJUNKIN, FLOYD C. (S'55-M'57), Assoc. Engr., Douglas
 Aircraft Co., 2600 Ocean Park Blvd., Santa Monica, Calif.

 McJUNKIN, WILLIAM D. (M'57), Research Staff Asst., Radiation Lab.. The Johns Hookins Univ., Baltimore 2, Md.

 McKAIN, JAMES L. (M'53-SM'57), Sr. Application Engr.,
 Sylvania Elec. Prods., Inc., Emporium, Pa.

 McKAY, GEORGE C., Jr. (A'48-M'54), Chrm., Electronics
 Debt., Univ. of Houston, 3B02 Cullen Blvd., Houston 17,
 Tex.
- McKAY, HAROLD B. (A'46-M'55), Tech. Writer, Harold McKay & Associates, 1379 35 Ave., San Francisco 22, Calif.
- Call McKAY, KENNETH G. (M'47-SM'5B), Dir., Dev. Components & Solid State Devices, Bell Tel. Labs., Murray Hill, N. J. McKAY, ROBERT A. (S'55-M'56), Geophysical Engr., Magnolia Petroleum Co., Box 900, Dallas, Tex. McKAY, ROBERT L. (M'47-SM'56), Pres., Chock & Vibration Research Inc., 1219 Dime Bldg., Detroit 26, Mich.

McK-McL - 291 -

- McKAY, WILLIAM (M¹56), Transmission Engr., Saskatchewan Govt. Telephones, 2350 Albert St., Regina, Sask., Canada. McKAY, WILLIAM M. (A¹33-VA¹39-M¹55), Engr. Designer, Pilotless Aircraft Div., Boeing Airplane Co., Box 3925, Seattle 24, Wash.
- Seattle 24, Wash.

 McKEAN, GEORGE A. (M'59), Instr., Elec. Engrg., Univ. of Idaho, Moscow, Idaho.
- McKEAND, ROBERT W. (A'51-M'58), Project Control Mgr., Famsworth Electronics Co., 3702 E. Pontiac, Ft. Wayne, Ind.
- McKECHNIE, JOHN S. (A'42-M'42-SM'43), Engrg. Sect. Mgr., Westinghouse Elec. Corp., Friendship Internati.
- MCKE CHNIE, JOHN S. (A'42-M'42-SM'43), Engrg. Sect. Mgr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md. McKE CHNIE, KARL H. JR. (S'54-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J. McKECHNIE, RENOALL M. (S'52-A'53-M'58), Mem. Tech. Staff, Saace Technology Labs., Box 95001, Los Angeles 45, Calif.
- McKEE, CHARLES W. (A'32-VA'39), Field Supvr., Arinc Research Corp., Walker AFB, Roswell, N.M. McKEE, DAVID M. (A'49), Elec. Engr., RCA, Camden 8,
- MC KEE, FREDERICK J. (S'56-M'59), Staff Engr., Fed-
- MCKEE, FREDERICK J. (\$'56-M'59'), Start Engr., Feb-eral Electric Co., Paramus, N.J. McKEE, GEORGE R., JR. (A'53-M'55), Research Technician, Burroughs Corp., Paoli, Pa. McKEE, JAMES F. (A'55), Sr. Engr., Radiation, Inc., Box 37, Melbourne, Fla.
- Box 37, Melbourne, Fla. McKEE, JAMES M. (S'52-A'53-M'55), Sales Engr., J.R. DannemillerAssociates, 1204 N. Woodward Ave., Royal Oak,
- MICH.

 MCKEE, LEFLER H. (A'42-M'46), Engr., Expert, Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Cal MC KEE, MARVIN L. (S'58-M'59), Engr., Instrumentation for Propulsion Wind Tunnel Testing, Aro, Inc., Tullahoma, Tenn.
- Tenn.

 McKEE, ROBERT M. (A'54), Engrg. Records Supvr., Westem Military Electronics Center, Motorola, Inc., 8201 E. Mc-Dowell Rd., Phoenix, Ariz.

 MC KEE, ROBER1 W. (M'59), Microwave Engr., Dendix Aviation Co., 11600 Sherman Way, North Hollywood, Calif. McKEE, THOMAS A. (S'55-M'57), Design Engr., GE Co., Mountain View Rd., Lynchburg, Va.

 MC KEE, WALTER S., JR. (S'57-M'59), Electronics Field Engr., Hughes Aircraft Co., Internatl. Airport Sta., Los Angeles 45, Calif.

 McKEE, WALTLLIAM II. (A'56-M'58), Supvy. Electronics

- Mountain View Rd., Lynchburg, Va.

 MC KEE, WALTER S., JR. (S'57-M'59), Electronics Field Engr., Hughes Aircraft Co., Internatl. Airport Sta., Los Angeles 45, Calif.

 McKEE, WILLIAM II. (A'56-M'58), Supvy. Electronics Engr., USAF, 5050th Communications Maint. Group, APO 942, Seattle, Wash.

 McKEE, WILLIAM P., JR. (S'53-M'56), Engr., Douglas Aircraft Co., Inc., Santa Monica, Calif.

 McKEEBY, RICHARD W. (M'56), Elec. Engr., ITT Labs., Clifton, N.J.

 McKEEHAN, MAURICE B. (M'57), Chief Engr., Ed Wismer & Associates, 1715 "S" St., Sacramento, Calif.

 McKEEHAN, WILLBUR F. (A'54), Mgr., Amy-Navy Sales, Power Tube Dept., GE Co., Schenectady, N.Y.

 McKEL, P. DeF ORREST (A'30-VA'39-SM'50), Deputy Chief, Systems Staff Div., Bureau of Facilities, FAA, Washington 25, D. C.

 McKELVEY, EDWARD (M'58), Elec. Design Engr., Chrysler Missile Div., Centerline, Mich.

 McKELVEY, EDWARD (M'58), Elec. Design Engr., Chrysler Missile Div., Centerline, Mich.

 McKENDREE, JOHN D. (S'54-M'56), Staff Engr., Stromberg-Carlson Co., Electronics Center, Rochester, N.Y.

 McKENDRE, JOHN B. (S'46-A'50-M'55), Project Engr., Bendix Research Labs., Box 5115, Detroit 35, Mich.

 McKENDRE, JOHN B. (S'54-M'56), Staff Engr., Stromberg-Carlson Co., Electronics Center, Rochester, N.Y.

 McKENNRY, BLAKE A. (M'45), Patent Agent, Fetherston-haush & Co., 70 Gloucester St., Ottawa, Ont., Canada McKENDRY, JOHN K. (A'46-M'55), Sect. Head, Computer Dept., Genl. Precision Lab., Inc., Pleasantville, N.Y.

 McKENNA, BARBARA D. (A'49), Departur, Kekenna & Wilkinson, 1735 DeSales St., N.W., Washington 7, D. C.

 McKENNA, JANKES A., JR. (A'56), Partner, Wheelock Wilkinson, 1735 DeSales St., N.W., Washington 7, D. C.

 McKENNA, JOHN R. (A'52), Consulting Radio Engr., 2000 Pst., Washington 6, D.C.

 McKENNA, JOHN R. (A'55), Sc., Fech. Writer, Sperry McKENNA, WILBUR E. (A'43-M'45), Chief Engr., Warren Radio Supply, 115 S. Indiana, Sioux Falls, S.D.

 McKENNEY, HONRY F. (SM'55), Chief Engr., Advanced Dev., Chrysler Missile Div., Detroit 31, Mich.

 McKENNEY, MALCOLM S. (M'58), Melpar,

- Mich.
 McKENNEY, MALCOLM S. (M'58), Melpar, Inc., 3000
 Arlington Blvd., Falls Church, Va.
 McKENNON, LOREN W. (A'54), Electronics Parts Mgr.,
 Midland Specialty, 500 W. Paisano, El Paso, Tex.
 McKENZIE, ALEXANDER A. (A'35-M'45-SM'49), Editor,
 Engra. Books, McGraw-Hill Book Co., 33 W. 42 St., New
 York 36, N.Y.

- York 36, N.Y.

 McKENZIE, J. NEAL (S'54-A'55), Sr. Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.

 McKENZIE, JAMES A., III (A'56), Administrative Asst., Hughes Aircraft Co., Culver City, Calif.

 McKENZIE, JAMES R., JR. (S'56-M'57), Assoc. Engr., Convair, Ft. Worth 9, Tex.

 McKENZIE, JOE (S'58-A'59), Electronics Engr., U.S. Army Air Defense 8d., Ft., Bilss, El Paso, Tex.

 McKEDN, EDWARD F. (S'54-M'57), Elec. Engr., RCA, Defense Bd., Rte., 202, Somerville, N.J.

 McKEDN, RDBRT M. (S'54-M'56), Engr., Prellminary Design, Special Weapons, Canadair, Ltd., Montreal, P.Q., Canada.
- McKEOWN, BILLY F. (S'52-A'55), Test Engr., Rocketdyne, Propulsion Field Lab., 6633 Canoga Ave., Canoga Park, Calif.
- McKEOWN, PATRICK J. (M'57), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- McKERSIE, ALAN D. (M'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York, N.Y.

- McKESSON, LEWIS J. (A'27-SM'53), Mem. Tech. Staff, Communication Div., Hughes Aircraft Co., Internati. Air-port, Los Angeles 45, Calif.

- port, Los Angeles 45, Calif.

 McKEY, DIXLE B. (A¹-3-M¹53-SM¹54), Mgr., Range Design & Operations Sect., Philoc Corp., Govt. & Industrial Div., 3875 Fabian Way, Palo Alto, Calif.

 McKIBBIN, DARRELL D. (S¹56-M¹57), Assoc. Research Scientlst, Lockheed Alroraft, Palo Alto, Calif.

 McKIM, WILLIAM J. G. (A¹47-M¹55), Commanding Officer, 175th Signal Service Co., APO 216, New York, N,Y.

 McKINLEY, DONALD W. R. (A¹39-SM¹46-F¹48), Asst. Dir., Radio & Elec. Engrg. Oiv., Natl. Research Council, Ottawa, Ont., Canada.

 McKINLEY, HOWARD L. (SM¹56), Assoc. Prof., Elec.
- McKINLEY, HOWARD L. (SM'56), Assoc. Prof., Elec. Engrg., Georgia Institute of Technology, 225 North Ave., N.W., Atlanta, Ga.
- McKINLEY, HOWARD W. (A'28-SM'53), Instr., Facilities Branch, FAA, Aeronautical Center, Box 1082, Oklahoma Branch, FA City, Okla.

- City, Okla.

 McKINLEY, JOHN J. (S'55-A'56), Electronics Engr.,
 Bomac Lab., Salem Rd., Beverly, Mass.

 McKINLEY, PAUL A. (A'54-SM'56), Systems Engrg.,
 Collins Radio Co., Cedar Raplds, Jowa.

 McKINLEY, WILLIAM D. (S'52-A'53-M'58), Engr., Raytheon Mfg. Co., Wayland, Mass.

 McKINLEY, WILLIAM R., JR. (S'58-M'59), Project Engr.,
 Republic Electric & Development, 2627 Western, Seattle,
 Wash
- McKINNEY, CHESTER M. (S'43-A'45-M'49-SM'52), Research Physicist, Deputy Div. Head, Undersea Warfar Div., Defense Research Lab., Univ. of Texas, 500 E.
- DIV., Derense Research Lab., UNIV. or lexas, 300 E. 24 St., Austin 12. Tex.
 McKINNEY, DONALD J. (\$56-M'57), Fleid Engr., Hughes Aircraft Co., Culver City, Calif.
 McKINNEY, DONALD W. (M'59), Jr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.
 McKINNEY, HOWARD F. (A'55), Assoc. Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.
 McKINNEY, JAY G. (\$157-M'58), Engr., Tech. Prods.,
 PCA Sarvice Co., Camden. N.J.

- McKINNEY, JOHN W. (S'55-A'57), Engrg. Tester, Minn-eapolis-Honeywell Regulator Co., 1425 Stinson Blvd., Minneapolis, Minn.

- McKINNEY, JOHN W. (S'35-A'37), Engig. Isser, Minneapolis, Minn.
 McKINNEY, JOSEPH C. (M'55), Electronic Scientist, Dept. of Defense, Washington 25, D.C.
 McKINNEY, JOSEPH C. (M'55), Electronic Scientist, Dept. of Defense, Washington 25, D.C.
 McKINNEY, NORRIS P. (S'33-A'53-M'56), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5750 Arbor Vitae St., Los Angeles, Calif.
 McKINNEY, RICHARD L. (M'58), Sr. Dev. Engr., Ford Motor Co., 7401 S. Cicero Ave., Chicago 29, Ill.
 McKINNEY, ROBERT C. (M'55), Assoc. & V.P., Allied Components, Inc., 2517 Converse, Dailas, Tex., McKINNEY, RODNEY S. (S'33-A'35), Design Engr., RCA, Camden, N.J.
 McKINNEY, RODNEY S. (S'33-A'35), Design Engr., RCA, Camden, N.J.
 McKINNIS, CHARLES E. (S'50-A'51-M'55), Prod. Engr., GE Co., Owensboro, Ky.
 McKINNON, DONALD J. G. (M'58), 2916 Summerside Ave., Quebec 10, P.Q., Canada.
 McKINNON, RAYMOND J. (A'51), Sales Rep., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
 McKINSTER, REBA G. (M'56), Mfg., Project Engr., Ground Systems, Hughes Aircraft Co., Fullerton, Calif.
 McKIRDY, ROBERT W. (M'48), Consultant, 24 Dobbs Ter., Scarsdale, N.Y.
 McKITTRICK, THOMAS R. (S'57-M'59), Engr., Chrysler Corp., Warren, Mich.
 McKITTRICK, WADSWORTH (M'58), Electronics Technician, Boeing Aircraft Co., Seattle, Wash.
 McKNIGHT, CHARLES F. (A'52), Fuze Design Engr., Frankford Arsenal, Industrial Group 6151, Philadelphia

- McKNIGHT, CHARLES F. (A'52), Fuze Design Engr., Frankford Arsenal, Industrial Group 6151, Philadelphia 37, Pa.
- 37, Pa.
 MCKNIGHT, CHARLES L. (A'54), 2832 Amott St., San
 Diego 10, Calif.
 McKNIGHT, CLEON J. (A'54-M'54), Staff Asst., Overseas
 Transmitter Div. (VOA), Internatl. Broadcasting Service,
 USIA Tempo R, 4 & Independence Sts., Washington 25,
- U.C.

 McKNIGHT, DAVID R. (A'47-M'58), Ensign, USN, NATTC,

 Memphis 15, Tenn.

 McKNIGHT, GEORGE P. (A'42-M'44-SM'55), Div. Mgr.,

 Dev. & Tech. Service, Resistor Div., Speer Carbon Co.,

 Bradford, Pa.
- Bradford, Pa.

 McKNIGHT, HARRY P. (S'57-A'58), Test Technician, Wilcox Electric Co., Inc., 14 & Chestnut, Kansas Citv. Mo.

 McKNIGHT, ROBERT W. (S'48-A'50-M'56), Editor, Rallway Signaling and Communications, Simmons-Boardman
 Publishing Corp., 20 Church St., New York 7, N.Y.

 McKOWN, S. JAMES (M'57), Electronics Field Engr., RCA
 Service Co., Camden 8, N.J.

 McKOY, GEORGE C. (M'59), Asst. Tech. Group Engr.,
 Convair, Pomona, Callf.

 McLACHLAN, GEORGE W. (M'55), Sr. Design Engr., Lockheed Aircraft Service, Ontario Internati. Airport, Ontario,
 Calif.

- heed .

- McLAIR, JAMES J. (S'55-M'57), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. McLAIR, FLOYD D. (M'56), Sr. Engr., Design & Dev., Radiation, Inc., Box 37, Melbourne, Fla. McLAME, ALBERT R. (A'50-M'52), Fleid Engr., Western Electric Co., Winston-Salem, N.C. McLANE, JAMES J. (S'50-M'52-M'57), Electronics Engr., U.S. Naval Ordnance Test Sta., China Lake, Calif. McLANE, ROBERT C. (S'48-A'50-M'58), Sr. Dev. Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridoeway Rd., Minneapolis 13, Minn. McLANE, S. SROOKS, JR. (M'57), Asst. Prof., Physics Dept., Davidson College, Davidson, N.C. McLARE, DAVID C. (S'55-A'56), Exchange Transmission Design, Genl. Telephone Co. of Florida, Box 110, Tampa, Fla. McLAREN, GORDON A. (A'51), Field Supt. MacIvor Flec-McLAREN, GORDON A. (A'51), Field Supt. MacIvor Flec-McLAREN, GORDON A. (A'51), Field Supt. MacIvor Flec-

- McLAREN, GORDON A. (A'51), Field Supt., MacIvor Elec-tronics, Ltd., 248 Main St., Winnipeg 1, Man., Can-ada.
- MCLAREN, IAN H. (A'43-M'55), Dept. Head, Weapon Systems Dept., Research Labs., Bendlx Aviation Corp., Box 5115, Detroit 35, Mich.

- McLARIN , MAITLAND (A'51-M'56) , Electronics Engr. , GS-12 , Head Test Techniques Unit , Captive Filght Sect Missile Static Test Site , Rocket Engine , Edwards AFB ,
- MCLAUCHLAN, DEREK J. A. (M'58), Telemetry Systems Engr., Bristol Aircraft, Ltd., Filton House, Bristol, England.
- England.

 McLAUCHLAN, JOHN M. (S'53-A'55), Sr. Electronics Engr.,
 Convair-Astronautics, San Diego, Calif.

 McLAUGHLIN, ALAN J. (S'58-M'59), 2nd Lt., U.S. Army
 Signal Corps., Ft. Monmouth, N. J.

 McLAUGHLIN, CHARLES E. (M'51), Staff Engr., Oet. No. 1,
 Hdrs., Air Research & Dev. Command, Wright-Patterson AFB,
 Ohio.

- Ohio.

 McLAUGHLIN, DONALD J. (M'47-SM'56), Combined Systems Sect. Head, Data Processing Branch, U.S. Naval Research Lab., Washington 25, D.C.

 McLAUGHLIN, FRANCIS G. (A'50), Engrg. Aide, Space Electronics Corp., 1200 Air Way, Glendale, Calif.

 McLAUGHLIN, GEORGE (SM'58), Dept. Head, Hughes Aircraft Co., Culver City, Calif.

 McLAUGHLIN, GEORGE H. (S'42-M'45), Consultant Engr., Nucom, Ltd., 36 Cranfield Rd., Toronto 13, Ont., Canada.

 McLAUGHLIN, IRVEN L. (S'51-A'51-M'56), Weapon System Mngt. Engr., Hyrs., Air Research & Development Command, Wright-Patterson AF 8, Ohio.

 McLAUGHLIN, IAMES F. (A'54), Engr., Western Electric
- McLAUGHLIN, JAMES F. (A'54), Engr., Western Electric Co., Laureldale, Pa. McLAUGHLIN, JOHN (A'58), Microwave Lab., GE Co., Palo Alto, Calif.
- Palo Alto, Calif.

 McLAUGHLIN, JOHN A. (S'55-M'56), Transducer Engr.,
 RCA, Camden 8, N. J.

 McLAUGHLIN, JOHN A. (M'53), Research Engr., IBM, Monterey & Cottle Rd., San Jose, Calif.

 McLAUGHLIN, JOHN R. (M'56), Mem. Tech. Staff, The
 Ramo-Wooldridge Corp., 5740 Arbor Vitae, Los Angeles,
- McLAUGHLIN, JOHN W. (M¹57), Project Engr., Eitel-Mc-Cullough, Inc., 1678 S. Proneer Rd., Salt Lake City 4, Utah.
- McLAUGHLIN, KENNETH M. (3M'48), Myr., Color Kinescope Plant, RCA Tube Div., Lancaster, Pa. McLAUGHLIN, NEIL C. (\$'56-M'58), Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1,
- N.Y.

 McLAUGHLIN, NORMANR. (M'58), Dev. Engr., Western Electric Co., Winston-Salem, N.C.

 McLAUGHLIN, RICHARD G. (S'52-A'53), Branch Mgr.,
 Raytheon Mfg. Co., 2216 Imperial Ave., San Diego 2,
 Calif.
- McLAUGHLIN, RICHARD H. (S'56-M'57), Canadian Genl. Electric Co., 830 Lansdowne Ave., Toronto, Ont., Canada. McLAUGHLIN, RICHARD L. (M'57), Reliability Electronics Engr., Govt. Service Dept., RCA Service Co., 104 N. George St., Rome, N.Y.
- George St., Rome, N.Y.

 McLA UGHLIN, ROBERT B. (M'58), Supvy. Electronics Engr., FAA, 5th Regional Office, Anchorage, Alaska.

 McLAUGHLIN, WILLIAM C. (S'50-A'51-M'56), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 McLAUGHLIN, WILLIAM J. (A'54-M'59), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5730 Arbor Vitae Rd., Los Angeles, Calif.

- Calif.

 McLAURIN, TURNER S. (S'52-A'54), Management, Natl.
 Security Agency, Washington 25, D.C.

 McLAY, JOHN JR. (A'51-SM'57), Div. Supvr., Sandia
 Corp., Sandia Base, Albuquerque, N.M.

 McLAY, JOHN, JR. (A'51-SM'57), Div. Supvr., Sandia
 Corp., Sandia Base, Albuquerque, N.M.

 McLAN, ARCHIBALD S. (A'58), Consultant, A. Swinton
 McLEAN, ARCHIBALD S. (A'58), Consultant, A. Swinton
 McLEAN, Daylo S. (A'56), Consultant, A. Swinton
 McLEAN, DAO S. (A'56), Consultant, A. Swinton
 McLEAN, DAVID A. (M'56-SM'59), Elec. Engr., 2611 El.
 Labs., 1600 Osgood St., North Andover, Mass.

 McLEAN, DAVID A. (M'56-SM'58), Mem. Tech. Staff, 8ell
 Tel. Labs., Murray Hill, N.J.

 McLEAN, DONALD J. (S'55-M'56), 44, Castlebar Rd., London,
 W. 5, England.

 McLEAN, FRANCIS C. (A'26-SM'47), Deputy Chief Engr.,

- W. 5, England.

 McLEAN, FRANCIS C. (A'26-SM'47), Deputy Chief Engr.,
 BBC, Broadcasting House, London, W. 1, England.

 McLEAN, JAMES D. (SM'57), Pres., Hoffman Labs. Div.,
 3740 S. Grand Ave., Los Angeles 7, Calif.

 McLEAN, JAMES W. (SM'56), Sr. Elec. Engr., Melpar, Inc.,
 3000 Arlington Blvd., Falls Church, Va.

- 3000 Arlington Blvd., Falls Church, Val.
 MCLEAN, JOHN B. (M'55), Electronics Engr., Rome Air
 Development Center, Rome, N.Y.
 McLEAN, LEE V. (M'51-SM'56), Prof., Elec. Engrg. Dept.,
 Louisiana State Univ., Baton Rouge 3, La.
 McLEAN, MARCUS H. (S'49-A'51-M'57), Capt., USAF,
 Ressarch Project Officer, Wright Air Development Center,
 Wright-Patterson AFB, Ohio.
- Wright-Patterson AFB, Ohio.

 McLEAN, MURRAY D. (M'58), Northern Electric Co., Ltd.,
 1000 Guy St., Montreal, P.Q., Canada.

 McLEAN, ROBERT A. (M'58), Branch Mgr., Canadian Electronics, Ltd., 334-4 Ave., S.E., Calgary, Alta., Canada.

 McLEAN, ROBERT C. (S'55-M'57), Application Engr., GE
 Co., 80x 115, North Syracuse, N.Y.

 McLEAN, RUE (G'41-SM'49), Prof., Elec. Engrg., Cornell
 Univ., Phillips Hall, Ithaca, N.Y.

 McLEAN, WILLIAM B. (SM'57), Tech. Dir., U.S. Naval
 Ordnance Test Sta., China Lake, Calif.

 McLEISH, C. WILLIAM (S'36-A'40-M'46-SM'58), Sr.
 Research Officer, Radio & Elec. Engrg., Div., Natl. Research Council of Canada, Ottawa, Ont., Canada.

 McLEMORE, BYRON 8. (M'58), Chief Engr., W8KH, Deep

- search Louncil or Lanada, Ottawa, Oht., Canada. McLEMORE, BYRON 8. (M'58), Chief Engr., W8KH, Deep South Radio, Inc., 305 Bay St., Hattiesburg, Miss. McLENDON, CHARLES R. (M'58), Mgr., Advertising & Publications, Southwestern Industrial Electronics Co., 10201 Westheimer, Houston 27, Tex. McLENDON, JOHN T., JR. (A'53), Owner, Service Mgr., Modern Electronics, Lejeune Blyd., Jacksonville, N.C. Mall ENNAN, DOLIGIAS F. (A'52), Page. D. Eigha Mederne.
- Modern Electronics , Lejeune Blvd. , Jacksonville, N.C. McLENNAN, DOUGLAS E. (A'52), Pres. D. Eidon McLeman, Ltd., 1624 W. 3rd Ave., Vancouver 9, B.C., Canada. McLENNAN, EWEN A. (S'56-M'57), Dasign Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.
- MCLENNAN, JOHN D. (A'52-M'57), Transmission & Outside Plant Engr., The Pacific Telephone & Telegraph Co., 620 C St., San Diego, Calif.

- McLENNAN, MILES A. (M'45-SM'54), Chief, 8io-Electronics Sect., Aero-Medical Lab., Wright Air Development Center, USAF, Wright-Patterson AF8, Ohio.

- USAF, Wright-Patterson AFB, Ohio.

 McLENNAN, ROD A. (S'57-M'58), Electronics Scientist,
 U.S. Navy Electronics Lab., San Diego, 52, Calif.

 McLEOD, BENJAMIN C. (A'54-M'59), Engr., Airpax Prods.
 Co., Ft. Lauderdale, Fla.

 McLEOD, BENJAMIN F. (SM'55), Communications Engr.,
 Pan American World Airways, Miami, Fla.

 McLEOD, BRUCE A. (S'53-A'55), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N. J.

 McLEOD, JAMES S. (A'52-M'57), Project Engr., Page
 Communications Engrs., Inc., 710 14 St., N.W.,
 Washington 5, O. C.

 McLEOD, JOHN H., JR. (A'55), Design Specialist, ConvairAstronautics, San Diego 11, Calif.

 McLEOD, JOHN W. (S'43-A'45-M'49), Genl. Mgr., Andrew
 Antenna Corp., Ltd., 606 Beech St., Whitby, Ont., Canada.

 McLEOD, KENNETH A. (A'38), Dev. Engr., Bristol Co.,

 Waterbury, Corn.
- McLEOD, MALCOLM G. (M'57), Research Engr., No. Amer. Aviation, Downey, Calif. McLEOD, MAXWELL G. (M'56), Communications-Electronics Staff Officers, Hgrs., 17th Air Force, APO 231, New York,
- N.Y.

 MCLEOD, WILLARD W., JR. (S'46-A'48-M'55), Dept. Mgr.,
 Missile Systems Div., Raytheon Mfg. Co., Bedford, Mass.

 MCLIN, JOHN T. (A'45), Sales Engr., W. & W. Distributing Co., 639 Madison Ave., Memphis, Tenn.

 MCLIN, WILLIE R. (A'52), Sr. Electronics Technician,
 Texas Instruments, Inc., 3609 Buffalo Speedway, Houston
 25, Tex.
- McLINDEN, JAMES E , JR. (SM'55), Engrg. Sect. Head, Electronics Tube Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- MCLUCAS, JOHN L. (S'50-A'51-SM'52), Pres., Halter, Raymond & Brown, Inc., Science Park, State College, Pa. MCMAHON, DAVID W., JR. (A'54), Equipment Engr., Western Electric Co., Cernak & Cicero, Chicago, III.
- Western Electric Co., Cermak & Cicero, Chicago, Ill.

 McMAHON, E. LAWRENCE (M'58), Asst. Prof., Elec.
 Engre, Michlgan State Univ., East Lansing, Mich.

 McMAHON, GEORGE V. (M'48), Owner-Dir., George V.

 McMAHON Electronic Engre, Research & Development Lab.,
 381 W. 7 St., San Pedro, Calif.

 McMAHON, JAMES R. (S'57-M'59), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.,

 McMAHON, JOHN E. (M'52), Sr. Electronics Engr.,
 Convair, Pomona, Calif.

 McMAHON, JOHN H. (A'50-M'55), Engr., Research &
 Dev., Page Communications Engrs., Inc., 710 14 St.,

 N.Y., Washington, D.C.

 McMAHON, MORGAN E. (S'48-A'51-M'56), Head, Prod.

- N.W., Washington, D.C.

 McMAHON, MORGAN E. (S'48-A'51-M'56), Head, Prod.
 Engro., Pacific Semiconductors, Inc., 10451 W. Jefferson
 81vd., Culver City, Calif.

 McMAHON, RICHARD F. (M'56), Elec. Engr., Remington Rand
 Univac, St. Paul 4, Minn.

 McMAHON, VINCENT J. (M'58), Canadian Broadcasting Corp.,
 8ox 2290, Edmonton, Alta., Canada.

 McMAHON, WILLIAM D. (SM'57), Mgr., Engrg.
 Presentation, Dept. 477, Goodyear Aircraft Corp.,
 Akron 15, Ohio.

 McMAHON, WILLIAM 9. (SIS2 MIS6), Se. Form. City

- MCMAKIN, WILLIAM 8. (S'52-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Woburn, Mass. MCMANIS, DONALD L. (M'57), Collins Radio Co., Cedar Rapids, Iowa.

- McMANIS, DONALD L. (M'57), Collins Radio Co., Cedar Rapids, Iowa.

 McMANIS, LOUIS 8. (A'46-SM'52), Geophysical Mgr., Southwestern Industrial Electronics Co., 8ox 13058, Houston 19, Tex.

 McMANN, IRA H.S. (SM'56), Hgrs., Air Research & Development Command, Andrews AFB, Washington 25, D.C.

 McMANUS, JAMES T. (A'56), Antenna Dev. Engr., Grumman Aircraft Engra. Corp., Bethpage, L.I., N.Y.

 McMANUS, JOHN E. (A'51-M'56), Supvr., Communications Sect., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.

 McMANUS, RICHARD O. (M'58), Electronics Scientist, Air Force Cambridge Research Center, Bedford, Mass.

 McMANUS, ROBERT P. (M'55), Electronic Scientist, USN Electronics Lab., San Diego 52, Calif.

 McMANUS, THOMAS J. (S'50-A'50-M'56), Engr., Airborne Instruments Lab., Inc., 1101 Stewart Ave., Garden City, L.I., N.Y.

 McMANUS, WILLIAM K. (S'57-M'59), Prod. Engr., Sperry Electronic Tube Div., 8ox 652, Gainesville, Fla.

 McMASTER, WILLIAM J. (A'48), Engr., Aerophysics

- Sperry Electronic Tube DIV., 80x 652, Gainesville,
 Fla.

 McMASTER, WILLIAM J. (A'44B), Engr., Aerophysics
 Development Corp., 80x 689, Santa 8arbara, Calif.
 McMASTERS, PHILIP A. (A'44-M'5D-SM'55), Group
 Chief, Field Engrs, Force, Western Electric Co., c/o
 Electronics Office, Key West Naval Sta., Fla.
 McMATH, DANIEL C., JR. (A'55), Supyv. Research Engr.,
 Army Ballistic Missife Agency, Titusville, Fla.
 McMECHAN, JAMES D. (S'53-M'56), Instr., Elec. Engrg.,
 Iowa State College, Ames, Iowa.
 McMENAMIN, J. MICHAEL (S'53-M'56), Elec. Design
 Engr., Hazeltine Electronics, Little Neck, L.I., N. Y.
 McMENAMIN, SAYRE 8. (M'57), Electronics Engr.,
 Telectronic Div., Ship Branch, Communication Sect.,
 Naval Shipyard, Pearl Harbor, Hawaii.
 McMENOMEY, JOHN M. (A'46-M'52), Supvr., Tech.
 Rep. Div., Philco Corp., 22 St. & Lehigh Ave., Philadelpiha 32, Pa.
 McMICHAEL, ROY W. (M'57), Engr., Collins Radio Co.,

- McMICHAEL, ROY W. (M'57), Engr., Collins Radio Co., Cedar Rapids, Iowa. McMILLAN, BROCKWAY (SM'54), Dir., Research In Mili-tary Systems, Bell Tel. Labs., Whippany, N.J. McMILLAN, EDWARD B. (SM'46), Pres., McMillan Lab., Inc. & McMillan Industrial Corp., Brownville Ave., Ioswich, Mass.
- Inswich , Mass
- ipswich, Mass.
 McMILLAN, ELBERT C. (A'52), Asst. Mgr., Testing Lab.,
 I8M, Poughkeepsle, N.Y.
 McMILLAN, JOSEPH D. (A'53-M'58), Transmission Engr.,
 Western Electric Co., Defense Project Div., 220 Church
 St., New York 13, N.Y.
- McMILLAN, ROBERT E. (M'43-SM'55), Mgr., Electronic Debt., Research & Dev. Div., Curtiss-Wright Corp., Quehanna, Pa.
- McMILLAN, STEWART H. (A'53), Electronics Engr., Strand Engrg. Co., 1354 N. Main St., Ann Arbor,

- McMILLAN, WILLIAM R. (M'58), 2942 Hazel Ave., Dayton 20, Ohio.
- McMILLEN, JOHN D. (S'58-M'59), 661 Ocean Ave., West End, N.J.
- MCMILLEN, ROBERT C. (A'54-SM'54), Research Mgr., Engrg. Research Lab., I.E. duPont de Nemours & Co., Inc., Wilmington 98, Del.
- Inc., Wilmington 98, Del.

 McMILLIAN, LONNIE S., JR. (M'55), Sr. Engr., Radiation,
 Inc., Melbourne, Fla.

 McMILLIN, DANIEL L. (S'50-A'53), Mem. Tech. Staff,
 Bell Tel. Labs., 801 Merritt Dr., Greensboro, N.C.

 McMILLIN, DAVIO W. (S'56-M'57), Research Engr.,
 Missile Div., No. Amer. Aviation, Downey, Calif.

 McMILLIN, GRANT L. (S'57-A'58), The Parker Co.,
 Janesville, Wis.

 McMILLIN, J. M., JR. (S'49-A'54-M'59), Mem. Tech.
 Staff, Research Div., Texas Instruments, Inc., 6000
 Lermon Ave., Dallas 9, Tex.

 McMILLIN, JOHN V. (S'56-M'57), Staff Mem. Sandia

- Lemmon Ave., Dallas 9, Tex.

 McMILLIN, JOHN V. (S'56-M'57), Staff Mem., Sandia
 Corp., Sandia Base, Albuquerque, N.M.

 McMILLIN, KENNETH M. (M'58), Michigan College of Mining
 & Technology, Mathematics Dept., Houghton, Mich.

 McMILLIN, RANDALL R. (A'58), NBC, 30 Rockefeller Plaza,
 New York 20, N.Y.

 McMINN, EARL R. (M'59), Sr. Design & Components Engr.,
 Allison Div., GMC, Indianapolis 6, Ind.

 McMONAGLE, DOUGLAS 8. (M'58), Engr., Raytheon
 Migs. Co., Bedford, Mass.

 McMORROW, CHARLES F. (S'48-A'50-M'55), Mgr.,
 Communications Support Engrg., RCA, Camden, N.J.

 McMULLEN, CHARLES G. (SM'56), Dir., Engrg. & Research, Bendix Radio, Towson 4, Md.

 McMULLEN, CHARLES SW. (S'50-A'53-M'58), Asst. Prof.
- search, Bendix Radio, Towson 4, Md.
 McMULLEN, CHARLES W. (S'50-A'53-M'58), Asst. Prof.,
 Northwestern Univ., Elec. Engrg. Dept., Evanston, III.
 McMULLEN, EDWARD W. (A'57), Application Engr., G. V.
 Controls, Okner Pkwy., Livingston, N.J.
 McMULLEN, PATRICK L. (M'58), Jr. Engr., Collins
 Radio Co., 166 W. Olive, Burbank, Calif.
- McMULLIN, NYAL D. (SM'58), 55 Paul Ave., Mountain View, Calif.
- View, Calif.

 McMULLIN, ROBERT E. (M'56), Electronics Engr., Fairchild Guided Missile Div., Wyandanch, L.J., N.Y.

 McMULLIN, THOMAS J. (M'55), Pres., CECO, Inc. &

 Exec. V.P., Communications Engrg. Co., 900 Dragon St.,

 Dallas 2, Tex.
- Dallas 2, Tex.

 McMURRDIE, THOMAS E. (A'56), Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 McMURRAY, DONALD D. (S'50-A'51-M'56), Engr., Midwest Communications Co., Oelwein, Iowa.

 McMURRAY, ROBERT F. (M'58), 3333 Lockmoor Lane, Dallas 20, Tex.

 McMURROUGH, ROBERT W. (A'55-M'59), Engr., RCA Electron Tube Div., Harrison, N.J.

 McMURREY, ATHA W. (SM'58), Scientist, Temco Aircraft Corp., Dallas, Tex.

 McMURREY, CHARLES L. (S'56-M'58), Jr. Elec. Engr.

- craft Corp., Dallas, Tex.

 McMURTRIE, CHARLES L. (S'56-M'58), Jr. Elec. Engr.,

 Stavid Engr., Inc., Rte. 22, Plainfield, N. J.

 McMURTRIE, DAVID L. (SM'57), Sr. Elec. Engr. & Group

 Leader, Raytheon Mig. Co., Wayland, Mass.

 McMURTRIE, KENNETH A. (SM'57), Systems Engr., GE

- McMURTRIE, KENNETH A. (SM'5/), Systems Engr., GE. Co., Syracuse, N.Y. McMURTRY, 8URTON J. (S'56-M'57), Engr., Sylvania Elec. Prods., Inc., Mountain View, Calif McNA8B, JAMES W. (A'53-M'58), Head, Communications, Systems Div., Bendix Aviation, Ann Arbor, Mich. McNA8B, LOUIS A. (SM'56), Chief Engr., L. A. McNabb. Co., RFD 2, Sutton Rd., Barrington, III. McNA8B, ROBERT E., JR. (M'54), Engr., IBM, Owego, N.Y.
- N.Y.

 McNAIR, ROBERT J. (S'53-M'57), Head, Advanced ProJects, Crosley Div., Avco Mfg. Corp., 1329 Arlington St.,
 Cinclinnati ZS, Ohio.

 McNALL, JOHN W. (A'43-SM'50), Asst. Dir., Research,
 Westinghouse Lamp Div., MacArthur Ave., Bloomfield, N. J.
 McNALLY, FRANCIS C., JR. (S'54-A'55), Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md.

 McNALLY, HENRY R., JR. (A'40), Transmitter Supvr.,
 Baltimore Broadcasting Corp., Owings Mills, Md.
 McNALLY, IRVIN L. (SM'46), Asst. to Dir., Engrg., Raytheon Mfg. Co., Wayland, Mass.
 McNALLY, JAMES O. (I'24-A'26-SM'44-F'57). Asst.

- McNALLY, JAMES O. (J'24-A'26-SM'44-F'57), Asst. Dir., Dev., Electron Tubes, Bell Tel. Labs., Murray Hill, N. J.
- HIII, N. J.

 MCNALLY, JOHN P. (A'58), V. P.-In-Chg., Engrg., TVRadio, Zanoni St., Woodcliff Lake, N. J.

 McNALLY, WILLIAM P. (S'49-A'50-M'53), Sales Mgr.,

 W. L. Maxson Corp., 475 10 Ave., New York 18, N. Y.

 McNAMARA, ALLEN G. (M'52), Assoc. Research Officer,
 Radio & Elec. Engrg. Div., Natl. Research Council, Ottawa,
 Ont., Canada.
- Radio & Elec. Engrg. Div., Nati. Research Council, Ottawa, Ont., Canada.

 McNAMARA, DANIEL J. (M'57), Publication Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 McNAMARA, FARAICIS T. (A'3-M'55), Assoc. Prof., Elec. Engrg., Yale Univ., New Haven, Conn.

 McNAMARA, JAMES E. (A'55), Chief Research Engr., Elec., U. S. Steel Corp., 525 William Penn Pl., Pittsburgh 30, Pa.

 McNAMARA, JAMIN E. (A'47-M'53), Tech. Liaison Engr., Hughes Aircraft Co., Culver City, Calif.

 McNAMARA, THOMAS J. (S'45-A'46-M'55), Special Asst. to Div. Mgr., Mktg., DATAmatic, Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton Highlands, Mass.

 McNAMARA, WILLIAM E. (A'54), Test Supwr., Sylvania Electronic Systems, Needham 94, Mass.

 McNAMEY, JOSEPH T. (SM'53), Tech. Dir., Stromberg-Carlson Co., 1895 Hancock St., San Diego 12, Calif.

 McNARY, BILLY D. (M'53), Dev. Engr., GE Co., Schenettady, N. Y.

 McNARY, JAMES C. (J'22-A'27-M'28-SM'43), Consulting Engr., 906 Natl. Press Bidg., Washington 4, D. C.

 McNary, Robert C. (S'58-A'59), Instrumentation Technician, Convair, 80x 748, Ft. Worth, Tex.

 McNATY, ELMER J. (M'55), Dow. Engr., Western Electric Co., Winston-Salem, N. C.

 McNATY, E. (M'44-M'50), Owner, Texas Electronics Co. (Communications Specialists), 3459 Tampa St., Houston 21, Tex.

 McNAUGHTON, ROY A. (M'44), Sect. Head, Test Equipment Dession & Dev., Sylvania Flee, Purds. Inc.

- MCNAUGHTON, ROY A. (M'44), Sect. Head, Test Equipment Design & Dev., Sylvania Elec. Prods., Inc., Emportum, Pa.

- McNAUGHTON, RUSSELL J. (S'55-M'58), 2nd Lt., U.S. Army, U.S. Army Signal Corps Agency, White Sands Provin Army, U.S. A Ground, N.M
- Ground, N.M.

 McNAUL, JAMES P. (M'57), Lt., Asst. Project Difficer, U. S. Army Signal Engrg. Labs., Ft. Monmouth, N. J. McNEALUS, ARTHUR L. (A'53-M'57), Field Engr., Eclipse -Pioneer Div., Bendix Aviation Corp., Teterboro, N. J. McNEEL, EVRON L. (A'52), Communication Supt., The East Ohio Gas Co., 1201 E. 55 St., Cleveland 3, Ohio. McNEELY, JOHN S. (A'40-M'44-SM'50), Equipment Engr., Southwestern Bell Tel. Co., 308 S. Akard St., Dallas 1, Tex.
- McNEELY, TRUMAN L. (M'58), 852 Gale Ave., Hawthome,
- McNEES, STERLING G. (M'47), Engr., RCA, Lancaster,

- Pa.

 McNEILL, 8RUCE T. (A'37-M'45), Local Transmission Engr., Eastern Area, Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal 1, P. Q., Canada.

 McNEIL, JACK M. (M'56), Asst. Engr., Saskatchewan Govt. Telephones, Regina, Sask., Canada.

 McNEILL, HORACE N. (A'52), Mgr., Prod. Service & Mktg., Personnel Oev., GE Co., Lynchburg, Va.

 McNEILL, JOHN F., JR. (S'56-M'58), Ensign, USNR, USN, USN Witek (EDD 848), FPO. New York, N. Y.

 McNEILL, THOMAS J. (A'53), Electronics Dev. Engr., Thompson-Ramo-Wooldridge, Inc., 2196 Clarkwood, Cleveland, Ohio.

 McNEILS, PATRICK J. (S'55-M'57). Design Engr., Air-
- Cleveland, Ohio.

 McNELIS, PATRICKJ. (S'55-M'57), Design Engr., Airborne Computer Lab., I8M, Owego, N. Y.

 McNELLIS, JOSEPH F., 111 (S'57-M'58), 131 Gaylord Dr., Waterbury, Conn.

 McNEMAR, CHARLES W. (A'56), Jr. Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 McNICHOLAS, JOHN V. (S'57-M'58), 61 Melrose Ave., Youngstown, Ohio.
- Youngstown, onlo.

 McNICHOLS, HAL 8. (A'50), Supvry. Engr., Columbia Gas
 System Service Corp., 1600 Dublin Rd., Columbus 12, Ohio.

 McNICKLE, REX E. (M'49), Administrator, Quality Control,
 Kinescope Operations, RCA, New Holland Pike, Lancaster, Pa
- McNICOL, FLOYD R. (A154), Systems Engr., RCA, Camden,
- N.J.

 McNORTON, SIMON L. (A'58), Tabulation Machine Operator, Regional Controllers Office, Canal & Van Buren, Chicago, III.

 McNULLY, JOSEPH L. (A'56), Field Engr., RCA Service
 Co., Camden 8, N.J.

 McNULTY, JOHN W. (A'44-M'49), Engr., Pacific Telephone
 & Telegraph Co., 760 Market St., San Francisco 2, Calif

 McPADDEN, GORDONE (S'55-M'57), Lt., USN Comstrike
 for South, FPO, New York, N.Y.

 McPARLAND, FRANCIS H. (A'54), Sr. Electronics Engr.,
 Avoc Advanced Development Div., 750 Commonwealth Ave.,
 805ton, Mass.

 McPARTLAND, JOHN F. (A'56), 215 S. E.S. Junior Medical Component Div., Research C

- McPARTLAND, JOHN F. (A'56), 415 S. 5 St., Harrison,
- M.J., JAMES H. (S'53-A'54), Engr., Microwave Engrg. Labs., Inc., 943 Industrial Ave., Palo Alto, Calif. McPHEE, ALEXANDER J. (M'56), Engr., RCA, 75 Varick St

- MCPHEE, ALEXANDER J. (M'56), Engr., RCA, 75 Varick St New York 13, N. Y.
 McPHEETERS, DONALD W. (A'52-M'58), Genl. Engr., Link Aviation, Inc., Hillcrest, Slinghamton, N.Y.
 McPHERSON, DAVID L., III (S'50-A'52-M'57), V.P., Lel. Inc., 380 Oak St., Copiague, L.I., N.Y.
 McPHERSON, EUGENE L. (M'57), Elec. Engr. Designer, Boeing Airplane Co., Seattle, Wash.
 McPHERSON, JAMES A. (S'57-M'58), U.S. Army, RC
 Signals, Vimy Barracks, Kingston, Ont., Canada.
 McPHERSON, JOHN C. (SM'53), V.P., IBM, 590 Madison Ave., New York 22, N.Y.
 McPHERSON, LEO G. (S'50-A'51-M'58), Elec. Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 27, Md.
 McPHERSON, ROBERT G. (S'51-A'52-M'58), V.P., FMA

- Ostumbre 21, Md.

 McPHERSON, ROBERT G. (S'51-A'52-M'58), V.P., FMA
 Inc., 504 Main St., El Segundo, Calif.

 McPHERSON, ROBERT R. (S'43-A'46-M'55), Research
 Assoc., Engrg. Research Institute, Univ. of Michigan, Ann
 Arbor, Mich.
- Arbor, Mich.

 McPHERSON, ROBERT T. (A'55), Mfrs. Rep., GE Communications Equipment, Radio Communication Services, 504 N. Ravine St., Sault Ste. Marie, Mich.

 McPROUD, CHARLES G. (M'46), Editor & Publisher, Audio Magazine, 80x 629, Mineola, L.I., N.Y.

 McQUADE, EDMUND J. (M'57), Field Engr., Power Equipment Co., Galion, Ohio.

 McQUAID, ALVIN C. (A'56), 250 Broadway, Winnipeg 1, Man., Canada.

- McQUAID, WILLIAM K. (M'55), Project Engr., I8M,
- Poughkeepsie, N.Y.

 McQUATE, PAUL L. (M'56), Flectronics Engr., Natl. Sure of Standards, Boulder, Colo.

 McQUEENEY, KENNETH A. (S'51-A'52-M'56), Mgr., Systems Div., Alto Scientific Co., Inc., 855 Commercial St., Palo Alto, Calif.

- St., Palo Altó, Calif.

 McQUEENY, L. GARY (A¹59), Field Service Engr., Stromber-Carlson Co., Rochester, N.Y.

 McQUERRY, WANYE H. (SM¹58), 2003 W. 116 St.,
 Los Angeles 47, Calif.

 McQUIGG, HENRY E. (S¹57–M¹59), Engr., Celanese Corp.,
 of America, Box 937, Pampa, Tex.

 McQUISTON, WILLIAM R. (A¹48–M¹51–SM¹54), Sales Mgr.,
 Electronic Engrg. Co. of California, 1601 E. Chestnut, Sant.
 Ana, Calif.
- Ana, Calif.

 McQUOWN, ALBERT N., JR. (S'54-A'55-M'57), Chief Engr
 White Instrument Labs., 5500 Balcones Trail, Austin, Tex.

 McRAE, ALBERT H. (M'45-SM'53), Suovy. Engr., Operatrons Office, DCS Plans & Operations, Wright Air Development
 Center, Wright-Patterson AF8, Ohio.

 McRAE, DAMIEL D. 441573
- McRAE, DANIEL D. (M*57), Asst. Project Engr., Radiation Inc., Melbourne, Fla.
- Inc., Melbourne, Fla.
 McRAE, DONALD W. (A'53), Radio Technician, Abitibi Power
 & Paper Co., Ltd., Sault Ste. Marie, Ont., Canada.
 McRAE, FRANKLIN 8. (M'46), Asst. Head, Instrumentation
 Systems Engrg. Div., U.S. Naval Missile Center, Point
 Mugu, Calif.
- McRAE, JAMES C. (S'53-M'57), Research Engr , Boeing Airplane Co. , Seattle , Wash. McRAE, JAMES W. (A'37-F'47), V.P., AT&T Co., 195 Broadway, New York 7, N.Y.

- McRAE, JOHN P. (A'52-M'58), Chief Radio Engr., Arkansas Game & Fish Commission, Game & Fish 8ldg., Little Rock, Game Ark.
- McRAE, RUSSELL C. (M'57), Electronics Research Physicist, Eitel-McCullough, Inc., 79B San Mateo Ave., San Bruno, Calif.

- Eitel-McCullough, Inc., 79B San Mateo Ave., San Bruno, Calif.

 McRAE, WILLIAM J. (S'57-A'58), Dev. Engr., Sprague Electric Co., North Adams. Mass.

 McREE, BENJAMIN R. (M'53), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 McRODEN, WILLIAM L. (M'59), Prod. Engr., Western Electric Co., Laureldale, Pa.

 McRUER, DUANE T. (S'47-A'50-SM'54), Pres., Systems Technology, Inc., 1630 Centinela Ave., Inglewood 3, Calif.

 McSHANE, JOHN P. (S'54-M'55), Industrial Prod. Analyst, Computer Dept., GE Co., 13430 N. Black Cartyon, Phoenix, Ariz.

 McSHERRY, JAMES H. (A'54), Engr.-in-Chg., Electronics Lab., Olin Mathieson Chemical Corp., East Alton, Ill.

 McSORLEY, SAMUEL L. (A'54), Sales Engr., Fastex Div., Illinois Tool Works, Algonauin Rd., Des Plaines, Ill.

 McSPADDEN, WILLIAM R., JR. (S'55-M'56), Engr., RCA, 2720 E. Broadway, Tucson, Ariz.

 McSWEENY, ROGER (A'29-SM'45), Assoc. Dir., Engr., Internatl. Communication Services, Garden Plaza, Paramus, N.J.

 McVAY, FRANZ C. (S'56-M'58), Engr., Raytheon Mfg. Co.,

- Internati. Communication Services, Garden Plaza, Paramus, N. J. N. J.

 McVAY, FRANZ C. (S'56-M'58), Engr., Raytheon Mfg. Co., Box 636, Santa Barbara. Calif.

 McVAY, MLLARD S. (A'43-SM'51), Assoc. Prof., Elec. Engre. Dept., University of Illinois, Urbana. III.

 McVEY, BRUCE D. (S'46-A'50-M'55-SM'58), Mgr., MG-Series System Dept., Hughes Aircraft Co., Culver City, Calif. McVEY, IRVIN M. (M'57), Research Engr., Rocketdyne, Canoga Ave., Canoga Park, Calif.

 McVICAR, KENNETH E. (S'49-A'51-M'56), Dept. Head, Mitre Corp., Lexington, Mass.

 McVITY, JOHN R. G. (A'51), Owner, J. R. G. McVity & Co., 51 Dalewood Rd., Toronto 12, Ont., Canada.

 McVITY, LEONARD H. (A'51), Proprietor, Independent Lab., 1B Colonial Ave., Larchmont, N.Y.

 McWAID, FREDERICK H. (S'57-M'59), Assoc. Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.

 McWAID, JOHN A. (A'54), Sales Engr., V. T. Rupp Co., 307 Parkman Ave., Los Angeles 26, Calif.

 MCWHAN, BAYMAN (A'41-M'55), Mem. Tech. Staff, Beil Tel. Labs., Whippany, N.J.

 McWHATER, DOUGLAS A. (S'56-M'58), Systems Analyst, 1DM, Don Mills Rd., Toronto 6, Ont., Canada.

 McWHORTER, ALAN L. (S'51-M'56), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 McWHORTER, LEON C. (S'55-M'57), Design Engr., Convair. For Worth. Tex.

- McWHORTER, LEON C. (S155-M157), Design Engr., Con-vair, Fort Worth, Tex.
- wair, Fort Worth, Tex.

 McWHORTER, MALCOLM M. (S'47-A'53), Assoc. Prof. & Research Assoc., Stanford Univ., Stanford, Calif.

 McWHORTOR, WILLIAM F. (S'48-A'50-M'55), Chief Engr., Test Equipment Design, Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 McWILLIAM, ERIC A. (A'26-V4'39), Engr., Chg., Drummondville Beam Transmitting Sta., Canadian Overseas Telecommunication Corp., C.O.T.C. Sta., Drummondville, Q., Canadda.

 McWILLIAMS, CHARLES R. (M'57), Project Engr., Gov. & Industrial Div., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- Philadelphia 44, Pa.

 McWILLIAMS, GEORGE R. (S'53-A'54), Elec. Engr.,
 Burroughs Corp., Rte. 202 & Central Ave., Paoli, Pa.

 McWILLIAMS, JAMES D. (S'50-A'51-M'56-SM'5B), Mem.
 Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 McWILLIAMS, JAMES E. (M'59), Engr., Western Electric
 Co., c/o Bell Tel. Labs., Whippany, N.J.

 McWILLIAMS, RONALD R. (M'57), Elec. Engr., Minneapolis-Honeywell Regulator Co., 2753 4 Ave., S.,

 Minneapolis, Minn.
- Minneapolis, Minn.

 MEACHAM, DAVID D. (M'59), Field Engr., Eitel-McCullough Inc., 301 Industrial Way, San Carlos, Calif.

 MEACHAM, LARNED A. (A'39-SM'45-F'48), Station Dev. Engr., Bell Tel. Labs., Muray Hill, N. J.

 MEAD, CHARLES E. (S'48-A'48-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MEAD, DONALD C. (SM'50), Supvr., Quality Control, Sylvania Elec. Prods., Inc., Wobum, Mass.

 MEAD, EDWARD S. (A'57), Engr., Sprague Electric Co., Marshall St., North Adams, Mass.

 MEAD, HOMMER W. (M'53), Chief Engr., K REM-AM-FM-TV, 4103 S. Regal, Spokane, Wash.

 MEAD, MARION C., JR. (A'53), Myr., Central Timing Engro., RCA, Patrick AFB, Fla.

 MEAD, MILTON S., JR. (A'53-SM'46), Engr., Capaci-

- MEAD, MILTON S., JR. (A'23-SM'46), Engr., Capaci-tor Dept., GE Co., Hudson Falls, N.Y. MEAD, OSCAR J., JR. (SM'53), Research Supvr., Radio Systems Branch, Diamond Ordnance Fuze Labs., Washington 25, D.C.
- MEAD, RICHARD (A'54), Elec. Engr., ITT Labs., Nutley 10, N.J.
- MEAD, WILLIAM H. (\$'54-M'58), Applications Engr., RCA, Harrison. N.J.
- Harrison, N.J.

 MEAD, WILLIAM L. (A'47-M'52), Project Engr., RCA;
 Guided Missile Test Center, Patrick AFB, Fla.

 MEADE, KERMIT R. (S'57-M'58), Electronics Engr.,
 Communications Branch, USCG, 1300 E. St., N.W.,
 Washington 25, D.C.
- Washington 25, D.C.

 MEADER, GLENN S., (SM'5B), Col., U.S. Army, Retired. Home: 1609 Via Montemar, Palos Verdes Estates, Calif.

 MEADER, GLENN S., JR. (S'56-A'57), Capt., U.S. Army, Asst. Chief, Computer Systems Div., Arlington Hall Sta., U.S. Army Signal Engra. Agency, Arlington 12, Va.

 MEADER, HOWARD W. (S'43-A'43), Sr. Engr., Lockheed Missile Div., Palo Alto, Calif.

 MEADER, PHILIP W. (M'5B), Planning Asst., Raytheon Mfg. Co., Maynard, Mass.

 MEADER, RAYMOND 8. (M'53), Radio & TV Engr., New England Telephone & Telegraph Co., 185 Franklin St., Boston 7, Mass.

- BOSLON /, Mass.

 MEADER, ROBERT O. (M'53), Research Engr., Reliability, Lockheed Aircraft Corp., Sunnyvale, Calif.

 MEADOR, ALBERT B., JR. (S'4B-A'51-M'56), Principal Engr., Radio Div., Bendix Aviation Corp., Towson 4, Md.

- MEADOR, BERNAL M. (M'44-SM'54), Supvr., Aircraft Engrg., Trans World Airlines, Mid Continent Internati. Airport, Parkville, Mo.
- Airport, Parkville, Mo.
 MEADOR, DONALD X. (S'57-M'58), Electronics Design
 Engr., Chrysler Corp., 80x 857, Huntsville, Ala.
 MEADOR, MYRON E. (S'56-M'58), 3770 Van Ness Lane,
 Dallas 20, Tex.
 MEADOW, SIDNEY (M'47), Sr. Project Engr., Reeves
 Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y.
 MEADOW, WILLIAM L. (M'46), Treas, & Genl. Mgr., Universal Communications, Inc., 8633 Emerald Isle Circle,
 Jacksonville, Fila.
 MEADOWS E. DAM (A'43-SM'52), Commercial Mgr.
- MEADOWS, F. DAN (A'43-SM'52), Commercial Mgr., Broadcast Equipment Div., Sarkes Tarzian, Inc., E. Hillside Dr., Bloomington, Ind.

- Hillside Dr., Bloomington, Ind.

 MEADOWS, HARLEY R. (S'51-A'52-M'57), Sect. Head, ITT Labs., 3700 E. Pontlac, Ft. Wayne, Ind.

 MEADOWS, HENRY E., JR. (S'53-A'54-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 MEADOWS, LEVERETT A. (A'41-M'45-SM'52), Head, Electronics Publication Sect., Navy Dept., Bureau of Ships, Washington 25, D.C.

 MEADOWS, ROBERT A. (S'56-M'59), Assoc. Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.

 MEADOS, PHILIP H. (S'57-M'59), Prod. Engr., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas 21, Tex.

 MEADS SFTH V. (M'64), Electronic Company Company (M'64), Electronic Spring (M'64), E
- MEADS, PHILIP H. (S'5) ("M'59), Prod. Engr., Texas Instruments, Inc., 1350/N. Central Expressway, Dallas 21, Tex.

 MEADS, SETH K. (M'56), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 MEAGHER, ARCH W. (S'47-A'48), Elec. Engr., Tennessee Valley Authority, Chattanooga, Tenn.

 MEAGHER, ARCH W. (S'47-A'48), Elec. Engr., Amperex Electronics Corp., 7440 (M'56), Sales Engr., Amperex Electronics Corp., 7440 (M'86), Sales Engr., Amperex Electronics Corp., 7440 (M'86), Sales Engr., Amperex Electronics Corp., 7440 (M'87), Head, Digital Computer Lab., Univ. of Illinois, Urbana, III.

 MEAHL, HARRY R. (A'28-M'45-SM'46), High Frequency Measurements Engr., GE Co., Schenectady 5, N. Y.

 MEAKIN, ALAN D. (M'55), Higher Tech. Officer, Meteorological Deat., Strachan St., Laogs, Nigeria.

 MEALEY, CHARLES W., JR. (S'55-M'57), Research Engr., Instrumentation, Natl. Aeronautics & Space Administration, 21000 Grookpark Rd., Cleveland 35, Ohio.

 MEALEY, GEORGE J. (S'53-A'55), Sr. Electronics Engr., Convair-Astronautics, San Diego, Calif.

 MEALEY, KEITH L. (A'48-M'55), Dir., Engrg., KFRE Radio & Television, 733 'L' St., Fresno, Calif.

 MEALEY, RANDALL M. (A'54), Sr. Electronics Engr., Marlin Co., Baltimore, Md.

 MEALY, GEORGE H. (A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 MEANEY, MARTIN H., JR. (A'48-M'55), Instrumentation Specialist, Rocketdyre Div., Propulsion Field Lab., No. Amer. Aviation, Canoga Park, Calif.

 MEANS, WINTHROP J. (SM'53), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

- MEANS, WINTHROP J. (SM*53), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J. MEANY, JAMES E. (SM*58), 146-B Kenville Rd., Buffalo 15, N.Y.

- 15, N.Y.

 MEARA, VINCENT T. (M'54), Group Engr., Alrhome Electronics, The Martin Co., Orlando, Fla.

 MEARES, CLAUDE W. (A'48); Engr., Natl. Security Administration, Washington 25, D.C.

 MEARLS, WALTER J. (M'58), Asst. Prof., Elec. Engrg., Univ. of Arizona, Tucson, Ariz.

 MEARNS, ALLISON B. (S'50-A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 MEARS, DONALD F. (S'55-M'56), 605 Ridgeway Dr., Burlington, N.C.

 MEARS, DORBERT J. (S'53-M'55), Electronics Specialist, Flight Control, Boeling Alrolane Co., Seattle, Wash.

 MECH, HENRY D. (A'53), Supvr., Div. Engr., Model Shop, Sylvania Elec. Prods., Inc., Home Electronics Div., 700 Ellicott, Batavia, N.Y.

 MECHAS, MICHAEL G. (A'51), Prod. Engr., Sylvania Elec-Mechas, MICHAEL G. (A'51), Prod. Engr., MICHAEL G. (A'51), Prod. Engr., Sylvania Elec-Mechas, MICHAEL G. (A'51), Prod. Engr., Sylvania Elec-Mechas, MICHAEL G. (A'51), Prod. Engr., Sylvania Elec-Mechas, MICHAEL G. (A'51), Prod. Engr., MICHAEL G. (A'51), Prod. Engr., Sylvania Elec-Mechas, MICHAEL
- MECHAS, MICHAEL G. (A'51), Prod. Engr., Sylvania Elec-tric (Canada), Ltd., 1 Sylvan Rd., Drummondville, P.Q., Canada.
- MECHLER, EUGENE A. (M'47-SM'53), Systems Engr., RCA, Moorestown, N.J.
- RCA, Moorestown, N.J.

 MECHLIN, ROBERT N. (M'55), Assoc. Dept. Head, Mitre
 Corp., 20B Wood St., Lexington 73, Mass.

 MECHLING, E.P. (SM'56), Maj. Genl., USAF, Retired.
 Staff Dir., Tech. Operations, American Ordnance Assn.,

 Mills Bldg., Washington, D.C.
- MECKE, ROBERT M. (M*57), Lab. Engr., Boeing Air-plane Co., Wichita, Kan. MECKFESSEL, EDWARD F. (S*53-A*55), Sr. Electronics Engr., Convalr, San Diego, Calif. MEDAK, MARTIN M. (S*55-M*57), Electronics Engr., Aeronutronic Systems, Inc., 2701 Halliday St., Santa Ana, Calif.
- Calif.

 MEDAL, RICHARD J. (M'52), Chief Div. Engr., RaulandBorg Corp., 3535 W. Addison St., Chicago, III.

 MEDARIS, JOHN B. (SM'59), Commanding Gent., U.S.
 Army Ordnance Missile Command, Redstone Arsenal, Ala.

 MEDD, JOHN S. (A'47-SM'48), Property Coordinator,
 Brookhaven Natl. Lab., Upton, L.I., N.Y.

 MEDD, WILFORD J. (M'54), Asst. Research Officer, Natl.
 Research Council of Canada, Ottawa, Ont., Canada.

 MEDDERDS, WALLAGE P. (A'59), Prog. Douglas Aircraft

- Research Council of Canada, Ottawa, Omt., Canada. MEDEIROS, WALLAGE P. (A'59), Engr., Douglas Aircraft Co., Santa Monica, Calif. MEDEK, JAMES D. (S'55-M'56), Planning Engr., Public Service Div., Commonwealth Edison, 1000 Skokie 8lvd., Northbrook, III.

- Northbrook, III.

 MEDER, ROMALD (S'51-A'53-M'57), Application Engr.,
 Electric Controller & Mfg. Corp., Cleveland, Ohio.

 MEDERER, STANIS J. (M'55), Sr. Project Engr., AC Spark
 Plug Div., GMC, 431 W. Florida, Milwaukee 15, Wis.

 MEDEROS, THOMAS S., JR. (M'5B), Owner, Medco, Box
 216, Melbourne, Fla.
- 216, Melbourne, Fla.
 MEDICI, NICHOLAS (S'51-A'53-M'58), Design & Dev.
 Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 MEDILL, JOHN W. (A'43-M'47), Process Engr., ElectroMotive Div., GMC., 9301 W. 55 St., LaGrange, III.
 MEDINA, GILBERT R. (A'58), 3215 Mogales St., San
 Antonio 7, Tex.

- MEDINA, LAWRENCE G. (S'57-M'58), Test Equipment Engr., Hughes Aircraft Co., 2060 E. Imperial Hwy., El Segundo, Calif.

 MEDKEFF, RUSSELL J. (S'48-A'51-M'56), Corp. Engr., Burges-Manning Co., Libertyville, Ill.

 MEDLA, EDWARD (S'51-A'52-M'57), Project Mgr., IBM, Poughkeepsie, N.Y.

 MEDLEY, ROBERT C. (A'57), Owner & Operator, Medley Electronics, 104B Earl St., Norfolk 3, Va.

 MEDLIN, JAMES E. (A'54), Electronic Engr., Sylvania Elec. Prods., Inc., Electronic Defense Lab., Box 205, Mountain View, Calif.

 MEDLIN, REGINALD O., JR. (S'53-A'54), Engr., West-inshouse Elec. Corp., Box 746, Baltimore 3, Md.

 MEDNICK, RALPH (S'56-M'58), Electronics Engr., Instrumentation Lab., MIT, Cambridge 39, Mass.

 MEDNIEKS, ZIGURDS (S'56-M'58), TV Engr., Zenith Radio Corp., 6001 W. Dickens, Chicago, Ill.

 MEDOFF, HERMAN (M'59), Asst. Prof., Elec. Engrg., Fairleigh Dickinson Univ., Teaneck, N.J.

 MEDOFF, MERMAN (M'59), Asst. Prof., Elec. Engrg., Fairleigh Dickinson Univ., Teaneck, N.J.

 MEDOFF, MERMAN (M'59), Project Engr., Computer Control Co., Inc., 92 Broad St., Babson Park 57, Mass.

 MEDOW, ABRAHAM (S'51-A'55-M'5B), Engr., Hughes Aircraft, Culver City, Calif.

 MEDOW, ARRAHAM (S'51-A'54-M'59), Engro. Leader, RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.

 MEDOWD, KARL R. (S'40-A'41-M'46), Head, Instrumentation Branch, Space Sciences Div., Natl. Aero & Space Agency, 4555 Overlook Ave., Washington 25, D.C.

 MEDVED, DAVID B. (SM'56), Sr. Research Engr., Convair, Box 1950, San Diego 6, Calif.

 MEDWIN, ALBERT H. (M'59), 35 Crescent Dr., Whippany, N.J.

 MEE, CHARLES D. (SM'58), Sect. Head, Magnetics, C8S

- M.J.
 MEE, CHARLES D. (SM'5B), Sect. Head, Magnetics, C8S Labs., 485 Madison Ave., New York 22, N.Y.
 MEEHAN, DONALD J. (A'5B), Computer Technician, Avco Research Lab., Lawrence, Mass.
 MEEHAN, EDWARD L. (A'41), Service Mgr., Zenith Radio Distributing Corp., 912 W. Washington 8lvd., Chicago 7, III.

- MEEHAN, FRANK J. (A'56), Elec. Engr., Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 37, Pa. MEEHAN, JAMES A. (S'48-A'50), Prod. Design Engr., HMED, Ge Co., Syracuse, N.Y. MEEHAN, JOHN D. (A'46-M'55), Electronics Engr., New York Central Railroad, 466 Lexington Ave., New York 17, N.Y.
- MEEHAN, JOHN P. (SM'57), Transmission Engr., AT&T Co., 138 E. Court St., Cincinnati 2, Ohio. MEEHAN, ROBERT F. (4'59), Mgr, Dev., Monsanto Chem-ical Co., Lindbergh Blvd. & Olive St., St. Louis 24. Mo.
- MEEK, JACK H. (M'56), Physicist, Defence Research Board, Ottawa 1, Ont., Canada.

- MEEK, JAUR H. (M'56), Physicist, Deletice Research Board, Ottawa 1, Ont., Canada.

 MEEK, ROBERT E. (S'49-A'51-M'57), Research Engr., Experiment Sta., Georgia Institute of Technology, Atlanta, Ga.

 MEEK, THEOPILE J., JR. (S'40-A'45-SM'55), Telephone Transmission Consultant, Empresa Nacional de Telecommunicaciones, Carrera 8, N. 20-00 Bogota, Colombia.

 MEEKER, JAMES I. (M'56), Engr., USAF, Air Proving Cround Center, Equin AFB, Fla.

 MEEKER, JOHN G. (S'46-A'53-M'58), Research Assoc., Univ. of Michigan Research Institute, Ann Arbor, Mich.

 MEEKER, WILLARD F. (M'45), Engr., RCA. Camden. N. J.

 MEEKEN, MELVIN C. (M'58), 824 Chandler St., Tewksbury, Mass.

- MEEKINS, MELVIN C. (M'58), 824 Chandler St., Tewksbury, Mass.

 MEBNAHAN, WILLIAM J. (S'57-M'58), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 MEERDINK, KENNET H. J. (M'58), Research Engr., Boeing Airplane Co., Seattle, Wash.

 MEERSCHART, CHARLES M. (S'53-A'54-M'57), Instrumentation Engr., G.B. Miller Co., 1550 N. Highland Ave., Hollywood 28, Calif.

 MEERSMAN, ROBERT J. (M'54), Sr. Engr., Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles, Calif.

 MEESE, HAROLD F. (S'53-A'55), Physicist, Comell Aeronautical Lab., Inc., Buffalo 21, N.Y.

 MEFFORD, CREAD W. (S'54-M'55), Range Instrumentation Engr., Vitro Corp. of America, Eglin AFB, Fla.

 MEGARSCL, LELAND R. (S'51-A'51-M'57), Engr., Bendix Aviation Corp., York, Pa.

 MEGGERS, WILLIAM F., J.R. (M'53), Head, Talos Missile Countermeasures Branch, Countermeasures Div., U.S. Naval Ordnance Lab., Corona, Calif.

 MEGNA, JOSEPH J. (S'56-M'58), 226 Sharp Dr., Ft. Bragg, N.C.

 MEGUNT, TAKAHASHI (A'57), Lt. ig., Avionix Officer.
- MEGUMI, TAKAHASHI (A'57), Lt. jg., Avionix Officer, Hachinohe Air Overhaul Facility, J-MSDF, Takadate, Hachi-nohe, Aomori, Japan
- none, Aomori, Japan,
 MEHAFFEY, WILLIAM R. (SM'50), Chief Engr., Lamination
 Div., Webcor, Inc., 3912 W. McLean, Chicaeo, III.
 MEHAN, ANDREW J. (M'58), Sales Engr., Clifton Precision
 Prods, Co., 9014 W. Chester Pike, Upper Darby, Pa.
 MEHLMAN, SAMUEL J. (A'47-M'47-SM'53), Leader, RCA,
 Surface Communications Systems Lab., 75 Varick St., New
 York 13, N.Y

- York 13, N.Y

 MEHNER, EUGENE W. (S'55-A'56), 4532 Newton St.,
 Torrance, Calif.

 MEHNER, EVERETT C. (A'57), Elec. Engr., Cubic Corp.,
 5575 Keamy Villa Rd., San Diego, 2, Calif.

 MEHR, ARTHUR (A'45), Owner, Arthur Mehr Industrial Designs,
 35 Restful Lane, Levittown, L.I., N.Y.

 MEHR, ERREST J. (M'57), Engr., GE Co., 319B Chestnut St.,
 Philadelphia, Pa.
- Philadelphia, Pa.

 MEHR, MORTON H. (A'51-M'56), Engr., Perkin-Elmer

 Corp., Main Ave., Norwalk, Conn.

 MEHRBACH, ELLIOTT (M'44), Chief Engr., U.S. Science

 Corp. Div., Topp Industries, 5221 W. 102 St., Los

 Angeles 45, Calif.
- Angeles 45, Calif.

 MEHRING, ARTHUR C. (A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 MEHRLING, HOWARD W. (S'35-A'38-M'51), Chief, Electronics Engr. & Maintenance, Eastern Airlines, Inc., Box 787, Intematl. Airport, Miami, Fla.

 MEHRON, MARTIN E. (S'49-A'50), Electronics Scientist, USAF, Wright-Patterson AFB, Ohio.

 MEHTA, BOMI 8. (M'58), Instr., Technical School, Ministry of Education, Box 3035, Addis Ababa, Ethiopia.

 MEHTA, SHIRISH H. (S'56-A'5B), Dev. Engr., Genl. Instruments Corp., 65 Governeur St., Newark 4, N.J.

MEI-MEN

- MEICHLE, FREDERICK A. (S'52-A'55), Electronics Engr., Phillips Petroleum Co., Idaho Falls, Idaho. MEICHLER, FREDERICK T. (M'48), Project Engr., Target Rock Corp., 1D8 Madison Ave., Hempstead, L.I., N.Y. MEIDELL, P.R.I. (A'58), Assoc. Engr., IBM, 99 Notre Dame, San Jose, Calif.
- MEIDENBAUER, KENNETH G. (S'57-M'58), Asst. Dept. Head, Electronics, Taber Instrument Corp., 1D7 Goundry St., North Tonawanda, N.V.

- Tonawaida, N.Y.

 MEIER, DONAL A. (5'50-A'51-M'56), Project Engr., Natl. Cash Register, 1401 E. El Segundo, Hawthorne, Calif.

 MEIER, DONALD J. (A'47-M'48), Communications Electronics Engr., 19 Spruce Ave , Bordentown, N. J.

 MEIER, DONALD J. (A'47-M'48), Communications Electronics Engr., 19 Spruce Ave , Bordentown, N. J.

 MEIER, DOWIN H. (SM'56), ASST. Dir., Guided Missile Labs., Hughes Aircraft Co., Culver City, Calif.

 MEIER, PAUL J. (S'454), Elec Engr., Collins Radio Co., Cedar Rapids, Iowa.

 MEIER, PAUL J. (S'55-M'59), Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck L. I., N.Y.

 MEIER, ROGER D. (S'56-M'58), Dev. Engr., Square D. Co., 4041 N. Richards, Milwaukee, Wis.

 MEIER, W. MERLIN (A'45-M'55), Fellow Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 27, Md.

 MEIER, WILBER L. (A'33-VA'39-M'55). Page. Mici.
- Md.

 MEIER, WILBER L. (A'33-VA'39-M'55), Pres., Natil-Radiac, inc., 475 Washington St., Newark Z, N.J.

 MEIERBACHTOL, CALVIN J. (S'57-M'59), Assoc. Engr., Convair, San Diego, Calif.

 MEICS, DAVID H. (S'57-M'59), 963 Deming Rd., RFD, Rocky Hill, Conn.

 MEICS, VINCENT C. (A'47), Coordinator, Govt.-Industry Committees, Autonetics Div., No. Amer. Aviation, Downey, Calif.

- MEIJER, ROBERT R. (SM'53), Mktg. Mgr., Semiconductor Prods., Bendix Aviation Corp., 201 Westwood Ave., Long Branch, N.J.
- Branch, N.J.

 MEILLANDER, WILLARD C. (A'42-M'55), Control Systems Engr., Goodyear Aircraft Corp., Akron 15, Dhio.

 MEILER, GERALD L. (S'57-M'59), Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 25, N.Y.

 MEILLI, EUGENE J., (A'54), Engr., Ridge Tool Co., 400 Clark St., Elyria, Ohlo.

 MEINCK, MILTON M. (S'58-M'59), 6803 54 Ave., Maspeth 78, L.I., N.Y.

- MEINEMA, HAROLD (A'46), Mech. Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif. MEINERS, DONALD E. (S'55-M'57), Elec. Engr., Antenna Design, Chance Vought Alroraft, Inc., Box 5907, Dallas Design, C 22, Tex.
- 22, Tex.

 MEINERS, WILLIAM H. (A'45-M'55), Electronics Equipment Fabricator, Kelly AFB, San Antonio, Tex.

 MEINHEIT, CARL E. (A'46-M'50), Sect. Head, Instrumentation, Microwave Tube, Sylvania Elec. Prods., Inc., 500 Evelyn Ave. Mountain View, Calif.

 MEINHOLDT, DELWIN W. (A'53), Purch. Agent, Wilkinson Brothers Co., 2406 Ross Ave., Dallas 1, Tex.

 MEINHOLDT, HARRY J. (A'53), Mem. Tech. Staff, Bell Tel. Labs., Whipanyn, N.J.

 MEINKEN, KENNETH C. (A'56), Pres., Electronic Tube Corp., 1200 E. Mermaid Lane, Philadelphia 18, Pa.

 MEINSTEIN, ALLEN (S'56-M'59), 5835 Norway Rd., Dallas 30, Tex.

 MEIRIS, JOSEPH T. (S'57-M'59), 3430 Bowman St.

- Dallas 30, Tex.

 MeIRIS, JOSEPH T. (S'57-M'59), 3430 Bowman St., Philadelphia 29, Pa.

 MEIRROWITZ, RICHARD L. (S'52-M'56), Engr., Sperry Gyoscope Co., Garden City, L.I., N., Y

 MEISE, HENRY A., JR. (S'57-M'58), 40 Prospect Hill Ave., Summit, N.J.

 MEISEL, HERBERT R. (M'58), Design & Dev. Engr., RCA, Semiconductor & Materials Div., Rte., 202, Somerville, N.J.

 MEISELS, GEORGE (SM'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MEISENHEIMER, RAYMOND L. (SM'53), Design Engr., RCA, Camiden, N.J.

 MEISINGER, H. PETER (A'46-M'49-SM'51), Pres.
- MEISINGER, H. PETER (A'46-M'49-SM'51), Pres., Versiron, Inc., 6310 Chillum PI., N.W., Washington 11, D.C.
- MEISLING, TORBEN H. (A'50-SM'54), Asst. Mgr., Genl. Systems Dept., Stanford Research Institute, Menlo Park, Calif.

- Gelt. System Delt., Sanioto Research Institute, Meino Park, Calif.

 MEISSINGER, HANS F. (M'55-SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MEISSNER, EARL R. (A'26-M'44-SM'55), Pres., United Radio Supply, Inc., 22 N.W. 9 Ave., Portland 9, Ore.

 MEISSNER, KURT H. (SM'51), Sr. Group Engr., Radioplane Co., 8000 Woodley Ave., Van Nuys, Calif.

 MEISSNER, PAUL (S'50-A'51-M'56), Electronics Engr., Natl. Bureau of Standards, Washington 25, D.C.

 MEISTER, MELVIN (A'57), Electronics Engr., Massachusetts Gent. Hosnital, Boston, Mass.

 MEISTER, PAUL T. (S'56-M'58), Engrg. Writer, Volt Technical Corp., 241 Church St., New York 13, N.Y.

 MEITZLER, ALLEN H. (M'56), Mem. Tech. Staff, Bell Tel., Labs., Whippany, N. J.

 MEITZNER, AUGUST C. (A'56), Electronics Technician,
- MEITZNER, AUGUST C. (A'56), Electronics Technician, Monroe Calculating Machine Co., Inc., Mitchell St., Orange, N.J.

- Orange, N.J.

 MEIXELL, OLIVER S. (M'43-SM'43), Sr. Project Engr.,

 ITT Labs., Nutley 10, N.J.

 MEIXNER, EDWIN J. (S'50-A'51-M'56), Sect. Engr.,

 The Seeburg Corp., 1500 N. Dayton, Chicago 22, III.

 MEIXNER, RAY P. (S'51-A'53-M'57), Assoc. Engr.,

 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MEIXNER, VALENTINE G. (A'58), Engr., G. 8, Electronics,

 Hook Creek Blvd., Valley Stream, L.I., N.Y.

 MEKOTA, JOHN E., JR. (M'58), Tech., Asst., DATAmatic

 Div., Minneapolis-Honeywell Requiator Co., 151 Needham

 St., Newton Highlands 61, Mass.

 MEKSRAITS. JOSEPH. (A'53), Engr., WELA-TV (The
- MEKSRAITIS, JOSEPH J. (A'53), Engr., WFLA-TV (The Tribune Stations), 905 Jackson St., Tampa, Fla. MELANCON, LEO (A'53-M'59), Electronics Engr., Raytheon Mfg. Co., Wayland, Mass.
- Geon Mrg. Co., wayland, Mass. MELANCON, NOLL J. (A'45), Field Service Engr., The Teleregister Corp., 6644 Maple Ave., Dallas, Tex. MELANSON, FRANCIS J. (S'55-M'758), Test Engr., GPS Instrument Co., Inc., 180 Needham St., Newton 64, Mass. MELARA, JOSEPH D. (A'52-M'59), Engr., Northrop Aircraft, Hawthome, Calif.
- MELAS, C. MICHAEL (M'56), Assoc. Research Engr., IBM, San Jose, Calif.

- MELBY, KNUT (M'58), Engr., A/s NERA, Pilestredet 75c, Oslo, Norway. MELCHER, ROBERT J. (A'53), Chief Engr., H. H. Buggie, Inc., Box 817, Toledo 1, Ohio. MELCHIOR, ANNELIESE D. (S'51-A'54), 19175 Eureka, Detroit 34, Mich.

- 294 -

- MELCHDR, JACK L. (SM'56), Pres., Microwave Engrg. Labs., Inc., 943 Industrial Ave., Palo Alto, Calif. MELDRUM, MURRAY A. (M'56), Inertial Guidance Engr., Bell Aircraft, Buffalo 5, N.Y.
- MELDRUM, MURRAY A. (M'56), Inertial Guidance Engr., Bell Aircraft, Buffalo S. N. Y.

 MELEHY, MAHMOUD A. (S'49-A'53-SM'58), Asst. Prof., Eler., Engro, Deot., Univ., of Connecticut, Storrs, Conn.

 MELESHKO, OREST M. (S'58-A'59), Carrier Technician, Alberta Govi. Telephones, Calgary, Alta., Canada.

 MELGAARD, JOHN L. (SM'56), Rear Adm., USN, Retired, Engr., Specialist, Research, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 MELGAR, MIGUEL (S'57-M'58), Electronics Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 MELHOSE, ALFRED E. (M'49), Mem. Tech. Staff, Bell Tel. Labs., Whipoany, N.J.

 MELICK, LOYD M. (M'58), Sect. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 MELICK, PHILLIPJ. (S'57-M'59), Research Engr..

- Sandia Base, Albuquerque, N. M.

 MELINE, PHILLIP J. (S'57-M'59), Research Engr.,
 Autonetics Div., No. Amer. Aviation, Downery, Calif.

 MELIUS, FRED G. (A'54-M'55), Chief Electronics Engr.,
 Setchell Carlson, Inc., New Brighton, Minn.

 MELKONIAN, HAGOP A. (M'57), Research Engr., Boeing
 Airplane Co., Renton, Wash.

 MELLARO, DENNIS (A'54), Sta. Engr., Transmitting, RCA
 Communications, Inc., Boite Postal 2057, Tangier, Morocco.

 MELLARD, JACQUES (A'44), Foreman, Western Electric
 Co., 397 Hudson St., New York, N. Y.

 MELLAS, ANTHONY (S'55-M'56), Elec. Engr., Ground
- MELLAS, ANTHONY (S'55-M'56), Elec. Engr., Ground Systems Group, Radar Lab., Hughes Aircraft Co., Fullerton, Calif.
- MELLEN, EARL R. (SM'53), Chmn., Weston Instru-ments Div., Daystrom, Inc., 614 Frelinghuysen Ave., Newark 12, N.J.
- Newark 12, N.J.

 MELLEN, GLENN L. (SM'56), Assoc. Head, Communications, Mitre Corp., Box 208, Lexington 73, Mass.

 MELLER, IAN V. (M'58), Service Mgr., Tim-Com Engrg.,
 Ltd., Timmins Aviation Business Centre, Doval Airport,
 Montreal 33, P.O., Canada.

 MELLIGER, ALFRED W. (M'49), Elec. Engr., Mackay
 Radio & Telegraph Co., 8ox 6, Brentwood, L.I., N.Y.

 MELLING, W. PHILIP (SM'57), Research Engr., Cornell
 Aeronautical Lab., Inc., Genesee St., Buffalo 21, N.Y.

 MELLING, LAMES C. ("56-a-157), Engr., Technician
- MELLIS, JAMES G. (S'56-A'57), Engrg. Technician, Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul W4, Minn. MELLIS, JOHN G. (S'56-A'57), 2512 Pennsylvania Ave., Weirton, W. Va.

- Weirton, W. Va.

 MELLOH, ARTHUR W. (A'33-SM'45), Prof., Elec. Engrg.,
 Univ. of New Mexico, Albuquerque, N. M.,

 MELLOH, CLIFFORD I. (A'58), Transmitter Supvr., Central Broadcasting Co., 1100 Walmut, Des Moines, Iowa.

 MELLON, GEORGE E. (A'54), Mgr., Twin City Shops, Mobile Radio Engrg., Inc., 620 N. 6 St., Minneapolls, Minn

 MELLON, RALPH E. P. (J'28-A'39-VA'39), V. P.-in-Chg.,
 Engrg., Pottstown Broadcasting Co., 247 High St., Pottstown, Pa.

- town, Pa.

 MELLOR, JAMES R. (A'54), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

 MELLOR, WILLIAM N. (A'36-VA'39), Supt., Ground
 Radio Equipment, American Airlines, Inc., La Guardia
 Airport, Flushing 71, L.1., N.Y.

 MELLOTT, ROBERT N. (S'51-A'51-M'56), Mem. Tech.
 Staff, Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd.,
 Los Angeles, Calif.

 MELMAN ISRAEL I. (A'45-SNI/50), Chief Engr., ElecMELMAN ISRAEL I. (A'45-SNI/50), Chief Engr., Elec-
- MELMAN, ISRAEL J. (A'45-SM'50), Chief Engr., Electronics, Fairchild Camera & Instrument Corp., 5 Aerial Way, Syosset, L. I., N. Y.
- MELMAN, MYRON (M'58), Engr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.
 MELMED, ARTHUR (A'56), Sr. Engr., A. E. C. Computing Facility, New York Univ., 25 Waverly Pl., New York 3. N. Y.
- MELNGAILIS, IVARS (M'59), 7723 Edgerton Ave., Pitts-burgh 21, Pa.
- Durgh 21, Pa.

 MELNICK, HERBERT (M'54), Electronics Instr., Island
 Trees High School, Island Trees, Levittown, L.I., N. Y.

 MELNICK, ROBERT A. (S'54-M'55), Logical Design Engr.,

 Natl. Cash Register Co., Electronics Div., 1401 E. El

 Segundo Blvd., Hawthorne, Calif.
- Segundo Blvd., Hawthorne, Calif.

 MELNICK, ROBERT J. (S'54-M'56), Electronics Engr.,
 Stavid Engrs., Inc., Re. 22, Plainfield, N. J.

 MELNIK, RONALD P. (S'57-M'59), Exec., Officer, U. S.

 Army, Hgrs. & Hgrs. Co., 2nd Logistical Command, Ft., Polk,
 La.

- MELON, KUNALD P. (3-97-m-37), Cast. Shiret, J. S. Army, Hors. & Hors. Co. 2nd Logistical Command, Ft. Polk, La.

 MELOY, THOMAS (A'47-SM'52), Pres., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 MELTON, BEN S. (SM'47), Supvo. Geophysicist, Hors., USAF, Diffice for Atomic Energy (DCS/O), Attention: AFOAT -1, Washington 25, D. C.

 MELTON, BILLY R. (S'55-M'57), Assoc. Engr., Boeing Airplane Co., Melbourne, Fla.

 MELTON, DONALD P. (A'48-M'52), Lab. Supt., Robert H. Ray Co., 2535 Dunstan Rd., Houston 5, Tex.

 MELTON, GENE H. (A'44-M'55), Electronics Engr., Natl. Aeronautics & Space Agency, 4550 Overlook Dr., S. E., Washington, D. C.

 MELTON, JAMES F. (S'53-A'54), Sr. Project Engr., Alto Scientific Co., 855 Commercial St., Palo Alto, Calif.

 MELTON, NOBERT E. (M'56), Capt., USAF, Ground Electronics Officer, 462nd Support Group, (ADC) 119 Ross Ave., Ottawa, Ont., Canada.

 MELTVEDT, HENRY (M'44), District Sales Engr., Acme Electric Corp., 52 Water St., Cuba, N. Y.

 MELTZER, ARNOLD C. (S'57-M'59), Genl. Engr., Federal Power Commission, Washington, D. C.

 MELTZER, GURION (S'57-M'59), Jr. Test Engr., Bendix Avlation Corp., Kansas City, Mo.

 MELTZER, GURION (S'57-M'59), Engr., Semiconductors & Materials Div., RCA, Rte. 202, Somerville, N. J.

 MELVILLE, JOSEPH R. (S'53-A'53), Customer Engr., IBM, Washington, D. C.

- MELVILLE, JOSEPH R. (A'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

- MELVILLE, RICHARD W. (M'53), Group Head, GenI. Systems Lab., Stanford Research Institute, MenIo Park, Calif. MELVIN, DONALD K. (S'54-A'54), Mem. Tech. Staff, GenI. Telephone Labs., Box 17, Morthlake, III. MELVIN, DONALD W. (S'57-M'5B), Instr., Elec. Engrg. Dept., Univ. of New Hampshire, Durham, N. H. MELVIN, EUGENE A. (A'50-M'55), Tech. Dir., Frederick Research Corp., 4630 Montgomery Ave., Dethesda, Md. MELVIN, ROBERT M. (A'53), Sales Engr., L. A. Flott & Co., 1061 Howard St., San Francisco 3, Calif. MELZER, HERMAN (A'45-VA) 439-M'57). Div. Mor
- MELZER, HERMAN (A'36-VA'39-M'57), Div. Mgr., Equipment Dev., Radio Tube Div., Sylvania Elec. Prods., Inc., Emporlum, Pa. MEMBERY, ARTHUR H. (A'46), Sales Rep., F. G. S. Electronic Supply Co., 1142 S. Gratiot, Mt. Clemmens, Mich.
- MEMBURY, PHILIP J. (S'51-À'52-M'57), Special Engrg. Rep., Royal Precision Corp., Westchester Ave., Portchester, N.Y.
- ter, N. Y.

 MEMISHIAN, JOHN (A'50-M'54), Project Mgr., HyconPage, 238 Main St., Cambridge 42, Mass.

 MENAGH, FRANCIS H. (M'53-SM'53), Telecommunications Advisor to Korean Natl. Raliroads, Internatl. Cooper
 tion Administration, UNC/OEC (RE-TD), APO 301, San

- Francisco, Calif.

 MENAKER, DAVID S. (S'56-M'58), Asst. Engr., Sperry
 Gyroscope, Great Neck, L. I., N. Y.

 MENARD, EDWARD A. (S'56-M'57), Tech. Engr., 18M,
 Kingston, N. Y.
- MENARD, JAMES Z. (M'56), Supvr., Bell Tel Labs.,

- MENAKU, JAMES Z. (M'56), Supvr., Bell Tel Labs., Whippany, N. J.

 MENARD, MAURICE E., JR. (S'58-M'59), Engr., Genl.
 Dynamics Corp., Groton, Conn.

 MENASCO, LAWRENCE C. (S'52-A'54), Electronics Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 MENDEL, FRANK S. (S'47-A'49-M'55), Assoc. Engr., Boeing Airplane Co., Box 707, Renton, Wash.

 MENDEL, JOHN T. (S'49-A'51-M'56), Dept. Head,
 Microwave Tubes, Hughes Aircraft Co., Culver City,
 Calif.

 MENDEL SAN ECONOMICS
- MENDEZ, IGNACID O. (S'49-A'5D), Sr. Dev, Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Olio. MENDENHALL, HALLAM E. (A'31-SM'45), Mem. Staff, Bell Tel. Labs., Murray Hill. N. J. MENDENHALL, HALLAM E. (A'31-SM'45), Mem. Staff, MENDENHALL, WALTER S., J.R. (A'49), Buyer, Major Appliances, F. R. Lazarus & Co., Columbus 14, Ohio. MENDEZ, EUGENIO D. (M'48), Dir. General de Telecomunicaciones, Secretaria de Communicaciones y Obras Publicas, Av. Universidad y Xola, Mexico 12, D. F., Mexico. MENDEZ, IGNACID O. (S'55-M'56), Elec. Engr., NACA Ames Aeronautical Lab., Moffett Field, Calif. MENDOZA, ALFRED A. (S'56-M'57), Design Engr., Lockheed Aircraft Corp., 3251 Hanover St., Palo Alto, Calif. MENDOZA, ONALD C. (S'48-A'49-M'55), Sr., Field Engr., Western Union Telegraph Co., 225 S. W. Broadway, Portland S, Ore.

- POTITION D., UPC.

 MENDUS, WALTER M. (A'54), Chief Test Supvr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 MENCAR, WALTER R. (M'57), Supvg. Field Engr., Bell Tel. Co., 421 Broad St., Sewickley, Pa.

 NENEAU, ALBERTO (A'57), Electronics Technician, Radio Engr., Labs., Inc., 29-01 Borden Ave., Long Island Clty, N. Y.
- N.Y.

 MENEES, WINFRED (A'54), Power Maint., Southwestern
 Bell Tel. Co., Little Rock, Ark.

 MENELAIDES, KENNETH L. (M'59), Elec. Engr., Perfor
 ing Guns Atlas Corp., Box 14524, Houston 21, Tex.

 MENELEY, CARL A. (S'41-A'43-M'47-SM'53), Dept.
 Mgr., Goodyear Aircraft Corp., Akron 15, Ohio.

 MENES, HERMAN C. (A'44-M'55), Engrg. Group Leader
 Bludworth Marine Div., Kearfott Engrg. Co., 1500 Main
 St., Clifton, N. J.

- St., Clifton, N. J.

 MENES, MEIR (S'46-A'49-M'55), Research Engr., Westinghouse Research Labs., East Pittsburgh, Pa.

 MENETREY, WALTER R. (S'55-M'56), Staff Engr., Electro-Optical Systems, Inc., 170 N. Daisy, Pasadena, Calif MENG, DONALD R. (M'53), Contract Rep., Defense Electronic Prods., RCA, Camden, N. J.

 MENGANI, CARL M. (A'52), Project Engr., Control Instrument Co., 67 35 St., Brooklyn 32, N. Y.

 MENGEL, JOHN T. (SM'53), Head, Tracking & Guidance Branch, Naval Research Lab., Washington 25, D.C.

 MENGER, WILLIAM M. (S'49-A'51-M'55), Asst. Research
- MENGER, WILLIAM M. (S'49-A'51-M'55), Asst. Research Engr., Houston Lighting & Power Co., 1016 Walker, Houston Engr.,
- 1, Tex.

 MENGES, WILLIAM R. (M'58), Assoc. Dev. Engr., Burroughs
 Corp., Paoli, Pa.

 MENGLE, LEWIS I. (A'53-M'58), Equipment Engr., RCA
 Tube Div., New Holland Pike, Lancaster, Pa
 MENHENNETT, GERALD H. (M'52), Project Engr., ITT
 Labs., Nutley 10, N. J.

 MENKE, WARREN W. (M'54), Sect. Head, Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.

 MENKES, EL CHANAM, D. (S'55-A'57), Engr., RCA, Camden,
 MENKES, EL CHANAM, D. (S'55-A'57), Engr., RCA, CAMDEN, D. (S'55-A
- Co., Great Neck, L.I., N.Y.

 MENNES, ELCHANAN D. (S'55-A'57), Engr., RCA, Camden 2, N.J.

- 2. N. J.

 MENNE, ROBERT S. (S'50-A'53-M'59), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N. Y.

 MENNEKEN, CARL E. (A'45-M'55), Prof., U.S. Naval Postgraduate School, Monterey, Calif.

 MENNEN, HERBERT (A'53-M'58), V.P., Sierra Research Corp., Box 22, Buffalo 25, N.Y.

 MENNIE, JOHN H. (M'46), Chief Engr. & V.P., Boonton Electronics Corp., 738 Speedwell Ave., Morris Plains, N. J.

 MENOLD, GEORGE A. (S'57-M'58), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 MENSCH, JOSEPH R. (M'57), 1st Lt., USAF, Project Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 MENTCHER, IRVING (S'56-M'57), 348 Reach 12 St. Exp.

- Engr., Rome Air Development Center, Griffiss AFB, N.Y.
 MENTCHER, IRIVING (S'56-M'57), 334 Beach 12 St., Far
 Rockaway 91, L.I., N.Y.
 MENTINK, ANTHONY F. (S'52-A'53-M'55), Tech. Engr.,
 GE Co., ANP Debt., Evendale, Ohio.
 MENTZER, JOHN R. (SM'57), Prof., Engrg. Sciences, Pennsylvania State Univ., University Park, Pa.
 MENTZER, PAUL K. (M'53), Genl. Supvg. Engr., Wire
 Relations & Radio, Cleveland Electric Illuminating Co.,
 55 Public Sq., Cleveland 1, Ohio.
 MENTZER, STANELY C. (S'50-A'52-M'57), V.P., Red.
 Development Corp., 14725 Arminta St., Van Nuys, Cali'
 MENZEL, DONALD H. (SM'55), Dir., Harvard Colle r
 Observatory, 60 Garden St., Cambridge 38, Mass.

- 295 -MEN-MET

- MENZEL, HANS W. (S'50-A'51-M'5B), Production Engrg Supvr., Bendix Aviation Corp., 201 Westwood Ave., Long Branch, N.J.
- MENZER, CARL H. (M'45-SM'46), Dir., Radio Stas. WSUI-KSUI; Prof., Elec. Engrg., State Univ. of Iowa, Iowa City, Iowa.
- MENZI, HANS U. (M'56), Prof., Electronics Engrg., Kantonales Technikum, Burgdorf, Switzerland.

- (onaies Technikum, Burgdorf, Switzerland, MENZIES, ROBERT W. (A'53), Field Engr., RCA, Camden B, N.J.
 MEO, MARTIN (A'54), Instr., Pierce School of Radio & Television, 52 E. 19 St., New York, N.Y.
 MEOLA, ROBERT R. (SM'55), Asst. Prof. & Asst. Exec. Assoc., Newark College of Engrg., 323 High St., Newark, N.J.

- ASSU., Newark College C. Pingry., 363 high St., Newark, N.J.

 MERA, STEVEN M. (S'56-A'59), Asst. Energ. Writer, Westinghouse Electronics Div., Box 1897, Baltimore 3, Md. MERANDA, JAMES I. (M'53), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MERCADO, CARLOS R. (A'4B), Residence Maintenance Techniclan, Aeronautical Radio, Inc., Isla Grande Air Terminal, San Juan, Puerto Rico.

 MERCADO, PAUL D. (A'54), Project Engr., Radio Condenser Co., Camden, N.J.

 MERCADO, TEODORO (S'55-M'57), Instr., College of Agriculture & Mechanic Arts., Mayaguez, Puerto Rico.

 MERCER, BENJAMIN H. (S'57-A'59), Engrg. Assoc., Microwave Dev., Western Electric Co., 1600 Osgood St., North Andover, Mass.

 MERCER, IRA G. (M'50), Genl. Mur., Electronics Div., Radio Television Corp., 7/7 Ala Moana Blvd., Honolulu, Hawaii.

- Radio Television Corp., 777 Ala Modila Divo., Hollothu, Hawaii.

 MERCER, WM. RALPH (A'42-SM'47), Dir., Research, Corporate Dir., Sanders Associates, Inc., 95 Canal St., Nashua, N. H.

 MERCER, WORDEN T. (S'53-A'54), Sr. Field Engr., Bendix Radio Div., Baltimore. Md.

 MERCHANT, CLIFTON C. (S'57-M'59), Asst. Engr., Sperry Gyroscope Co. Great Neck, L. I., N. Y.

 MERCHANT, J., HAROLD (A'41-M'49), Elec, Engr., Link A/iation, Inc., Binghamton, N. Y.,

 MERCHANT, REUBEN (S'39-A'41-M'55), Partner, Hudson Associates Box 261, Nassau, L. I., N. Y.

 MERCHANT, ROBERT C. (S'55-M'59), 170 2 Annandale Rd., Falls Church, Va.

 MERCHANT, ROBERT S. (M'57), Supvy. Engr., Natt. S. curity Agency, Washinaton 25, D. C.

 MERCHANT, SWAINEA, J. JR. (A'51-M'56), Supvy. Engr., Westinghouse Elec, Corp., Friendship Internatl, Airport, Baltimore 27, Md.

 MERCHANT, VIJA YSINH V. (A'4B), Engr.-in-Clg., Philips
- MERCHANT, VIJAYSINH V. (A'4B), Engr.-in-Chg., Philips India, Ltd., 10 Swedeshi Mills Estate Opera House, Bom-

- bay, India.

 MERCHANT, WILLIAM J. (SM'47), DIv. Chlef, Operations Research Office, The Johns Hopkins Univ., 6935 Arlington Rd., Bethesda, Md.

 MERCHAV, SAMUEL J. (M'57), Research Group Leader, Scientific Dept., Ministry of Defence, Box 7063, Hakirya, Tel-Aviv, Israel.

 MERCIER, ANDREW E. (A'33-VA'39-SM'55), Asst. Mgr., TV Tech. Operations, CBS Television, 4B5 Madison Ave., New York, N.Y.
- New York, N.Y.

 MERCIER, JEAN M. (SM'5B), Chief Engr., Cie Francaise, Thomson Houston, 173, Blvd Haussman. Paris B. France MERCKER, ANDREW J. (M'59), Sr. Electronics Engr., Motorola, Inc., 2710 N. Clybourn, Chicago, III.

 MERCURIO, JOSEPH F., JR. (M'56), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

- MRRDA, WALTER R. (A'54), Research Engr., Zenith Radio Corp., 6001 Dickens, Chicago 39, III MEREDITH, C, CHARLES (A'30-M'35), V, P., Engrg., C. C. Meredith & Co., Ltd., B4 Thomas St., Streets-ville, Ont., Canada.

- vile, Ont., Canada.

 MEREDITH, CHARLES J. (A'55), Sales Mor., C. C. Meredith & Co., Ltd., Streetsville. Ont., Canada.

 MEREDITH, GEORGE L. (M'59), Electronics Engr., Missile Flight Supervision Office, White Sands Missile Range, N.M.

 MEREDITH, KENNETH M., JR. (S'55-M'56), Aerophysics Engr., Convair, Ft. Worth, Tex.

 MEREDITH, MAURICE K. (S'57-M'5B), Assoc. Engr., Texas Instruments, Inc., 6000 Lemmon Ave... Dallas 9. Tex.

 MEREDITH, MAXINGE K. (S'55-M'57), 119 Queen St., S., Streetsville, Ont., Canada.

 MEREEN, DONALD E. (A'46-M'47), Secy-Treas. & Genl. Mgr., Continental Sound Engrg., Inc., 12780 W., Burleigh, Milwaukee 1B, Wis.

 MERENDA, FRANCIS S. (S'55-M'57), Elec. Engr., MIT

- MERENDA, FRANCIS S. (\$'55-M'57), Elec. Engr., MIT instrumentation Lab., Cambridge 39, Mass.

 MERER, GEORGE E. (\$'47-SM'52), Eastern Regional Mgr., Cubic Corn., 4630 Montgomery Ave., Bethesda 14, Md. MERETSKY, PAUL L. (\$'54-M'56), Dev. Engr., Clevite Transistor Prods., 241 Crescent St., Waltham 54, Mass. MERGLER, HARRY W. (M'56), Por., Case Institute of Technology, University Circle, Cleveland 6, Ohio. MERGY, ATHUR E. (\$'52-A'53), Bidg. 25, Apt. 10, Ross Ade Apts., West Lafayette, Ind.

 MERIAN, RICHARD F. (M'59), Physicist, Biophysics Div., Research Directorate, Air Force Special Weapons Center, Kirtland AFB, N. M.

 MERINGTON, RICHARD N. (\$'54-A'55). Systems Engr
- MERINGTON, RICHARD N. (\$'54-A'55), Systems Engr., Chance-Vought Aircraft Plant, Box 590° Dallas, Tex. MERK, ROBERT V. R. (A'50), System Engr., Westem Dev., Labs., Philoc Corp., 3875 Fabian Way, Palo Alto,
- Traffic Dept., City of New York, 100 Gold St., New York 38, N.Y.
- MERKEL, KARL (A'55), Operator & Owner, Glenqueen Radio & Television Service, 66-33 Myrtle Ave., Glendale 27, L.I., N.Y.
- L.I., N.Y.

 MERKEL, MILES A. (S'53-A'54), Electronics Engr., Dept. of Defense, Washindton, D.C.

 MERKLER, FRANKLIN T. (M'53), Electronic Designer, Taga Designer Inc., 55 Willoughby St., Brooklyn 1, N.Y.

 MERKLINGER, JOHN J. (M'57), Exec. Engr., Philico Coro., C& Tioga Sts., Philadelphia 34, Pa.

 MERL, KURT C. (A'52-M'57), Head, Engrg. Dept., Ford Instrument Co. 31-10 Thomson Ave., Long Island City 1, N.Y.

- MERLE, CLOR W. (S'4B-A'49-SM'56), Head, Systems Research, Sylvania Electronic Systems Div., 1100 Wehrle Dr. Williamsville 21, N.Y.
- MERLIN, A. GERALD (A'53), Dir., Mfg., Loral Electronics Corp., B25 Bronx River Ave., New York 72. N.Y. MERMELSTEIN, EDWARD I. (S'53-M'5B), Asst. Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

- City 1, N.Y.

 MERONEK, DENNIS F. (S'5B-M'59), 371B W. 224 St.,
 Torrance, Calif.

 MERRELL, CLAYTON H. (M'5B), Supvo, Engr., AT&T Co.,
 13B E. Court St., Cincinnati, Ohio.

 MERREN, GEORGE T. (S'57-A'5B), Field Engr., Great Name
 Brand-TV, 1522 Lawrence, Chicago, III

 MERRIAM, DON P. (S'57-M'59), Elec, Engr., Jack D. Stevens, Consulting Engr., 1000 2nd Avg., Scattle 4, Wash
 MERRIAM, FRANCIS F. (M'52-SM'92), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N. J.

 MERRIAM, ROBERT H. (A'53), Elec, Design Engr., GE Co.,
 Syracuse, N.Y.

 MERRIAM, ROBERT T. (A'49-M'57), Head, Telercording
- Syracuse, N.Y.

 MERRIAM, ROBERT T. (A'49-M'57), Head, Telercording Sect. Test Deoh. U.S.N.O.T.S.. China Lake. Calif.

 MERRIAM, ROBERT W. (M'56), Owner, Merriam Marine Radio, Narragansett. R.I.

 MERRIAM, STANTON W. (A'59), Asst. Engr., S.N.E.T. Co.. 227 Church St., New Haven. Conn.

 MERRIFIELD, LAWRENCE A. (M'5B), Consulting Application Engr., Westinghouse Elec. Corn., Chicago, III.

 MERRIGAN, CHARLES F. (A'46-M'55), Mgr., Scatter & Special Systems Engrg., CE Co., Syracuse, N.Y.

 MERRIGAN, MICHAEL T. (S'48-A'56), Project Engr., Underwriters' Labs., Inc., 161 6 Ave., New York, N.Y.

- MERRIHEW, HAWLEY W. (A'51-M'56), Instr., Philoo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

- 22 St. & Lehioh Ave., Philadelphia 32, Pa.

 MERRILL, BRIAN (S'49-A'50-M'53), Sr. Engr., Raytheon
 Mfo. Co., Waltham 54, Mass.

 MERRILL, GEORGE E. (S'41-A'43-M'55), Pres., Reliance
 Enternises, 427 S. Davis St., Santa Rosa, Calif.

 MERRILL, GRAYSON (SM'5B), Genl. Mgr., Fairchild
 Astrionics Div.. Wyandanch, L.I., N.Y.

 MERRILL, HAROLD S., JR. (S'56-M'5B), Asst. Instr.,

 Marquette Univ., 1515 W. Wisconsin Ave., Milwaukee 3,
 Wis.
- F. Fullam, Inc., R. F. D. 1, Albany-Shaker Rd., Water-vliet, N.Y.
- viiet, N.Y.

 MERRILL, HENRY M. (A'31-VA'39-M'55), Sr. Electronics
 Engr., ElectroData Div., Burroughs Corp., 460 Sierra Madre
 Villa, Pasadena, Calif.

 MERRILL, JAMES A. (A'50), TV Tech. Operations, NBC,
 3000 W. Alameda Ave.. Burbank, Calif.

 MERRILL, JAMES R. (SM'54), Raytheon Mfg, Co., Santa
 Barbara, Calif.

- Barbara, Calif.

 MERRILL, JOHN (A'43-M'50), Engr., Radiation, Inc.,
 1030 Hemmann Ave.. Orlando. Fla.

 MERRILL, JOHN B. (S'48-A'50-M'56), Sr. Engr., Allen
 B. DuMont Labs., Inc., 35 Market St., East Paterson, N.J.

 MERRILL, JOHN H. (S'55-M'56), Field Engr., Hamilton
 Standard Div., United Aircraft Coro., Windsor Locks, Conn.

 MERRILL, JOSIAH L., JR. (M'56), Mem. Tech. Staff, Bell
 Tel. Labs., 463 West St., New York 14, N.Y.

 MERRILL, LYNN L. (SM'49), Dean of Faculty & Head, Dept.,
 Mathematics, Stevens Institute of Technology, 5 & Hudson,
 Hoboken, N.J.

 MERRILL, RALPH C. (AUES), Ed.

- MERRILL, RALPH G. (M'59), Electronics Scientist, Natl. Bureau of Standards, Boulder, Colo. MERRILL, RICHARD C. (S'55-M'5B), Elec. Engr., GE Co., Ithaca, N.Y.
- MERRILL, ROBERT B. (A'50-M'55), Project Engr., R' Missile Electronics & Controls Dept., Burlington, Mass
- Missie Electronics & Controls Dept., Burnington, Mass. MERRILL, ROBERT L. (S'55-A'5B), Customer Engr., IBM, Poughkeepsie, N. Y.

 MERRILL, ROGER E. (S'51-A'52-M'56), Design Engr., Prod. Dev. Lab., IBM, Poughkeepsie, N. Y.

 MERRILL, ROGER L. (A'46-M'52), Mgr., Engrg. Physics Dept., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.
- MERRITHEW, ROGER F. (S'49-A'51-M'55), Supvr., Equipment Dev. Sect., Semiconductor Prods. Dept., GE Co., Syracuse, N.Y.
- MERRITT, CHARLES H. (A'45-M'51-SM'57), Prof., Elec. Engr., Arizona State Univ., Temple, Ariz. MERRITT, DONALD E. (A'59), 715 W. 34 St., Anderson, Ind.
- son, Ind.
 MERRITT, EARL A. (S'50-A'51), Head, Defense Techniques
 Unit, ECM Sect., Avionics Div., Bureau of Aeronautics,
 Washington 25, D.C.
 MERRITT, HAROLD J. (M'52), Mgr., Air Armament Contracts, Electronics Div., Canadian Westinghouse Co., Ltd.,
 Longwood Rd., Hamilton, Ont., Canada.

- tracts, Electronics Div., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.

 MERRITT, JAMES R. (S'56-M'57), Reliability Engr., Collins Radio Co., Cedar Rabids, lowa.

 MERRITT, JOHN E. (A'53-M'5B), Sr. Engr., Philoc Corp., Robers & Wissahickon Aves., Philadelphia, Pa.

 MERRITT, NELSON A. (A'48-M'55), Staff Mem., Genl., Precision Lab., Inc., 63 Bedford Rd., Pleasantville. N.Y.

 MERRITT, PAUL R. (M'5B), Electronics Engr., RCA, West Coast Missile & Surface Radar Dept., 11B19 W. Olympic Blvd., Los Angeles 64, Calif.

 MERRITT, ROBERT P. (S'46-A'50-M'55), Assoc. Prof., Elec. Engrg. & Research Assoc., Univ. of Alaska & Geophysical Institute, College, Alaska.

 MERRITT, SYDNEY (M'59), Sr. Engr., Westinghouse Corp., Bath, N.Y.

 MERRITT, THOMAS D. (M'59), Dir., Systems, Magnetic Amplifiers Sect., Westinghouse Elec. Corp., 356 Collins Ave., Pittsburgh 6, Pa.

 MERRY, FRED J. (M'58), Plant Methods Supvr., New York Telephone Co., 15B State St., Albany, N.Y.

- MERRY, HENRY C. (A'57), Communications Technician, Canadian GE Co., Ltd., 3603-B St., S.E., Calgary, Alta., Canada.
- Alta., Canada.

 MERRY, JOHN M. P. (A'5B), Tech. Dir., WPIX-TV,
 20 E. 42 St., New York 17, N. Y.

 MERRYMAN, WAYNE R. (S'55-M'5B), Project Engr.,
 Jordan Electronics Co., 3025 W. Mission Rd., Alhambra,
 Calil.
- MERSON, LAWRENCE (A'57), Pres., Genl. Resistance, Inc., 577 E, 156 St., New York 55, N.Y.

- MERTEN, DONALD J. S. (M'47-SM'53), Pres., Communication Associates, Inc., 120B 3rd Ave., New Hyde Park, L.I., N.Y.
- L.I., N.Y.

 MERTENS, LAWRENCE E. (S'50-A'54-M'59), Staff Engr.,
 Defense Electronics Prods., RCA, Camden, N.J.

 MERTKE, SIEGFRIED H. (M'59), Professional Engr.,
 Canadian Marconi Co., Trenton Ave., Montreal, P.Q.,
 Canada.
- MERTZ, EUGENE H. (A'5B), 303 N. Oak Ave., Endicott,

- N.Y.

 MERTZ, HARVEY W. (A'52-M'55), Field Engr., Philco
 Coro., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 MERTZ, PIERRE (SM'44-F'50), Consultant, 66 Learnington
 St., Lido, Long Beach, L.I., N.Y.

 MERVYN, GRANT (S'55-M'56), Design Engr., Canadian
 Aero Service, Ltd., 348 Queen St., Ottawa, Ont.,
 Canada.

- Canada.

 MERWIN, RICHARD E. (S'43-A'45-M'55), Sr. Engr.,
 IBM, Poughkeepsie, N.Y.

 MERWIN, ROY L., JR. (A'46-SM'54), Mktg. Research
 & Prod. Planning, Radiation, Inc., Melbourne, Fla.

 MES, JOHN J. A. F. (M'57), Project Engr., Electronic
 Materiels Internati., Ltd., 342 Gladstone Ave., Dttawa
 2, Ont., Canada.

- 2, Ont., Canada.

 MESA, ALBERT M., SR. (A'54), 2106 Pine Bluff Ave., Drlando, Fla.

 MESA, J. O. (A'40-SM'44), Mgr., Radar Engrg., RCA, Service Co., Patrick AFB, Fla.

 MESAK, CHARLES (S'39-A'41-M'55), Supvr., TV Engr., CBS, 6121 Sunset Blvd., Los Angeles 2B, Calif.

 MFSARD, ROBERT M. (S'56-M'59), Engr., Airborne Instrument Lab., Melville, L.I., N.Y.

 MESCH, ROBERT M. (M'54), Engr., Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.

 MFSECHER MITCHELL G. (A'55), Engr., Sperry Gyro-
- Field, Garden City, L.I., N.Y.

 MESECHER, MITCHELL G. (A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- MESECHER, MITCHELL G. (A:55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MESEROLE, WILLIAM E., (5'55-M'5B), Dev. Engr., Wheeler Labs., Box 561, Smithtown L.I., N.Y.

 MESERVE, WILBUR E. (SM'57), 311 Phillips Hall, School of Elec. Engrg., Cornell Univ., Ithaca, N.Y.

 MESH, THEODOKE J. (A'49-SM'57), Research Dir., Wico Electric Co., Phelon Ave., West Springfield, Mass. MESIANO, CARLOS (S'4B-A'52), 760 Gustavo Sampaio, Rio de Janeiro, Leme, Brazil.

 MESLENER, GEORGE J. (A'50), Tester, Radio-Marine Coro. of America, 75 Varick St., New York 21, N.Y.

 MESNER, MAX H. (A'44-SM'50), Project Engr., RCA, Astro Electronic Prods. Div., Princeton, N.J.

 MESSENGER, GEORGE C. (A'53-SM'5B), Dept. Head, Device Electronics, Hughes Aircraft Co., Internatl. Airport Sta., Los Angeles 45, Calif.

 MESSENGER, PAULR R. (S'5B-A'59), Electronics Engr., Stromberg-Carlson Co., 140D N. Goodman St., Rochester, N.Y.

 MESSENHEIMER, A. DONALD (S'47-A'4R-A'4FE)

- Stromberg-Carlson Co., 140D N. Goodman St., Rochester, N.Y.

 MESSENHEIMER, A. DONALD (S'47-A'4B-M'55), Patent Lawyer, Strauch, Nolan & Neale, 1111 E. St., N.W., Washington 4, D.C.

 MESSER, ARVEL M. (M'56), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 MESSER, HERBERT G. (A'30-SM'46), Specialist, Defense Electronics Div., GE Co., Syracuse, N.Y.

 MESSERA, JOHN R. (A'53-M'5B), Principal Mech. Engr., Emerson Research Labs., 701 Lamont St., N.W., Washington 10, D.C.

 MESSICK, VERNON D. (A'56), Tech. Editor, Natl. Radio Institute, 3939 Wisconsin Ave., N.W., Washington, D.C.

 MESSINA, ANTHONY S. (A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MESSINA, JONE (M'5B), Electronics Scientist, U.S.

 Amy Signal Missile Support Agency, White Sands

 Missile Range, N.M.

 MESSINA, JOSEPH (S'56-A'58), Technician, Loral Electronics Scientian, Loral Electronics
- MESSINA, JOSEPH (S'56-A'58), Technician, Loral Electronic, Inc., 825 Bronx River Ave., Bronx 75, N.Y.
 MESSINA, MANUEL F. (S'56-M'58), Elec. Engr., RCA, Canden, N.J.
- MESSINEO, ROBERT H. (S'5B-A'59), Project Eng Commercial Radio Sound Corp., 652 1st Ave., No York, N.Y.
- MESSINGER, HENRY P. (A'46-M'55), Asst. Prof., Elec. Engrg., Illinois Institute of Technology, 3300 Federal St., Chicago 16, III.
- MESSLER, FRANK J. (M'56), Assoc. Engr., The Martin Co., 1400 Arapahoe, Denver, Colo. MESSMER, WALTER J., JR. (S'57-M'59), Nev. Engr., American Electronic Labs., 121 N. 7 St., Philadelphia
- o , Pa.

 MESSNER , GEORGE P. (S'49-A'50-M'55), Systems
 Engr., Daystrom Pacific Corp., 9320 Lincoln Blvd.,
 Los Angeles 45 , Calif.
 MESSNER, ROY W. (M'54), Procurement Rep., Martin Co.,
 Baltimore 3, Md.

- Baltimore 3, Md.
 MESSNER, WARRENS (S'50-A'52-M'56), Project Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 MESTER, JOHN C. (S'4B-A'51), Mathematician, Ballistic
 Research Labs., Aberdeen Proving Ground, Md.
 MESTERY, STEPHEN J. (A'46), Owner & Genl. Mgr.,
 Mastery's Radio & Electronic Service, 1BB Sherbrook St.,
 Winnipeg 1, Man., Canada.
 METCALE CHAPLEC (MSC)

- Winnipeg 1, Man., Canada
 METCALF, CHARLES E. (M'5B), Engr., Collins Radio
 Co., Cedar Rapids, Iowa.
 METCALF, DAVID E. (A'30-VA'39-M'4B), Research
 Assoc., Hughes Aircraft Co., Culver City, Calif.
 METCALF, DE FORREST (SM'5B), Project Engr., Kearfott Co., Inc., 14844 Oxnard, Van Nuys, Calif.
 METCALF, GEORGE F. (A'2B-M'3B-F'42), Regional V.P.,
 Washington Defense Activities, GE Co., 777 14 St., N.W.,
 Washington 5, D.C.
- METCALF, WILLIAM C. (S'55-M'5B), Test Engr., Hamilton Standard Div., United Aircraft Corp., Broadbrook, Conn.
- METCALF, WILLIAM L., JR. (S'54-M'56), Electronics Engr., Einclaon Electrical Mfg. Co., 8100 W Florissant, St. Louis 21, Mo.
- St. Louis 21, Mo.
 METCALFE, DONALD (SM'47), Chief, Radio Engrg. Dept.,
 Western Electric Co., 220 Church St., New York 13. N.Y.
 METCALFE, IRWIN J. (M'51), Sales Mgr., Pickard & Burns,
 240 Highland Ave., Needham, 94, Mass
 METCALFE, JOHN D. (A'45-M'55), Instruction Staff, Naval
 Electronics School, Class C. Treasure Island. Calif

- METELMANN, CHRISTOPH (A'55), Circuit Dev. Engr., GE Co., 316 E. 9 St., Owensboro, Ky. METEVIA, EDWIN E. (S'4B-A'51-M'58), Research Engr., Lockheed Missile Systems Div., 1122 Jagles Rd., Sunnyvale, Calif.
- Calif.

 METH, ISRAEL (A'42-M'49), Electronics Scientist, Materiel
 Lab., New York Naval Shipyard, Brooklyn, N.Y.

 METHOT, FERNAND R. (S'53-A'54), Project Engr., Canadian
 Marconi Co., 6035 Cote de Liesse Rd., Ville St. Laurent,
 P.Q., Canada.
- METRICK, JOHN (M'5B), Assoc. Engr., IBM, Kingston,
- METRO, ANGELO C. (M¹59), Electronics Engr., Lab. for Electronics, Inc., 75 Pitts St., Boston 14, Mass. METSCHER, WILLIAM (M¹58), Nuclear Research Officer, USAF, Wright-Patterson AFB, Ohio.

- WESTS. Wright-Patterson AFB, Ohio.

 METSKER, WILLIAM W. S. (SM'56), Chief Administrative Engr.,
 Bendix Aviation Corp., Missile Sect., 400 S. Beiger St.,
 Mishawaka, Ind.

 METTE, ROBERT J. (A'48-M'56), Electronics Engr., McDonnell Aircraft Corp., Lambert-St. Louis Municipal Airport,
 St. Louis, Mo.

 METTEN, WILLIAM H. (M'50), Prod. Dev. Engr., Sylvania
 Elec. Prods., Inc., Salem, Mass.

 METTER, RAYMOND E. (S'57-M'58), Research Engr.,
 Boeing Airplane Co., Seattle 24, Wash.

 METTLER, RUBEN F. (S'47-A'50-M'55), Exec. V.P., Space
 Technology Labs, Inc., B670 Arbor Vitae, Los Angeles 45,
 Calif.

- Calif.
 METTS, LEONARD W. (A'53), Field Engr., RCA Service Co., Cocoa, Fla.
 METZ, ODNALD F. (S'57-M'58), Asst. Chief, Communications, Electronics Div., McCoy AFB, Orlando, Fla.
 METZ, ELMER W., JR. (A'56), Sales/Field Engr., Jerrold Electronics Corp., 9635 W. Colfax Ave., Denver 15, Colo.
 METZ, GEORGE F. (S'58-M'59), Project Engr., Beckman-Berkeley, 2200 Wright Ave. R. (ickmond, Calif.
 METZ, HENRY I. (A'38-M'46-SM'56), V.P.-in-chg., Engr., Capital Radio Engr., Institute, 3224 16 St., N.W., Washington 9, D.C.

- Engrg., Lapital Kadio Engrg. Institute, 322-7 40 St., N.W., Washington 9, D.C.

 METZ, NORMAN J. (\$'56-M'58), Research Engr., Lockheed Missiles Systems Div., 3251 Hanover St., Palo Alto, Calif. METZ, PETER R. (\$'55-M'58), 305 Memorial Dr., Cambridge 39, Mass.

 METZELAAR, PAUL N. (A'55), Research Engr., Willow Run Labs., Univ. of Michigan, Upsilanti, Mich.

 METZGAR, KENNETT J. (M'56), Asst. Chief Engr., The Calidyne Co., 120 Cross St., Winchester, Mass.

 METZGER, ARTHUR C. (A'51-M'56), Project Mgr., Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 1, Pa.

 METZGER, ARAN W. (A'52-M'57), Physicist, Diamond Ordnance Fuze Lab., Washington, D.C.

 METZGER, HANS W. (A'52-M'57), Staff Engr., Electro-Optical Systems, Inc., 170 N. Daisy, Pasadena, Calif.

 METZGER, JAMES A. (S'54-A'55), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- METZGER, JEROME F. (S'52-A'54), Electronics Engr., Kentron Hawaii, Ltd., 1140 Waimann St., Honolulu 14, Hawaii.
- mawaii.

 METZGER, PAUL A. (A'45-M'57), Mgr., Dev. Shop
 Engrg., RCA, New Holland Pike, Lancaster, Pa.

 METZGER, SIDNEY (A'40-M'46-SM'52), Mgr., Communications Engrg., RCA, Astro-Electronic Prod. Div., Princeton,
 N.J.

- tions Engrg., RCA, Astro-Electronic Prod. Div., Princeton, N.J.,
 N.J.,
 METZGER, WILLIAM (S'51-A'54-M'59), Sr. Elec. Engr.,
 Melbar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 METZLER, DOUGLAS H. (S'57-A'59), Field Engr., GE.
 Co., Syracuse, N.Y.
 METZLER, FRANKLIN A., JR. (A'56), Designer, Sylvania
 Elec. Prods., Inc., Emporium, Pa.
 METZLER, MALCOLM A. (S'55-M'59), Electronics
 Engr., RCA, Camden 2, N.J.
 METZLER, RICHARD (A'51), Elec. Supvr., CurtissWright, Wooldridge, N.J.
 METZNER, RICHARD (S'51), Elec. Supvr., CurtissWright, Wooldridge, N.J.
 METZNER, HENRY E. (S'57-M'5B), Mem. Tech. Staff,
 Hughes Aircraft Co., 4345 Artesia, Fullerton, Calif.
 METZNER, JOHN J. (A'55), Assoc. Research Scientist,
 Research Div., College of Engrg., New York Univ.,
 Bronx 33, N.Y.
 METZNER, PHILIP (M'58), Asst. Project Engr., Fairchild Astrionics Div., Wyandanch, L.I., N.Y.
 MEUCHE, CHARLES H. (M'53), Mrs¹. Rep., WAC, Inc.;
 CGS Labs., Inc.; Revere Copper & Brass; Tamar Electronics,
 Inc.; Weborn, Inc.; System, Inc.; IT&T Labs.; 1448 3rd
 Natl. Bldo.. Davton 2, Ohio.
 MEUER, ANTHONY G. (A'49-M'53), Instr., Design De
 Vry Tech. Institute, 4141 W. Belmont Ave., Chicago 41,
 III.
- MEULEMAN, ROBERT (SM'58), DIr., Traffic Control Engr., Crosley Div., Avco Mfg. Co., Arlington St., Cincinnati, Ohio.

- Ohio.

 MEULEMANS, JOSEPH I. (M'58), 4361 Mozart Ave., Dayton 4, Ohio.

 MEUNIER, JEAN L. (A'48-M'52), Pres., Teccart Institute, Inc., 3155 Mochelaga St., Montreal 4, P.O., Canada.

 MEUNIER, MAURICE B. (A'57), Engr., Electronics Div., Westinghouse Elec. Coro., Baltimore, Md.

 MEYER, ALBERT (S'46-A'51-M'52-SM'55), Research Engr., Baldwin Piano Co., 1801 (Bibert Ave., Cincimati 2, Ohio.

 MEYER, ALLAN W. (S'51-A'53-M'59), Dev. Engr., Robert Shaw-Fulton Controls Co., 401 N. Manchester, Anaheim, Calif. Shaw-Calif.
- MEYER, ANDREW U. (A'52), 1426 W. Balmoral, Chicago 40, III.

- MEYER, ANDREW U. (A'52.), 1426 W. Balmoral, Chicago 40, Iff.

 MEYER, ANDREW W. (SM'59), Project Engr., Tasker Instruments Corp., 3349 Cabuenga Blvd., Hollywood 28, Calif.

 MEYER, AUGUST W. (A'50-M'55-SM'58), Project Engr., Westinghouse Elec. Corp., Box 746. Baltimore 3, Md.

 MEYER, BERNARD (S'46-A'51-M'56), Telefingr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 MEYER, BERNHARD H. (S'53-M'56), Electronics Engr., GE Co., Syracuse, N.Y.

 MEYER, BRUCE L. (S'47-M'57), Sr. Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 MEYER, BURTIS W. (A'53-M'57), Circuits Engr., Computer Lab., GE Co., 951 Commercial St., Palo Alto. Calif.

 MEYER, BYRON W. (S'55-M'57), Instrument Engr., The Procter & Gamble Co., Ivorydale, Cincinnatl 17, Ohlo.

- MEYER, CARL H. (A'42), Owner, Radio Sta. WCMY, Box 6B7, Ottawa, III.

- MEYER, CARL H. (A'42), Owner, Radio Sta. WCMY, Box 6B7, Ottawa, III.

 MEYER, CHARLES A. (SM'53), Mgr., Commercial Engrg. Tech. Services, RCA, Harrison, N. J.

 MEYER, CHARLES B. (S'52-M'57), Design & Dev. Engr., RCA, Canden, N. J.

 MEYER, CHARLES B. (S'52-M'57), Design & Dev. Engr., Cockheed Aircraft Corp., Box 504, Sunnyvale, Calif.

 MEYER, CHARLES F., JR. (A'44-SM'51), Project Head, Sylvania Electronic Defense Lab., Mountain View, Calif. MEYER, CHARLES F., JR. (A'44-SM'51), Project Head, Sylvania Electronic Defense Lab., Mountain View, Calif. MEYER, CHARLES J. (S'52-A'45-4-M'56), Sr. Engr., MEYER, DANIEL R. (M'58), Assoc. Elec. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 MEYER, DANIEL R. (S'47-A'49-M'55), Group Engr., Lockheed Aircraft Corp., Burbank, Calif.

 MEYER, DONALD H. (SM'57), Project Engr., Collins Radio Co., Cedar Raplds, lowa.

 MEYER, COMATV, Box 721, R. 3, Golden, Colo.

 MEYER, DONALD H. (SM'57), Project Engr., Collins Radio Co., Cedar Raplds, lowa.

 MEYER, ERWIN W. (SM'57), Prof., Dir., III, Physikalisches Institut der Univ. Cottingen, Buergerstr. 42, Goettingen, Germany

 MEYER, FRANKLIN (A'52-M'57), Pres., Tempo Instrument, Inc., Box 338, Hicksville. I. I. M.
- gen, Germany.

 ME YER, FRANKLIN (A'52-M'57), Pres., Tempo Instrument, Inc., Box 338, Hicksville, L. I., N. Y.

 MEYER, GAYLORO L. (S'54-M'57), Elec. Engr., Bemis
 Bro. Bag Co., 601 S. 4, St. Louis 2, Mo.

 MEYER, GEORGE B. (M'56), Regional Mgr., Defense Prods.,
 Westinghouse Elec. Corp., 32 N. Main St., Dayton 3,
 Ohio.

- Ohio.

 MEYER, GEORGE E. (A'54), Engr., Fisher Radio Corp., 21-21 44 Dr., Long Island City 1, N. Y.

 MEYER, GERHARDT E. (A'55), Research Project Supvr., E. I. du Pont de Nemours & Co., Inc., Experimental Sta., Wilmington, Del.

 MEYER, HANS R. (A'55), Sr., Dev., Engr., Richard D., Brew & Co., Inc., 90 Airport Rd., Concord, N. H.

 MEYER, HAROLD F. (SM'50), Co-Head, Communication Systems Dept., The Ramo-Wooldfudge Corp., 5730 Arbor Vitae St., Los Angeles, Calif.

 MEYER, HENDRIKUS M., JR. (A'55), Administrative Asst. (Engr.), Stanford Research Institute, Menlo Park, Calif.

 MEYER, HERBERT (M'57), Research Engr. Reliability.
- Engrg.), Stanford Research Institute, Menio Park, Calif.

 MEYER, HERBERT (M'57), Research Engr., Reliability,
 Radio Plane Div., Morthrop Aircraft, Inc., 8000 Woodley
 Ave, Van Nuys, Calif.

 MEYER, HERBERT E., JR. (M'53), Chief Engr., Sperry
 Utah Engrg. Lab., Salt Lake City, Utah.

 MEYER, JACK L. (S'56-M'57), Instrument Engr., Union
 Carbide Chemical Co., Texas City, Tex.

 MEYER, JAMES C. (A'52-M'57), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.

 MEYER, JAMES C. (M'54), Sr. Engr., Nortronics Div.,
 Northrop Corp., Hawthome, Calif.

 MEYER, JEROME C. (M'55), Sales Engr., Statham Instruments, Inc., 309 Town & Country Village, Palo Alto,
 Calif.

 MEYER, JOHN A. (S'47-8'48). Switchmap. Southwestern

- MEYER, JOHN A. (S'47–A'48), Switchman, Southwestern Bell Tel. Co., 7 & Louisana Sts., Little Rock, Ark, MEYER, JOHN H. (M'53–SM'58), Plant Extension Studies Engr., Pacific Telephone & Telegraph Co., 760 Market St., San Francisco 2, Calif.

- St., San Francisco 2, Calif.

 MEYER, JOHN W. (S'49-A'51-M'57), Engr., Sperry
 Gyoscope Co., Great Meck, L. I., N. Y.

 MEYER, KENNETH G. (S'56-M'5B), Asst. Engr., Sperry
 Utah Engr. Lab., Salt Lake City, Utah.

 MEYER, LAWRENCE L. (S'53-M'57), Instrumentation
 Systems Design Engr., USAF, 4925th Design, Kirtland
 AFB, Albuquerque, N. M.

 MEYER, LESLIE W. (M'34-SM'43), Chartered Patent
 Agent, 90 Canberra Rd., London, S.E. 7, England.

 MEYER, LOUIS, JR. (M'56), Mgr., Service Research
 & Forecasting, Data Processing Div., IBM, 112 E. Post
 Rd., White Plains, N.Y.

 MEYER, LUIS V. (A'431), Chief Posts de Observaça e
- Rd., White Plains, N.Y.

 MEYER, LUIS V. (A'41), Chief Posto de Observacao e
 Verificaca de Emissoes Radio-Electricas, Departamento
 dos Correlos e Telegrafos, Praca Coronel Fernando Prestes
 74. Sao Paulo. Brazzii.

 MEYER, MAURICE A. (A'48-M'55), Chief Engr., Lab.
 for Electronics, 75 Pitts t., Boston, Mass.

 MEYER, RICHARD L. (S'56-M'57), Test Engr., McDonnell
 Aircraft Corp., St. Louis, Mo.

 MEYER, ROBERT B. (A'54), Sales Engr., Sylvania Electric
 Prods. Inc., 100 Fordyce St., Dallas 7, Tex.

 MEYER, ROBERT G. H. (M'50-SM'50), Col., U.S. Army,
 Signal Corps, Asst. Commandant, U.S. Army Signal School,
 Ft. Monmouth, N.J.

 MEYER, ROBERT H. (M'59), Testing & Design Engr., Texas

- Signal Corps, Asst. Commandant, U.S. Army Signal School, Ft. Monmouth, N.J.

 MEYER, ROBERT H. (M'59), Testing & Design Engr., Texas Gas Transmission Corp., Box 577, Owensboro, Ky.

 MEYER, ROBERT J. (A'51-M'58), Engr., Leader, RCA, 2720 E. Broadway, Tucson, Ariz.

 MEYER, ROBERT L. (S'55-M'59), Asst. Engr., Sperry Rand Corp., Great Neck, L. I., N.Y.

 MEYER, ROBERT W. (S'48-A'49-M'55), Sr. Engr., ITT Labs., Nutley 10, N.J.

 MEYER, SAUL (M'53), Sect. Head, Systems Engrg., Minneapolis-Honeywell Regulator Co., Wayne & Windrim Aves., Philadelphia 44, Pa.

 MEYER, STUART F. (M'56), Mobile Engr., Mgr., Allen B., Dumont Labs., 760 Bloomfield Ave., Clifton, N.J.

 MEYER, WILLIAM C. (A'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 MEYER, WILLIAM C. (A'56), Engr., Co-ordinator, Radio Engrg., Labs., Inc., 29-01 Borden Ave., Long Island City 1, N.Y.

 MEYER, WILLIAM E. (S'49-A'53-M'58). Floatenia-

- N.Y.

 MEYER, WILLIAM E. (S'49-A'53-M'5B), Electronics
 Group Engr., Research & Dev., Lockheed Missifes Systems
 Div., Sunnyvale, Calif.
 MEYER, WILLIAM T. (S'57-M'58), Elec. Engr., Philoc
 Corp., 4700 Wissahickon Ave., Philadelphia 44. Pa.
 MEYERHOFF, ALAN A. (S'46-A'48-M'55-SM'59), Sr.
 Engr., RCA Surface Communications Systems, 75 Varick
 St., New York 13, N.,
 MEYERHOFF, ALBERT J. (A'50-M'55-SM'59), Engrg.
 Sect. Mgr., Burroughs Corp., Paoli, Pa.
 MEYERMANN, GERALD W. (A'57), Chief Radio Engr.,
 Northern Natural Gas Co.. Box 102, South Omaha, Neb.

- MEYERS, DONALD E. (S'55-M'57), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 MEYERS, FRANK (A'56), Engr., Rauland Tube Corp., 4245 N. Knox Ave., Chicago. III.

 MEYERS, GEORGE S. (S'57-A'58), Asst. Service Engr., Minneapolis-Honeywell Regulator Co., Inc., 151 Needham St., Newton 61, Mass.

 MEYERS, JAMES G. (A'46-SM'52), Consulting Electronics Engr., 1056 Sheridan Ave., New York 56, N.Y.

 MEYERS, JOHN W. (S'58-A'59), Equipment Maint. Man, AT&T Co., Home: Box 275, Wright City, Mo.

 MEYERS, KENNETH D. (A'47-M'55), Electronics Research Engr., Plezo Crystal Co., 265 E. Pomfret, Carlisle, Pa.

 MEYERS, KENNETH W. (M'54), Mfrs. Rep., Kenneth W. Meyers Co., 6713 N. Oliphant Ave., Chicago 31. III.

 MEYERS, KURT F. (S'54-M'56), Elec. Engr., ITT Labs., Nutley 10, N.J.

 MEYERS, LOREN J. (M'57), Project Engr., Giffillan Bros., Inc., 1815 Venice Blvd., Los Angeles, Calif.

 MEYERS, MICHAEL M. (A'56), Asst. Editor, Electrical Manufacturing, 1250 6 Ave., New York 20, N.Y.

 MEYERS, RODNEY C. (S'48-A'51), TV Maint. Engr., NBC, 1500 N. Vine St., Hollywood 2B, Calif.

 MEYERS, STANLEY (S'45-A'49-SM'55), Foreign Sales Rep., Norden Div., United Aircraft Export Corp., East Hartford, Conn.

- MEYERS, STANLEY T. (SM'46), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 MEYERS, STEPHEN J. (S'55-M'57), Engr., ITT Labs., Nutley 10, N.J.
 MEYERSON, ART H. (M'44), 60 Knolls Crescent, New York 63, N.Y.
- MEYERSON, MARTIN (S'48-A'49-M'55-SM'55), Asst. Project Engr., Advanced Design Dept., Martin Co., Orlando, Fla.
- MEYROWITZ, PAUL E. (S'54-A'57-M'59), Engr., Ray-theon Mfg. Co., Wayland, Mass. MEZEI, JORGE E. (S'57-M'59), Jr. Engr., IBM, Yorktown
- MEZEI, JURGE E. (S'97-M'99), Jr. Engr., IBM, Yorktown Heights, N.Y. MEZGER, CLAYTON C. (A'46-M'55), Group Leader, Bell Aircraft Corp., Box 1, Buffalo 5, N.Y. MEZGER, FRITZ W. (M'59), Mgr., Controls & Instrumenta-tion Dev. Sub-sect., A.N.P. Dept., GE Co., Box 132, Cincinnati 15, Ohio.
- Cincinnati 15, Ohio.

 MEZGER, G. ROBERT (A'37-VA'39-SM'54), Engr., Avion
 Div., ACF industries, Inc., 11 Park Pl., Paramus, N.J.

 MEZGER, JAMES P. (A'56), Asst. Prof., Dept., Elec.
 Engro., Milwaukee School of Engrg., 1025 N. Milwaukee
 St., Milwaukee 2, Wis.

 MGRDECHIAN, RAFFEE (A'54), Genl. Mgr., Magnetics
 Prods. Div., Westbury Electronics, Inc., 300 Shames
 Dr., Westbury, L.I., N.Y.

- MIANO, SAUL V. (5'55-M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.
 MIASNICK, JOSEPH D. (M'59), Tech. Engr., GE Co., 950
 Western Ave., Lynn, Mass.
 MICALE, VINCENT A. (S'5B-A'59), 467 Ferry St.,
 Malden, Mass.

- Maiden, Mass.

 MICCIOLI, ALDO R. (S'47-A'47-M'55), Sect. Mgr.,
 Raytheon Mig. Co., Bedford, Mass.

 MICCIOLI, AMLETO A. (S'51-A'53-M'58), Group Leader,
 Genl. Precision Lab., Inc., Pleasantville, N.Y.

 MICHAEL, CLAUDE (A'56), Pres., Claude Michael, Inc.,
 MICHAEL, F. ROBERT (M'56), Administrator, Education &
 Training Dept., Bell Tel, Labs., Murray Hill, N.J.

 MICHAEL, FRANCIS J. (A'52-M'58), Sr. Dynamics
 Group Engr., Convair, Box 1950, San Diego 12, Calif.

 MICHAEL, HAL (A'47-M'48), Consultant Audio Engr.,
 Vividsound Recording Service, 2008 Niobe Ave., Anaheim, Calif.

 MICHAEL, HARI AN G. (M'58). Research & Dev. Engr.
- MICHAEL, HARLAN G. (M'5B), Research & Dev. Engr., Collins Radio Co., Cedar Rapids, Iowa. MICHAEL, LA MARE. (A'56), Field Engr., Philico Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
- MICHAEL, ROBERT R. (M'50), Asst. Prof., Dept. of Elec. Engrg., Oregon State College, Corvallis, Ore. MICHAELIS, HUGO P. (M'50), Engr., Raytheon Mfg. Co., Wayland, Mass.
- MCHAELIS, MUGD P. (M'57), Engr., Raytheon Mig. Co., Wayland, Mass.

 MICHAELIS, LEO P. (S'55-M'57), Electronics Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.

 MICHAELIS, MICHAEL (SM'55), Head, Nuclear Mingt. Services, Arthur D. Little, Inc., 30 Memorial Dr., Cambridge 42, Mass.

 MICHAELIS, THEODORE D. (A'52-M'57), 27 Fernhill Ave., Buffalo 15, N.Y.

 MICHAELS, ANTHONY G. (M'4B), Electronics Engr., Raytheon Mig. Co., Lowell, Mass.

 MICHAELS, ANTHONY G. (M'4B), Electronics Engr., Raytheon Mig. Co., Lowell, Mass.

 MICHAELS, CHARLES J., JR. (S'49-A'50-M'58), Asst. Engr., Dir., Systems Dev. III, Univac Div., Sperry Rand Corp., 19 & Allegheny, Philadelphia, Pa.

 MICHAELS, CHARLES L. (S'45-A'4B-SM'56), Tech. Dir., Detroit, Mich.

 MICHAELS, EDWARD J. (M'57), Elec. Engr., The Louis

- Detroit, Mich.

 MICHAELS, EDWARD J. (M'57), Elec. Engr., The Louis
 Allis Co., 427 E. Stewart St., Milwaukee 7, Wis.

 MICHAELS, EDWARD L. (S'41-A'44-M'50-SM'52), Head,
 Advanced Scientific Education, Hughes Aircraft Co., Culver
 City, Calif.
- City, Calif.

 MICHAELS, EUGENE C. (A'58), Experimental Engr., Litton Industries, 336 N. Foothill Blvd., Beverly Hills, Calif.

 MICHAELS, GEORGE (A'52), Electronics Technician, FAA, Aeronautical Center, Oklahoma City 12, Okla.

 MICHAELS, GUY M. (M'58), Reliability Engr., Arma Div., Garden City, L.I., N.V.

 MICHAELS, PAUL A. (S'50-A'53-M'58), Sr. Engr., Bendix Aviation Corp., Research Labs., Box 5115, Detroit 35, Mich.

- MICHAELS, S. EUGENE (M'50-SM'50), Assoc. Mem.
 Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.
 MICHAELSON, BERNARD L. (A'55), Owner, Bernard L.
 Michaelson Co., 321 N. Monroe St., Xenia, Ohio.
 MICHAELSON, HERBERT B. (M'57), Assoc. Editor, IBM
 Journal of Research & Development, 590 Madison Ave., New
 York 22. N.
- Journal of Research & Development, 590 Madison Ave., No York 22, N.Y.

 MICHAELSON, WILLIAM (S'52-A'54), Dev. Engr., GE Co., Syracuse, N.Y.

 MICHAL, ROBERT L. (S'57-M'59), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- MICHALAK, EDWARD M. (A'54), Elec. Engr., Allen-Bradley, 136 W. Greenfield Ave., Milwaukee 4, Wis. MICHALEC, GEORGE W. (M'59), Genl. Precision Lab., Pleasantville. N.Y. MICHALEK, ARTHUR R. (S'52-A'53), Project Engr., GE Co., Syracuse 1, N.Y. MICHALENKO, ANDREW (A'31-M'55), Assoc. Prof., Elec. Engrg., Univ. of Saskatchewan, Saskatoon, Sask., Canada. Elec. E Canada
- MICHALK, ERWIN R. (S'49-A'50-M'56), Mem. Tech. Staff, Surface Communications Lab., 2720 E. Broadway, Tucson, Ariz.

- Staff, Surface Communications Lab., 2/20 E. Broadway, Tucson, Ariz.

 MICHALS, RICHARD A. (S'48-A'50-M'56), Sr. Engr., Research & Dev. Div., Smith-Corona Marchant, Inc., 472 Park Ave., Highland Park, III.

 MICHALSKI, EDWARD H. (A'52-M 57), Electronics Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

 MICHEL, ANTHONY N. (S'55-M'59), Jr. Engr., AC Spark Plug, Milwaukee, Wis.

 MICHEL, CARLO (S'55-M'59), 2817 N. Broad St., Philadelphia 32, Pa.

 MICHEL, CHARLES A. (S'52-A'53-M'59), Electronics Engr., RCA, Camden 2, N.J.

 MICHEL, PHILIP C. (A'33-SM'45), Dir., Advanced Dev., The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn. MICHEL, WALTER A. (M'57), Electronics Research Engr., Warwick Mfg. Co., 7300 N. Lehigh, Niles, III.

 MICHELI, A., JR. (A'53-M'57), Dir., Miltary Sales & Engrg., Industrial Electronics, Inc., 832 S. Queen, Honoliul 10, Hawaii.

- MICHELINI, RICHARD D. (S'55-M'57), Instrumentation Engr., Raytheon Mfg., Hartwell Rd., Boston, Mass. MICHELS, LOWELL S. (M'54), Tech. Asst. to Chief Engr., Bendix Computer Div., 5630 Arbor Vitae St., Los Angeles 45, Calif.
- 45, Calif.

 MICHELS, RAYMOND E. (A'54), Hqrs., 8th Air Force, MDM, Westover AFB, Mass.

 MICHELSEN, PAUL F. (S'49-A'53-M'59), Chmn., Electronics Lab., Operations Research Office, The Johns Höjklins Univ., 6933 Arlingtion Rd., Dolla-sàd, Md.

 MICHELSEN, PER W. (S'54-A'55), Service Engr., Boeing Airplane Co., Seattle, Wash, 11, N.Y.

 MICHELSON, MAURICE B. (S'56-M'58), Assoc. Engr., Ama Div., Garden City, L.I., N.Y.

 MICHELSON, MAX (S'50-A'51-M'56-SM'58), Sect. Mgr., Raytheon Mfg. Co., Wayland, Mass.

 MICHIES G. (S'48-A'51-M'56), Elec. Engr., Sester & Associates, Inc., 1060 Wilshire Bivd., Los Angeles 17, Calif.

 MICHISCH, JOSEPH J. (S'58-M'59), Assoc. Engr., Sect., 1060 Wilshire Bivd., Los Angeles 17, Calif.

 MICHISCH, JOSEPH J. (S'58-M'59), Assoc. Engr., Sect., 1060 Wilshire Bivd., Los

- Angeles 17, Lail.

 MICHITSCH, JOSEPH J. (S'58-M'59), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 MICHITSON, PAUL A. (M'56), Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.

 MICHL, WILLIAM L. (S'55-A'58), 2705 Fenton Ave., New
 York 69, N.Y.
- MICHNIK, LEWIS (S'48-A'51-M'56), Sr. Electronics Engr., Bell Aircraft Corw., Buffalo, N.Y. MICHON, GERALD J. (S'53-A'55), Engr., GE Co., Schenectady, N.Y.
- MICKA, ERNEST Z. (M'58), Asst. Project Engr., Communication, Holmes & Narver, Inc., 828 S. Figueroa, Los Angeles 17, Calif.
- 17, Calif. MICKELSON, JOHN R. (S'49-A'51-M'57), Sr. Electronics Engr., Test Equipment Design, Convair, Pomona, Calif. MICKEY, DANIEL D., JR. (S'45-A'52-SM'55), Supvr., Tube Dev. Engrg., GE Co., 316 E. 9 St., Owensboro, Ky. MICKEY, LEROY (A'26-VA'39-M'55-SM'59), Electronics Engr., Bureau of Aeronautics, Navy Dept., Washington 25, D.C.

- D.C.

 MICKSCH, JOSEPH E. (A'57), Pres., JEM Labs., Inc.,
 1108 W. 5 St., Ashtabula, Ohio.

 MICOL, ROGER L. (A'53-M'57), Research & Design Engr.,
 Laboratory for Electronics, 75 Pitts St., Boston 14, Mass.

 MIDCALF, WALTER A. (A'48), Chief Engr., Otto K. Olesen
 Electronics, Inc., 870 N. Garield Ave., Montebello, Calif.

 MIDDELTON, A., DAVID (SM'50), Tijeras, N.M.

 MIDDINGS, STERLING H. (S'56-M'58), Design & Dev. Engr.,
 RCA. Harrison, N.J.

- RCA. Harrison, N.J.

 MIDDLEBROOK, CARLTON G. (S'56-M'58), Electronics Engr.. Civil Service, Naval Proving Ground, Dahlgren, Va.

 MIDDLEBROOK, R.D. (S'55-M'56-5M'58), Assoc. Prof., California Institute of Technology, Pasadena, Calif.

 MIDDLEBROOK, VICTOR S. (S'55-A'56-M'58), Engr., Airborne Instruments Lab., Mineola, L.I., N.Y.

 MIDDLETON, ARTHUR E. (A'52-M'58), Tech. Councilor for Electroluminesence Group, GE Co., Nela Park, Cleveland, Ohio.

- Ohio.

 MIDDLETON, BERNARD A. (M'56), Engr., Engrg. Program Plans, Nortronics Div., Northrop Aircraft, Inc., 1001 Broadway, Hawthome, Calif.
 MIDDLETON, DAVID (S'42-A'44-SM'53-F'59), Consulting Physicist, 23 Park Lane, Concord, Mass.
 MIDDLETON, FOSTER H. (M'54), Instr., Elec. Engrg., Johns Hopkins Univ., Baltimore 18, Md
 MIDDLETON, JOHN A. (S'50-A'53-M'58), Sr. Project Engr., Dage TV Div., Thompson-Ramo-Wooldridge Prods. Co., 10 & Sheridan, Michigan City, Ind.
 MIDDLETON, LEONARD (M'55), Plant Dept. Engr., Canadian MIDDLETON, LEONARD (M'55), Plant Dept. Engr., Canadian Broadcasting Corp., Box 10, Snowdon, Montreal, P.Q., Canada.
- Canada.
 MIDDLETON, MARSHALL, JR. (S'43-A'47-M'55), Applied
 Science Rep., IBM, 2107 Bryan St., Dallas 1, Tex.
 MIDDLETON, RAYMOND J., JR. (S'55-M'56), Elec. Engr.,
 Sanders & Thomas, Inc., Security Trust Bldg., Pottstown,
 Pa.
- MIDDLETON, ROBERT G. (A'43-SM'55), Internatl. Dir., Tech. Information, Radio-Electronic Television Schools & Affiliates, Detroit, Mich.
 MIDDLETON, THOMAS F., JR. (S'53-A'54), Chief Engr., WVCG, Peninsular Broadcasting Co., 377 Alhambra Circle, Coral Gables 34, Fla.
- MIDDLETON, WILLIAM W. (S'43-A'45-M'51), Equipment Engr., Bell Tel. Co. of Pennsylvania, 21D Pine St., Harrisburg, Pa.
- risburg, Pa.

 MIDGARD, ARNE, JR. (\$'53-A'55), Environmental Design
 Engr., Motorola, Inc., 3102 E. 56 St., Phoenix, Ariz.

 MIDGLEY, VERNON E. (A'54), Dayton Consultant, Hazeltine Corp., Little Neck 62, L.1., N.Y., Home: 333 W.

 1st St., Dayton 2, Ohio.

- MIEDEMA, HOTZE (SM'51), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 MIEDKE, ROBERT C. (A'52-M'55), Asst. Dir., Systems Engra., Collins Radio Co., Cedar Rapids, Iowa.
 MIEDZINSKI, JERZY (SM'57), Defence Scientific Service Officer, Canadian Defence Research Board, N.D. Hgrs., Ottawa, Ont., Canada.
 MIEGL, ALBERT K. (S'49-A'50-SM'55), Sr. Project Engr., Arkla Corp., 820 E. Franklin St., Evansville, Ind.
 MIEHER, WALTER W. (A'40-M'44-SM'51-F'54), Engra. Mgr., Countermeasures Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 MIEHER, WILLIAM (A'42-M'47). Asst. Prof. Mathematics
- Neck, L.I., N.Y.
 MIEHLE, WILLIAM (A'42-M'47), Asst. Prof., Mathematics,
 Pennsylvania Military College, 14 & Chestnut Sts., Chester,

- Pa.

 MIELKE, EDWARD S. (A'45), Genl. Mgr., Induction Engrs., Inc., Box 735, Abington, Mass.

 MIELKE, JOHN J. (S'56-M'57), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 MIELZINER, WALTER (S'49-A'55), Chief Engr., Electronics, Stanley Aviation Corp., 2501 Dallas St., Denver 8, Colo.
- Denver 8, Čolo.

 MESSNER, BENJAMIN F. (A'37-F'37), Pres. & Owner,
 Miessner Inventions, Inc., Van Buren Rd., Morristown, N.J.

 MIEVILLE, L. C. V. (M'53), Mng. Dir., Mieville &
 Harrison, Via Turati 8, Milan, Italy
- Harrison, Via Turati 8, Milan, Italv
 MIGDAL, PHILIP (M'58), Sr. Electronics Engr., Convair,
 San Diego, Calif.
 MIGLIACCIO, ALBERT (S'56-M'58), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 MIGLIARO, BERNARD J. (A'56), Dir., Engrg., Microtech,

- Hughes Aircraft Co., Culver City, Calif.

 MIGLIARO, BERNARD J. (A'56), Dir., Engrg., Microtech, Inc., Hamden, Conn.

 MIGLICO, PERCY S. (A'52-M'57), Sr. Nuclear Engr., Convair, Ft. Worth, Tex.

 MIGLIORE, SALVATORE P. (S'56-M'59), Asst. Systems Engr., Sperry Gyroscope Co., Great Neck, L.1... N.Y.

 MIGLIORE, SALVATORE P. (S'56-M'59), Bestign Engr., Sperry Gyroscope Co., Great Neck, L.1... N.Y.

 MIGLORE, CARMINE (S'53-A'54), Prod. Design Engr., GE Co., Schenectady, N.Y.

 MIGNEAULT, ROBERT G. (M'59), Electronics Engr., Quality Evaluation Lah. Newmort. R.1.

 MIHAL, JOHN (A'56), Electronics Technician, Federal Telephone & Radio Co., 100 Kingsland Rd., Clifton. N.J.

 MIHALIK, JOHN J. (A'45-M'55), Electronics Engr., Motorola, Inc., 8201 E. McDowell, Phoenix, Ariz.

 MIHALIK, JOHN J. (A'45-M'55), Electronics Engr., Picatinny Arsenal, Dover, N.J.

 MIHRAN, THEODORE G. (S'43-A'51-SM'56), Research Assoc., GE Co., Schenectady, N.Y.

 MII, NOBUO (A'57), NHK Tech. Research Lab., 361 Kinuta-Machi, Setagoya-Ku, Tokyo, Japan.

 MILLER, HENRY S. (S'57-M'58), Research Engr., RCA Labs., Princeton, N.J.

 MIKA, JOHN I. (M'51), Dir., Ordnance Engrg. Dept., Avco Mfg., Corp., Crosley Div., 1329 Arlington St., Cincinnati, 25, Conn.

 MIKAELIAN, MONOOG N. (A'53-M'58), 137 Gertrude St., Svazurs a N. V.

- MIKAELIAN, MONOOG N. (A'53-M'58), 137 Gertrude

- MIKAELIAN, MONOOG N. (A¹53-M¹58), 137 Gertrude St., Syracuse 3, N.Y.

 MIKAMI, TATSUZO (M¹59), Asst. Prof., Kansai Univ., 2nd Naka Negara, Osaka, Japan.

 MIKE, JOHN G. (A¹51-M¹58), Project Engr., Consolidated Controls Corp., Bethel, Conn.

 MIKHAIL, SAAD L. (SM¹58), Asst. Prof., Elec. Engrg., Univ. of California, Berkeley 4, Calif.

 MIKI, SHICHIRO (A¹57), Chief, Television Research Sect., NHK Tech. Research Labs., 361 Kinuta-machi, Setagaya-ku. Tokyo, Japan.

 MIKKELSON, MALTER R. (S¹52-A¹53), Tech Writer, U.S. Army Signal Publications Agency, Ft. Monmouth, N.J.

 MIKKELSON, MELVIN E. (A¹53-M¹58), Designer, Douglas Aircraft Co., Inc., 3000 Ocean Park Bivd., Santa Monica, Calif.

 MIKOLAJCZYK. WALTER I. (S¹52-M157)
- Cair.

 MIKOLAJCZYK, WALTER J. (S'52-M'57), Electronics Engr., RCA, Camden, N.J.

 MIKOS, EDWARD J. (A'47-M'56), Project Engr., Stewart Warner Electronics Co., 1300 N. Kostner Ave., Chicago,

- III.

 MIKUCKIS, JOSEPH S. (A'57), Assoc. Engr., Martin Co.,
 Baltimore 3, Md.,

 MIKULEC, THEODORE E. (S'57-M'59), Design Engr.,
 Raytheon Mfg. Co., Waltham, Mass.

 MIKULSKI, JAMES J. (A'55), Staff Mem., MIT Lincoln Lab.,
 Lexington 73, Mass.

 MIKUMA TUMIO (SM'57), DIr., Tech. Dept., NHK, 2Chome Uchisaiwalcho, Chiyodaku, Tokyo, Japan.

 MIKUNSKY, CHARLES J. (S'52-A'53-M'58), Elec. Dev. Engr.,
 American Machine & Foundry Co., 11 Bruce PI., Greenwich,
 Conn.
- MILA DE LA ROCA, G. R. (S'57-M'59), Av. N. 8olet Peraza, Qta. Yolanda, Sta. Monica, Caracas, Venezuela. MILAM, RAYMOND W. (A'56), Rte. 11, 8ox 132, San
- Antonio, Tex.
 MILANO, UGO (4'57), Raytheon Mfg. Co., Research Div.,
 Waltham 54, Mass.
 MILAZZO, CIRO, JR. (S'53-M'55), Mem. Tech. Staff,
 GE Microwave Lab., Stanford Industrial Park, Palo Alto,
 Calif.
- MILAZZO, SALVATORE (M'47), Research Engr., Sperry Gyroscope Co., Inc., Great Neck, L.I., N.Y. MILBERGER, WALTER E. (M'54), Sr. Instrumentation Engr., Westinghouse Elec. Corp., 95 & Troost Sts., Kansas City, Mo.

- Engr., Westinghouse Elec. Corb., 79 a Thous as;, Kansas City, Mo. MILBORNE, HAROLD S. (M'57), Project Administrator-Pinetree Joint U. S./Cán. Oefense. Canadian Marconi Co., 2442 Trenton Ave., Montreal, P.Q., Canada. MILBRODT, PAUL E. (A'53), Sr. Engr., Avion Div., ACF Industries, Inc., 800 N. Pitt St., Alexandria, Va. MILBURN, DEAN L. (M'59), Sales Trainee, I8M, 800 Acoma, Denver 3, Colo. MILDY, BOOKER C. (M'53), Head, Preferred Standards Group, Hudnes Aircraft Co.. Box 2097, Fullerton, Calif. MILDICE, CHARLES W. (S'52-A'53-M'58), Electronics Engr., U.S. Naval Torpedo Sta., Keysport, Wash. MILDICE, JAMES W. (S'57-M'59), Assoc. Engr., Convair-Astronautics, Box 1128, San Diego, Calif. MILEK, HENRY (S'47-A'52-M'57), Electronics Engr., Flight Test, Bendix Aviation Corp., Plymouth Rd., Ann Arbor, Mich.

- MILENBACH, HERMANE (A'53-M'58), Engr., W.L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

 MILES, CHARLES W. (A'53-M'58), Field Mgr., IBM, 340 Market, San Francisco, Calif.

 MILES, FRANK A. (M'58), Sales Engr., Muirhead Instruments, Inc., 441 Lexington Ave., New York 17, N.Y.

 MILES, KELLY G. (M'54), Assoc. Prof., Physics, Evansville College, Evansville 4, Ind.

 MILES, PAUL D. (A'30-SM'44), Exec. Secy., Interdept. Radio Advisory Committee, Office of Civil & Defense Mobilization, Washington 25, D.C.

 MILES, REGINALD A. (M'58), Reliability Analysis Engr., RCA Service Co., Camden 8, N.J.

 MILES, ROBERT J. (S'56-M'58), Elec Engr., LMED, GE Co., Utica, N.Y.

 MILES, HEODORE J. (M'56-SM'50), Project Engr., Lansdale Tube Co. Div., Philoc Corp., Lansdale, Pa.

 MILES VICTOR J., JR. (S'55-M'57), 1st Lr., USAF, Communications Officer, Keesler AFB, Miss.

 MILES, VIVIAN G. (M'56), 308 Winters St., River Oaks, Ft. Worth, Tex.

 MILESON, DONALD F. (M'56), Operations Officer, VMF (AW)-542, 3rd Marine Air Wing, USMC Air Sta., El Toro, Calif.

- Calif.

 MILEWSKI, CHESTER A. (M'52), 'Mfrs' Rep., Sonotone Corp., Elmsford, N.Y.; Electro-Mechanics, Inc., New Britain, Conn.; Resitron Labs.; Goldsman, Henry Prods. Co.; Landers Fraryd Clark; Mohawk Business Machines; M.& S. Electronics, Box 185, Haddonfield, N.J. MILEWSKI, JOHN A. (S'56-A'57), Electronics Technician, Convair, Palmdale, Calif.

 MILFORD, FREDERICK J. (M'58), Asst. Prof., Dept. of Physics, Case Institute of Technology, Cleveland 6, Ohio. MILFORD, RICHARD E. (A'52-M'57), Engr., GE Co., Phoenix, Ariz.

 MILHAM, RUSSELL F., JR. (A'51-M'56), Design Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

- Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 MILIAS, EMMANUEL (S'54-M'57), Research Engr., Norton Co., New Bond St., Worcester, Mass.
 MILINOWSKI, AK IfMUR S., JR. (A'34-M'55), St. Engr., Perkin-Elmer Corp., Main Ave., Norwalk, Conn.
 MILKIE, ROBERT W. (A'53), Engr., RCA, Canden, N.J.
 MILKMAN, NORMAN (M'58), 244-17 61 Ave., Douglaston 62, L.I., N.Y.
 MILL, ARTHUR F. (A'55), Asst. Electronics Engr., Reading Co., Spring Garden Sta., Philadelphia 23, Pa.
 MILLAIN, WARREN G. (A'55), Owner, Millais Research Lab., 121 W. 72 St., New York 23, N.Y.
 MILLAN, ANTONIO (S'47-A'50-M'55), Prof., Escuela Tecnica Superior de Ingenieros de Telecommunicacion, Conde Penalver 19, Madrid, Spain.
 MILLAR, HUNTLY D. (M'54), Biophysicist, Baylor Medical College, 1200 M.D. Anderson Blvd., Houston 25, Tex.
 MILLAR, J. Z. (A'30-SM'45-F'56), Asst. V. P., Dev. & Research, Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- New York 13, N.Y.

 MILLAR, R. BRUCE (A'56), Supvr., Tech. Asst., Canadian Overseas Telecommunication Corp.; Home: 10 Prince St., Drummondville, P.Q., Canada.

 MILLAR, ROBERT I., JR. (M'56), Asst. Project Engr., Bendix Avration Corp., E. Joppa Rd., Towson 4, Md.

 MILLAR, WILLIAM M. (S'49-A'51-M'58), Dev. Engr., ITT Labs., Nutlev 10, N.J.

 MILLARD, ARTHUR M. (A'32-VA'39-SM'53), Retired, 1217 Whitney Ave., Hamden 17, Corn.

 MILLARD, JAMES W. (S'48-A'50-M'55), Sr. Engr., Prod. Engrg. Dept., ITT Labs., Clifton, N.J.

 MILLBRANTH, DONALD R. (S'57-A'58), TV Engr., USN, Natl. Naval Medical Center, TV Project Office, Bethesda 14, Md.

- MILLEN, JAMES (J'24-A'26-VA'39), James Millen Mfg. Co., Inc., 150 Exchange St., Malden, Mass. MILLEN, SYDNEY G. (A'47), Electronics Engr., MIT, Cambridge 39. Mass.
- bridge 39, Mass.
 MILLEN, THEODORE I. (A'42-M'45-SM'51), Chief Engr.,
 Philoc Corp. of Canada, Ltd., Don Mills Rd., Don Mills,
 Ont., Canada.
- MILLER, AARON A. (A'58), Electronics Technician, Diamond Ordnance Fuze Labs., Washington 25, D.C. MILLER, AARON H. (M'59), Aeronautical Research Engr., Army Rocket & Guided Missile Agency, Redstone Arsenal, Ala.
- MILLER, ALBERT E. (A'56), Technician, Missiles Prods. Div., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

- waxa, Ind.

 MILLER, ALBERT N. (S'48-A'50-M'58), Field Service
 Reo., GE Co., Syracuse, N.Y.

 MILLER, AMBROSE C. (A'34-VA'39-SM'48), Electronics
 Design Engr., Raytheon Mg. Co., Wayland, Mass.

 MILLER, ARCHIE R. (A'57), Asst. Engr., Bell Tel. Labs.,

 Burlington, N.C.

- Burlington, N.C.

 MILLER, ARCHIE T. (S'56-A'57), Tech. Writer, RCA Service Co., 838 N. Henry St., Alexandria, Va.

 MILLER, ARMIN (S'55-M'56), Resident Engr., Natl. Cash Register Co., Dayton, Ohio.

 MILLER, ARTHUR (A'43-M'55-SM'56), Research Dir., Sanborn Co., 175 Wyman St., Waltham 54, Mass.

 MILLER, ARTHUR F. (M'45), Communications Supt., The Atlantic Refining Co., 3144 Passyunk Ave., Philadelphia 45, Pa.
- 45, Pa.
 MILLER, ARTHUR G. (A'53), Assoc. Sect. Head, Genl. Precision Lab., Pleasantville, N.Y.
 MILLER, ARTHUR G. (A'59), Genl. Engrg. Dept., Chesapeake & Potomac Telephone Co. of Virginia, 703 E. Grace
 St., Richmond 19, Va.
- MILLER, BARRY (S'56-M'59), Engrg. News Specialist, Electronic News, Fairchild Publication, 7 E. 12 St., New York 3, N.Y.
- MILLER, BARRY M. (M'58), Research Engr., Goodyear Air-craft Corp., Akron, Ohio.
- craft Com., Akron, Ohio.

 MILLER, BERNARD C. (5'56-M'56), Engr., Norair Dis.,
 Northroo Aircraft, Inc., Hawthome, Calif.

 MILLER, BERNARD L. (A'54), Prof., Physics, St. Josephs
 College, 54 & City, Line, Philadelphia 31, Pa.

 MILLER, BERTRAM G. (M'52), Wing Cmdr., Directorate of
 Communications, RCAF Hgrs., Ottawa, Ont., Canada.

 MILLER, BETTRAND J. (SM'58), Zenith Radio Comp., 6001

 Dickens Ave., Chicago, III.

- MILLER, BURTON F. (J'24-A'26-SM'44-F'56), V.P., Advanced Systems Planning, Thompson-Ramo-Wooldridge, Inc., 5500 W. El Segundo Bivd., Los Angeles 45, Calif.

- vanced Systems Planning, Thompson-Ramo-Wooldridge, Inc., 5500 W. El Segundo Blud., Los Angeles 45, Calif.

 MILLER, C. E. (A'45). Chief Engr., Fisher's Television Co., 100 4 Ave. N. Seattle 9, Wash.

 MILLER, C. EDWARD, JR. (S'56-M'57), Engr., Raytheon M'q. Co., 6380 Hollister Ave., Goleta, Calif.

 MILLER, C. EDWARD, JR. (M'57), Physicist, Navy Mine Defense Lab., Panama City, Fla.

 MILLER, C. FRANK (A'41-M'49), Assoc. Prof., Elec. Engrg., The Johns Hopkins Univ., Baltimore 18, Md.

 MILLER, CARL F. (M'47-SM'48), Advisory Engr., Westinghouse Elec. Corp., Elmira, N.Y.

 MILLER, CARL F. (M'47-SM'48), Advisory Engr., Westinghouse Elec. Corp., Elmira, N.Y.

 MILLER, CARL H. JR. (S'56-M'58), Refrigerator & Electric Supply Co., 1222 Spring St., Little Rock, Ark.

 MILLER, CARL H. JR. (S'56-M'58), Refrigerator & Electric Corp., 410 Bush St., San Francisco 8, Calif.

 MILLER, CARROLL B. (A'56), Minustral Sales Mgr., Lew Bonn Co., 1211 La Salle Ave., Minneapolis 3, Minn.

 MILLER, CCRIL C. (M'57), Field Engr., Westem Electric Co., Chatham Rd., Winston-Salem, N.C.

 MILLER, CHARLES H. (S'55-M'49), Head, Engrg. Services, Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 MLLER, CHARLES H. (S'55-M'56), Officer, U.S. Amy, 1538 E. S.; Chicano 17, Ul. 1538

- MILLER, CHARLES H. (S'55-M'56), Officer, U.S. Army, 1638 E. 86 St., Chicago 17, III.
 MILLER, CHARLES J. (A'5B), Electronics Engr., Convair–Astronautics, San Diego 1, Calif.
- Astronautics, San Diego 1, Cálif.

 MILLER, CHARLES L., JR. (M'58), Radio Engr., FAA,
 Aeronautical Center, Will Rogers Field, Oklahoma City, Okla.

 MILLER, CHARLES M. (A'53-M'55), Branch Chief, USAF
 Security Service, Kelly AFB, Tex.

 MILLER, CHARLES N. (S'47-A'48-M'55), Elec. Engr.,
 3029 Nichols St., San Diego 6, Calif.

 MILLER, CHARLES N. (S'47-A'50-M'56), Sr. Engr.,
 Sperry Gyroscope, Great Neck, L.I., N.Y.

 MILLER, CHARLES N. (S'53-M'57), Sect. Chief, Interference Sect., Rome Air Development Center, USAF, Griffiss
 AFB, N.Y.

 MILLER, CHARLES V. (A'51-M'55), Chief Engr., Test Lab.

- AFB, N.Y.

 MILLER, CHARLES V. (A'51-M'55), Chief Engr., Test Lab.,
 Bendix Aviation Corp.. Box 1159, Kansas City 41, Mo.

 MILLER, CLARENCE M. (A'46-M'50), Electronics Supvr.,
 San Francisco Naval Shipyard, San Francisco, Calif.

 MILLER, CLIFFORD E. (A'48-M'55), Engr., Chrysler Corp.,
 Box 2628, Detroit 31, Mich.

 MILLER, CLIFFORD L. (A'46), Electronics Field Engr.,
 Federal Electric Corp., 621-671 Industrial Ave., Paramus,
 N.J.
- MILLER, COLEMAN J. (A'47-M'55-SM'57), Consulting Engr., Westinghouse Elec. Corp., Box 1897, Baltimon Engr.,
- MILLER, DAVID A. (M'57), Dev. Engr., Physiology & Phar-macology Depts., Albert Einstein College of Medicine, East-chester Rd., New York 61, N.Y.

- chester Rd., New York 61, N.Y.
 MILLER, DAVID A. (M'52), Staff Engr., Goodyear Aircraft
 Cop., 1210 Massillon Rd., Akron, Ohio.
 MILLER, DAVID C. (M'56), Tech. Dir., Phillips Electronics,
 Inc., 750 S. Fulton Ave., Mount Vernon, N.Y.
 MILLER, DAVID H. (S'56-M'58), Field Engr., Missiles,
 Hughes Aircraft Co., Culver City, Calif.
 MILLER, DAVID J. (S'51-A'53), Facilities Engrg., Boeing
 Airplane Co., 7755 E. Marginal Way, Seattle, Wash.
 MILLER, DEAN (M'58), Box FG-113, Salt Lake City 16,
 Utah.
 MILLER, DON C. (S'50-A'53), Day, Fnor, Naval Avience.
- MILLER, DON C. (S'50-A'53), Dev. Engr., Naval Avionics Facility, Indianapolis, Ind.
- MILLER, DONALD C. (S'55-M'58), Electronics Engr., Ben-dix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif
- MILLER, DONALD C. (S'57-M'5B), 2104 B Tennessee Circle, Loring AFB, Limestone, Me.
 MILLER, DONALD E. (S'54-M'56), 10973 Sampson Ave.,

- Lynwood, Calif.

 MILLER, DONALD E. (SM'58), Sect. Engr., Hughes Aircraft
 Co., Box 90515, Los Angeles 45, Calif.

 MILLER, DONALD H. (A'30-VA'39-M'55), New York District
 Mgr., Electronics, McGraw-Hill Publishing Co., Inc., 500
 5 Ave., New York 36, N,Y.

 MILLER, DONALD M. (A'37-M'46-SM'47), Exec. V.P.,

 Airborne Instrument Lab., Mineola, L.I., N,Y.
- MILLER, DONALD S. (S'54-A'56), Sr. Electronics Engr., Summers Gyroscope Co., 2500 Broadway, Santa Monica,
- MILLER, EARL A. (A'46-M'52-SM'54), Chief Engr., Motorola, Inc., 4501 W. Augusta Bivd., Chicago 51, III. MILLER, EARL W. (S'57-M'58), Assoc. Engr., IBM, Pough-keepsie, N.Y.
- MILLER, EARLE R. (A'56), Elec. Engr., Melpar, Inc., 3000 Arlinaton Blvd., Falls Church, Va. MILLER, EDWARD (M'57), Electronics Engr., RCA, Camden, 2, N.J.

- 2, N.J.

 MILLER, EDWARD A. (A'42-M'55), V.P., Engrg., Acme Electric Corp., Water St., Cuba, N.Y.

 MILLER, EDWARD F. (M'57), V.P., Technical Information Corp., 41 Union Sq., New York 3, N.Y.

 MILLER, EDWARD G., JR. (M'45-SM'53), Owner, Pres., Edward G., Miller, Jr., 510 Dartmouth Pl., S.E., Albuquerque, N.M.

 MILLER, EDWARD M. (A'47-3)
- MILLER, EDWARD M. (A'55), Electronics Engr., RCA, 11819 Olympic, Los Angeles 64, Calif. MILLER, EDWIN C. (A'48-M'55), Tech, Dir. & Secy-Treas., inland 8roadcast Co., Mgr., Ham-Lim Engrs., Box 791, Weiser, Idaho.
- Weiser, Idaho.

 MILLER, EDWIN H. (S'49-A'50-M'58), Leader, Memory Devices, RCA, Van Nuys, Calif.

 MILLER, ELLISON F. (S'49-A'50-M'55), Mem. Tech.

 Staff, The Ramo-Wooldridge Corp., 5730 Arbor Vitae, Los Angeles 45, Calif.

 MILLER, ELVIN W. (M'58), Chlef Engr., Southern Baptist Radio-TV Commission, 6248 Camp Bowie Blvd., Ft. Worth 16, Tex.
- MILLER, ELWIN C. (A'58), Sr. Tech. Operator, Calgary Power, Ltd., 140 1st Ave., N.W., Calgary, Alta., Canada. MILLER, ERNEST L. (S'49-A'50-M'56), Elec. Engr., Ad-miral Coro., 3800 Cortland St., Chicago 47, Ill. MILLER, ERNEST O. (M'53), Toll Supt., Ohio Bell Tel. Co., 820 W. Superior Ave., Cleveland 13, Ohio.

- MILLER, ERNEST W. (M'5B), Pres. & Genl. Mgr., Comwall Television Co., 35 2nd St., E., Comwall, Ont., Canada. MILLER, EUGENE H. (A'59), Electronics Engr., Wright Air Development Center, Wright-Paterson AFB, Ohio. MILLER, FLOYD V. (S'56-M'58), Electronics Engr., Remington Rand Univac, St. Paul 16, Minn. MILLER, FRANK G. (S'43-A'45-M'55-SM'58), Head, Tucson Engrg. Lab., Hughes Aircraft Co., 17 & Park, Tucson, Ariz.

- MILLER, FRED B. (A'53), Electronics Engr., USN, Taylor Model Basin, Carderock, Md.
- Model Basin, Carderock, Md.
 MILLER, FRED E. (A'43-M'46-SM'53), Sr. Engr., The
 Pacific Telephone & Telegraph Co., 509 S.W. Oak St.,
 Portland 4, Ore.
 MILLER, FRED P. (A'50-M'55-SM'56), Electronics Scientist, USAF, Hars., Air Research & Development Center,
 Andrews AFB, Washington 25, D.C.
- MILLER, GEOFFREY A. (S'33-A'42-SM'49), Sr. Research Officer, Natl. Research Council, 100 Sussex Dr., Ottawa, Ont., Canada.
- MILLER, GEORGE (A'45), Pres. & Chief Engr., Vidaire Electronics Mfq. Corp., 44 Church St., Baldwin, L.I., N.Y. MILLER, GEORGE F. (S'55-M'58), Elec. Engr., RCA, Camden, N.J.
- Camden, N.J.

 MILLER, GEORGE J. (A'51-M'56), Staff Engr., Lockheed
 Missile Systems Div., 7701 Woodley Ave., Van Nuys, Calif.

 MILLER, GEORGE L. (A'51-M'56), Supvr., Elec. Engrg.,
 Armament Div., Universal Match Corp., 472 Paul Ave.,
 Ferguson 21, Mo.

- Ferguson 21, Mo.

 MILLER, GEORGE W., JR. (S'56-M'58), Design Engr.,
 Signal Missile Support Agency, Missile Geophysics, White
 Sands Missile Range, N. M.
 MILLER, GERALD B. (A'38-VA'39), Pres., Gerald B. Miller
 Co., 1550 N. Highland Ave., Hollywood 28, Calif.

 MILLER, GERALD K. (A'38-SM'46), Asst. to Head, Research, Schlumberger Wells Surveying Corp., Ridgefield,
 Conn.
- Conn.

 MILLER, GILBERT E. (A'55), Mirs. Rep., Gilbert E. Miller Associates, 47 Birchwood Park Dr., Jericho. L.I., N.Y.

 MILLER, GLEN E. (S'49-A'51-M'56), Engr., Research, Boeing Almylane Co., Seattle, Wash.

 MILLER, GORDDN L. (A'53-M'58), DIV. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 MILLER, HAROLD E. (A'51), Field Engr., Stavid Engrg., Inc., Ric. 22, Plainfield, N.J.

 MILLER, HAROLD M. (A'41-SM'58), Administrative Engr., Audio-Video Group, NBC, 30 Rockefeller Plaza, New York 20, N.Y.

- 2U, N.Y. MILLER, HAROLD N. (M'56), V.P., Engrg., Associated Research, Inc., 3758 W. Belmont Ave., Chicago 18, III. MILLER, HARRIS J. (S'52-M'57), Electronics Research Engr., Addressograph-Multigraph Corp., 1200 Babbit Rd., Cleveland 17, Ohio.

- Engr., Addressograph-Muttigraph Corp., 120U Babbitt Rd., Cleveland 17, Ohio.

 MILLER, HARRY G. (4'45-M'51-SM'56), Special Projects Radio Engr., ATST Co., 195 Broadway, New York 7, N.Y.

 MILLER, HARRY J., JR. (S'53-M'57), Asst. Engr., New York Telephone Co., 108 W. Fayette, Syracuse 2, N.Y.

 MILLER, HARVEY (A'59), Components Engr., Burroughs Corp., Pilymouth, Mich.

 MILLER, HARVEY A. (S'44-A'50-M'55-SM'50), Mgr., Computer Dev., Raytheon Mfg. Co., Wayland, Mass.

 MILLER, HENRY J., (M'32-SM'43), Consulting Physicist, Electron Tubes Processing Lab., Box 35, South Orange, N.J.

 MILLER, HENRY T., JR. (S'53-A'55), Elec. Engr., GE Co., 600 Main St., Johnson City, N.Y.

 MILLER, HENRY W., M'59), Sales Engr., Federal Electric Corp., Paramus, N.J.

 MILLER, HERBERT E. (M'57), Tech. Asst. to Engrg. Dir., Lab. for Electronics, 75 Pitts St., Boston, Mass.

 MILLER, HERBERT E. (S'56-M'58), Mfg. Training Program, GE Co., Schenectady, N.Y.

 MILLER, HERBERMAN M. (S'49-A'50-M'55), Project Research Staff, Princeton Univ., Project Matterhom, Box 451, Princeton, N.J.

 MILLER, HERMAN M. (S'155-M'58), Asst. Engr., Texas

- MILLER, HERMAN M. (S'55-M'58), Asst. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex. MILLER, HERMAN P., JR. (M'40-SM'43), Sr. Project Engr., ITT Labs., Nutley 10, N.J.
- MILLER, HERMAN P., III (M'57), Geni. Mgr., San Jose Avionics Co., San Jose Municipal Airport, San Jose, Calif.
- MILLER, HOLMES C. (A'30-VA'39-M'55), 280 W. Portola Ave., Los Altos, Calif.
 MILLER, HORACE G. (A'30-M'33-SM'43), Research Engr., Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.
- MILLER, IVAN S. (M'55), Deputy Chief, Air Defense Systems Branch, Installation Div., GEEIA Region, Tinker AFB, Oklahoma City, Okla.

- Uklanoma City, Ukla.

 MILLER, J., PURNELL (A'26-VA'39), Coli Engr., RCA, Camden, N.J.

 MILLER, J., SAM (S'58-M'59), Electronics Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 MILLER, JACK O. (A'54), Sales Rep., Hawkins Electric Co., 1447 Washington Blwd., Chicago 7, III.

 MILLER, JAMES C. (A'58), Jr. Engr., Philoc Corp., 3875 Fabian Way, Palo Alto, Calif.

 MILLER, JAMES C. (M'59), Research Engr., RCA Labs., Princeton, N.J.
- Princeton, N.J.

 MILLER, JAMES F. (M'57), Group Leader, Weapon
 System Analysis, No. Amer. Aviation, Downey, Calif.

 MILLER, JAMES H. (S'47-A'49-M'54), Engr., Specialist,
 Goodyear Aircraft Corp., Akron 15, Ohio.

 MILLER, JAMES M. (SM'57), Genl. Mgr., Amold Design &
 Engr. Co., 5411 W. Diversey, Chicago 39, III.
- Engrg. Co., 5411 W. Diversey, Chicago 39, 111.
 MILLER, JAMES R. (S'57-M'57), Engr., Collins Radio
 Co., Cedar Rapids, Jowa.
 MILLER, JAMES R. (A'53), Sr. Project Engr., AC Spark
 Plug Div., Milwaukee 1, Wis.
 MILLER, JAMES S. (S'55-M'56), 29 Corcoran Rd.,
 Burlington, Mass.

- Burlington, Mass.

 MILLER, JAMES W. (M'46-SM'52), Research Assoc., Pan
 American Petroleum Corp., Research Center, Box 591,
 Tulsa 2, Okla.

 MILLER, JAMES W. (S'55-M'57), Engr., Union Carbide
 Nuclear Corp., Box Y, Oak Ridge, Tenn.

 MILLER, JESSE L. (M'48), Electronics Engr., Army Combat
 Surveillance Agency, 1124 N. Highland St., Arlington 1, Va.

- MILLER, JESSE L., JR. (M'58), Assoc. Electronics Engr., Emerson Research Labs., 1140 East-West Hwy., Silver Spring, Md.
- MILLER, JOHN A. (S'56-M'58), Research Engr., Lockheed Aircraft Co., Burbank, Calif.

- All Crart Co., Burbank, Calli.

 MILLER, JOHN A. (S'56-M'59), 301 B Princeton Rd.,
 Haddonfield, N.J.

 MILLER, JOHN B. (S'47-A'49-M'55), Asst. Prof., Univ.
 of Wisconsin, Madison, Wis.

 MILLER, JOHN C. (S'51-A'52-M'57), Head, Test Equipment Group, Hughes Aircraft Co., Box 390, Holloman
 AFB, N.M.
- MILLER, JOHN E. (M'59), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C. MILLER, JOHN E. (M'5B), 302 Aberdeen Ave., Dayton 19,

- MILLER, JOHN H. (A'19-M'25-SM'43-F'50XL), Retired, Ohio.

 MILLER, JOHN H. (A'19-M'25-SM'43-F'50XL), Retired, Consultant to Weston Instruments Div., Daystrom, Inc., Newark 12, N. J.

 MILLER, JOHN H. (S'55-M'59), Capt., USMC, NOTS, Guided Missile Test Unit, China Lake, Callf.

 MILLER, JOHN J., JR. (S'56-M'57), Research Engr., Boeing Alfraiane Co., Seattle, Wash.

 MILLER, JOHN M. (A'17-F'20XL), Retired, 2301 N. E. 2nd St., Pompano Beach, Fla.

 MILLER, JOHN M., JR. (A'41-SM'52), Dir., Engrg., Bendix Missile Div., 400 S. Beiger St., Mishawaka, Ind.

 MILLER, JOHN W., (S'51-A'52-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MILLER, JOHN WALL. (S'39-A'41-M'55), Electronics Engr., Suovr., Test Equipment Design Unit, Electronics Div., Bureau of Ships, Navy Deot., Washington 25, D.C.

 MILLER, JOSEPH W. (A'49-M'51-SM'57), Project Mgr., Page Communications Engrs., Inc., 710 14 St., N. W., Washington 5, D.C.

 MILLER, KASSEL K. (M'47), Branch Head, Submarine

- Washington J. U.C.
 MILLER, KASSEL K. (M'47), Branch Head, Submarine
 Radlo Com. Branch, USN Underwater Sound Lab., New
 London, Conn.
 MILLER, KEITH W. (S'57-M'59), Elec. Engr., Dake Corp.,
 Robbins Rd., Grand Haven, Mich.

- Robbins Rd., Grand Haven, Mich.
 MILLER, KENNETHE. (M'56), Field Engr., Schlumberger
 Well Surveying Corp., Box 2175, Houston, Tex.
 MILLER, KENNETH E. (S'53-M'577), Dev. Engr., HewlettPackard Co., 275 Page Mill Rd., Palo Alto, Cailf.
 MILLER, KENNETH L. (A'58), Patent Atty., Burroughs
 Corp., 6071 2nd Ave., Detroit 32, Mich.
 MILLER, KENNETH M. (SM'54), Genl. Mgr., LearCal
 Div., LEAR, Inc., 3171 S. Bundy Dr., Santa Monica,
 Cailf.
- MILLER, KENNETH S. (A'47-M'52-SM'57), Assoc. Prof., Mathematics, New York Univ., University Heights, New York 53, N.Y.
- New York 53, N.Y.

 MILLER, KENNETH W. (S'42-A'43-M'54), Mgr., Patent
 Dept.. The Ohio Brass Co., Mansfield, Ohio.

 MILLER, LABRON W. (S'44-A'46), Genl. Mgr., The W. R.
 Stamler Corp., 6 & Trigo Sts., Millersburg, Ky.

 MILLER, LAWRENCE W., JR. (M'56), Electronic Scientist,
 Natl. Bure au of Standards, Boulder, Colo.

 MILLER, LEE F. (A'55), Instrumentation Engr., Ft.
 Detrick, Frederick, Md.

- Detrick, Prederick, Mo.
 MILLER, LEES. (A'54), Sr. Staff Engr., Sperry Microwave
 Electronics Co., Box 1828, Clearwater, Fia.
 MILLER, LEON (SM'50), Chief Jamming & Deception Branch,
 Counter-Measures Div., U. S. Signal Engrg. Labs., Ft.
 Monmouth, N.J.
- MILLER, LEON A. (A'47-M'55), Design Engr., Martin Co., Middle River, Md.
- Middle River, Md.

 MILLER, LEONARD K. (A'58), Assoc. Dev. Engr.,
 Burroughs Corp., Swedesford Rd., Paoll, Pa.

 MILLER, LEROY E. (A'54), Electronics Techniclan, Wiley
 Electronics Co., 2045 W. Cheryle Dr., Phoenix, Ariz.

 MILLER, LEWIS E. (SM'58), Marion & Vine Sts.,
 Laureldale, Pa.
- Laureldale, Pa. MILLER, LLOYD B. (A'55), Computer Design Engr., Control Data Corp., 501 Park Ave., Minneapolis, Minn. MILLER, LOUIS D. (S'52-A'53-M'5B), Engr., RCA, New Holland Pike, Lancaster, Pa.

- MILLER, MARTIN L. (A'57), Space Technology Labs., Box 95001, Los Angeles 45, Calif.
 MILLER, MARTIN L. (A'57), Space Technology Labs., Box 95001, Los Angeles 45, Calif.
 MILLER, MARTIN P. (S'48-A'51-M'56), Dev. Engr., American Bosch Arma Coro., Garden City, L.I., N.Y.
 MILLER, MARTIN P. (G'48-A'51-M'56), Dev. Engr., American Bosch Arma Coro., Garden City, L.I., N.Y.
 MILLER, MARTIN P. (A'56), Toll Maint. Supvr., Genl. Telephone Co., 610 Morgan St., Tampa, Fla.
 MILLER, MARVIN (S'49-A'50-M'55), Electronics Engr., U. S. Govt., Philadelphia Naval Shipyard, Philadelphia, Pa.
 MILLER, MARVIN (S'49-A'50-M'55), Electronics Engr., Rep., The Kennematt Co., 14637 Bessemer St. Van Nuys, Calif.
 MILLER, MELVIN M. (A'54-M'54), Engr., Editor, Jackson & Moreland, 600 Park Sq. Ildq., Boston, Mass.
 MILLER, MERTON R. (M'57), Research Specialist, Lockheed Missile Systems Div., Sunnyvale, Calif.
 MILLER, MILTON H. (A'57), Sales Engr., H. L. Hoffman & Co., 35 Old Country Rd., Westbury, L.I., N.Y.
 MILLER, MONROE A. (S'M'54), Pres., Milgo Electronic Coro., 7601 N.W. 37 Ave., Miami 47, Fla.
 MILLER, MURRAY (A'50-M'55), Chief, Remote Surveillance Sect., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- Monmouth, N.J.
 MILLER, MURRAY H. (S'49-A'50-M'55), Asst. Prof.,
 Elec. Engro. , Univ. of Michigan, Ann Arbor, Mich.
 MILLER, NORMAN 8, (5'45-A'49-M'54), Research
 Assoc., Pennsylvania State Univ., Ordnance Research Assoc., Pennsylvania State Lab., University Park, Pa
- MILLER, NORMAN D. (\$'45-A'49-M'54-SM'58), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
- 9, Tex.
 MILLER, OLIVER R. (S'52-A'53-M'57), Engr.-in-Chg.,
 Western Electric Co., 204 N. Graham & Hopedale Rd.,
 Burlington, N.
 MILLER, PAUL G. (S'48-A'49-M'55), Engr., Daystrom
 Systems Div., La Jolla, Calli.
 MILLER, PAUL M. (M'56), Electronics Engr., Olmstead
 AFB, Middletown, Pa.
 MILLER, PETER T. (M'55), Sr., Engr., Chrysler Missile
 Operations, Box 2628, Detroit 31, Mich.

- Oberations, Job. (S'51-M'58), 109 Sequoia,
 Oak Ridge, Tenn.
 MILLER, RALPH H., JR. (S'39-A'42-M'48-SM'54),
 Electronic Scientist, Navy Electronics Lab., San Diego 52,
 Calif.

- 299 -MIL-MIN

- **LER, RALPH M. (A'5B), Div. Radio Engr., Appalachian Electric Power Co., 1122 7 Ave., Huntington, W. Va. MILLER, RALPH W. (S'57-M'59), Design Engr., Magnavox Co., 2131 Beuter Rd., Ft. Wayne, Ind. MILLER, RAYMOND B. (M'56), Elec. Engr., Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind.

- Div., 400 S. Beiger St., Mishawaka, Ind.

 MILLER, RAYMOND D. (S'56-M'5B), Elec. Engr., Bendix
 Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 MILLER, RAYMOND E. (S'54-M'5B), Staff Engr., IBM,
 Yorktown Heights, N., Y.

 MILLER, RICHARD A. (S'56-M'57), Assoc., Engr., Systems
 Evaluation, Sperry Gyroscope Co., Great Neck, L.I.N., Y.

 MILLER, RICHARD C. (S'49-A'51-M'5B), Project Engr.,
 Process Dev., GMC, Box 12B, Detroit 2, Mich.

 MILLER, RICHARD D. (S'55-A'56), Aerophysics Engr.,
 Convair, Ft. Worlt 6, Tex.

 MILLER, RICHARD B. (S'54-M'56), Field Engr., Hughes

- Convair, Ft. Worth 6, Tex.

 MILLER, RICHARD E. (S'54-M'56), Field Engr., Hughes Aircraft Co., Culver City, Calif.

 MILLER RICHARD F. (S'56-M'5B), Project Engr., John I. Thompson & Co., 222 W. High St., Belleforte, Pa. MILLER, RICHARD L. (A'55), Elec. Design Engr., Transistor Radios, GE Co., Utica, N. Y.

 MILLER, ROBERT (S'49-A'50-M'55), Electronics Engr., RCA, Moorestown, N.J.

 MILLER, ROBERT A. (A'36-M'55), Audio Facilities Engr., Bell Tel. Labs., Murray HIII, N.J.

 MILLER, ROBERT A. (M'49), Research Group Leader, Monsanto Chemical Co., Lindbergh & Olive St., St. Louis 24, Mo.

 MILLER, ROBERTA A. (M'457). Mathematicine. Stanfard.

- MILLER, ROBERT A. (M'57), Mathematician, Stanford Research Institute, B2O Mission St., South Pasadena, Calif. MILLER, ROBERT C. (S'42-A'43-M'47-SM'52), Supvr., Prod. Engrs., Sylvania Elec. Prods., Inc., Burlington, Iowa. MILLER, ROBERT D. (S'54-A'55-M'59), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont St., Anaheim, Calif.

- Anaheim, Lain.
 MILLER, ROBERT E. (S'43-A'46-M'55), V.P., Strand
 Engry. Co., 1354 N. Main St., Ann Arbor, Mich.
 MILLER, ROBERT E. (A'45-M'55), Mgr., Reconnaissance
 Systems, Engry. Dept., Melpar, Inc., 3000 Arlington
 Blvd., Falls Church, Va.
- Blvd., Falls Church, Va.

 MILLER, ROBERT E. (S'46-A'49-M'53-SM'55), Group
 Supvr., System Techniques Sect., Stanford Electronics
 Labs., Stanford Univ., Stanford, Calif.
 MILLER, ROBERT F. (A'43-M'55), Research Scientist,
 B. F. Goodrich Co., Research Center, Brecksville, Ohio.
 MILLER, ROBERT F. (S'56-M'58), Research Engr.,
 Semiconductor Group, Delco Radio Div., GMC, 700 E.
 Firmin, Kokomo, Ind.

 MILLER, ROBERT H. (S'48-A'50-M'55), V.P., PolyScientific Corp., Box 118, Blacksburg, Va.
 MILLER, ROBERT J. (S'48-A'50-M'55-SM'59), Mem.
 Tech. Staff, Hughes Aircraft Co., Box 11337, Tucson,
 Ariz.

- MILLER, ROBERT J. (S'48-A'50-M'53-SM'59), Mem. Tech. Staff, Hughes Aircraft Co., Box 11337, Tucson, Ariz.

 MILLER, ROBERT J. (S'48-A'50-M'55), Design Engr., Dalmo Victor Co., 1515 Industrial Way, Belmont, Calif.

 MILLER, ROBERT J. (S'56-M'58), Assoc, Engr., Minneapolis-Honeywell Requilator Co., St. Petersburg. Fla

 MILLER, ROBERT L. (S'48-A'49-M'55), Sr. Design Engr., Minneapolis-Honeywell Regulator Co., Wayne & Roberts Ares., Philadelphia 44, Pa.

 MILLER, ROBERT L. (A'54), Lead Engr., Northron Aircraft, Inc., Box 4157, Patrick AFB, Fla.

 MILLER, ROBERT W. (A'55), Pres., Radiocall Service, Ltd., 540 Ward Ave., Honolulu 14, Hawaii.

 MILLER, ROBERT W. (M'57), Staff Supr., ATET Co., 138 E. Court St., Cincinnati 2, Ohio.

 MILLER, SIMON S. (M'49), Mgr. & Treas., Forest Home Supplies, Inc., 647 Forest Ave., Staten (sland 10), N.Y.

 MILLER, STENHEN W. (S'49-A'50-M'56), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 MILLER, STEWART E. (M'46-SM'53-F'58), Dir., Guided Wave Research Institute, Menlo Park, Calif.

 MILLER, STEWART E. (M'46-SM'53-F'58), Dir., Guided Wave Research, Bell Tel. Labs., Box 107, Red Bank, N.J.

 MILLER, STEWART E. (M'46-SM'53-F'58), Dir., Guided Wave Research, Bell Tel. Labs., Box 107, Red Bank, N.J.

 MILLER, THEODORE (M'54), Mem. Tech. Staff, The Ramo-Wooldridge Corp. Hawthome, Calif.

 MILLER, THEODORE A. (A'52-M'57), Electronics Research Engr., Lockheed Missile & Space Div., Sunnyvale, Calif.

 MILLER, THOMAS M. (S'58-M'59), Elect. Engr., E.I. Du-Pont de Nemours & Co., Experimental Sta., Wilmington, Del. MILLER, THOMAS M. (S'58-M'59), Elect. Engr., E.I. Du-Pont de Nemours & Co., Experimental Sta., Wilmington, Del. MILLER, THOMAS M. (S'58-M'59), Elect. Engr., E.I. Du-Pont de Nemours & Co., Surerimental Sta., Wilmington, Del. MILLER, TYENDN F. (A'66), Service & Sales Engr., Haw-thorne Electronics, 700 S.E. Hawthome, Portland 14, Ore.

- York 19, N.Y.

 MILLER, VERNON F. (A'46), Service & Sales Engr., Hawthorne Electronics, 700 S.E. Hawthorne, Portland 14, Ore.

 MILLER, VERNON L. (A'52-M'57), Chief, Electronics Trajectory Systems Branch, Range Instrumentation Development
 Div., White Sands Proving Ground, N.M.

- Div., White Sands Proving Ground, N.M.

 MILLER, VIRGIL D. (S'57-M'58), Instr., Elec. Engrg.,
 North Dâkota State, Fargo, N.D.

 MILLER, WADE M. (A'37-VA'39), Bell Tel. Co. of Pennsylvania, 416 7 Ave., Pittsburgh 19, Pa.

 MILLER, WALLACE A. (A'56), Instrument Technician, Collery Chemical Co., Chandler Rd., Muskogee, Okla.

 MILLER, WALTER F. (A'47-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 MILLER, WARREN W. (S'53-A'54), Electronics Engr., Goodvear Aircraft. Massillon Rd., Akron, Ohio.

 MILLER, WAYNE B. (S'56-A'57), Engr., Hilltop Broadcasting Co., WTVH-TV, Peorla, Ill.

 MILLER, WAYNE B. (8'56-M'57), Engr., Martin Co., Baltimore 3, Md.

 MILLER, WILBUR (K'52-M'57). Group Leader. RCA. Camden

- MILLER, WILBUR (A'52-M'57), Group Leader, RCA, Camden 2, N.J.
- Z., N.J.
 MILLER, WILLIAM A. (S'48-A'49-M'55), Electronics Engr.
 U.S., Naval Air Missile Test Center, Point Mugu, Calif.
 MILLER, WILLIAM A. (SM'57), Staff Engr., The Pacific
 Telephone & Telegraph Cn., 740 S. Olive St., Los Angeles
- MILLER, WILLIAM A. (S'50-A'51), Research Investigator, Institute for Cooperative Research, Univ. of Pennsylvania, Philadelphia 4, Pa.
- MILLER, WILLIAM B. (M'52-SM'57), Supvr., Instrumentation. Hughes Aircraft Co., Culver City. Calif.

- MILLER, WILLIAM B., JR. (A'54-SM'56), Electronics Consultant, Emory Univ., Atlanta 22, Ga.

 MILLER, WILLIAM C. (S'49-A'50-M'55), Staff Engr., IBM, Endicott. N.Y.

 MILLER, WILLIAM E. (A'50), Electronics Engr., FAA, Tech. Development Center, Box 5767, Indianapolis 21, Ind.

 MILLER, WILLIAM E., JR. (A'52-SM'56), Asst. Dir., Range Instrumentation Development Div., White Sands Missile Range, N.M.

 MILLER, WILLIAM F. (S'5B-A'59), Electronics Technician, Hewlett-Packard Co., Palo Alto. Calif.

 MILLER, WILLIAM G., JR. (M'58), Patent Agent, Remington Rand Univac, 2240 N. Broad St., Philadelphia, Pa.

 MILLER, WILLIAM J. (A'5B), Salesman, Electronic Components, The Perry Shankle Co., 1801 S. Flores, San Antonio, Tex.

 MILLER, WILLIAM R. (A'5B), Plant Accountant Coordinator,
- MILLER, WILLIAM R. (A'5B), Plant Accountant Coordinator, Public Service Co. of New Mexico, Box 1360, Albuquerque, N. M.

- N.M.

 MILLET, JOHN F. (S¹55-A¹57), Tech. Writer, GE Co.,

 Utica, N.Y.

 MILLET, MURRAY R. (M¹56), 270 Prince Frederick St.,

 King of Prussia, Pa.

 MILLETT, LEWIS F. (M¹44), Head, Radar Dev. Dept., Bendix Aviation Corp., Research Labs. Div., 10 1/2 Mile Rd. &

 Northwestern Hwy., Southfield Township, Mich.

 MILLETT, RICHARD G. (A¹53-M¹58), Sales Engr., Westinghouse Elec. Corp., Elmira, N.Y.

 MILLETM, ROBB L. (M¹51-SM¹5B), Transmitter Engr., GE

 Co., Syracuse, N.Y.

 MILLICAN FRANCIS M. (M¹56). Head. Radomes Group, Zone.

- MILLHAM, ROBB L. (M. 51-5M 5B), Iransmitter Engr., DE. Co., Syracuse, N.Y.

 MILLICAN, FRANCIS M. (M. 66), Head, Radomes Group, Zone 6-15B, Corwair, Box 1950, San Diego 12. Calif.

 MILLICKER, DANIEL J. (A. 56), Test Equipment Design Engr. IBM, Poughkeepsie, N.Y.

 MILLIES, FREDERICK G. (M. 55), Electronics Engr., Researc Analyst, U. S., Govt., Washington, D.C.

 MILLICAN, HARRY I. (M. 57), Sr., Training Specialist, Autonetics Div., No., Amer. Aviation, Downey, Calif.

 MILLIKEN, EDGAR N. (S. 50-A. 55), Project Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 MILLIKEN, MAURICE P. (M. 59), Asst. Prof., Elec. Engr., Pennsylvania State Univ., University Park., Pa.

 MILLION, JOHN W., JR. (M. 27-SM 45), Sr. Electronics Engr., Kirk Engro. Co., Bankers Securities Bidg., Philadelphia, Pa.

 MILLION, THOMAS E. (S. 52-A. 54), Computer Engr., McDonnell Aircraft Corp., Lambert-St., Louis Municipal Airport, Robertson, Mo.

 MILLIRON, JOHN R. (M. 56), Project Engr., Wright Air Devel-

- MILLION, THOMAS E. (S'52-A'54), Computer Engr., McDonnell Aircraft Corp., Lambert-St. Louis Municipal Airport, Robertson, Mo.

 MILLIRON, JOHN R. (M'56), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 MILLIS, EDWIN G. (A'53-M'58), Project Engr., Texas Instruments, Inc., Box 60/27, Houston, Tex.

 MILLIS, WALTER T. (SM'50), Sr. Consulting Engr., GE Co., 9 St., Owensboro, Ky.

 MILLMAN, GEORGE H. (SM'53), Specialist, System Analyst, GE Co., Syracuse, N.Y.

 MILLMAN, JACOB (A'41-SM'49-F'58), Prof., Elec. Engrg., Columbia Univ., 116 & Broadway, New York, N.Y.

 MILLMAN, SIDNEY (A'48-SM'48-F'59), Dir., Physicai Research, Bell Tel. Labs., Murray Hill, N.J.

 MILLS, ALBERT L., JR. (M'54), Project Engr., Sylvania Elec. Prods., Inc., Waitham 54, Mass.

 MILLS, ALLEN J. (S'58-M'59), Field Engr., Chrysler Corp., Box 2628, Detroit 31, Mich.

 MILLS, BURTON E. (SM'54), Electronic Scientist, USAF, Wright-Patterson AFB, Ohio.

 MILLS, CHARLES A. (A'40-M'49), Elec. Engr., American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn.

 MILLS, CHARLES W. (A'48-M'55), Electronic Engr., Cryovac Co., Div., W. R., Grace & Co., Simpsonville, S.C.

 MILLS, CHORLES W. (A'46), Transmitter Engr., WJR, The Coodwill Sta., Inc., Re. 1, Myandotte, Mich.

 MILLS, GEORGE L. (A'65), Transmitter Engr., Sandia Corp., Sandia Base, Albucurerule, N.M.

 MILLS, HAROLD J. (S'49-A'50-M'55), Dev. Engr., ITT Labs., Nutley 10, N.J.

- MILLS, HAROLD J. (S'49-A'50-M'55), Dev. Engr., ITT Labs., Nutley 10, N.J. MILLS, HARRY J. (A'37-VA'39-M'54), Mgr., Army Non-Military Services, RCA Service Co., Camden B, N.J.
- NILLS, JAMES C. (M'59), 2035 Chilton Ave., Las Cruces, N.M.

- N.M.
 MILLS, JAMES J. (A'5B), Elec. Design Engr., Airborne
 Instrument Lab., Mineola, L.I., N.Y.
 MILLS, JAMES J. (M'57), Group Supvr., Lockheed Missile
 & Space Div., Box 504, Sunnyvale, Calif.
 MILLS, JOHN B. (S'51-A'52-M'57), Components Engr., GE
 Co., Utica, N.Y.
 MILLS LAWEENCE W. (SIS3-AISE) S. Electropics Engr.

- MILLS, MORRIS H. (A'44-SM'51), V.P., Eastern Operations Harzell Associates, Inc., 910 Sunset Blivd., Los Angeles 46, Calif.

 MILLS, MAURICE E. (M'55), Dev. Engr., Recordings, Inc., 735 Deepdene, Baltimore 10, Md.

 MILLS, MAURICE E. (M'55), Dev. Engr., Stanford Research Institute, Menio Park, Calif.

 MILLS, MORRIS H. (A'44-SM'51), V.P., Eastern Operations Harzell Associates, Inc., 9110 Sunset Blvd., Los Angeles 46, Calif.

 MILLS NORMAN B. (A'65 AMS)
- MILLS, NORMAN B. (A'50-M'56), Frequency Engr., RCA Frequency Bureau, 60 Broad St., New York 4, N.Y. MILLS, NORMAN W. (S'52-A'53-M'58), Communications Design Engr., Associated Engrs., Inc., 1127 Alderson Ave., Billings, Mont.
- sign Engr., Associated Engrs., Inc., 1127 Alderson Ave., Billings, Mont.

 MILLS, ROBERT L. (M'50), Pres. & Treas., Summers & Mills, Inc., 911 W. Commerce St., Dalfas B, Tex.

 MILLS, ROBERT L. (S'57-4/5B), Electronics Technician, Naval Research Lab., Washington, D.C.

 MILLS, RODNEY A. (M'56), Engro. Design Specialist, No. Amer. Aviation. Internatl. Airport, Los Angeles 45, Calif.

 MILLS, RUSSELL J. (A'53), Box 4, Harper Sta., Detroit 13, Mich.

 MILLS RUSSELL J. (A'53), Box 4, Harper Sta., Detroit 13, Mich.
- 13, Mich.

 MILLS, RUSSEL W. (A'47-M'54), Sr. Engr., Magnavox Co.,
 Beuter Rd., Ft. Wayne, Ind.

 MILLS, THOMAS L. (S'40-A'44-M'55), Engr., Computer
 Dept., GE Co., 13430 N. Black Canyon Hwy., Phoenix,
 Ariz.

- MILLS, WILLIAM N. (S'56-M'57), Instrumentation Engr., Convair-Astronautics, San Diego, Calif. MILLSTONE, SIDNEY D. (A'47-M'55), Engrg. Specialist-Research, No. Amer. Aviation, Internati. Airport, Los Angeles
- 45, Calif.

 MILLUNZI, PETER T. (A'55), Project Engr., P.R. Mallory & Co., Inc., Vibrator Div., Duduoin, III.

 MILLWARD, M. (M'56), Chief Instrumentation Engr., Airto-Air, De Havilland Propellers, Ltd., Manor Rd., Hatfield, Herts., England.

- MILLWARD, M. A. (M'56), Chief Instrumentation Engr., Airto-Air, De Havilland Propellers, Ltd., Manor Rd., Hatfield, Herts., England.

 MILNE, ALEXANDER F. (S'155-A'57), Customer Services Engr., Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal, P. Q., Canada.

 MILNE, ALLEN R. (S'49-A'50-S'52-A'54-M'56), Research Physicist, Pacific Naval Lab., H. M. C. Dockyard, Esquimalt, B. C., Canada.

 MILNER, CARL M. (A'47-M'48), Asst. to Pres., Thomas A. Edison, Inc., West Orange, N.J.

 MILNER, JOHN J. (A'53), Lab. Technician, Cornell Dubilier Electric Corp., Rodney French Blvd., New Bedford, Mass.

 MILNER, LEONARD L. (S'57-A'57), Electronics Technician 'A', Lockheed Missile System Div., Sunnyvale, Calif.

 MILNES, ARTHUR G. (SM'58), Assoc. Prof., Flec. Engr., Camegie Institute of Technology, Pittsburgh 13, Pa.

 MILOTTA, SALVATORE S. (A'54), Engr., Western Electric Co., 99 Church St., New York, N.Y.

 MILOWITZ, PHILIP (M'57), Elec. Engr., Remington Rand, 19 St. & Allegheny Ave., Philadelphia, Pa.

 MILSON, DAVID E. G. (S'57-A'58), Customer Engr., IBM, Ltd., 600 Eglinton Ave., E., Toronto 12, Ont., Canada.

 MILTON, DAVID F. (S'57-A'55), Suppr., Railway Express Agency, 820 Washington, Houston, Tex.

 MILTON, JULES (A'54), Sr., Engr., Filtron Co., Inc., 131-15 Fowler Ave., Flushing 55, L.I., N.Y.

 MILTON, DOBORNE (A'49-M'55), Sect. Suppr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 MILTON, ROBERTT. (S'52-A'53-M'58), Dev. Engr., GE

 Co., Schenectady 5, N.Y.

 MILUMAS, ZENONAS (S'56-M'58), Electronics Engr., Litton Industries, Inc., 336-Foothill Rd., Beverly Hills, Calif.

 MILWITT, WILLIAM (A'44-SM'54), Engr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.

 MILUMAS, ZENONAS (S'56-M'58), Electronics Engr., Litton Industries, Inc., 336-Foothill Rd., Beverly Hills, Calif.

 MILWITT, WILLIAM (A'44-SM'54), Engr. in Cho., RCA

 Labs., Industry Service Lab., 2950 W. Alameda Ave.,

 Burbank, Calif.

 MILWOLL M. CHEBET I. (A'58), Ball Baller, Deverly Hills, Calif.

 MILWOLL M. CHEBET I. (A'58), Baller, Deverly Hills, Calif.

 MILWOLL
- Burbank, Calif.

 MIMNO, HARRY R. (A'31-VA'39-M'55-F'58), Prof., Applied Physics, Cruft Lab., Harvard Univ., Cambridge 3M, Mass.

 MIMOUN, GILBERT L. (A'58), 4 Bis Rosiers, Puteaux, Seine, France.

 MIMS, JAMES H. (S'52-A'54), Project Officer, Hgrs., ARDC, Det. 1, Wright-Patterson AFB, Ohio.

 MIN, HYUNG S. (S'56-M'58), Systems Engr., Monsanto Chemical Co., BOO N. Lindburgh Blvd., St. Louis 66, Mo. MINA. VINCENT A. (M'56), Engr., RCA. Camden. N. J. MINAHAN, WILLIAM G. (S'56-M'58), Elec. Engr., Technitrol Engrq., 1952 E. Allesheny, Philadelphia 34, Pa. MINAMON, SUEMITSU (M'57), Research Asst., Electronics, College of Engrg., Univ. of Osaka Prefecture, Sakai City, Osaka, Japan.

 MINARO, RULO E., JR. (S'51-A'55), Dev. Engr., Motorpla

- College of Engra , Univ , of Osaka Prefecture , Sakai City , Osaka , Japan .

 MINARD , RULO E , J.R. (S'51-A'55), Dev. Engr. , Motorola , Inc. . 3102 N. 56 St. . Phoenix , Ariz .

 MINCA, ANATOLE (M'49), Pres. , Tele-Signal Corp. , 63 Sea Cliff Ave. , Glen Cove. , L. I. , N. Y.

 MINCEY , JAMES H. (S'50-A'50-M'56), Elec. Engr. , Western Electric Co. , Graham-Hopedale Rd. , Burlinoton , N. C. MINCHEL, CHARLES C. (M'58), Parts Preparation Engr. , Electronic Tube Div. , Canadian Westinghouse Co. , Ltd. , Hamilton , Ont. , Canada.

 MINDEDAL , JOHN (S'56-M'59), Field Engr. , Federal Electric Corp. , Paramus , N. J.

 MINDEDAL , JOHN (S'56-M'59), Field Engr. , Federal Electric Corp. , Paramus , N. J.

 MINDEDAMAN , PETER A. (M'58), 1822 Weltin Rd. , Orlando , Fla.

 MINDES , BARRAY MS . (A'48-M'55) , Electronics Engr. , Pleatinny Arsenal , Dover , N. J.

 MINDES , BARRY M. (M'57), Engr. , ITT Labs. , Nutley 10 , N. J.

- MINDLES, DARRY IN (S'57-M'58), Electronics Engr., Convair, San Diego, Calif. MINE, GEORGE D. (A'57), Units Engr., IBM, Kingston, N.Y.
- MINELLA, MICHAEL J., JR. (A'58), Fleid Service Rep., GE Co., Naval Ordnance, 100 Plastics Ave., Pittsfield, Mass.

- GE CO., NaVai Oronance, 100 Plastics Ave., Pittsrielo, Mass.

 MINER, ALFRED R., JR. (S'55-A'56), Field Engr., IBM, Kingston, N. Y.

 MINER, CARROLL R. (M'46-SM'53), Mgr., Monochrome TV Prod. Engra., GE Co., Syracuse, N. Y.

 MINER, JACK H. (A'55), Pres., Miner Electronics Lab., 7331 Calumet Ave., Hammond, Ind.

 MINEROFF, SAUL A. (S'57-A'58), Electronics Technician, Sigma Electric Co., 11 E. 16 St., New York, N. Y.

 MINERY, HARRY D. (S'57-M'59), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif.

 MINERVA, J.OUIS P. (S'56-A'58), Instrumentation Engr., Grumman Aircraft Engra. Corp., Bethpage, L.1., N. Y.

 MINERVA, VITO P. (M'58), Elec. Engr., Collins Radlo Co., Cedar Rapids, Iowa.

 MING, DON ALD L. (A'49-M'55), Electronics Design Sect. Head, Aydonics Div., Aerojet Genl. Corp., Box 296, Azusa, Calif.

 MINGAY, O. F. (A'30-M'33-SM'43), Editor, Electrical
- Azusa, Calli.
 MINGAY, O. F. (A'30-M'33-SM'43), Editor, Electrical Weekly, 146 Foveaux St., Sydney, N. S. W., Australia.
 MINGIA, SAMUELL. (S'57-M'59), Field Engr., Birins & Caldwell, Inc., 1923 N. Main St., High Point, N. C.
 MINGINS, CHARLES R. (A'36-SM'46), Prof., Physics & Math., Dir., Physics Research, Lowell Technological Institute, Lowell, Mass.
- MINGLE, RAYMOND F. (S'54-A'56), Export Sales, Nuclear-Chicago Corp., 333 E. Howard St., Des Plaines,
- III.
 MINGST, H. C. (S'44-A'47-SM'54), Electronics Engr.,
 Mare Island Naval Shipyard, Vallejo, Calif.
 MINICH, C. HARRISON (A'52), Pres., Tensolite Insulated
 Wire Co., Inc., 198 Main St., Tarrxfown, N.Y.
 MINICH, CARL E. (S'55-M'57), Maint. & Supply Officer,
 USAF, 2036 AACS, Mount Home AFB, Idaho.

- MINICHIELLO, RAYMOND (M'59), District Sales Mgr., GE Co., 471 Washington St., Wellesley, Mass.
 MINICUCCI, ROBERT P. (S'50-A'51-M'56), Components Engr., Raytheon Mfg. Co., Wayland, Mass.
 MINIX, RONALD E. (S'56-M'57), Elec. Engr., Pittsburgh Plate Glass Co., Creiplton, Pa.
 MINIX, GEORGE F. (M'56), Sr. Design Engr., Natl.
 Cash Register Co., 1401 W. El Segundo Blvd., Hawthome, Calif.

- Calif.
 MINKEL, MERLIN S. (S'57-M'5B), Engr., Sperry Electronic
 Tube Div., Gainesville, Fla.
 MINKIEWICZ, MICHAEL D. K. (M'56), Intermediate Engr.,
 Canadian Marconi Co., 2442 Trenton Ave., Mount Royal,
 P.Q., Canada.

- Canadian Marconi Co., 2442 Trenton Ave., Mount Royal, P.Q., Canada.

 MINKOW, MORSE (A'5B), Consulting Engr., 1055 Grand Concourse, New York 52, N. Y.

 MINKS, FLOYD A. (SM'47), Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.

 MINKUS, FRED (S'49-A'50-M'55), Engr., Teletype Corp., 5555 Touhy Ave., Skokle, III.

 MINKUS, WILFRED J. (S'56-M'5B), Research Asst., Elec. Engrg., Dept., Technological Institute, Northwestern Univ., Evanston, III.

 MINNEMS, LESLIE H. (A'54-SM'5B), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 MINTEMAN, MILTON J. (S'42-A'45-M'4B-SM'52), Mem., Scientific Research Staff, Republic Aviation Corp., Farmingdale, L.I., N.Y.

 MINNETT, HARRY C. (A'43-M'56), Principal Research Officer, Radiophysics Lab. of Commonwealth Scientific & Industrial Research Organization, City Rd., Chippendale, N.S.W., Australia.
- MINNICH, EDWARD L. (M'47), Engr., Western Electric Co., 1600 Osgood St., North Andover, Mass. MINNICK, ALDEN W. (M'57), Assoc. Instr., IBM, Owego,
- MINNICK, ROBERT C. (S'53-A'54-M'59), Sr. Physicist, ElectroData Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.
- MINNIUM, BYRON B. (A'25-VA'39-SM'50), V.P., Research & Engrg., Erle Resistor Corp., 644 W. 12 St., Erle 6, Pa.
- MINOR, LOWELL C. (S'53-A'55), Research Asst., Ionosphere Research Lab., Pennsylvania State Univ., University Park, Pa.

- sohere Research Lab., Pennsylvania State Univ.,
 University Park, Pa.
 MINOR, MARVIN J. (A'44-SM'50), Mgr., Transmitter &
 Fleld Engrg., Jefferson Standard Broadcasting Co., 1 Jefferson PI., Charlotte B, N.C.
 MINOR, RALPH E. (S'54-A'56), Customer Engr., IBM,
 Washington, D.C.
 MINOZUMA, FUMIO (A'53-M'56-SM'59), Asst. Chief In
 Chg. of the Frequency Allocation Sect., Radio Regulatory
 Bureau, Ministry of Posts & Telecommunications, 6 Chrome
 Azabulikura, Minato-ku. Tokyo, Japan.
 MINSKY, MARVIN L. (M'550, Jr., Fellow, The Society of
 Fellows, Harvard Univ., Cambridge 3B, Mass.
 MINTER, JERRY B. (A'3B-VA'39-M'55), Pres., Components Corp., 106 Main St., Denville, N.J.
 MINTO, EDGAR W. (A'56), Electronics Test Engr., Consultant & Designers, Inc., 650 I 1 Ave., New York, N.Y.
 MINTON, JOHN P. (F'39), Retired, 235 Waverly St.,
 Menio Park, Calif.
 MINTON, MERTON (M'55-SM'55), Chief Engr., Cosmocord,
 Ltd., Waltham Cross, Herts., England.
 MINTON, ROBERT E. (S'49-A'50-M'55), V.P., The
 Radio Message Service, Inc., 2055 Pledmont Rd.,
 N.E., Atlanta 9, Ga.
 MINTON, WILLLARD C. (A'46), Chief Engr., Sperry Western,
 Inc., 1525-A N. Post Oak Rd., Houston 24, Tex.
 MINTZ, BERTRAM (M'57), Tech. Rep., Research & Dev.,
 Marquardt Aircraft Co., van Nuys, Calif.
 MINTZ, FRER (M'53), Exec. V.P., Perlmuth-Electronic
 Instrumentation, 5057 W. Washington Bivd., Los Angeles
 16, Calif.
 MINTZ, FRER Om. Burbank, Calif.

- 16, Calif.

 MINTZ, FRED (M'54), Mgr., Physics Research Dept.,
 Lockheed Aircraft Corp., Burbank, Calif.

 MINTZ, MARTIN (S'49-A'51), Mem. Tech. Staff, The
 Ramo-Wooldridge Corp., 5500 El Segundo Bivd., Los
 Angeles 45, Calif.

 MINTZ, MOBERT M. (S'57-M'59), 1720 W. Jackman St.,
 Lancaster, Calif.

 MINTZF, ALEDER L. (A'100 M'51)

- Lancaster, Calif.

 Lancaster, Calif.

 MINTZER, ALFRED I. (A'52-M'57), Sr. Systems Engr.,
 MISSIE Systems & Radar, RCA, Moorestown, N.J.

 MINTZER, LESTER (A'52-M'57), Sect. Head, Special
 Projects, Datamatic Div., Minneapolis-Honeywell Regulator
 Co., 151 Needham St., Newton, Mass.

 MOTKE, JOHN A. (S'55-M'59), Elec. Engr., John Oster
 Mfg. Co., 1 Main St., Racine, Wis.

 MIOTKE, THOMAS F. (S'56-M'58), Field Engr., Hughes
 Aircraft Co., Culver City, Calif.

 MIRAGLIA, JOSEPH F. (A'55), Technician, GE Co.,
 Phoenix, Ariz.

 MIRAKENTZ, ALBERT (A'50), Mem. Tech, Staff, Space
 Technology Labs., Inc., Box 95001, Los Angeles 45,
 Calif.

 MIRANDA FOLIARDO DA S. (A'56), Care, Brazilian

- MIRANDA, EOUARDO, DA S. (A'56), Capt., Brazilian Army, Ministerio da Guerra, Rio de Janeiro, Brazil. MIRANDA, ROBERT T. (A'56), Contract Engr., Natl. Scientic Labs., 2010 Massachusetts Ave., N. W., Washington, D.C.
- washington, D.C.

 MIRCHANDANI, INDERSEN T. (A'55), Dir., M/s J.B.

 Advani-Derlikon Electrodes, Ltd., Advani Chambers, Sir

 Phirozstah Mehta Rd., Bombay 1, India

 MIRE, PATRICK (5'57-M'57), Field Rep., GE Co.,

 Johnson City, N.Y.
- MIRCLES, ANTONIO (S'5B-M'59), Mgr., Installation of Electronics, Communications & Elec. Equipment, INSTA-VENCA, Box 5162, Caracas, Venezuela.

 MIRICK, CARLOS B. (A'15-M'29-SM'43)(L), Retired.
 3301 Macomb St., N.W., Washington B., D.C.
 MIRICK, HARRY L., JR. (S'54-A'55), Quality Engr., IBM, Kingston, N.Y.
- IBM, Kingston, N Y.
 MIRK, DAVID B. (A '25-M'32-SM'43), Chmn., Epsylon
 Industries, Ltd., N., Feltham Trading Estate, Faggs Rd.,
 Feltham, Middx., England.
 MIRKIN, MEYER (S'38-A'.39-M'55), Sr., Elec. & Electronics Engr., Home: 1063 Camille Ave., Deerfield, Ill.

- MIRMAN, IRVING (S'41-A'44-SM'52), Assoc. Dir., Research & Dev., Rome Air Development Center, Air Research & Development Command, USAF, Griffiss AFB,
- N.Y.

 NIROSHNICHENKO, ALEXANDRE (S'56-A'57), Asst.
 Engr., 4611 Jeanne Mance, Mortreal B, P.Q., Canada.

 MIRSKY, MARTIN M. (S'57-M'5B), Electronics Engr.,
 USAF Aerial Reconnaissance Lab., Wright-Patterson Air
 Development Center, Wright-Patterson AFB, Ohio.

 MISAIL, GEORGE (S'56-A'5B), 35 Henrietta St.,
 Valley Stream, L.I., N.Y.
- MISAIL, GEORGE (S'56-A'5B), 35 Henrietta St., Valley Stream, L.I., N.Y.

 MISCHLER, EDWARD F. (SM'56), 2 Buttonwood Lane, Tulip Hill, Washington 16-, D.C.

 MISCHLER, WARREN D. (A'41-M'55), Mem. Tech. Staff, Bell Tef. Labs., Berkeley Heights, N.J.

 MISCIAGNA, JOHN J. (S'5B-A'5B), Tech Rep. Field Engr., Philoc Corp., 22 & Lehigh Ave., Philadelphia 32, Pa.

 MISEK, ALBERT E. (S'55-M'56), Research Assoc., Oigital Computing Center, Case Institute of Technology, 10900 Euclid Ave., Cleveland 20, Ohio.

 MISEK, VICTOR A. (M'57), Engr., Sanders Associates, Inc., Nashua, N.H.

 MISENHEIMER, HARVEY N. (A'22-M'29-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 MISEY, JOHN J. (S'49-A'50-M'55), Physicist, Terminal Ballistic Lab., Aberdeen Proving Ground, Md.

 MISHKIN, ELI (M'55-SM'5B), Assoc. Prof., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.

 MISHKOH, SKIMBAS (K.M'56), Crosulting Engr., 315

 Golbazar, Jabalour 1, M.P., India

 MISHKA, SKINIBAS (S'47-A'4B-M'56), Officer, Indian Army. Home: Amalapara 5th Line, P.O. Angul Orissa, India.

 MISISCO, EMIL J. (SM'5B), 36 Tudor Lane, Scarsdale,

- MISISCO, EMIL J. (SM'5B), 36 Tudor Lane, Scarsdale,
- N.Y.
 MISKA, JAN K. (S'56-M'57), Project Engr., Hallicrafters, 4401 W. 5 Ave., Chicago 24, III.
 MISLAN, JOSEPH D. (M'5B), 713 Crown St., Morrisville,
- Pa.

 MISNER, PEDRO E. (A'57), Chief, Sound Production,
 Publicitaria Siboney, S.A., N. Vedado, Habana, Cuba.

 MISNER, ROBERT D. (SM'57), Sect. Head, Naval Research
 Lab., Washington 25, D.C.

 MISRA, RAJ P. (S'47-A'47-SM'53), Project Engr.,
 Philoc Corn., Church St., Lansdale, Pa.

 MISSIO, DANILO V. (A'56), Physicist, E.N.I., Via
 Tevere 50, Roma, Italy.

 MISSLER, CHARLES W. (M'57), Branch Chief, Missile
 Fundamentals Branch, USAF, Lowry AFB, Denver, Colo.

 MISUGI, TAKAHIKO (M'57), Research Fngr., Miscrowave.

- Fundamentals Branch, USAF, Lowry AFB, Denver, Colo.
 MISUGI, TAKAHIKO (M'57), Research Engr., Microwave
 Tubes., Kobe Kogyo Corp., Ohkubo Akashi, Japan.
 MITA, SHIGERU (A'53), Research Staff, Matsuda Research
 Lab., Tokyo Shibaura Elec. Co., Ltd., 72 Horikawa-cho,
 Kawasakishi, Kanagawa-ken, Japan.
 MITCHELL, ALEX V. (S'46-A'49-M'5B), Mgr., Applications
 Sect., Tung-Sol Electric, Inc., 200 Bloomfield Ave.,
 Bloomfield, N. J.
- MITCHELL, ALFRED T. (A '53), Head, Publications Dept., Collins Radio Co., 1930 HiLline Dr., Dallas 7, Tex.
- MITCHELL, BRINTON B. (S'47-A'48-M'55), Head, Electronics Dept., East Los Angeles College, 5357 E. Brooklyn Ave., Los Angeles 22, Calif.
- MITCHELL, CHARLES A. (M'56), Sales Engr., Kleinschmidt Div., Smith-Corona-Marchant, County Line Rd., Deerfield,
- MITCHELL, CHARLES A., II (S'53-A'55), Electronics Engr., Hughes Aircraft Co., Internati. Airport Sta., Los Angeles 45, Calif.
- MITCHELL, CHARLES W. (M'56), Dir., Operations Analysis, IBM, 590 Madison Ave., New York, N.Y. MITCHELL, CLAIR D. (A'23-M'27-SM'43), Commercial Engr., Tube Div., RCA, Harrison, N.J.
- MITCHELL, DANA D. (M'59), Electronics Engr., Hudson Labs., Columbia Univ., 145 Palisade St., Dobbs Ferry, N.Y.
- MITCHELL, DANIEL F. (A'5B), Sr. Engr., Technician, Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 3B, III.
- Chicago 3B, III.

 MITCHELL, DEAN C. (M'58), Sales Engr., CDB Enterprises, 501 Broadway, Hicksville, L.I., N.Y.

 MITCHELL, DONALD A. (M'59), Dir., Commercial Prod. Planning, Raytheon Mfg. Co., Waltham 54, Mass.

 MITCHELL, DONALD B. (S'54-M'56), Sr. Structures Engr., Convair, Ft. Worth, Tex.

 MITCHELL, DONALD H. (A'35-SM'47), Pres., Mitchell Industries, Inc., Box 17, Mineral Wells, Tex.

 MITCHELL, DONALD L. (A'5B), 1830 York Rd., Timonium, Md.

- MITCHELL, DOREN (SM'46), Special Systems Engr., Bell Tel. Labs., 463 West St., New York 14, N.Y.
- MITCHELL, EDWARD E. (A'53-SM'57), Mgr., Advanced Data Processing & Communications Engrg., Advanced Electronics Center, GE Co., Cornell Univ. Airport, Ithaca,
- N.Y. MITCHELL, ELI (M'56), Western Regional Mgr., Clevite Transistor Prods., Clevite Corp., 241 Crescent St., Waltham 54, Mass.
- wratinam 34, Mass.
 MITCHELL, FRANK R. (S'55-M'57), Electronics Engr.,
 Admiral Corp., 3800 Cortland, Chicago, III.
 MITCHELL, FRANK T., JR. (S'40-A'41-M'44-SM'52), Sr.
 Engr., Jansky & Bailey, 1339 Wisconsin Ave., N.W.,
 Washington 7, D.C.
- Washington 7, D.C.

 MTCHELL, FRANKLIN O. (A'51), Engrg. Instr., Naval Avlation Electronics Service Unit., U.S. Naval Receiving Sta., Washington, D.C.

 MITCHELL, FREDERICK A. (S'42-A'44-M'55), Chief Engr., Commercial Prods. Dent., Stromberg Carlson Co., 1400 N. Goodman St., Rochester, N. Y.

 MITCHELL, GEDRGE W. (A'55), Design Engr., United Control Corp., 4540 Union Bay Pl., Seattle 5, Wash.

 MITCHELL, GERAND J. (M'56), Mathematician, Institute for Defense Analyses, Princeton, N. J.

 MITCHELL, GORDON S. (S'58-M-1'59), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 MITCHELL, HERBERT F., JR. (S'46-A'50-M'55), Rep. of V.P., Sales, Remington Rand Univac, 2601 Wilshire Blvd., Los Angeles 57, Calif.

- MITCHELL, HERBERT L. (S'53-M'57), Project Engr., Nati. Geophysical Co., 2345 Mockingbird Lane, Dallas 35, Tex.
- MITCHELL, I. ALLEN (A'31-VA'39), Pres., United Trans-former Corp. . 150 Varick St. . New York 13, N.Y. MITCHELL, JACK L. (4'53-M'5B), Engr., MIT, Lincoln Lab., Lexington 73, Mass.
- Lab., Lexington 73, Mass.

 MITCHELL, JACK M. (3'54-A'55), Sr. Project Engr.,
 Packard-Bell Computer Corp., 1905 Armacost Ave., Los
 Angeles 25, Calif.

 MITCHELL, JAMES A. (A'44-M'55), Engr., The Hartford
 Electric Light Co., Box 2370, Hartford 1, Conn.

 MITCHELL, JAMES R. (A'56), Commercial Test Supvr.,
 Instruments for Industry, Inc., 101 New South Road,
 Hicksville, L.I., N.Y.

 MITCHELL, JAY P. (S'53-A'54), Tech. Asst. to Chief
 Engr., Electronics Lab., Diamond Power Specialty Corp.,
 Box 415, Lancaster, Ohio.

 MITCHELL, JESS L. (A'55), Chief Studio Engr., Houston

- Engr., Electronics Lab., Diamond Power Specialty Corp., Box 415, Lancaster, Ohio.

 MITCHELL, JESS L. (A'55), Chief Studio Engr., Houston Consolidated TV Co., KTRK-TV, Box 12, Houston 1, Tex.

 MITCHELL, JOE L. (A'4B-M'55), Engr., Cathodic Protection & Communications, United Gas Corp., Box 262B, Houston, Tex.

 MITCHELL, JOHN A. (S'46-A'51-M'58), Research Engr., Hughes Research & Development Labs., Culver City, Calif.

 MITCHELL, JOHN B. (A'55-M'56), Tech. Operations Engr., Westinghouse Broadcasting Co., Inc., KDKA-TV, Gateway Bidg. 1, Pittsburgh 22, Pa.

 MITCHELL, JOHN C., JR. (M'58), Staff Mem., Sandia Corp., Sandia Base, Box 5BOO, Albuquerque, N. M.

 MITCHELL, JOHN D. (S'55-M'56), Cast., U.S. Army, Derx. of Elec. Engrg., United States Military Academy, West Point, N. Y.

 MITCHELL, JOHN F. (SM'59), Asst. Chief Engr., Motorola, Inc., 4501 Augusta Bivd., Chicago 51, III.

 MITCHELL, JOHN N. (R'45-M'57), Electronics Co-ordinator, Univ. of Califomia Radiation Lab., Box BOB, Livermore, Calif.

 MITCHELL, JOHN W. (M'59), Sr. Instrumentation Engr.,

- Calif.

 MITCHELL, JOHN W. (M'59), Sr. Instrumentation Engr.,
 Marquardt Aircraft, Ogden, Utah.

 MITCHELL, JONATHAN (S'25-A'54), Electronics Engr.,
 Link Aviation, Inc., Hillcrest, Binghamton, N.Y.

 MITCHELL, JOSEPH H. (A'42-M'47), Chief Engr., WFLA
 Radlo & TV, 905 Jackson, Tampa 1, Fia.

 MITCHELL, JOSEPH H., JR. (M'59), Project Engr., Page
 Communications Engineers, Inc., 710 14 St., N.W.,
 Washington 5, D.C.
- MITCHELL, LEN B. (A'56), Staff Engr., Industrial Control, Automatic Electric Sales Corp., 21 E. 40 St., New York 16, N.Y.
- MITCHELL, LEROY W. (S'4B-A'49-M'55), Patent Lawyer, Wolfe, Hubbard, Voit & Osann, 1 N. LaSalle St., Chicago 2, III.
- III.

 MITCHELL, LOUIS E. (S'5B-A'5B), Tester, Fanon Electric Corp., 98 Berimen St., Brooklyn, N.Y.

 MITCHELL, MICHAEL E. (S'52-A'53-M'59), Engr., GE Co., Advanced Electronic Center at Cornell, Ithaca, N.Y.

 MITCHELL, MORRIS B., JR. (S'49-A'52-M'56), Atty., Patent Sect., Det., of Justice, Washington, D.C.

 MITCHELL, RALPH M. (A'56), Elec. Engr., Hallicrafters Co., 4401 W.5 Ave., Chicago 24, III.

 MITCHELL, RENZOD, (A'56), Electronic Scientist, White Sands Proving Ground, N.M.

 MITCHELL, ROPERT M. (M'46-SM'51), Need, Proving Sands Proving Ground, N.M.
- MITCHELL, ROBERT M. (M'46-SM'51), Head, Research & Dev. Dept. 1, Collins Radio Co., 1200 N. Alma, Richardson, Tex.
- son, Tex.
 MITCHELL, ROBERT W. (M'58), Electronic Design Engr.,
 RCA Service Co., Patrick AFB, Fla.
 MITCHELL, ROSCOE W., JR. (S'56-M'57), Research Engr.,
 Jersey Production Research Co., 1133 N. Lewis Ave., Tulsa
 10, Okla.

- 10, Ökla.

 MTCHELL, SAMUEL E. (A156), Supvr.-in-Chg., Electrorics & Nucleonics Lab., Special Instrumentation Div., Union Carbide Olefins Co., Box B361, South Charleston, W. Va.

 MITCHELL, SAMUEL L. (A'51), Observer-Insp. Signal Equip., Mil. Asst., Observer Team, DCS/LOG, c/o OSANY, Brooklyn Army Terminal, Brooklyn, N.Y.

 MITCHELL, THOMAS E. (A'45), V.P. & Dir., Nuclear-Chicago Corp., 223 W. Erie St., Chicago 10, Ill.

 MITCHELL, THOMAS E. (S'56-M'56), Project Engr., Research & Dev., Labs., Northern Electric Co., Ltd., Bridge St., W. Belleville, Ont., Canada.

 MITCHELL, THOMPSON H. (SM45), Press. RCA Communications of the Communication of the Communicati
- W. Detrevine, Ort., Canado MITCHELL, THOMPSON H. (SM'45), Pres., RCA Communi-cations, Inc., 66 Broad St., New York 4, N.Y. MITCHELL, W. MURRAY (A'42-SM'55), Project Group Supvr., Special Devices Div., The Austin Co., 76 9 Ave., New York 11, N.Y.
- MITCHELL, WALLACE E. (M'58), 1st Lt., USAF, Computations Officer, Hgrs., USAFE CECOC, APO 12, New York, N.Y.
- MITCHELL, WALTER R. (A'34-VA'39-M'55), Exec. V.P., Natl. Geophysical Co., Inc., 2345 W. Mockingbird Lane, Dallas, Tex.

- Natl. Geophysical Co., Inc., 2345 W. Mockingbird Lane, Dallas, Tex.

 MITCHELL, WAYNE T. (A'47-M'55), Chief Elec. Engr., Magnetic Metals Co., Hayes Ave. & 21 St., Camden, N.J. MITCHELL, WILLIAM (M'56), Engr., Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal 1, P. Q., Canada MITCHELL, WILLIAM (T. (S:49-4)51-M'56), Project Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif. MITCHELL, WILLIAM F. (A'56), Electronics Engr., Dictaphone Corp., 375 Howard Ave., Bridgeport, Conn. MITCHELL, WILLIAM J., JR. (4'46), Chief Engr., Nuclear Electronics Corp., 2925 N. Broad St., Philadelohia, Pa. MITCHELL, WILLIAM J., JR. (S'56-A'59), Jr. Engr., Baldwin Piano Co., 1801 Gilbert Ave., Cincinnati 8, Ohio. MITCHELL, WILLIAM W., JR. (5'56-A'59, Jr. Engr., Corminental Electronics Mig. Co., 4212 S. Buckner Blvd., Dallas 27, Tex.

 MITCHENER, HARRY G. (M'53), Instr., Ryerson Institute of Technology, 50 Gould St., Toronto 17, Ont., Canada. MITCHUM, MARTIN M. (A'48-M'53), Consulting Broadcast Engr., Box 69, Rolla, Mo.

 MITHAL, CVANENDRA K. (M'57), Reader, Advanced Electronics, Govt. Engrg., College, Jabalpur, M. P., India. MITOMA, EDWIN Y. (S'45-A'50-M'55), Electronics Engr., Naval Ordnance Lab., White Dak, Silver Spring, Md.

 MITSCHER, RUDOLPH W. (A'51), Pres., R. W. Mitscher Co., 4B7 Ellicott Sq., Bulfalo 3, N. Y.

MIT-MOL - 301 -

- MITSUTOMI, TAKASHI (S'50-A'54), Sugvg, Engr., Auto-netics Div., No. Amer. Aviation, Downey, Calif. MITTA, LOUIS A. (M'5B), Logical Design Engr., 1BM, Paughkeepsie, N.Y.
- Poughkeepsie, N.Y.

 Poughkeepsie, N.Y.

 MITTELMAN, LOUIS, JR. (S'52-A'54-M'59), Project Engr., Servonics, Inc., B22 N. Henry St., Alexandria, Va. MITTELMAN, WILLIAM (A'50-M'55), Systems Engr., RCA, Moorestown, N.J.

 MITTELMAN, EUGENE (A'3B-SM'44-F'57), Consulting Engr., 549 W. Washington Ave., Chicago 6, III.

 MITTER THOMAS S. (M'58), Chief, C-304, System Engr., Natl. Cash Register Co., Main St., Dayton, Ohio.

 MITTMAN, EDWARD E. (S'42-A'45-SM'56), Eastem Area Systems Engr., Motorola Communications & Electronics, Inc., 540 Bergen Blvd., Ridgefield, N.J.

 MITTMAN, SIDNEY A. (S'50-A'52-M'57), Sr. Project Engr., Electronics, New York Naval Shipyard, Brooklyn 1, N.Y.

- N.Y.
 MITTON, DUANE V. (S'51-A'54), Electronics Dev. Engr.,
 Motorola Research Lab., Phoenix. Ariz.
 MITTRA, RAJJESHWAR (S'54-M'57), Asst. Prof., Dept. of
 Elec. Engro., Univ. of Illinois, Urbana. III.
 MIWA, GLEN Y. (A'50), Chief Elec. Engr., Centri-Spray
 Corp., 39001 Schoolcraft, Livonia, Mich.
 MIWA, TERRY M. (M'56), Mem. Tech. Staff, Space Technology Labs.. Inc., 5730 Arbor Vitae, Los Angeles, Calif.
 MIXSELL, STEPHEN A. (S'56-M'58), Applied Physics Lab.,
 The Johns Hopkins Univ., Silver Spring, Md.
 MIYA, KAZU (A'56), Assoc. Engr., Northrop Aircraft, Inc.,
- MIYA, KAZU (A'56), Assoc. Engr., Northrop Aircraft, Inc., Hawthorne, Calif. MIYAHIRA, HARRISON Y. (S'56-M'5B), Lt., U.S. Army, Signal Corps, Radio Staff Officer, Hgrs., 41st Signal Bn., Port Ord, Calif.
- MIYAJI, KOHICHI (M'55), Vice Chief, Electronics Research, Tech, Research Lab., Broadcasting Corp. of Japan, Kinuta-Machi, Setagayaku, Tokyo, Japan
- macni, Jetagayaku, Tokyo. Japan, MIYAKAWA, HIROSHI Y, (S'56-M'5B), Instr., Faculty of Engrg., Derk. of Elec. Engrg., Univ. of Tokyo, Motofujicho, Bunkyo-ku, Tokyo, Japan, MIYAKC, MAO (A'35-VA'39-M'55), Prof., Physics, University of Hawaii, Honolulu, Hawaii, MIYAKC, MIKIO M. (S'55-M'57), 759 N. 26 St., Philadelphia, Pa.

- MIYAKOSHI, KAZUO (SM!56), Prof., Electronics Engrg., College of Engrg., Univ. of Osaka Pref., Sakai City, Osaka, Japan.

- Japan.

 MIYASAKI, JOHN K. (S'54-A'55), Engr., Stewart-Warner Electronics. 1300 N. Kostner, Chicago 51, Ill.

 MIYATA, JOHN J. (A'52-M'57), Project Engr., Electronics Oiv., Natl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthorne, Calif.

 MIZELL, MAXWELL H. (A'47-SM'53), Engr., Cenl. Telephone Co., 2020 Santa Monica Blvd., Santa Monica, Calif.

 MIZUHARA, ALBERT (M'56), Electronics Research Engr., Eitel-McCullough, Inc., San Bruno, Calif.

 MIZUKORH, SHIGEVUKI (A'57), Tech. Research Lab. Engr., Iwasaki Tel. Co., Ltd., Kugayama, Suginami-ku, Tokyo, Japan.

 MIZUMA, MASAICHIRO (A'53-SM'57), Chen.
- Japan .

 MIZUMA , MASAICHIRO (A'53-SM'57), Chmm , Board of Dirs., Shimada Physical & Chemical Industrial Co., Ltd., 17 Fujimi-cho, Nakano-Ku; Pres., Tokyo Atomic Co., 349 2-Chome, Hipasiosaki, Chinaqawa-ku, Tokyo , Japan MIZUNO, EDWARD (S'51-M'57), Dev. Engr., Sylvania Electronic Defense Lab... Box 205. Mountain View. Calif. MIZUTAMI, MASAJI (A'57), Kumamoto Univ., Kurokami-Machi, Kumamoto-Shi, Japan.

 MLECZKO, EUGENE L. (M'49), Tech. Dir., Missile Range Div., Aerojet-Genl. Corp., 6352 Irwingdale Ave., Azusa, Calif.

- MOAKLER, EDWARD J. (S'57-M'59), 26 Willow St., New-
- MOAKLER, EDWARD J. (S'57-M'59), 26 Willow St., Newton Centre, Mass.

 MOATS, ROBERT R. (S'4B-M'51-SM'5B), Engrg. Specialist, Sylvania Elec. Prods., Inc., Mountain View, Calif. MOBAYED, LUCIEN E. (M'5B), Chief, Telecommunications & Tech. Studies Services; Directorate, Civil Aviation, Greek Hospital St., Ashrafie, Beinut, Lebanon.

 MOBLEY, MILTON C. (A'43-M'55), 939 Nichols Dr., Laurel, Md.

- Laurel, Md.
 MOCEYUNAS, ALGIRD J. (S'54-M'56), Rear 1B7 N. Main
 St., Pittston, Pa.
 MOCHARKO, GEORGE L., JR. (S'56-M'57), Jr. Corrosion
 Engr., The Manufacturers Light & Heat Co., BOO Union Trust
 Bldg., Pittsburgh 30, Pa.

- Biog., Prissurgn 30, Pa.

 MOCHEL, ROBERT S. (S'52-A'54), TV Systems Engr., RCA, Camden 2, N. J.

 MOCK, BUDDY H. (S'55-M'57), Sr. Electronics Engr., Radiation, Inc., Box 37, Melbourne, Fla.

 MOCK, ROBERT E. (S'50-A'51-M'57), Research & Dev. Engr., Bendix Aviation Corp., 166 W. Olive Ave., Burbank,
- MOCK, ROY E. (M'58), 433-A Curry Circle, Holloman AFB, N.M.
- N.M.
 MOCK, THOMAS D. (S'55-M'57), Lt., U.S. Army, Instr.,
 Special Weapons Training Group, Filed Command, Armed Force
 Special Weapons Project, Sandia Base, Albuquerque, N.M.
- MOCK, WESLEY C., JR. (M'47-SM'56), Chief Engr., Electronics Div., Globe Industries, 525 Main St., Belleville 9, N.J.
- N.J.

 MOCKBEE, RICHARD L. (A'52-M'5B), Electronics Engr.,
 The Rand Corp., 1700 Main St., Santa Monica, Calif.

 MOCKLER, TERRENCE P. (S'49-A'52), Supvg. Engr.,
 Radio Transmisson, Bell Tel. Co. of Canada, 1050 Beaver
 Hall Hill, Montreal, P.Q., Canada

 MOCKUS, JOSEPH M. (M'53-SM'59), Electronics Staff
 Engr., Martin Co., Drawer M, Cocoa, Fla.

 MODE, DOUGLAS E. (SM'46), Assoc. Prof. & Sect. Head,
 Univ. of Pennsylvania, Philadelphia 4, Pa.

 MODE PACKI F DMINID 1 (A'56), Survey, Fingra, Mfg.,

- Univ. of Pennsulvania, Philadelphia 4, Pa.

 MODERACKI, EDMUND J. (4'56), Supvr., Engrg. Mfg.,
 Spery Gyroscope Co., Great Neck, L.I., N.Y.

 MODESITT, MAHLON B. (S'51-A'51-M'56), Engr., Bendix
 Prods., Missiles, 400 S. Beiger St., Mishawaka, Ind.

 MODLEY-JONES, HAROLD S. (A'44), Supvr., Systems &
 Equipment, Post Office Dept., Statistical & O.S. Oiv., Langevin Block, Ottawa 2, Ont., Canada.

 MODLIN, CARLTON J. (M'52), Electronics & Service Engr.,
 Westinghouse Elec. Corp., Friendship Internatis Airport,
 Baltimore, Md.

 MODLINSKI, WITOLD M. (A'52-M'57), Staff Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64,
 Calif

- MODRCIN, MARTIN R. (A'56), Sales Engr., W.E. Fry & Co., Inc., 406 W. 34 St., Kansas City 11, Mo.

 MODUGNO, VICTOR D., JR. (S'5B-A'5B), Univac Computer Technician, Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia, Pa.

 MOE, C. ROGER (M'56-SM'59), Group Leader, Lockheed Missile Systems Olv., Sunnyvale, Calif.

 MOE, CHESNEY R. (SM'47), Prof., Physics, San Diego State College, San Diego 15, Calif.

 MOE, JOHN L. (M'5B), Project Engr., Filtron Co., Inc., 131-15 Fowler Ave., Flushing, L.I., N.Y.

 MOE, ROBERT E. (S'33-A'35-SM'46-F'55), Mgr., Engrg., Receiving Tubes, GE Co., Owensboro, Ky.

 MOE, WALTER B. (S'5B-M'59), 71B Central Ave., N.E., Minneapolis, Minn.

 MOE, WALTER J. (A'47-M'55), Staff Consultant, Remington

- MUE, WALTER B. (S'5B-M'59), 71B Central Ave., N.E., Minneapolis, Minn.
 MOE, WALTER J. (A'47-M'55), Staff Consultant, Remington Rand Univac, St. Paul 16, Minn.
 MOEHRING, WILLIAM D. (A'47-M'55), Pres., World Magnetics. Inc.. Charlotte, Milch.
 MOELLER, KURT F. W. (S'55-M'5B), Dev. Engr., Daystrom Instrument Co.. Archbald, Pa.
 MOELLERING, EDCAR E. (S'57-M'59), Design Engr., The Baldwin Piano Co.. 1B01 clibert Ave.. Cincinnati 2. Ohio.
 MOELTER, AIN (S'55-M'59), Assoc. Engr., Boeing Airplanc Co.. Box 107, Seattle 14, Wash.
 MOEN, HARALD P. (S'46-A'52-M'5B), Electronics Engr., Canadian Marconi Co.. Ltd., 2442 Trenton Ave., Montreal P. Q., Canada.
 MOEN, JUSTIN W. (S'50-A'54-M'59), Project Engr., Remington Rand Univac, St. Paul 16, Minn.
 MOENCH, HERMAN A. (A'32-VA'439-SM'51), Dean, Engrg. & Prof., Elec. Engrg., Rose Polytechnic Institute, Terre Haute, Ind.

- MOERKE, ROGER W. (S'47-A'51-M'57), Supvr., Mfg., Computer Test Sect. Quality Control, Remington Rand Univac, St. Paul 16, Minn.
- MOERMAN, NATHAN A. (M'46), Chief Engr. & V.P., Potter Instrument Co., Sunnyside Blvd., Plainview, L.I., N.Y.
- MOES, GERLACUS (M'54), Consulting Engr., 226 North-shore Blvd., E., Aldersnot, Burlinguon, Ont., Canada. MOEYS, GUY L. (A'5B), 114 Rochampton Crescent, London, Ont., Canada.
- Ork., Canada

 MOFENSON, JACK (M'46-SM'57), Sect. Mgr., Communications, Raytheon Mg. Co., Waltham 54, Mass.

 MOFFAT, DONALD (A'52-M'57), Engr., Motorola, Inc.,
 B201 E. McDowell Rd, Phoenix, Ariz.

 MOFFAT, W. HOWARD (A'3B-VA'39-SM'49), Radio Engr.,
 Free Europe Committee, Inc., RFE Div., 2 Park Ave.,
 New York 16, N.Y.

 MOFFAT, WILLIAM T. (A'54), Mgr., Test Data Dept.,
 Sandia Corp., Sandia Base, Albuouerque, N. M.

 MOFFATT, V. J. (A'43-M'55), Electronics Engr., ConvairAstronautics, San Diego 12, Calif.

 MOFFET, JOHN A. (A'44-M'49), Partner, Silliman, Moffet

- Astronautics, San Diego 12, Jalli MOFFET, JOHN A. (A'44-M'49), Partner, Silliman, Moffet & Rohrer, 1405 G St., N. W., Washington 5, D. C MOFFITT, GUY R., JR. (S'47-A'4B-M'55), Supvr., Elec. Projects, Norden Div., United Aircraft Corp., Wiley St., Milford, Conn.
- MITTORY, Conn.
 MOFFITT, JERRY F. (M'5B), Engr., Texas Instruments,
 Inc., 6000 Lemmon Ave., Dallas, Tex.
 MOGAVERO, CAMILLO (M'59), Electronics Engr., Prod.
 Dev. Div., U. S. Army Signal Supply Agency, 225 S.
 18 St., Philadelphia 3, Pa.
- MOGEN, DONALD C. (S'55-M'56), Application Analyst, Minneapolis-Honeywell Regulator Co., 2753 4 Ave., S., Minneapolis B, Minn.
- minneapolis B, Minn.
 MOGENSEN, HARRY (M'5B), Service Engr., RCA Service
 Co., Camden, N. J.
 MOGLE, ROBERT E. (M'59), Asst. Project Engr., Industrial Dev. Engrg. Associates, 7900 Pendleton Pike,
 Indianapolis, Ind.
- Indianapolis, Ind.

 MOGLEWER, SIDNEY (M'56), Design Specialist, Lockheed Missile Systems Div., 7701 Woodley, Van Nuys, Calif.

 MOGUL, EUGENE (SM'57), Mgr., Sales & Mktg., Inertia Switch, Inc., 311 W. 43 St., New York. N. Y.

 MOHAMED, MEERANGANI K. (M'58), Lecturer, Ilwa, Ltd., Rice Mill, Kombai, (Madras State), India.

 MOHAMMED, AUYUAB (M'57), Sc. Officer, Naval Research Est., Dartmouth, N. S., Canada.

 MOHAUPT, KARL R. (S'5B-M'59), Engr., The Baldwin Pianc Co., 1801 Gilbert. Cincinnati. Ohio.

 MOHER, ROBERT B. (M'57), Process Engr., Radio Valve Co., Ltd., 189 Dufferin St., Toronto, Ont., Canada.

 MOHLER, DONALD S. (S'57-A'89). Electronics Technician.

- CO., Ltd., 189 Jurrerin St., Foronto, Ont., Canada. MOHLER, DONALD S. (S:57-A'58), Electronics Technician, AC Spark Pluo Div.. Milwaukee. Wis. MOHLER, ROBERTD. (S'51-A'52-M'57), Group Leader, Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, III. MOHLER, RONALD R. (M'59), Staff Mem., Univ. of California, Los Alamos Scientific Lab., Box 1663, Los Alamos, N. M.

- Alamos, N. M.

 MOHN, DAVID L. (S'56-M'59), Equipment Design Engr.,
 Tung-Sol Electric, Inc., 200 Bloomfield Ave., Bloomfield, N. J.

 MOHR, ARCHER E. (M'56), Mgr., Dev. Shop, RCA Semiconductor & Materials Div., Somerville, N. J.

 MOHR, DEAN B. (A'50), Lt. Col., USAF, Electronics
 Projects Officer, Asst. for Logistic Plans, Deputy for Materiel, Air Defense Command, Colorado Sarings, Colo.

 MOHR, GEORGE A., JR. (M'5B), Engr., Westinghouse Elec.
 Corp., Box 1897. Baltimore 3. Md.

 MOHR, MANS J. (M'5B), CE Microwave Lab., 601 California Ave., Palo Alto, Callf.

 MOHR, HARRY F. (A'45-M'55), Engr., RCA, Camden 2,
 N. J.

 MOHB, MAX C. (M'57), Microwave Engr., Raytheon Mfg.

- MOHR, MAX C. (M'57), Microwave Engr., Raytheon Mfg. Co. Bedford: Mass. MOHR, MCHAELT. (M'56), Electronics Engr., Grumman Aircraft Engrs. Corp., Bethnage, L.I., N.Y. MOHR, MILTON E. (M'45-SM'53), V.P., Engrs., Thompson-Ramo-Wooldridge, Inc., 5500 W. El Segundo, Los Angeles 45, Calif. MOHR, MICHARD J. (M'5B), Project Engr., F-R. Machine Works, 26-12 Borough Pl., Woodside 77, L.I., N.Y. MOHR, RDGER W. (SM'57), Air Carrier Inspector, Elec. Engrs., FAA. 5651 W. Manchester, Los Angeles, Calif. MOHR, WILLIAM L. (A'57), Experimental Engr., Pratt & Whitney Aircraft Corp., 400 Main St., East Hartford B, Conn.

- MOHRMAN, RAYMONO F. (S'4B-A'52), Chief Research Engr., Universal Match Corp., 4407 Cook Ave., St. Louis Engr., l

- 13, Mo.
 MOHSEN, ADEL (A'56), Instr., Newark College of Engrg.,
 365 Hish St., Newark 2. N. J.
 MOIR, LEWIS E. (S'55-M'57), Scientist, Canadian Armament Research & Dev. Est., Ouebec. P. D., Canada.
 MOISSON, ANDRE A. (SM'49), Chief Engr., Laboratore
 Radar-Hyperfrequente, Compagnie Francaiss Thompson
 Houston 173, Blvd. Haussmann, Paris B, France.
 MOIZEAU, CHARLES J. (A'57), 1st Lt., 42d Communications Sadn. USAF. Stewart AFB, Newburgh, N. Y.
 MOKATE, G. MICHAEL (M'56), S. Fragr. Cok. Research

- tions Sqdn. USAF. Stewart AFB, Newburgh, N. Y. MOKATE, G. MICHAEL (M'96), Sr. Engr., Cook Research Labs., 6401 W. Oakton St., Morton Grove, III. MOLANDER, ARNE B. (A'51), Electronic Engr., Interstate Electronics Corp., 707 Vermont Ave., Anaheim, Calif. MOLBY, LOWELL H. (A'56-M'57), Sr. Instr., Central I echnical Institute, 1644 Wyandotte St., Kansas City B. Mo. MOLCAN, JOHN F. (S'57-A'5B), Electronics Technician, Horman Electronic Labs., Inc., 941 Rollins Ave., Rock-ville, Md.

- Homan Electronic Labs., Inc., 941 Rollins Ave., Rock-ville, Md.

 MOLDAY, BENJAMIN V. (A'42-SM'46), Pres., Telcolab
 Corp., 405 Lexington Ave., New York 17. N.Y.

 MOLDOFF, SOLOMON (M'55), Prod. Design Engr., Fuzes &
 Controls. LMED, GE Co., Ukica, N. Y.

 MOLES, FRANK J. (A'42-SM'45), Specialist, Professional
 Placement, GE Co., Schenectady, N. Y.

 MOLESKI, THEODORE G. (A'5B), Quality Control Rep.,
 Convair, Box 1011, Pomona, Calif.

 MOLICA, ANTHONY J. (S'53-A'55), Electronics Design Engr.,
 National Co., 61 Sheman St., Malden, Mass.

 MOLIERI, JOSEPH T. (S'49-A'50), Leader, Engrg. Systems Projects, RCA, Camden, N. J.

 MOLINARI, HARALD A. (M'54), Tech. Mgr., Seyffer & Co.,
 Inc., 265 Badenerstr, Zurich, Switzerland.

 MOLINELI, ROBERT J. (S'57-M'59), Planning Engr., Defense Project Div., Western Electric Co., 220 Church St.,
 New York 13, N. Y.

 MOLL, ANDREW P. (A'5B), Mech. Engr., RCA, Moores-

- New York 15, N. Y.
 MOLL, ANDREW P. (A'5B), Mech. Engr., RCA, Moorestown, N. J.
 MOLL, JOHN L. (A'51-M'57), Assoc. Prof., Stanford
 Univ., Stanford, Calif.
 MOLL, MAGNUS (S'53-A'54), Principal Engr., Systems
 Engr., Div., Battelle Memorial Institute, 505 King Ave.,
 Columbus 1, Ohio.

- Columbus 1, Ohio.

 MOLL, WILLARD H. (A'51-M'56), Engrg. Group Supvr., Lansdale Tube Co. . Lansdale. Pa. MOLLA, DISSEPH J. (A'45-M'58), Engr., Raytheon Mfg. Co.. Wayland, Mass.

 MOLLA, DISSEPH J. (A'45-M'5B), Engr., Raytheon Mfg. Co.. Wayland, Mass.

 MOLLARD, WESLEY N. (S'56-M'5B), Engr., Bendix Systems Div., 327 S. 4 Ave., Ann Arbor, Mrch.

 MOLLEN, GERALD J. (S'5B-A'59), Jr. Engr., Boeing Airplane Co., Box 107, Seattle 14, Wash.

 MOLLENHAUER, HILTON H. (S'54-A'55), Electron Microscopist, Southwestern Medical School, Univ. of Texas, 5323 Harry Hines Bivd., Dallas, Tex.

 MOLLER, JAN K. (SM'57), Mem. Tech. Staff, Space Technology Labs., Inc., 5730 Arbor Vitae St., Los Angeles 45, Calif.

 MOLLER, RICHARD T. (META)

- MOLLER, RICHARD T. (M'57), 13304 S. Ruthelen Ave., Gardena, Calif. MOLLER, ROLF (SM'54-F'56), Mgr. & Tech. Dir., Fernseh, GmbH, Am alten Bahnhof 6, Darmstadt, Germany.
- rernsen, umpH, Am alten Bahnhof 6, Darmstadt, Germany.
 MOLLFORS, HANS G. (M'57), Sales Mgr., Magnetic AB,
 Stockholm, Sweden.
 MOLLMAN, L. A. (A'44-M'46), Mgr., Power Supply & Communications, Union Electric Co., 315 N. 12 Blvd., St. Louis 1,
 Mo.
- MOLLMAN, WALTER G. (S'57-M'5B), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 MOLLOY, CHARLES T. (SM'50), Staff Engr., Sound & Vibation, Lockheed Aircraft Corp., 2555 N. Hollywood Way, Burbank, Calif.
- MOLLOY, G. PRYOR (SM'50), Mgr., New Products Dept., Electronic Prods. Div., Kimble Glass Ca., Box 1035, Toledo, Ohio.

- Toledo, Ohio.

 MOLLOY, HAROLD R. (S'55-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MOLLOY, JOHN M. (S'54-M'56), System Engr., Hughes Aircraft Co., Culver City, Calif.

 MOLNAR, ARNOLD W. (S'55-M'57), Assoc. Engr., Douglas Aircraft, 3000 Ocean Park, Santa Monica. Calif.

 MOLNAR, JMRE (SM'46), Dir., Dev., Telephone Switching Systems, Genl. Telephone Labs., Inc., Box 17, Northlake, III.
- MOLNAR, JOSEPH G. (S'54-A'55), Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.
- Air Development Center, Griffiss AFB. N.Y.

 MOLNAR, JOSEPH T. (4'5B), Elec. Engr., Ballantine Labs, Inc., Boonton, N.J.

 MOLNAR, JULIUS P. (5M'54), Pres., Sandia Corp., Sandia Base, Box 5B00, Albuquerque, N.M.

 MOLNAR, ROBERT J. (5'52-A'54), Project Engr., Bendix Aviation Corp., Teterboro, N.J.

 MOLNAR, STEVEN (4'54), Design Specialist, Convair, San Diego, Calif.

- San Diego, Calif.

 MOLNAR, VICTOR K. (M'5B), Universal Engrg. Co., 255
 1/2 S. Elm St., Beverly Hills, Calif.

 MOLONY, DONALD A. (S'47-A'4B-M'53-SM'59), Asst.

 Prof., Dept. of Elec. Engrg., Rutgers Univ., New Brunswick,
 N.J.
- MOLOZZI, ANDREW R. (S'56-M'57), Defence Scientific Service Officer, Defence Research Board, D.R.T.E., Shirley Bay, Ottuawa, Ort., Canada. MOLTRUP, GLENN R. (M'4B), Head, Torpedo Sect., USN Dept., Bureau of Ordnance, Washington 25, D.C. MOLTZ, ALAN J. (S'55-M'56), Engr., ITT Labs., Nutley 10. N.J.

- 10. N.J.

 MOLYNEAUX, ROBERT J. (A'51), V.P., Engrg., Production Components Corp., 6400 W. Raven, Chicago, III.

 MOLYNEUX, MARC, JR. (M'55), Toll Testboard Supvr., Southern Bell Tel. & Tel. Co., Mobile, Ala.

 MOLZ, KENNETH F. (M'53-5M'56), Chief Engr., Bendix Radin Oiv., Towson 4. Md.

 MOLZAHN, DONALD W. (S'50-A'52-M'56), Electronics Engr., Univ. of Califi.
- - MOLZAHN, HANS W. (M*55), Elec. Engr., Zenith Radio Corp., 6001 Oickens Ave., Chicago 39, III

- MOLZAHN, VICTOR L. (S'51-A'53-M'5B), Sr. Engr., Kaiser Aircraft & Electronics, Box 275, Palo Alto, Calif.
- MOMBERGER, PAUL E. (S'52-A'53-M'5B), Engr., GE Co.,
- MOMENTHY, ALBERT M. (S'56-M'5B), Experimental Research Engr., Boeing Airplane Co., Ellis Ave., Seattle, Wash.
- MOMJIAN, EDWARD A. (A'55), Electronics Sales Engr., T. Louis Snitzer, Mfg. Rep., 5354 W. Pico, Los Angeles 19, Calif.
- 19, Calif.

 MOMMO, ERNEST J. (A'22-VA'39)(L), Research Consultant,
 11 Hennessy Pl., irvington 11, N.J.

 MONACCHIO, EDWARD N. (S'58-A'59), Quality Control
 Technician, Radio Receptor Co., Inc., 240 Wythe Ave.,
 Brooklyn, N.Y.

- MONACO, MICHAEL (M'58), Sect. Supvr., 723 Regester Ave., Baltimore 12, Md. MONAHAN, ANOREW M. (M'58), Owner, Monahan & Co., Box 474, Norwood, Mass. MONAHAN, DONALD P. (M'59), Sr. Electronics Engr., Acoustica Associates, Inc., 26 Windsor Ave., Mineola, L.I., N.Y.
- L.I., N.Y.

 MONAHAN, GEORGE W. (S'54-A'56), Project Engr. & Tech. Editor, Caldwell Clements Manual Corp., 480
 Lexington Ave., New York 17, N.Y.

 MONAHAN, HUMPHREY J. (A'57), Lab. Technician, Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.

 MONAHAN, LAWRENCE P., JR. (S'54-M'56), Asst. Prof., Elec. Engrg. Dept., U.S. Milltary Academy, West Point, N.Y.

- Clec. Engrg. Dept., U.S. Military Academy, West Point, N.Y.

 MONARI, ANTHONY J. (A'53), Asst. Mgr., Tech. Sales, Refractories Div., Carborundom Co., Latrobe, Pa. MONCTON, HOWARO S. (A'39-M'46), Business Mgr., Svivania Elec. Prods., Inc., Buffalo 7, N.Y.

 MOND, LEON I. (A'37-A'439-M'55), Sr. Project Engr., U.S. Army Signal Research & Oevelopment Lab., Ft. Monmouth, N.J.

 MONOERER, B. ALLEN (S'35-A'41-M'50), Box 1051, Sherman Oaks Sta., Van Nuys, Calif. MONDOR, LOUIS E. (S'56-M'59), 3 Oarling St., Manchester, N.H.

 MONDRES, MORTON (M'58), Electronics Engr., Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 37, Pa. MONDELE, FEOERICK 8. (SM'57), Mem. Tech. Staff, Bell Tel. Labs., North Andover, Mass.

 MONELL, FEOERICK 8. (SM'57), Mem. Tech. Staff, Bell Tel. Labs., North Andover, Mass.

 MONFON, LOUIS (A'42-M'55), Genl. Mgr., Yuan Guan Electric Co., 4 Queen's Rd., Certarl, Hong Kong.

 MONFORT, RAYMOND A. (A'36-SM'45), Tech. Supvr., NBC, 3000 W. Alameda, Burbank, Calif.

 MONG, ROBERT C. (S'51-A'52-S'53-M'56), Engr., Raytheon Mfg. Co., Wayland, Mass.

 MONGEAU, ROBERT A. (S'54-M'57), Electronics Field Engr., Ledb. for Electronics, 1085 Commonwealth Ave., Boston, Mass.

 MONGEON, ROBERT A. (S'54-M'56), Test Equipment Engr., Lab. for Electronics, 1085 Commonwealth Ave., Boston, Mass.

 MONGEON, ROBERT (S'56-M'58), Research Engr., United Alrcraft Corp., Silver Lane, East Hartford, Conn.

- Boston, Mass.
 MONGEON, ROBERT (S'56-M'58), Research Engr., United Aircraft Corp., Silver Lane, East Hartford, Conn.
 MONGEON, ROMALO W. (M'56), Sr. Oev. Engr., Sunnyvale Dev. Center, Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.

- Dev. Center, Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.

 MONCOLD, GUY E., JR. (M'56), 1197 Commonwealth Ave., Allston 34, Mass.

 MONIZ, JOSEPH J. (S'56-M'59), Customer Service Engr., Convair, Ft. Worth, Tex.

 MONK, MCWTON (SM'48), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 MONKHOUSE, JOHN R. (M'47), Lab. Supvr., Rogers Geophysical Co., 3616 W. Alabama, Houston 27, Tex.

 MONKES, JOHN P. (4'58), 1540 S.W. 56 St., Oklahoma City 19, Okla.

 MONKS, GEORGE G. (S'57-A'58), 21 Egmont St., Brook/line 46, Mass.

 MONLEONE, JULES (A'52-M'5B), Sr. Liaison Engr., AC Spark Plug Div., 1925 E. Kenilworth Pl., Milwaukee, Wis.

 MONNIER, HARRY E. (A'52-M'57), Sr. Research Elec. Engr., Research Lab., Allegheny Ludlum Steel Corp., Brackenridge, Pa.

 MONOPOLI, RICHARD V. (A'54), Electronics Dev. Engr., Industrial Oiv., Speidel Corp., 89 Ship St., Providence, R. I.

 MONOS, SOCRATES (M'56), Electronics Engr., Computer

- R.I.

 MONOS, SOCRATES (M'56), Electronics Engr., Computer Div., Bendix Aviation Corp., 5630 Arbor Vitae St., Los Ángeles 45, Calif.

 MONRO, COLIN R. (M'59), 765 Redman Ave., Haddonfield, N.J.

 MONROE, CHARLIE M. (S'58-M'59), Design Engr., Chrysler Missiles Div., Redstone Arsenal, Ala.

 MONROE, DELOY G. (A'46-M'55), May., Design & Dev., Sparton Corp., 2400 E. Ganson St., Jackson, Mich.

 MONROE, FRANCIS R. (S'53-A'54-M'57), Sr. Engr., Bendix Computer, 5630 Arbor Vitae St., Los Angeles 45, Calif.

- 45, Calif.

 MONROE, GEORGE R. (S'51-A'55), Project Engr.,
 IBM, Poughkeepsle, N.Y.

 MONROE, JACK C. (S'49-A'50-M'55), Sr., Engr., Bendix
 Computer, 5630 Arbor Vitae St., Los Angeles 45, Calif.

 MONROE, JAY (A'48), V.P., Tensor Electric Development
 Co., 1873 Eastern Pkwy., Brooklyn 33, N.Y.

 MONROE, JOSEPH E. (A'55), Engr., Western Electric Co.,
 301 Merrit Dr., Greensboro, N.C.

 MONROE, KENNETH E. (S'51-A'51-M'57), Engr., Strand
 Engra, Co., 1354 N. Main, Ann Arbor, Mich.

 MONROE, PAUL P. (A'56), Project Engr., Digital Records,
 Aerophysics Dev. Corp., 6767 Halistic Ave., Goleta,
 Calif.

 MONROE, RICHARD T. JR. (S'48-A'50), Tesh Dir.
- Calif.

 MONROE, RICHARD T., JR. (S'48-A'50), Tech. Dir.,

 Westinghouse Broadcasting Co., Inc., 815 Superior Ave.,

 Cleveland 14, Ohio.

 MONROE, ROBERT B. (A'42-SM'46), Sr. Project Engr.,

 CBS-TV, 485 Madison Ave., New York 22, N.Y.

 MONROE, ROBERT E. (M'56), Research Assoc., Wayne

 State Univ. Computation Lab., 4841 Cass Ave., Detroit
 2, Mich.

- MONROE, THOMAS C., JR. (S'57-M'5B), Asst. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas,
- MONROE, WILLIAM M. (A'58), Pres., Port Arthur College, Port Arthur, Tex.
- Port Arthur, 1ex.

 MONSEES, FRANK G. (A'55), Sr. Electronics Lab. Technician, Guided Missile Div., Republic Aviation Co., 447

 Broadway, Hicksville, L.I., N.Y.
- MONSEES, WILLIAM A. (S'50-A'51-M'57), Engr., ITT Labs., Nutley 10, N.J. MONSHAW, JOSEPH H. (A'55), Maintainer, Telephone & Telegraph, Pennsylvania Railroad Co., 80 S. Clinton Ave., Trenton, N.J.
- Ave., Trenton, N.J.

 MONSHAW, VALDEMAR R. (M'57), Electronic Components Engrg. & Standards, RCA, Camden 2, N.J.

 MONSON, DARREL J. (S'43-A'45-M'51), Assoc. Prof., Elec. Engrg. Dept., Brigham Young Univ., Provo, Utah.

 MONSON, JAMES E. (S'54-M'56), Dev. Engr., Oymec, Inc., 395 Page Mill Rd., Palo Alto, Calif.

 MONT, CHARLES H. (S'49-A'50-M'58), Oesign Engr., Bendix Aviation Coro., 11600 Sherman Way, North Hollywood, Calif.

 MONTAGNON NOFL P. (SES) A SES

- Hollywood, Callf.

 MONTAGNON, NOEL B. (S'51-A'51-M'56), Quality Control-Project Supvr., Computing Devices of Canada, Ltd.,
 Bell's Corners, Ottawa, Ont., Canada.

 MONTAGUE, HILL, III (S'50-A'51-M'58), Consulting
 Project Engr., Melpar, Inc., 3000 Arlington Bivd.,
 Falls Church, Va.
- MONTAGUE, LAWRENCE E. (A'50), Pres. Montague Radio Distributing Co., Box 3045, Beaumont, Tex. MONTAGUE, LYLE L. (S'47-A'50-M'58), Supvg. Engr., Reliability Group, Farnsworth Electronics Co., Ft. Wayne,
- Ind.
 MONTAGUE, NELSON C. (A'54), Electronic Scientist,
 Natl. 8ureau of Standards, Connecticut Ave. & Van Ness
 St., N.W., Washington, D.C.
 MONTALBANO, MICHAEL (A'54), Mgr., Oata Processing,
 & Research, Kaiser Steel Corp., Box 58, Oakland 12,
 Calif.
- MONTALVO, EMANUEL (A'46-M'55), Electronic Scientist, USN Electronics Lab., San Diego 52, Calif. MONTANARI, RAPHAEL E. (A'46-M'55), Prod. Engr., Raytheon Mfg. Co., Waltham 54, Mass. MONTASSER, AHMAO S. (M'56), Electronics Engr., U. S. Army Electronic Proving Ground, 368 Wolfe St., Sierra Vista, Ariz.

- MONTCALM, MICHAEL T. (S'53-A'54), Electronics Engr., Convair, Pomona, Calif.
 MONTCALM, S. R. (M'40-SM'43XL), Engr., Ferris Instrument Co., 110 Comelia St., Boonton, N. J. MONTEITH, ROBERT B. (A'54), Radar Supt., USAF, Nellis AFB, Las Vegas, Nev.
- Nellis AFB, Las Vegas, Nev.
 MDNTELEONE, THOMAS A. (S'55-A'59), Electronics
 Technician, Ford Instrument Co., 31-10 Thomson Ave.,
 Long Island City 1, N.Y.
 MONTELLA, ODMINIC T. (M'56), Electronics Engrg.
 Officer, U. S. Army, Army Signal Air Defense Engrg.
 Agency, Ft. Meade, Md.
 MONTEMADD, 105E-1141160
- MONTEMAYOR, JOSE U. (M'59), Jr. Engr., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, III.

- Chicago 38, III.

 MONTEMURO, ALBERT T. (M'57), Electronics Engr., RCA, Camden, N.J.

 MONTES, GUSTAVO R. (A'47), Engr., Wextrex Co., Ave., Morelos 64, Mexico, O.F.: Mexico.

 MONTES, VENTURA (A'44), Oir., Tech. Oept., Telemundo S.A., 23 y P. Vedado, Havana, Cuba.

 MONTGOMERIE, GEORGE A. (A'54), Dir., Serck Radiators, Ltd., Warwick Rd., Birmingham 11, England.

 MONTGOMERY, A. PEERS (A'28-VA'39-SM'53), Engrg. Specialist, Philico Corp., C & Tioga Sts., Philadelphia 34, Pa.
- MONTGOMERY, ALEXANDER W. (M'31-SM'43-F'54), Joint Genl. Mgr., Standard Telephones & Cables, Ltd., 63 Aldwych, London, WC2, England; Vice-Chmn.,
- S Alowyon, London, W.C., England; Vice-Chmn.,
 Standard Telecommunication Labs., Ltd., Enfield, England;
 Dir., Internatl. Marine Radio Co., Ltd., Croydon, England.
 MONTGOMERY, BRUCE E. (S'34-A'38-M'44-SM'47).
 Electronics Engr., Lockheed Aircraft Coro., Marietta, Ga.
 MONTGOMERY, D. BRUCE (S'55-M'5B), Staff Engr., Arthur
 D. Little, Inc., Cambridge, Mass.
 MONTGOMERY, ONNALO, N. (A'47-M'55), Oev. Engrg. Supwr.,
 Consolidated Electrodynamics Corp., 300 N. Sierra Madre Villa,
 Pasadena 8, Calif.
- MONTGOMERY, OONALD R. (S'50-A'53-M'58), Project Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- MONTGOMERY, EDWARD B. (A'55), Mgr., Systems Analysis, GE Co., Van Ness St., Phoenix, Ariz MONTGOMERY, G., FRANKLIN (M'48-SM'56), Electronic Scientist, Natl. Bureau of Standards, Washington 25, D.C. MONTGOMERY, G.LAOYS T. (A'56), Writer "Electronics", McGraw-hill Publishing Co., 1189 Natl. Press Bldg., Washington 4, D.C.
- McGraw-Hill Publishing Co., 1189 Natl. Press Bidg., Washington 4, D.C.

 MONTGOMERY, HOMER R. (S'56-M'56), Engr., Electronics Tube Div., Sperry Gyroscope Co., Gainesville, Fla.

 MONTGOMERY, JAMES L. (A'53-SM'57), 7s. Electronics Engr., Research & Advanced Dev. Div., Avoo Mfg. Corp., 750 Commonwealth Ave., Boston 15, Mass.

 MONTGOMERY, JEFF O., JR. (M'54), Mgr., Andrew California Corp., 941 E. Mayrlind Ave., Claremont, Calif.

 MONTGOMERY, JOHN N., III (S'42-A'44-M'55), Radio Engr., Office of Signal Officer, Washington 25, D.C.

 MONTGOMERY, JOSEPH D. (S'56-M'57), Engr., Vitro Labs., 14000 Georgia Ave., Silver Spring., Md.

 MONTGOMERY, L. H., JR. (A'45-SM'50), Engr., WSM, Radio Sta., Franklin, Tenn.; Consultant & Research Assoc., Vanderbilt Univ., Med. School, Nashville, Tenn.

 MONTGOMERY, ROBERT H., JR. (A'57), Pres., R.H., Montgomery Enterprises, Inc., Amnity Rd., Woodbridge, Conn.

 MONTGOMERY, ROBERT L. (M'59)

- MONTGOMERY, ROBERT L. (M'59), Supvr., Timing & Communications, Land-Air, Inc., Box 394, Holloman,
- MONTGOMERY, WARDWELL M. (A'54-M'57), Zone Mgr., 2-way Radio Sales, Motorola Communications & Electronics, Inc., 716 N. Freedom St., Ravenna, Ohio.

- MONTGOMERY, WILLIAM C. (M'57), Engr., WSM, Inc., R.F.D. 5, Franklin, Tenn. MONTGOMERY, WILLIAM D. (A'43-M'45-SM'54), Mngt. Dev. Suppr., Cincinnati & Suburban Bell Tel. Co., 225 E. 4 St., Cincinnati 2, Ohio.
- 4 St., Cincinnati a, Suburban Bell Tel. Co., 225 E.

 4 St., Cincinnati 2, Ohio.

 MONTICELLO, WILLIAM A. (5'52-A'53), Dev. Engr.,

 Burrough Corp., 6071 2nd Ave., Detroit 32, Mich.

 MONTI-GUARNIERI, GAETANO (A'46), Chief Radio Engr., F.
 I. Magneti Marelli, Sesto S. Giovanni, Milano, Italy.

 MONTIJO, RALPHE., JR. (A'54-M'55), Mgr., West Coast
 Electronic Data Processing Engrg., RCA, 11819 W. Olympic
 Blvd., Los Angeles 64, Calif.

 MONTILOR, JAMES A. (A'54-M'55), V.P. & Chief Engr.,
 Essex Electronics, 550 Springfield Ave., Berkeley Heights,
 N.J.
- MONTOYA, ESEQUIEL K. (A'57), Digital & Analog Pro-grammer, Sandia Corp., Sandia Base, Albuquerque, N.M. MONTOYA, EUGENE, JR. (SM'58), Design Engr., RCA-Victor, 500 N. La Salle, Indianapolis 1, Ind. MONTOYA, JAMES R. (A'56), Capt., U.S. Army, Asst. Post Signal Officer, Office of the Post Signal Officer, Ft. Hood, Tex.
- Hood, Tex.

 MONTREN, WILLIAM (M'59), Supvr., Test Engr., Lewyt Mfg. Corp., 43-22 Oueens St., Long Island City, N.Y.

 MONTROSS, ROBERT A. (A'54), Mgr., Electronics Sales, Graybar Electric Co., 115 W. McMicken, Cincinnati, Ohio. MONTUORI, ANTHONY V. (S'50-4'51-M'56), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 MONTURO, JOSEPH B. (S'50-4'51-M'58), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 MONTY, BERTRAM E. (M'58), Supvy. Electronics Equipment Inspector, Winston-Salem, N.C.

 MONUKI, ALBERT T. (M'57), 1818-81-55.

- MONUKI, ALBERT T. (M'57), 1818 Blake St., Berkeley 3,
- MODDEY, HANNAH C. (SM*51), Engr., RCA, Lancaster,
- MOODY, CHARLES S. (S'42-A'46-M'55), Capt., U.S. Army, Signal Corps, Hurs., 6th U.S. Army, Sto. Det. with Sta. at Stanford Univ., San Francisco, Calif.

- Stanford Univ., Sail Francisco, Calif.

 MODDY, DONALD G. (M'53), Sr. Avionics Group Engr.,
 Convair, San Diego, Calif.

 MODDY, HOMER L. (S'57-M'58), Mem. Tech. Staff, Ground
 Systems Div., Huphes Aircraft Co., Fullerton, Calif.

 MOODY, J. MARVIN (M'53), Head Patent Atty., Collins
 Radio Co., Cedar Rapids, Iowa.

 MOODY, J. ROGER (S'56-M'59), 32-44 214 Pl., Bayside,
 L.I., N.Y.

 MOODY, JAMES G. C. (S'50-A'51-M'55), Electronics
 Scientist, USN Mine Defense Lab., Panama City, Fla.

 MOODY, BAMES G. C. (A'32-M'41-SM'43), Chief Engr.,
 Technical Prods. Co., 6670 Lexington Ave., Hollywood
 3B, Calif.

 MOODY, ROBERT D. (S'55-M'58), Assoc Engr., Doubles
- MOODY, ROBERT D. (S'55-M'58), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif. MOODY, ROBERT E. (S'50-A'51-M'56), Chief Project Engr., Beckman Instruments, Inc. 2500 Fullerton Rd., Fullerton, Calif. MOODY, WILLARD R. (A'41-M'45), Staff Asst. to Chief Project Engr., Ryan Aeronautical Electronics Oiv., San Diego, Calif.

- Project Engr., Ryan Aeronautical Electronics Oiv., San Diego, Calif.

 MODDY, WILLIAM L. (S'56-M'59), Electronics Engr., RCA, Camden 2, N. J.

 MOGERS, CALVIN N. (A'43-M'55), Prop. & Dir., Research, Zator Co., 140½Mt. Auburn St., Cambridee 38, Mass.

 MODERS, HOWARD T. (S'47-A'51-SM'55), Staff Asst., Semiconductor Prods., Minneapolis-Honeywell Regulator Co., 2747 4 Ave., S., Minneapolis-Honeywell Regulator Co., 2747 4 Ave., S., Minneapolis-Honeywell Regulator Co., 2747 4 Ave., S., Minneapolis-Honeywell Regulator Co., 2747, Value 2, S., Minneapolis-Honeywell Regulator Co., 250, Minneapolis-Honeywell-Regulator Co.,

- MOON, RUSSELL F. (S'45-A'48-M'55), Asst. Dir., Electronics Shore Div., 8ureau of Ships, Navy Dept., Washington 25, D.C.
 MOONEY, DAVID H., JR. (S'48-A'49-M'55-SM'56), Fellow Engr., Westinghouse Elec. Co., Friendship Internati. Airport, Baltimore 27, Md.

- Internatl. Airport, Baltimore 27, Md.
 MONNEY, GEORGE F. (S'52-A'53), Lead Engr., Rocketdyne, 596-61 Canopa Park, Calif.
 MOONEY, JOHN, JR. (M'55), Electronics Engr., The Pennsylvania Railroad Co. 6 Penn Center Plaza, Philadelbhia 4. Pa.
 MOONEY, MARK JR. (4755), Publisher, Mooney-Rowan
 Publications, Severna Park, Md.
 MOONEY, RICHARD M. (S'55-M'56), Mfg., GE Co., Syracuse, N.Y.
- M.Y.

 MONEY, ROBERT E. (M'57), Asst. Oir., C&E Plans & Requirements, Norad Hdrs., Colorado Springs, Colo.

 MONEY, VINCENT J. (A'41-5M'55), Sect. Mgr., The W.L. Maxson Coro., 460 W. 34 St., New York, N.Y.

 MOONEY, WILLIAM J., JR. (S'57-A'59), 7922 Lorettr Ave., Philadelphia 11, Pa.

 MOONS, AORIAN G., JR. (S'48-A'49-M'55), Lamp Engr., Tung-Sol Electric, Inc., 370 Orange St., Newark, N.J.

 MOORCROFT, DONALD R. (S'56-M'57), Oept. of Physics, Univ. of Saskatchewan, Saskatoon, Sask., Canada.

 MOORE, A DONALO (S'44-A'47-M'53-SM'56). Assoc
- Univ. of Saskatchewan, Saskatoon, Sask., Canada.
 MOORE, A. DONALO. (S'44A-4'47-M'53-SM'56), Assoc.
 Prof., Elec. Engro., Univ. of British Columbia, Vancouver
 B, B. C., Canada.
 MOORE, AOAM H. (A'29-M'47), Electronic Engr., Bureau of
 Ships, Navy Oepk., 1800 Constitution Ave., N.W., Washington 25, J. C.
- MOORE, ALBERT W., JR. (S'57-M'59), Trainee Foreman, Production & Quality Control, Ford Motor Co., 2 Stewart, Ypsilanti, Mich.
- Ypsilanti, Mich.

 MODRE, ANTON S. (A'59), Test Engr., Bomac Labs.,
 Inc., Salem Rd., Beverly, Mass.

 MODRE, ARMISTEAD M. (M'54), Geophysicist, Humble Oil
 & Refining Co., Houston, Tex.

 MOORE, ARTHUR M. (A'56), Electronics Technician, Dept.
 of Natl. Defence, Air, Lincoln Park, Alta., Canada.

 MODRE, ARTHUR R. (S'57-M'58), 327 6 Ave., S.E.,
 Minneapolis 14, Minn.
- MOORE, BASCOM G., JR. (A'54), Tech. Field Office Chief, FAA, Box BOB, Pensacola, Fla.

MOO-MOR - 303 --

- MOORE, BERNARO E. (A'56-M'56), Engr., Jefferson Standard Broadcasting Co., WBTW, Florence, S.C.
 MOORE, BURTEN W. L. (A'54), Parts Approval, Sylvania
 Electric (Canada), Ltd., Dunnville, Ont., Canada.
 MOORE, C. RYLAND, JR. (A'52), Sr. Engr., Westinghouse
 Elec. Corp., Friendship Internatl. Airport, Baltimore 27,
 Md.
- MOORE, CHARLES (S'57-M'59), Field Engr., Federal Electric Corp., 621-671 Industrial Ave., Paramus, N.J. MOORE, CHARLES E. (M'47-5M'56), Mgr., Radar Engrg., Industrial Electronic Prods., RCA, 75 Varick St., New York 13, N.Y.
- YOR L.J. N.Y.

 MOORE, CHARLES R. (A'5B), Project Engr., Power
 Equipment, 317 Hardingway, E., Gallon, Ohlo.

 MOORE, CLARENCE C. (M'46), Pres. & Owner, Internati.
 Radio & Electronics Corp.; Geni. Mgr. & Owner, WCMR,
 Box 261, Elkhart, Ind.
- MOORE, CLARENCE H. (A'52-M'45), 214 Pershing Rd., Raleigh, N.C.
- Raleigh, N.C.

 MOORE, DANIEL O., JR. (S'54-M'56), Elec. Engr.,
 Martin Co., Baltimore, Md.

 MOORE, DONALO A. (S'53-A'54), Engr., Dept. of Transport,
 Radio Aid, #3 Temporary Bidg., Ottawa, Ont., Canada.

 MOORE, DONALD G. (M'52-SM'55), Mgr., Research,
 Whiripool Corp., St. Joseph, Mich.

 MOORE, DONALD G. (A'59), RCAF Sta., Cranberry Portage,
 Man., Canada.

- Man., Canada.

 MOORE, DONALO P. (M'58), Electronics Instr., Franklin
 Univ., 40 W. Long St., Columbus, Ohio.

 MOORE, DONALD W. (S'51-A'52-M'58), Project Engr.,
 Electro Solids Corp., 13745 Saticoy, Panorama City,
 Calif.

- Calif.

 MODRE, DOUGLAS H. (M'55), Asst. Prof., Mathematics, California State Polytechnic College, Pomona, Calif.

 MODRE, EDWARD B. (M'52-SM'55), Sr. Engr., Aircraft Radio Corp., Boonton, N.J.

 MODRE, EDWARD F. (A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 MOORE, EDWARD J. (S'51-M'53), Mgr., San Diego Office, Neely Enterprises, 1055 Shafter St., San Diego 6, Calif. MOORE, ELVET E. (S'52-A'53-M'58), Engr., RCA, Camden, N.J.

 MOORE, ERNEST F. (M'55), Mail. IISAE Comb AED.
- MOORE, ERNEST F. (M'55), Maj., USAF, Cook AFB,
- Calif.
 MOORE, ERNEST G., JR. (S'57-M'57), Field System
 Engr., IBM, Kingston, N.Y.
 MOORE, ERNEST J. (S'46-A'46-SM'51), Head, Systems
 Evaluation Group, Stanford Research Institute, Menlo Park,
 Calif.
- MOORE, ERNEST J. (S'53-M'56), Engr., Transmission, H.Q. Staff, Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal, P.Q., Canada.
- MOORE_ERNEST J. (M'58), Mgr., Alaskan Air Command, RCA Service Co., Govt. Service Dept., Camden 8, N.J. MOORE_ERNEST P. (S'54-A'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

- Tel. Labs., Murray Hill, N.J.

 MORE, FLETCHER H. (A'48-SM'54), Asst. V.P., Hazeltine Electronics Giv., Little Neck, L.I., N.Y.

 MOORE, FRAMK B. (SM'59), Asst. Prof., Engrg., Pennsylvania State Univ., University Park, Pa.

 MOORE, FRED F. (A'54), Engrg. Aide, Rome Air
 Development Center, Griffiss AFB, N.Y.

 MOORE, GARLANO H. (M'57), Engrg. Tech. Writer,
 Raytheon Mfg. Co., Box 949, Oxnard, Calif.

 MOORE, GARVIN M., JR. (S'50-A'51-M'56), Sr. Oesign
 Engr., Raytheon Mfg. Co., Bedford, Mass.

 MOORE, GEORGE E. (M'47), Research Physicist, Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.

 MOORE, GEORGE E. (M'48), Mgr., Graduate Student
 Training, Educational Dept., Westinghouse Elec. Corp.,
 East Pittsburgh, Pa.

 MOORE, GEORGE F. (S'49-A'50-M'55), Semi-Conductor
- Last Pittsburgh, Pa.

 Bast Pittsburgh, Pa.

 MODRE, GEDRGE F. D. (S'49-A'50-M'55), Semi-Conductor Applications Engr., GE Co., 1026 Van Ness, Tempe, Ariz.

 MOORE, GERALO O. (SM'57), Sect. Mgr., Philico Corp., 3875 Fabian Way, Palo Alto, Calif.

 MOORE, H. NELSON (A'43-M'55), Partner, Moore & Hall, 1200 18 St., N.W., Washinston 6, D.C.

 MOORE, HAROLD A. (A'41-M'55), Radio Research Engr., RCA Labs., 140 Lake Ave., Riverhead, L.I., N.Y.

 MOORE, HARRY H. (A'47-M'49), Co-owner, TV Associates, 7504 Troost, Kansas City 5, Mo.

 MOORE, HERBERT I. (M'55), CWO, Electronics Officer, USAF, 54 Ftr-INT CP Sa., Elisworth AFB, S.D.

 MOORE, HOLMES S. (A'51-M'58), Staff Asst. to Chief Engr., Melpar, Inc., 3000 Arington Blvd., Falls Church, Va.

 MOORE, HORACF F. (S'58-M'50), 745 E. DO.S.

- Va.

 MOORE, HORACE E. (S'5B-M'59), 745 E. BO St., Chicago 19, III.

 MOORE, HYATT E. (SM'56), Engrg. Mgr., W. Bert Knight Co., 10377 W. Pico Blvd., Los Angeles 64, Calif.

 MOORE, J. BURTON (A'26-VA'39), Supt., Communications; Supvr., Water Transactions, Wyandotte Chemicals Corp., Biddle Ave., Wyandotte, Mich.

 MOORE, J. HAROLD (SM'46), Personnel Dir., Western Electric Co., 195 Broadway, New York 7, N.Y.

 MOORE, J. KENNETH (M'57), Staff Scientist to Pres., CBS Labs., 227 High Ridge Rd., Stamford, Conn.

 MOORE, JACK A. (A'53-M'5B), Chief Engr., Aero Guidance Corp., 873 Linden Ave., Carpinteria, Calif.

 MOORE, JACK G. (A'53-M'5B), Oata Processing Machines Tech. Specialist, IBM, 10045 Nobel Ave., San Fernando, Calif.
- MOORE, JACK M. (M'56), Westinghouse Elec. Corp., 32 N. Main, Dayton 2, Ohio. MOORE, JAMES D. (A'54), Electronics Technician, Laag Designs, Inc., 1032 W. Evelyn, Sunnyvale, Calif.
- signs, Inc., 1032 W. Evelyn, Sunnyvale, Callf.

 MOORE, JAMES E. (A'53), Electronics Engr., StrombergCarlson Co., 1895 Hancock St., San Oigeo 12, Calif.

 MOORE, JAMES E. (A'54), Electronics Engr., USAF, Det.
 5, 6910th Radio Group Mobile, APO 114, New York, N.Y.

 MOORE, JAMES E. (S'55-A'56), Fliter Technician, Burnell
 & Co., Inc., 10 Pelham Pkwy., Pelham Manor, N.Y.

 MOORE, JAMES E., JR. (S'56-M'58), Oesign Engr.,
 Chance-Vought Aircraft, Oalias, Tex.

 MOORE, JAMES M. (S'53-A'53-M'59), Elec. Engr., Univ.
 of California Radiation Lab., Livermore, Calif.

 MOORE, JERRY L. (S'57-M'59), Engr., Melpar, Inc.,
 3000 Arlington Blyd., Falls Church, Va.

 MOORE, JESSE G. (A'58), Resident Coordinator, Texas Instruments, Inc., 13500 N. Central Expressway, Oalias, Tex.

- MOORE, JOE W. (A'52-M'57), Sr. Test Staff Engr., IBM, Poughkeepsie, N.Y.
- r Juguri Reguste, N. 7.

 MOORE, JOHN B. (A'26-M'38-SM'43), Staff Engr., RCA
 Communications, Inc., 66 Broad St., New York 4, N.Y.

 MORE, JOHN B., JR. (A'5B), RFD 1, Box 13B, Portsmouth,
 Va.
- MOORE, JOHN C., JR. (A'48-M'50), Supvg. Instr. of Fixed Sta. Receivers, The Signal School, Dept. Specialist Train-ing, Ft. Monmouth, N.J.
- MOORE, JOHN O. (M'56), Radio Inspector, Telecommunica-tions Div., Dept. of Transport, 404 Public Bidg., Calgary, Alta., Canada.
- MOORE, JOHN D. (M*58), Research Engr., Southwest Research Institute, 8500 Culebra Rd., San Antonio 6,
- Tex.

 MOORE, JOIIN O. B. (M'50), Service Mgr., Bach-Simpson,
 Ltd., 1225 Brydges St., London, Ont., Canada.

 MOORE, JOHN R. (SM'52-F'5B), V.P. & Genl. Mgr.,
 Autonetics Oiv., No. Amer. Aviation, Oowney, Calif.

 MOORE, JOHN W. (SM'56), Assoc. Chief, Lab. of Biophysics, NINOB, Natl. Institute of Health, Bethesda 14, Md.

- MOORE, JOHN W. (SM'56), Assac. Chief, Lab. of Biophysics, NINOB, Natl. Institute of Health, Bethesda 14, Md. MOORE, JOSEPH M. (4'49-M'55), Supur, Radlo & Radar, Northrop Aircraft Co., Hawthome, Callf. MOORE, JOSEPH T., JR. (S'53-A'56), Electronics Technician, George Voron Co., 835 N. 19 St., Philadelphia, Pa. MOORE, KENDRIC A. (S'41-A'43-M'44), Div., Radio Engr., Pan American World Airways, Pacific-Alaska Div., Internatl. Airport, San Francisco, Callf. MOORE, KENNETH A. (M'5B), Application Engr., RCA, 1908 Bannard St., Riverton, N.J. MOORE, KENNETH F. (A'53), Electronics Engr., ITT Labs., 370D E. Pontlac, Ft. Wayne, Ind. MOORE, LENNETH M. (S'55). Chief Engr., V.P., Moore Associates, Inc., 2600 Spring St., Redwood City, Callf. MOORE, LEONARD W. (S'55-A'55), Systems Research Engr., Swanson Engrg. & Mfg. Co., 1133 E. Redondo Blvd., Inglewood, Callf. MOORE, LOYD C. (A'52)—157), Supvr., Tech. Operations, Northern & Armed Forces Services, Canadian Broadcasting Corr., Box 806, Ottawa, Ott., Canada. MOORE, LOYD C. (A'59). 162 Lakeside, Brvan. Tex. MOORE, MORNE, H. A. 4-50-M'55), Research Engr., Aeronutronic Systems, Inc., 1234 Air Way, Glendale, Callf.

- Calli.
 MOORE, MORTON E. (M'58), Engrg. Specialist, Autonetics Div., No. Amer. Aviation, Downey, Calli.
 MOORE, NEIL E. (S'56-M'57), Aerophysics Engr., Analog
 Lab., Convair, Ft. Worth, Tex.
- MOORE, NORMAN A. (S'4B-A'52-M'57), Engr., Northem Elec, Co., Ltd., 250 Sidney St., Belleville, Ont., Canada. MOORE, NORMAN H. (SM'55), V.P., Litton Industries, San Carlos, Calif.
- MOORE, PAUL H. (M'57), Sr. Microwave Engr., Radiation Inc., Melbourne, Fla.
- Inc., Melbourne, Fla.

 MODRE, PETER G. (A'55), Elec. Engr., RCA, 11B19

 W. Olympic Blvd., Los Angeles 64, Calif.

 MOORE, RAYMOND T. (SM'57), V.P. & Genl. Mgr., Natl.
 Electronics Labs., Inc., 1713 Kalorama Rd., N.W.,
 Washington 9, D.C.

 MODRE, RICHARD K. (S'43-A'46-M'50-SM'54), Chmn.,
 Elec. Engrg. Dept., Univ. of New Mexico, Albuquerque,
 N.M.
- N.M.

 MOORE, RICHARO L. (A'52-M'57-SM'59), Electronics Engr., Air Research & Dev. Command, Air Defense Systems, Integration Div., Hanscom Field, Bedford, Mass. MOORE, RICHARD L. (S'157-M'57), Electronics Engr., Brown Engrg. Co., Huntsville, Ala. MOORE, RICHARD P. (S'57-M'59), Elec. Engr., IBM, Corp., Owego, N.Y.

 MOORE, ROBERT A. (S'54-M'58), Sr. Engr., Westinghouse Elec. Corp., Baltimore 3, Md.

 MOORE, ROBERT C. (S'32-A'34-SM'51-F'55), Sect. Engr., R. & T Olv., Philico Corp., Tloga & C Sts., Philadelphia 34, Pa.

 MOORE, ROBERT C. (M'59), Sr. Engr., Haller, Raymond

- Philadelphia 34, Pa.

 MOORE, ROBERT C. (M'59), Sr. Engr., Haller, Raymond & Brown, Inc., 124 N. Atherton St., State College, Pa.

 MOORE, ROBERT D., JR. (A'51), V.P., Allied Instrument Labs., 8238 Travelair, Houston 17, Tex.

 MOORE, ROBERT E. (M'56), Supvy, Electronics Engr., Oklahoma City, Okla.

 ROBERT F., JR. (M'56), Elec. Engr., Ciba
 Pharmaceutical Prods., Inc., 556 Morris Ave., Summit, N.J.

 MOORE, ROBERT L. (A'54), Physician, 2103 Passake, Pd.

 MOORE, ROBERT L. (A'54), Physician, 2103 Passake, Pd.

- MOORE, ROBERT L. (A'54), Physician, 2103 Roanoke Rd., San Marino 9, Calif.

- San Marino 9, Calif.

 MOORE, ROBERT L. (M'52), Service Mgr., Blvins & Caldwell, Inc., 1923 N. Main St., High Point, N.C.

 MOORE, ROBERT M. (SM'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 MOORE, ROBERT T. (A'47-M'56), Engr., Hughes Aircraft Co., Fullerton, Calif.

 MOORE, ROBERT W. (A'56), 1st.Lt., USAF, Instr., Communications Officers Course OBR 3031, Keesler AFB, Miss.

 MOORE, SAMUEL D. (SM'5B), 2012 Topper St., Ft. Worth 15, Tex.

 MOORE, SAULF., JR. (S'49-A'51-M'56), 3627 Truman

- 15, Tex.

 MODRE, SAUL F., JR. (S'49-A'51-M'56), 3627 Truman St., Columbia, S.C.

 MOORE, STEWART F. (S'48-A'49-M'54), Patent Atty., American Machine & Foundry Co., 261 Madison Ave., New York 16, N.Y.

 MOORE, THOMAS A. (M'56), Sr. Engr., Electronics Dev., Martin Co., Sand Lake Rd., Orlando, Fla.

 MOORE, THOMAS E. (S'52-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., White Sands Missile Range, N.M.

 MOORE, THOMAS H. (S'50-A'53-M'58), Research Engr., RCA, Princeton, N.J.

 MOORE, THOMAS O. (M'56-SM'59), Sr. Dev. Engr., Consolidated Electrodynamics Corp., 620 N. Lake

 Ave., Pasadena, Calif.

 MOORE, THOMAS W. (S'54-M'58), Instr., Orexel Institute
- MODRE, THOMAS W. (5'54-M'58), Instr., Orexel Institute of Technology, 32 & Chestrut Ste., Philadelphia, Pa. MyORE, VERNON (SM'45), Project Engr., Stoddart Aircraft Radio Co., Inc., 6644 Santa Monica Blvd., Hollywood, 38, Calif.
- MOORE, W. CULLEN (A'37-SM'44), Exec. Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Arrz.
 MOORE, WALLACE J. (A'54), Plant Staff Asst., Pacific Telephone & Telegraph Co., 417 S. Hill St., Los Angeles, Calif.

- MOORE, WARO J. (A'45), Electronics Scientist, Diamond Ordnance Fuze Labs.. Washington 25. D C C MOORE, WARREN, JR. (M'54), Research Engr., Brown Instru-ments Div., Minneapolis-Honeywell Regulator Co., Wayne & Windrim Aves., Philadelphia 44, Pa.

- Ordnance Fuze Labs., Washinoton 25. D. C.

 MOORE, WARREN, JR. (M'54), Research Engr., Brown Instruments Div., Minneapolis-Honeywell Regulator Co., Wayne & Windrim Aves., Philadelphia 44, Pa.

 MOORE, WARREN L. (A'53-M'59), Quality Control Engr., RCA Service Co.. Gloucester. N. J.

 MOORE, WILLIAM C. (A'45-M'55), Dept. Chief, Western Electric Co., Lexington Rd., Winston-Salem. N. C.

 MOORE, WILLIAM H., IV (S'53-M'56), Lt. Jp., USN. Home: 1016 St. George Rd., Winston-Salem. N. C.

 MOORE, WILLIAM L., IV (S'53-M'56), Lt. Jp., USN. Home: 1016 St. George Rd., Baltimore 10, Md.

 MOORE, WILLIAM L., (S'56-M'59), Engr., WOAE & WOAE-FM, 114 N. Franklin St., Tampa 2, Fla.

 MOORE, WILLIAM L., (S'15-G.), Chief Engr., WOAE & WOAE-FM, 114 N. Franklin St., Tampa 2, Fla.

 MOORE, WILLIAM L., (S'15-G.), Research Engr., Worth Well Surveys, Inc., 36-29 McCart Ave., Ft. Worth 10, Tex.

 MOORE, WILLIS F. (A'56), Research Engr., Worth Well Surveys, Inc., 36-29 McCart Ave., Ft. Worth 10, Tex.

 MOORE, WILLIS F. (A'56), Research Engr., Worth Well Surveys, Inc., 36-29 McCart Ave., Ft. Worth 10, Tex.

 MOORE, WILLSON H. (A'50-M'50), Research Engr., Electrodymanics Staff, Boeing Airplane Co., Renton, Wash.

 MOORHEAD, FELORGE H. (A'26-VA'39-M'55), Planning Engr., Defense Projects Div., Western Electric Co., 220 Church St., New York 13, N. Y.

 MOORHEAD, PHILLIP E. (A'52-M'57), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 MOORHOUSE, THOMAS R. (A'54), Sr. Research Engr., No. Amer., Aviation, Downey, Calif.

 MOOR, ANTHONY M. (M'54), V.P., Patterson, Moos Div., Universal Winding Co., 90-28 Van Wyck Expressway, Jamaica 18, L.I., N. Y.

 MOOSE, Collis F. (S'41-A'43-M'55), Electron Device Dev. Engr., Bell Tel. Labs., 555 Union Blvd., Allentown, Pa.

 MOOSE, SULLIAM A. (S'54-A'55), Electronics Engr., Wissile Engrg., Tests, Boeing Airplane Co., Seattle, Wash.

 MOUNIN, ALE. (A'59), Research Engr., Ministry of Defence, Scientific Derk, Box 7063, Hakirya, Tel-Aviv, Israel.

 MORAN, JAMES M. (S'54-A'55), Electronics Engr., Varian Associates, 611 Hansen Way, Pal

- MORAN, WILLIAM G. (A'35), Mgr., Mfg. & Engrg., Microwave Tubes, Westinghouse Elec. Corp., 8ox 284, Elmira, N.Y.
- N.Y.

 MORAN, WILLIAM R., JR. (S'54-A'55), Tech, Engr., IBM, Poughkeepsie, N.Y.

 MORAND, GUY O. (A'59), Electronics Technician, Loral Electronics Corp., 825 Bronk River Ave., New York 72, N.Y.
- MORANT, ADRIAN J. (A'57-M'58), Tech. Sales Engr., Solartron Electronic Group, Ltd., Queens Rd., Thames Ditton, Surrey, England.
- Uitton, Surrey, England.

 MORATZ, WERNER P. (A'57), Plant Engr., Gould-Natl.

 Batterles, Ltd., Ft. Erle, Ont., Canada.

 MORAVEC, CHARLES T. (A'57), Communications Systems

 Group Engr., Martin Co., Box 179, Denver 1, Colo.

 MORAVEK, EDWARO J. (A'54), Engr., Westinghouse Broad
 casting Co., KYW-TV, B15 Superior Ave., Cleveland 14,

 Ohio.
- Ohio.

 MORAWETZ, FREDERICK (M'46), Mgr., Shaver Oiv., Research & Dev., Sunbeam Corp., 5600 Roosevelt Rd., Chicago, Ill.

 MORCH, VERNER H. (A'33), Dept. Mgr., Commercial Engr., Philips A/S Strandlodsvei 2, Copenhagen 5., Denmark.

 MOROECAI, MYRON J. (S'56-M'57), Asst. Project
 Engr., Bendix Radio Div., Towson, Md.
- MORDKOWITZ, IRVING (A'52-M'57), Electronics Design Engr., Loral Electronics, Inc., 825 Bronx River Ave., Bronx 72, N.Y. MORE, CLIFTON C. (A'29-VA'39-M'55), Engr., RCA, Camden, N.J.

- Bronx 72, N.Y.

 MORE, CLIFTON C. (A'29-VA'39-M'55), Engr., RCA, Camden, N.J.

 MORE, CLIFTON C. (A'29-VA'39-M'55), Engr., RCA, Camden, N.J.

 MORE, HARRY Y. H. (M'57), Mgr., Westrex Co., Asia, 401 Victory House, Wyndham St., Hong Kong.

 MOREAU, ALBERT (S'56-M'58), Field Engr., Hughes Aircraft Co., Culver City. Calif.

 MOREAU, FRANCIS E. (S'55-A'56), Sr. Electronics Technician, Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. MORECROFT, JOHN H., JR. (A'44-SM'45), Research Engr., Northrop Aircraft, Hawthome, Calif.

 MOREHOUSE, GERALD D. (A'45-M'55-SM'56), Sr. Staff Mem., Motorola Research Lab., 8330 Indiana Ave., Riverside, Calif.

 MOREIRA, JOSE S. (A'55), Chief Engr., Underground Distribution, Sao Paulo Light S.A., Elec. Dept., Calxa Postal 8026, Sao Paulo, Brazil.

 MOREIRA, NELSON M. (S'52-A'54), Elec. Design Engr., Consolidated Edison Co., 4 Irving Pl., New York 3, N.Y.

 MOREL, PIERRE (A'57), Scientific Atlache, French Embassy, 9725 Ave., New York 21, N.Y.

 MORELL, PIERRE (A'57), Scientific Atlache, French Embassy, Marquardt Aircraft Co., 2709 N., Garey, Pomona, Calif.

 MORELLI, ALESSANDRO (S'44-A'46-M'55), Engrg. Mgr., Sylvania Elec. Prods., Inc., Waltham. Mass.

 MORELLI, MICHAEL (A'53-M'59), Electronics Engr., Griffiss AF8, Rome, N.Y.

- MORELOCK, JAMES (A'35-VA'39-SM'51), Consulting Engr., The Morelock Co., Millington. N.J.
- Engr., The Morelock Co., Millington. N.J.

 MORENO, CHARLES A. (S'40-A'41-SM'54), Sr. Staff
 Engr., Space Technology Labs., Inc., Box 95001, Los
 Angeles 45, Calif.

 MORENO, CYRUS N. (S'57-M'5B), Engr., ITT Labs.,
 Nutley 10, N.J.

 MORENO, MANUEL R. (M'55), Fleld Engr., Philoc Corp.,
 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 MORENO, MAXIMINO, GIS3

- MORE NO, MAXIMINO (A'53), Electronics Engr., Industrial Mgr., 10NO, USN Sta., San Juan, Puerto Rico. MORENO, THEODORE (S'41-A'44-M'55), Mgr., Research & Oev., Tube Oiv., Varlan Associates, 611 Hansen Way, Palo Alto, Calif.
- MORRIOFF, EOWARO (S'56-M'59), 2nd Lt., USAF, Systems Engr., Rome Air Oevelopment Center, Griffiss AFB, N.Y.

- AFB, N.Y.

 MORENZ, PAUL W. (A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MORETH, WILLIAM J. (S'57-A'59), Field Engr., Raytheon Mig. Co., Waltham, Mass.

 MORETTI, WHITFIELO W. (M'56), Sect. Head, Sperry Gyroscope Co., Great Neck., L.I., N.Y.

 MORETZ, LAWRENCE A. (A'51-M'56), Supvg. Engr., The Bell Tel. Co. of Pennsylvania, 210 Pine St., Harrisburg, Pa.
- Pa.

 MOREWOOD, HENRY W. (S'54-A'54-M'59), Oefense Scientific Officer, Defense Research Board of Canada, CARDE, Box 1427, Quebec, P. Q., Canada,

 MOREY, ART M. (A'22-M'46), Production Chief, KWJJ, 931 S. W. Kino. Portland S. Ore.

 MOREY, FRANCIS C. (M'54), Asst. Chief, Mine Fuze Branch, Oiamond Ordnance Fuze Labs., Washington 25, O.C.

- MOREY, GIFFORO A. (A'55), Dev. Engr., IBM, Pough-
- keepsie, N.Y.
 MOREY, PAULE, F. (M'59), Component Engr., Raytheon
 Mfg. Co., Maynard, Mass.
 MOREY, RICHARO F., JR. (A'52-M'57), Applications
 Engr., Clevite Transistor Prods. Co., 241 Crescent St.,
 Waitham 54, Mass.

- Waitham 54, Mass.

 MOREYN, HILLARD J. (5'55-M'56), Electronics Research Engr. 'A', Lockheed Missile & Space Oiv., Army Missile Range, Patrick AFB, Fla.

 MORFIN, HENRY W. (5'52-A'54), Flight Test Group Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y.

 MORFITT, OERRICK C. (5'50-A'51-M'56), Chief Engr., Amplenol Canada, Ltd., 300 Campbell Ave., Toronto 9, Ont., Canada.
- MORFORO, RAYMONO V. (A'59), Supvr., Outside Instition, Standard Telephones & Cables, Montreal, P.Q., Canada.
- Canaoa.

 MORGAN, ALBERT W. (S'57-M'5B), Flight Test Engr.,
 Convair, San Olego, Calif.

 MORGAN, ALTON O. (A'56), Supvr., Electronics Wiring
 Lab., Army Ballistic Missile Agency, Redstone, Ala.

 MORGAN, ALVIN H. (A'46-M'47), Chief, Radio Broadcast
 Services Sect., Radio Standards Div., Natl. Bureau of
 Standards, Boulder Labs., Boulder, Colo.

- Standards , Boulder Labs ., Boulder , Colo.

 MORGAN , BERNARO S . , JR . (S'57-M'59) , Capt . , USAF ,
 Graduate Asst ., Aero Oept ., Air Force Institute of Technology , Wright-Patterson AF B , Ohio.

 MORGAN , CHARLES C . , JR . (M'57) , Instrumentation Engr .,
 ARO , Inc. ., Tullahoma , Tenn.

 MORGAN , CLIFFORO L . (S'54-M'56) , Officer , USN ,
 Staff , Commander Carrier Div . 20 , FPO , New York , N .Y .

 MORGAN , OONALO R . (M'57) , Box 1394 , Notre Oame ,
 Ind .
- MORGAN, EOGAR O. (S'4B-A'50-M'55), Chief Engr., Univac, Bureau of the Census, Suitland, Md. MORGAN, EOWARO J. (M'59), Sr. Mem. Tech. Staff, RCA,

- MORGAN, EOWARO J. (M'59), Sr. Mem. Tech. Staff, RCA, Tucson, Ariz.
 MORGAN, EOWARO K. (A'55), Supvr., Field Operations, Muzak Corporation, 229 4 Ave., New York 3, N.Y.
 MORGAN, GRADY T. (S'51-A'53-M'58), Engr., Westem Electric Co.. Lexindton Rd., Winston-Salem. N.C.
 MORGAN, GRIFFITH M. (M'46), Griffith M. Morgan & Co., 1912 Birchwood Ave., Chicago 26, Ill.
 MORGAN, HARRY C. (A'53-SM'59), Mem. Tech. Staff, Ramo-Wooldridge Div., Dox 90534, Airport Sta., Los Angeles, Calif.
 MORGAN, HARVEY L. (M'49), Physicist, Hyper-Tension Lab., Box 10262, Phoenix, Ariz.
 MORGAN, HOWARO K. (A'27-M'41-SM'43-F'57), Oir., Commercial Aviation Systems, Bendix Aviation Corp., Fisher Bidg., Oetroit 2, Mich.
 MORGAN, J. FRANK (A'50-M'55), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 MORGAN, J. GLENN (A'47-M'53), Asst. Oistrict Foreman, Sun Pipe Line Co., L.O. 2831, Beaumont, Tex.
 MORGAN, JOHN C. (S'50-A'51), Tech. Consultant, Prod. Oev. Lab., IBM, Poughkeepsie, N.Y.
 MORGAN, JOHN J. (S'55-M'57), Elec. Engr., Missiles, Chrysler Corp., 38111 van Oyke Rd., Detroit, Mich.
 MORGAN, LAWRENCE C. (M'5B), Research Engr., Lock-heed Alfreng Co.

- ONGRAN, LEE A. (S'5B-M'59), Research Engr., Lock-heed Aircraft Co., Sunnyvale, Calif.

 MORGAN, LEE A. (S'5B-M'59), Staff Physicist, Smyth Research Associates, 3555 Aero Ct., San Olego 11, Calif.
- WORGAN, MERLE L. (S'4B-A'54), Dir., Research & Oev., Electro-Measurements, Inc., 7524 S.W. Macadam Ave., Portland 19, Ore.
- Portland 19, Ore.

 MORGAN, MILLETT G. (S'42-A'43-SM'4B), Oir., Research, Prof., Elec. Engrq., Thayer School of Engrg., Oartmouth College, Hanover, N.H.

 MORGAN, RAYE. (A'45-M'55), Dev. Engr., GE Co., Schenectady 5, N.Y.

 MORGAN, RAYMONO (M'57), Physics Dept., Univ. of Maryland, College Park, Md.

 MORGAN RAPMONO (M'47-M'48-SM'53), Staff Sci-

- MORGAN, ROBERT B. (A'47-M'4B-SM'53), Staff Scientist, Lockheed Aircraft Corp., 3251 Hanover St., Palo Alto, Calif.
- Alto, Calif.

 MORGAN, ROBERT C. (SM'52), Sr. Research Engr., No. Amer. Aviation, Jowney, Calif.

 MORGAN, ROBERT E. (M'55), Owner, J-V-M Microwave Co., 4633 Lawndale Ave., Lyons, III.

- MORGAN, ROBERT L. (M'56), Engrg. Aide, Semi-Con-ductor Olv., Bendix Aviation Corp., Westwood Ave., L Branch, N.J.
- DMRIGH, N.J.

 MORGAN, ROBERT L. (M'47), V.P., Engra., Neely Enterprises, 3939 Lankershim Blvd., North Hollywood, Calif.

 MORGAN, ROBERT L. (M'56), Aerophysics Engr., Convair, Grant's Lane, Ft. Worth, Tex.

 MORGAN, RUSSELL H. (A'54-M'55), V.P. & Genl. Mgr., Carroll County Broadcasting Corp. (WTTR), Westminister, Md.

- MORGAN, SAMUEL P. (SM'55), Research Mathematician, Bell Tel. Labs., Murray Hill, N.J. MORGAN, SYDNEY G. (M'49), Deputy Dir., Signals (B), Air Ministry, Whitehall Gardens, London S.W.1, England.

- Air Ministry, Whitehall Gardens, London S.W. 1, England. MORGAN, THEODORE H. (SM'56), Prof., Elec. Engrg., Worcester Polytechnic Institute, Worcester 9, Mass. MORGAN, THOMAS M., JR. (S'57-M'59), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif. MORGAN, THOMAS W., JR. (A'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J. MORGAN, VINCENT T. (S'51-A'52-M'56), Supvr., Autonetics Div., No. Amer. Aviation, Downey, Calif., MORGAN, WALTER L. (S'52-A'55), Research Engr., Oigital, Circuitry Sect., RCA, Moorestown, N. J. MORGAN, WARREN O. (A'49), Owner, Morgan's TV Sales & Service, Port Clirton, Ohio. MORGAN, WILLIAM R. (S'48-A'49-M'55), Staff Engr., 1BM, Owego, N. Y. MORGAN, WILLIAM E., JR. (S'47-A'50-M'55), Project

- IBM, Owego, N.Y.

 MORGAN, WILLIAM E., JR. (S'47-A'50-M'55), Project
 Engr., Sanders Associates, Inc., Nashua, N.H.

 MORGAN, WILLIAM H. (S'50-A'52-M'58), Sr. Engr., ITT
 Labs., Nutley 10, N.J.

 MORGAN, WILLIAM R. (A'54), Chief, R & A Oiv., Electronics & Engrg., Oept., U. S. Army Air Oefense School,
 Box 91B0, Ft. Bliss, Tex.
- MORGAN, WILLIAM R., JR. (A'55), Resident Maint. Engr., Aeronautical Radio, Inc., Honolulu Internati. Terminal Bidg., Honolulu, Hawaii.
- MORGAN, ZEOY K. JR. (S'43-A'44), Tech. Writer, West-em Electric Co., White Sands Proving Grounds, Las Cruces,
- N.M.

 MORGAN VOYCE, ALBERT M. (SM'57), Sr. Nuclear Engr.,
 Convair, Fl. Worth, Tex.

 MORGANSTERN, KENNARO H. (SM'56), Pres., Radiation
 Oynamics, Inc., 1B00 Shames Dr., Westbury, L.I., N.Y.

 MORGEN, MELVIN (S'42-A'44-M'55), Electronics Engr.,
 Picatinny Arsenal, FREL, TAWL, Oover, N.J.

- Picatinny Arsenal, FREL, TAWL, Oover, N. J. MORGENSON, EOGAR O., JR. (S'55-A'56), Lab. Asst., Burroughs Coro., Paoli, Pa. MORGENSTERN, ABE (A'50), Tech. Writer, Renner, Inc., 103-42 Lafferts Blvd., Richmond Hill, L. I., N. Y. MORGENSTERN, HYMEN S. (A'55), Psychiatrist, Napa State Hospital, Imola, Calif. MORGENSTERN, JOHN C. (S'53-A'54), Sr. System Engr., National Co., 37 Washington St., Melrose, Mass. MORGENSTERN, OSCAR A. (A'53-SM'58), Consultant, Research, Kollsman Instruments Coro., BO-08 45 Ave., Elmlurst, L. I., N. Y.
- Emmursi, L.I., N.Y.

 MORGENTHALER, FREOERIC R. (S'55-M'57), 2nd Lt.,
 USAF, BOQ, L.G. Hanscom Field, Bedford, Mass.

 MORGENTHALER, HERBERT L. (S'5B-A'59), Instrumentation Mech., Convair, Ft., Worth, Tex.

 MORI, HIDEO (SM'58), Engr., Hydel, Inc., 223
 Crescent, Waltham 54, Mass.

- Crescent, Waltham 54, Mass.
 MORIARTY, JOHN J. (M'56), Mem. Tech. Staff, ITT Labs.,
 15151 Bledsoe, San Fernando, Calif.
 MORIARTY, ROBERT A. (S'56-A'57), Engr., Radio Voice
 of New Hampshire, Inc., WMUR-TV, Manchester, N. H.
 MORICI, EMANUELE A. (M'5B), 9 Via Monte Oelle Gioie,
 Rome, Hall
- Kome, Italy.

 MORIMIYA, TAKAJI (A'59), Morimiya Literature Library,
 Box Oenyenchofu 4, Tokyo, Japan.

 MORIMIOTO, SHIGETAKE (A'56), Oir., Engrg., JOEX-TV,
 Nippon Educational Television Co., Ltd., Minato-ku,
 Tokyo, Japan.
- MORIMURA, TAOAYOSHI (M'57), c/o Toa Oempa Kogyo K.K., 235 Suwamachi, Shinjukuku, Tokyo, Japan. MORIN, OORNIS C. (S'48-A'51-M'56), Engr., Midwestem Universites Research Assn., 2203 University Ave., Madison
- MORIN, GEORGE A. (S'5B-M'59), 1352 Orake Ave.,
- MORIN, JOHN O. (\$'51-M'57), Research Engr., Concord Control, Inc., 1282 Soldiers Field Rd., Boston 35, Mass.
- MORIN, LAURENCE A. (S'49-A'52-M'57), Sales Mgr., Electro-Measurements, Inc., 7524 S.W. Macadam Ave., Portland 1, Ore.
- MORIN, ROGER W. (A'5B), Elec. Research Engr., The Natl. Cash Register Co., Maine & K. Sis., Oayton 9. Ohio MORIOKA, FRED K. (S'54-A'55), Project Engr., Collins Radio Co., 2700 W. Olive, Burbank, Calif. MORISHITA, NAOJI (M'57), Engr., Arma Oiv., Garden City L. I. N. V.
- City, L.I., N.Y.

 MORISON, CHARLES T. (A'54), Chg. of Micro Switch
 Div., Minneapolis-Honeywell Regulator Co., 4926
 Wisconsin Ave., N.W., Washinaton 16, D.C.

 MORISON, RODNEY (A'46-M'55), Physicist, 1155 Medford
 Rd., Pasadena B, Calif.

 MORITA, JAMES T. (S'54-M'57), Oesign & Oev. Engr.,
 RCA, Camden, N.J.

 MORITA KAZIMOSHI (A'57 MISO), COLUMNIA

- RCA, Camden, N.J.

 MORITA, KAZUYOSHI (A'57-M'59), Chief Librarian, Research Oiv., Japan Broadcasting Corp., Tech. Research Lab., 361, Kinuta-Machi, Setagaya-ku, Tokyo, Japan.

 MORITA, KIYOSHI (SM'54), Prof., Elec. Engray. Tokyo
 Institute of Technology, Oh-okayama Meguro-ku, Tokyo,
- MORITA, MASASUKE (A'54), Chief of Oev. Sect., Radio Engrg. Dept., Nippon Electric Co., 1753 Shimonumabe Tamagawamukai, Kawasaki, Japan
- , amagemetinuscr, r. atwaseki, Japan. MORITA, TETSU (S'44-A'49-SM'54), Head, Radiation Systems Group, Stanford Research Institute, Menlo Park, Calif.
- Cair.

 MORITA, TETSUO (A'57), Vice-Chief, Radio Frequency Research Sect., Japan Broadcasting Corp., Tech., Research Lab., 361, Kinuta-Machi, Setagayaku, Tokyo, Japan.

 MORITA, YUJI (M'56), Research Engr., Willow Run Labs.,

 Univ of Mich., Ann Arbor, Mich

- MORITZ, CLEMENT (S'42-A'43-M'55), Pres., Northeast Scientific Corp., RFD 1, 30 Wetherbee St., South Acton, Mass.
- MORITZ, FREOERICK G. (S'55-M'57), Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

- Strument Co., 24-10 Inomson Ave., Long (sland City 1, N.Y.

 MORITZ, KENNETH C. (M'53-SM'5B), Div. Sales Mgr., Raytheon Mfg. Co., Needham Hgts 94, Mass.

 MORIWAKI, YOSHIO (SM'59), Prof., Institute of Industrial Science, Juliv. of Tokyo, Chiba City. Japan.

 MORK, RAYMONO P. (M'54), Pres., Hamoshire Engrg. Co., 2300 Washington St., Newton Lower Falls 62, Mass.

 MORKEN, OONALO A. (S'49-4'50-M'55), Scientist, Atomic Energy Project; Asst. Prof., Radiation Biology, Univ. of Rochester School of Medicine & Derkistry, 400 Elmwood Ave., Rochester 20. N.Y.

 MORLEY, HOWELL B. (A'43-M'45), Purch. Agent, The MITRE Corp., Box 208, Lexington 73, Mass.

 MORON, MANUEL (S'57-A'57), Electronics Research Technician, Bogue Electric Co., 52 lows St., Paterson, N.J.

 MORONE, JOSEPH P., JR. (SM'57). Project Engr. Allicon.

- N.J.
 MORONE, JOSEPH P., JR. (SM'57), Project Engr., Allison Oiv., GMC, Indianapolis 6, Ind.
 MORRELL, ALBERT M. (M'54), Oesign Engr., RCA, Lancaster, Pa.
 MORRELL, FREO M., JR. (S'56-M'59), Elec . Engr., Western Electric Co., Lexington Rd., Winston-Salem, N. C.
 MORRELL, GEORGE A., JR. (A'45-M'55), Chief Engr., Acoustics Oiv., The Astatic Corp., Harbor & Jackson St., Conneaut, Ohio.
- Conneaut, Ohio.

 MORRILL, CHARLES D. (A'4B-M'52-SM'59), Oept. Head, Electronic Computers, Goodycar Aircraft Corp., 1220

 Massillon Rd., Akron 15, Ohio.

 MORRILL, OICK W. (A'53), Fire Control & Guided Missile Repairer, U. S. Govt., Ft. Lewis, Wash.

 MORRILL, RALPH A. (S'55-M'5B), Systems Engr., Sylvania Electronic Oefense Lab., Box 205, Mountain View, Calif.

- View, Calif.

 MORRIN, THOMAS H. (M'4B-SM'54), Oir., Enorg. Research, Stanford Research Institute, Menlo Park, Calif.

 MORRIS, ALAN D. (M'56), Research Engr., Operations
 Research, Inc., B605 Cameron St., Silver Spring, Md.

 MORRIS, ALBERT A. (A'51), Asst. Elec. Engr., O-pat.

 of Public Works, New York 13, N.Y.

 MORRIS, ALBERT J. (M'47-SM'51), V.P. & Chief Engr.,
 Levinthal Electronic Prods., Inc., 3180 Hanover St.,

 Palo Alto, Calif.
- MORRIS, ARTHUR E. (S'50-A'51-M'5B), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester

- 3, N.Y.

 MORRIS, BILLY V. (M'56), Reliability Oesign Engr.,
 Chance-Vought Aircraft, Box 5907, Dallas, Tex.

 MORRIS, CHARLES C. (5'57-M'59), Elec. Engr., Sperry
 Microwave Electronics Co., Box 182B, Clearwater, Fla.

 MORRIS, CHARLES R. (M'55), Dir., Engrg., Queen City
 Boradcasting, KIRO-AM-FM-TV, 1530 Queen Anne Ave.,
 Seattle, Wash.

 MORRIS, CHARLES S. (A'54-M'59), Assoc. Engr., Aoplied
 Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

 MORRIS, CHESTER R. (S'54-M'59), Genl. Oelivery, San
 Antonio, Tex.

 MORRIS, CLARFNCF P. (S'56-M'5R), 1401 St. John's

- Antonio, Tex.

 MORRIS, CLARENCE P. (S'56-M'5B), 1401 St. John's Or., El Paso, Tex.

 MORRIS, CLARK R. (M'5B), Audio-Video Broadcast Systems Engr., RCA, Camden, N.J.

 MORRIS, CLIFFORO M. (S'M'56), Engrg. Leader, Receiving Tube Oev., RCA, Harrison, N.J.

 MORRIS, OANIEL V. (A'56), Tech. Officer, RCAF, Quality Control, Downsview, Ont., Canada.

 MORRIS, DAVIO J. (M'5B), Research Engr., Electronic Switching Oiv., Ericsson Telephones, Ltd., Beeston, Notts., England.

- England .

 MORRIS, OAVID J., JR. (S'56-M'5B), Electronics Engr.,
 Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.

 MORRIS, EDWARO F. (M'59), Assoc, Engr., IBM, Poughkeepsig. N.Y.

 MORRIS, EUGENE W. (S'56-M'57), Elec. Engr., Westinghouse Elec. Corp., Baltimore, Md.

 MORRIS, FREDERICK W., JR. (M'49-SM'52), Electronics
 Engrg. & Mngt. Consultant, 11600 Fairway Dr., Los

 Altos, Calif.
- Attos, Calif.

 MORRIS, GEORGE F. (S'50-A'51-M'56), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 MORRIS, GEORGE T. (M'55), Chief, Sect. 61,2, Production Engrg. Oiv., Oiamond Ordnance Fuze Labs., Washington 25, 0.C.
- O.C.

 MORRIS, GEORGE W. (A19-VA'39-M'55XL), Consultant, Elec. Engr., 239 N. 24 St., Camp Hill, Pa.

 MORRIS, GILBERT R. (S'51-A'51-SM'5B), Supvr., Guidance Tech. Control Sect., Lockheed Missile & Space Div., Sunnyvale, Calif.
- Space UV., Junnyvale, Cairi.

 MORRIS, GLENN H. (4/54), Group Engr., Lockheed Aircraft Corp., Sunnyvale, Calif.

 MORRIS, HAROLD N. (M'53-SM'57), Mgr., Instrumentati
 Engru., RCA, Missile Test Project, Patrick AFB, Fla.

 MORRIS, HAROLD R. (A'4B-M'56), M.mg. Engr., Morris
 Radio Engrs. (Pty.), Ltd., 39-41 Main St., Kimberly,
 N rthem Cape, South Africa.
- N ritem Cape, south Arrica.

 MORRIS, HAYDEN (%155), Physicist, Oiamond Ordnance
 Fuze Labs., Washington 25, D.C.

 MORRIS, IAN G. (M'5B), Electronics Research & Oev.
 Engr., Automatic Telephone & Electric Co., Ltd.,
 Edge Lane, Liverpool 7, England.

- MORRIS, ISAAC A. (M'5B), Myr., G. W. Lisk Co., Inc., Clifton Springs, N.Y.
 MORRIS, J. BRUCE (M'5B), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.
 MORRIS, JACK, JR. (S'54-M'57), Engr., Sperry Gyroscope
 Co., Great Neck, Li., N.Y.
- MORRIS, JAMES P. (A'56), Project Technician, Radio-activity Research, MIT. Cambridge 77, Mass. MORRIS, JEAN M. (SM'55), Research Mgr., E. I. Du Pont de Nemours & Co., Mech. Development Lab., Wilmington, Del.
- MORRIS, JOHN K. (S'52-A'53-M'59), Engr. "B" Oesign, Hayes Aircraft Corp., Birmingham, Ala. MORRIS, JOHN O. (M'59), Engrg. Rep., Ampex Corp., B467 Beverly Blvd., Los Angeles, Calif. MORRIS, JOSEPH C. (A'49-M'55), V.P., Head., Physics Oept., Tulane Univ., New Orleans, La.

- MORRIS, JOSEPH J. (M'59), Engr., Sperry Gyroscope Co., Great Neck, L.i., N.Y.

- Great Neck, L.J., N.Y.

 MORRIS, JOSEPH T. (M'58), Consultant, Retired, 916

 Broadview Blvd., Dayton 19, Ohlo.

 MORRIS, KEITH G. (A'53-M'56), Sales Engr., Bivins &
 Caldwell, Inc., Mapel Or., N.E., Atlanta 5, Ga.

 MORRIS, KENNETH R. (S'56-A'59), Dev. Engr., Micrometrical Development Corp., 2821 S. State St., Ann

 Arbor, Mich.
- MORRIS, KERMIT L. (S'53-M'57), Asst. Mfg. Engr., Texas Instruments, Inc., 13500 N. Central Expressway, Oallas, Tex.
- MORRIS, LEWIS C. (M'57), Elec. Engr., RCA, Camden,
- N.J.

 MORRIS, LLOYD P. (A'27-VA'39), Chief Engr., Natl.
 Systems Consulting Service, Motorola, Inc., C&lE Div.,
 450.1 Augusta Bivd., Chicago 51, III.

 MORRIS, MELVIN M. (A'47-SM'47), Engr., Coast Electric
 Co., 395 Prospect Ave., Little Silver, N.J.

 MORRIS, MYRON J. (A'49), V.P., Philhamnoilc Radio &
 Television Corp., 235 Jersey Ave., New Brunswick,
 N.J.
- N.J.

 MORRIS, PAUL L. (S'56-A'58), Testing, U. S. Army Signal Missile Support Agency, Holloman AF8, N.M.

 MORRIS, PHILIP E. (M'56), Principal Electronics Engr., Missiles Systems Div., Republic Aviation Corp., 223 Jericho Toke., Mineola, L.I., N.Y.

 MORRIS, RICHARD V. (A'54-M'58), Sr. Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena 3, Calif.

- Jet Produision Lab., 480U Uak Grove Dr., Pasadena 3, Calif.

 MRRIS, ROBERT C., JR. (A'59), Prop., Cape Co.,

 41 Peters Ave., Hempstead, L.I., N.Y.

 MORRIS, ROBERT E. (M'57), Test Planning Engr.,
 Western Electric Co., Greensboro, N.C.

 MORRIS, ROBERT E. (S'57-M-59), Dev. Engr., Varian
 Associates, 611 Hansen Way, Palo Alto, Calif.

 MORRIS, ROBERT E. (A'58), Engr., Federal Electric
 Coro., Paramus, N.J.

 MORRIS, ROBERT J. (S'55-M'57), Research Asst., Stanford Univ., Stanford, Calif.

 MORRIS, ROBERT J. (M'57), Engr., Univ. of California
 Radiation Lab., Berkeley, Calif.

 MORRIS, ROBERT M. (A'26-M'42-SM'43-F'57), Engr.,
 ABC. 7 W. 66 St., New York 23, N.Y.

 MORRIS, RONALD K. (S'55-M'58), Electronics Engr.,
 GS-7. Tinker AF8, Oklahoma City, Okia.

 MORRIS, THOMAS J., JR. (M'57), Instr., lowa State
 College, Ames, Jowa.

 MORRIS, YERNON 8., JR. (M'57), Instr., Peters, Westing-

- College, Ames, Iowa, MORRIS, VERNON 8., JR. (M'56), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. MORRIS, WILLIAM J. (A'55), Project Test Equipment Engr., Hughes Aircraft Co., Box 5555, Tucson, Ariz. MORRIS, WILLIAM S. (M'56), Instr., Napa College, Napa,
- Calif.

 MORRISEY, JOHN A. (S'53-A'54), Dir., Evening School, Capital Radio Engrg. Institute, 3224 16 St., N.W., Washington 10, D.C.

 MORRISH, ALLAN H. (SM'56), Assoc. Prof., Dept. of Elec. Engrg., Univ. of Minnesota, Minneapolis 14, Minn.

 MORRISON, ADAIR (SM'56), Project Analyst, GE Co., Schenectady, N.Y.

 MORRISON, ALVIN I. (S'49-A'50-M'55-SM'58), Project Engr., Electronic Engrg. Co. of California, 1601 E. Chestnut Ave., Santa Ana, Calif.

 MORRISON, AETHIRE (A'32-VA'39-M'55). Chief Flace
- AVE., Santa Ana, Cair.

 MORRISON, ARTHUR C. (A'32-VA'39-M'55), Chief Elec.
 Engr., Matson Navigation Co., 480 Main St., San Francisco, Calif.
- cisco, Calif.

 MORISON, BARBARA A. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 MORRISON, CHANNING D. (A'53-M'59), Engr.-in-Chg., Computer Systems & Logical Design, Data Systems Operation, Sylvania Elec. Prods., Inc., Needham 94, Mass.

 MORRISON, COHN L. (S'51-A'52-M'57), Chief, Engru. Branch, Nuclear Environmental Test Facility, Wright Air Development Center, Ohio.

 MORRISON, DAVID M. (S'54), Design Env.

- Development Center, Ohio.

 MORRISON, DAVID M. (S'56), Design Engr., Sandia Corp., Sandia Base, Alburquerque, N.M.

 MORRISON, DEARL O. (A'55-SM'58), Radio Engr., Radio Dept., County of Macomb, County 81da, Mt. Clemens, Mich. MORRISON, DICK W. (SM'56), Electronics Engr., USAF, Wright-Patterson AF8, Ohio.

 MORRISON, DONALD A. (A'48-M'55), Electronics Engr., RCA, 80x 588, Burlington, Mass.

 MORRISON DONALD C. (S'57-A'57), Univac Technician, Remington Rand, Ltd., 984 Bay St., Toronto, Ont., Canada.

 MORRISON EARL (S'51-A'52), Electronics Engr., Kaiser Alcraft & Electronics Corp., 6225 Benore Rd., Toledo, Ohio.

 MORRISON FDWARD I. (ALSR) Mod. Policialistics Corp., 6225 Benore Rd., Toledo, Ohio.
- MORRISON, EDWARD J. (M'58), Head, Reliability Engrg., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex. MORRISON, EDWIN D. (A'41-M'55), Bell Tel. Labs., Whippany,
- N.J.
 MORRISON, ERNEST L., JR. (S'50-A'52-M'57), Project
 Mgr., RCA, Camden B, N.J.
 MORRISON, FRED (S'48-A'51-M'53), Sr. Project Engr.,
 Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.
 MORRISON, GAY, JR. (A'54), Sr. Electronics Technician,
 Southwest Research Institute, 8500 Culebra Ave., San
 Antonio, Tex.

- Southwest Research Institute, 8500 Culebra Ave., San Antonio, Tex.

 MORRISON, GORDON E. (S'49-A'52-M'56), Mgr., Prod. Analysis, Research & Dev. Div., Smith-Corona Marchant, Inc., 6701 San Pablo Ave., Oakland 8, Calif.

 MORRISON, HAROLD G. (A'43), Mgr., Morrison's, Box 81, Bartow, Fla.

 MORRISON, HENRY F. (A'40), Partner, Morrison's Radio Supply, 331 Center St., Ashtabula, Ohio.

 MORRISON, HERBERT E. (A'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 MORRISON, HERBERT V. (S'49-A'52-M'56), Electronics Engr., Bell Aircraft Corp. 8 Buffalo 5, N.Y.

 MORRISON, HOWARD (A'29-SM'45), Mem. Tech. Staff, Bell Tecl. Labs., Whippany, N.J.

 MORRISON, HOWARD L. (A'43-M'52), Teacher, Physics & Mathematics, Jesuit H.S., 9000 S.W. Beaverton-Hillsdale Hwy., Porlland 25, Ore.

 MORRISON, JOHN A., JR. (M'58), Sr. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 MORRISON, JOHN F. (A'29-M'36-SM'43-F'51), Mem. Tech. Staff, Bell Tel. Labs., Whippany. N.J.

- MORRISON, JOHN G. (S'51-A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. MORRISON, JOSEPH A. (M'59), Asst. Research Scientist, Research Div., New York Univ., 401 W. 205 St., New York 34, N.Y.
- MORRISON, K. G. (M¹45), Mgr., Communication Sales, Graybar Electric Co., 1750 Alameda St., San Francisco, Calif.
- Calif.

 MORRISON, LAWRENCE W. (A'38-VA'39-SM'55), Dir.,
 Guided Missile Dev., Bell Tel. Labs., Whippany, N.J.

 MORRISON, LOUIS H. (A'42-SM'50), Mgr., Countermeasures
 Dept., Raytheon Mfg. Co., Wayland, Mass.

 MORRISON, MAX M. (M'58), Field Engr., Western Electric
 Co., Chatham Rd., Winston-Salem, N.C.
- Co., Chatham Rd., Winston-Salem, N.C.

 MORRISON, MELVIN (M'58), Asst. Branch Chief, Maint. Engrg.
 Brauch, FAA, Internatt. Airport, Jamaica, L.I., N.Y.

 MORRISON, PETER (A'54), Chief, Transmission Engrg.,
 Kellogg Swbd. & Supply Co., 6650 S. Cicero, Chicago
 38, III.
- MORRISON, RALPH (S'49-A'50-M'56), Chief Engr. Dynamics Instrumentation Co., 1118 Mission St., South Pasadena, Calif. MORRISON, RAY E. (M'59), 208 W. Washington St., Chicago 6, III.
- MORRISON, ROBERT F., JR. (A'53-M'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- MORRISON, ROBERT H. (S'41-A'42-M'46) Electronics Engr., GE Co., Syracuse, N.Y. MORRISON, ROBERT T. (M'48), Western Sales Supvr., Rectifier Capacitor Div., Fansteel Metallurgical Corp., 1015 Hope St., South Pasadena, Calif.
- NORRISON, STEPHEN C. (A'53-M'58), Tech. Staff,
 Space Technology Labs., Inc., Los Angeles 45, Calif.
 MORRISON, STUART M. (S'47-A'48-M'54-SM'56), Engr.,
 Collins Radio Co., Cedar Rapids, Iowa.
 MORRISON, WENDELL C. (S'40-A'41-SM'49), Mgr.,
 Engra. Plans & Services, Industrial Electronics Prods.,
 RCA, Camden, N.J.

- Engra. Plans & Services, Industrial Electronics Prods., RCA, Camden, N. J.
 MORRISON, WICKLIFFE J. (A'47-M'55), Chief Engr., WAKY, Kentucky Home Life Bidg., Louisville, Ky.
 MORRISON, WICKLIAM B. (A'47-M'55), Chief Engr., Consumers Prods. Div., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.
 MORRISS, BENHAM E. (M'58), Engr., Lincoln Lab., MIT, Lexington 73, Mass.
 MORRISSEY, JOHN N. (S'56-M'55), Electronics & Armament Systems Div. Engr., Lockheed Aircraft Corp., Morietta, Gamornic More, Common Corp., Morietta, Gamornic More, Common M

- Angeles 45, Calif.

 MORROW, CRRISTOPHER M. (S'49-A'51-M'56), Electronic Scientist, Naval Research Lab., Washington 25, D. C.

 MORROW, H. W. (S'43-A'45-M'51), Sr. Mem. Tech. Staff, ITT Labs., 15151 Bledsoe St., San Fernando, Calif.

 MORROW, JOHN E. (M'50), Electronics Research & Test Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
- Santa Monica, Calif.

 MORROW, LESLIE A. (M'51), Owner, Les A. Morrow Co.,
 3123 W. 117 St., Cleveland 11, Ohio.

 MORROW, PAUL F. (S'57-M'59), Engr., Alrborne Instrument Lab., Mineola, L.I., NY.

 MORROW, R. E. (M'57-5M'58), Mng. Dir., Worth Communications Services, 31 Churchill Rd., Birmingham 9,
 England.
- MORROW, RICHARD A. (A'52-M'58), Sr. Project Engr., ITT Labs., Nutley 10, N.J. MORROW, ROBERT S. (M'59), 36 Warner Plaza, Kansas City, Mo.

- City, Mo.

 MORROW, ROSS E. (S'56-M'58), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 MORROW, SAMUEL R. (A'54), Owner, S. R. Morrow Co., Box 336, Chatham, N. J.

 MORROW, WALTER E., JR. (S'48-A'51-M'56), Group Leader, MIT Lincoln Labs., Lexington 73, Mass.

 MORSCHER, LAWRENCE N., JR. (M'57-SM'57), Physicist, Office of Naval Research, Washington 25, D.C.
- MORSE, ARTHUR O. (S'50-A'51-M'57), Dev. Supvr., 8ranch 620, Diamond Ordnance Fuze Labs., Washington 25, D.C.

- Branch 620, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 MORSE, BILLY K. (S'52-A'54), Elec. Engr., Air Tech. Intelligence Command, Wright-Patterson AF8. Ohio MORSE, DAVID C., JR. (M'58), Systems Engr., Remington Rand Univac, St. Paul 16, Minn.
 MORSE, FRANCIS L. (M'59), Asst. Chlef Engr., Fetzer Broadcasting Co., Kalamazoo, Mich.
 MORSE, EOGAR W. (M'59), Head, Production Dev. Sect., Sylvania Elec. Prods., Inc., Mountain View, Calif.
 MORSE, EUGENE (A'59), Mech. Engr., RCA, Camden. N.J.
 MORSE, FORRES (M'56), Pres., Electro-Mec Lab., Inc., 47-51, 33 St., Long Island City, N.Y.
 MORSE, FRANCIS A. (S'51-A'54-M'56), Electronics Engr., Lockheed Aircraft Corp., Box 504, Sunnyvale, Calif.
 MORSE, FRANCIS A. (M'59), Asst. Chief Engr., Fetzer Broadcasting Co., Kalamazoo, Mich.
 MORSE, HAROLD W. (M'58), Sales Engr., Ge Co., Syracuse, N.Y.
 MORSE, JAMES H. (M'57), Electronics Engr., Raytheon Mfg. Co., Oxnard, Calif.
 MORSE, JEFFREY L. (S'55-M'56), 5 Putnam Hill, Greenwich, Conn.
 MORSE, JONN E. (S'45-A'46-M'55), 5, Project Engr.,

- wich, Conn.

 MORSE, JOHN E. (S'45-A'46-M'55), Sr. Project Engr.,
 Eastman Kodak Co., (Hawk-Eye Works), 20 Ave., E.,
 Rochester, N.Y.

 MORSE, MALCOLM S. (S'42-A'45-M'49-SM'51), Electronic Scientist, Natl. Bureau of Standards, Washington 25, D.C.

- MORSE, MILTON (A'57), Automatic & PrecIsion Mfg. Co., 252 Hawthome Ave., Yonkers 5, N.Y.

 MORSE, NOWLIN, A. N. K. (S'55-M'57), Electronics Engr., Pearl Harbor Navai Shioyard, Pearl Harbor, Hawaii.

 MORSE, ROBERT V. (S'55-M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MORSE, WILLIAM R. (A'38-SM'53), 6901 21 Ave., Lewisdale, Hyattsville, Md.

 MORSFIELD, A. WAYNE (S'57-M'59), Asst. Engr., Electronics Div., Westinghouse Elec. Corp., 80x 1897, Baltimore 3, Md.

- Baltimore 3, Md.
 MORT, VERNON A. (S'48-A'53-M'58), Elec. Engr., Lear,
 Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.
 MORTENSEN, RICHARD E. (S'54-M'59), Engr., Controls &
 Simulation, Space Technology Labs., Inc., 5500 W. El
 Segundo 81vd., Los Angeles, Calif.
- MORTENSON, KENNETH E. (S'46-A'50-M'55-SM'57), Research Physicist, GE Research Lab., Schenectady, N.Y.
- MORTIMER, AUSTIN J. (M'55), Project Engr., Electronics Div., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.
- N.J.

 MORTIMORE, RALPH L. (S'58-M'59), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 MORTIMORE, THOMAS N. (M'54), Project Engr., Collins Radio Co., Cedar Rapids, Iowa.

 MORTLOCK, ALFRED (A'43-M'55), Sr. Radio Engr., Standard Telephones & Cables, Ltd., New Southgate, London, N. 11, England.
- MORTLOCK, C. EDWARD, JR. (S'56-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. MORTON, ADELBERT R. (M'35-SM'43), Engr., 61 Martense St., Brooklyn 26, N.Y.
- Martense St., Brooklyn 26, N.Y.
 MORTON, OONALD E. (A'51-M'57), Sr. Dev. Engr.,
 Motorola, Inc., 8201 E. McDowell, Phoenix, Ariz.
 MORTON, GEORGE A. (A'39-SM'46-F'51), Assoc. Dir.,
 Physical-Chemical Lab., RCA, Princeton, N.J.
 MORTON, GEORGE E. (S'56-A'58), Sales Engr., Hoyt
 Electrical Instrument Works, Inc., 42 Carleton St.,
 Cambridge 42, Mass.
- Lampridge 42, Mass.

 MORTON, GEORGE W. (M'46), Sr. Project Engr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.

 MORTON, HAROLD 8. (M'48), Engr. II, Air Ministry, London, England. Home: 28 Fulmer Dr., Gerrards Cross, Bucks, England.
- MORTON, HAROLD W. (A'52-M'57), Design & Oev. Engr., Texas instruments, Inc., 6000 Lemmon Ave., Dallas 9,
- I ex.

 MORTON, JACK A. (A'36-SM'53-F'53), V.P., Bell Tel.

 Labs., Murray Hill, N.J.

 MORTON, KENNETH L. (S'51-A'52-M'56), Chief, Varistor

 Dept., Western Electric Co., 555 Union Bivd., Allentown,

 Pa.

- Dept., Western Electric Co., 555 Union Bivd., Allentown, Pa.

 MORTON, LARRY W. (S'56-M'57), Design Engr., Convair, Ft. Worth, Tex.

 MORTON, LESLIE H. (A'56), Electronics Lab. Technician, No. Amer. Aviation, Patrick AF8, Fia.

 MORTON, PAUL L. (A'43-Sh'45-F'55), Prof., Elec. Engra., Univ. of Califomica, Berkeley 4, Calif.

 MORTON, PETER G. (M'58), Sect. Staff Asst., Telemetry Systems Engra., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 MORTON, RICHARD W. (M'57), Research Engr., Natl. Aeronautics & Space Administration, Langley Research Center, Langley Field, Va.

 MORTON, RUSSELL S. (A'33-VA'39), Owner & Technician, Russell S. Morton, 219 E. Broadway, Salem. N.J.

 MORTON, WALTER 8, J.R. (M'55), Project Mgr., Epsco, Inc., 240 E. Palais, Anaheim. Calif.

 MORTON, WALTER 8, J.R. (M'55), Project Mgr., Epsco, Inc., 240 E. Palais, Anaheim. Calif.

 MORTON, RUSSELL S. (C'350-A'57-M'577), Test Engra., Eitel-McCullough, Inc., 798 San Mateo Ave., San Bruno, Calif.

 MORWOOD, ROBERT C. (S'50-A'57-M'577), Test Engra., Eitel-McCullough, Inc., 798 San Mateo Ave., San Bruno, Calif.
- MOSCARELLO, MICHAEL A. (SM'56), Asst. Chief Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N.Y.
- City, N.Y.

 MOSELEY, FRANCIS L. (A'33-SM'47-F'57), Pres., F. L.
 Moseley Co., 409 N. Fair Oaks, Pasadena, Callf.

 MOSELEY, JAMES C., JR. (S'48-A'50-M'58), Systems
 Enor., Vitro Corp. of America, Labs. Div., 14000 Georgia
 Ave., Silver Spring, Md.

 MOSELEY, JOHN A. (A'51-M'56), Sales Mgr., Engre.,
 D & R, Ltd., 402 E. Gutlerrez, Santa Barbara, Callf.

 MOSELEY, JOHN S., JR. (S'55-A'56), Radiclara, Westem
 Electric Co., 220 Church St., New York, N.Y.

 MOSELEY, ROLAND E. (M'56), Asst. Research Engr.,
 Experiment Sta., Georgia Institute of Technology, Atlanta,
 Ga.

 MOSELEY SHERRARD T. (S'51-A'53-SM'54). Asso.

- Ga.

 MOSELEY, SHERRARD T. (S'51-A'53-SM'54), Assoc. Prof., Efec. Engro., School of Engro., Univ. of South Carolina, 745 Sumter St., Columbia, 5.C.

 MOSELEY, STANLEY V. (A'57), Maint. Egnr., Canadian Marconi Co., Box 994, St., Johns, Nfld., Canada.

 MOSELEY, THOMAS 8. (A'42-M'46-SM'56), Dir., Sales & Contracts, Continental Electronics Mfg. Co., Inc., 4212 S.

 Buckner Blvd., Dallas 27, Tex.

- Contracts, Conkinental Electronics Winc. Co., Inc., AZIZ S. Buckner Blvd., Dallas 27, Tex.

 MOSEMAN, PAUL W. (5'53-A'54), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 MOSENKIS, ROBERT (S'58-M'59), Lansdale Tube Co., Church Rd., Lansdale, Pa.

 MOSER, EUGENE B. (4'54), Engrg. Asst., The Johns Hopkins Univ., Applied Physics Lab., Silver Springs, Md.

 MOSER, JOHN L. (5'65-M'57), Electronics Engr., Stromberg-Carlson Co., 1895 Hancock St., San Diego, Calif.

 MOSES, ALFRED J. (M'56), Sr. Scientist, Radiochemist, Bettis Atomic Power Olv., Westinghouse Elea, Corp., Box 1468, Pittsburgh 30, Pa.

 MOSES, ARTHUR I., (S'48-A'50-M'59), Sr. Engr., Blonder Tongue Labs., Alling St., Newark, N. J.

 MOSES, EARL C. (A'52), Owner, Louislana Radio Communications, Box 661, Lake Charles, La.

 MOSES, HOWARD J. (S'56-M'59), Instr., Engrg., Michigan College of Mining & Technology, Houghton, Mich.

 MOSES, SAMUEL (A'51-M'56), Pres. & Treas., The Moses Electronics Co., 330 Locust St., Hartford 1, Conn.

- MOSHER, 8RUCE H. (S'56-M'59), Elec. Engr., RCA, Moorestown, N.J.

- MOSHER, FREDERICK M. (A'54), Chief Inspector, Canadian Applied Research, Ltd., 1500 O'Connor Dr., Toronto 16, Ont., Canada.
- Ont., Canada.

 MSHER, ROBERT M. (A'53), Sales Engr., The Superior Electric Co., B3 Laurel St., Bristol, Conn.

 MOSHER, LEON S., JR. (A'53), Supvr., Quality Control & Prod. Engry., Dominion Electrohome Industries Ltd., B09 Wellington St., Kitchener, Ont., Canada.

 MOSIER, HAROLD F. (M'57), Engr., Electro-Voice, Inc., Cecil & Carroll Sts., Buchanan, Mich.

 MOSIER, ROBERT R. (A'51-SM'55), Assoc. Dir., Research & Dev., Collins Radlo Co., 2700 W. Olive Ave., Burbank, Calif.

- Calif.

 MOSKALO, VLADIMIR G. (S'55-M'57), 1096½W.
 Edgeware Rd., Los Angeles 26, Calif.

 MOSKO, SIGMUND W. (S'56-M'59), Elec. Engr., Oak
 Ridge Natl. Lab., Box Y, Oak Ridge, Tenn.

 MOSKOW, HARRY J. (M'4B), Genl. Mgr., Chief Engr.,
 Cinaudagraph, Inc., 7334 N. Clark St., Chicago, III.

 MOSKOWITZ, CHARLES (M'56), Engr., Westinghouse Elec.
 Corp., Box 746, Friendship Internatl. Alreport, Baltimore,
 3, MJ.

- 3, M.J.

 MOSKOWITZ, FRED (M'46-SM'52), Staff Engr., Rome
 Air Oevelopment Center, Griffiss AFB, N.Y.

 MOSKOWITZ, NATHANIEL (S'49-A'51-M'56), Fleld Engr.,
 Transitron Electronic Sales Corp., 227 S. 6 St., Camden
 3, N.J.

 MOSKOWITZ, NORMAN (A'57), Sr. Lab. Technician,
 Sylvania Elec. Prods., Inc., Bayside, L.I., N.Y.

 MOSKOWITZ, SAUL (M'59), Engr., Ford Instrument Co.,
 31-10 Thomson Ave., Long Island City 1, N.Y.

 MOSKOWITZ, SEYMOUR (S'55-M'56), 1st Lt., USAF,
 Communications Officer, 1954 AACS Sqdn., APO 994,
 San Francisco, Calif.

 MOSKOWITZ, SIDNEY (M'47) Dir. Engr. Fleetronic
- MOSKOWITZ, SIDNEY (M'47), Dir., Engro., Electronic Research Associates, Inc., 67 Factory Pl., Cedar Grove., N.J.
- N.J.

 MOSLEY, CARL E. (SM'52), Pres. & Treas., Mosley
 Electronics, Inc., B622 St. Charles Rock Rd., St.
 Louis 14, Mo.

- Louis 14, M3.

 Louis 14, M3.

 MOSLEY, ROBERT B. (S'49-A'50-M'56), Circuits Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calli,

 MOSOLGO, RONALD E. (S'53-A'54), Research Analyst, Stavid Engrg., Inc., Rte. 22, Plainfield, N. J.

 MOSS, ALAN M. (S'52-A'53-M'5B), Project Engr., Picatlnny Arsenal, Dover, N. J.

 MOSS, ARTHUR I. (S'54-M'56), Engr., WestInghouse Atomic Power Div., Box 1526, Pittsburgh 30, Pa.

 MOSS, ARTHUR R. (M'57), Elec. Engr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calli,

 MOSS, BEN B. (A'56), Secy-Treas., Systems, Inc., 2326 Diversified Way, Orlando, Fla.

 MOSS, DONALD E. (S'54-A'55), Design Engr., Aerophysics Dept., Goodyear Aircraft Corp., Litchifield Park, Ariz. MOSS, DONALD E. (S'57-A'57), 312B Jules St., St.
- MOSS, DONALD G. (M'57), Electronics Engr., Test Equipment Applications, Bureau of Ships, Navy Dept., Washington 25, D.C.
- MOSS, EUGENE C. (S'55-M'56), Lt. Cmdr., USN, Plans & Reports Officer, U. S. Naval Ordnance Missile Test Facil-ity, White Sands Missile Range, N.M.

- ity, White Sands Missile Range, N.M.
 MOSS, FRANCIS W. (5'57-M'58), Electronics Engr.,
 Hughes Alrcraft Co., El Segundo, Callí,
 MOSS, FRANK E. (S'54-M'57), Research Assoc., Univ.
 of Virginia, Charlottesville, Vs.
 MOSS, HENRY (M'57), Engr., American Bosch Arma Corp.,
 Roosevelt Field, Garden City, L.I., N.Y.
 MOSS, HOWARD (A'51-M'56-SM'56), Mgr., Engrq.,
 Silicon Prods. Debt., Texas Instruments, Inc., 19500
 N. Central Expressway, Dallas, Tex.
- N. Central Expressway, Dallas, Tex.
 MOSS, JOEL F. (A'43), Sound Recording Engr., Hal Roach
 Studios, Culver City, Calif.
 MOSS, JOHN F. (A'54-M'5B), Chief Engr., Instrument
 Landing Systems (ILS) Hogs., Ground Electronics Engrg.
 Installation Agency, Navigational Aids Systems Div.,

- Installation Agency, Navigational Aids Systems Div., Griffiss AFB, N.Y.: Fleid Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. MOSS, JOHN F., JR. (A'54), Electronics Engr., Convair, Pomona, Calif. MOSS, JOHN I. (A'56), Pres., Eastwood Industries, Inc., 1101-11 W. Armitaoe Ave.. Chicaoo. III. MOSS, KENNARD S., JR. (S'53-M'55), Assoc. Elec. Engr., Westinghouse Electric Corp., Friendship Airport, Baltimore, Md.
- Baltimore, Md.

 MOSS, LEONARD A. (S'53-M'56), Engr., Hazeltine
 Electronics Corp., Little Neck 62, L.I., N.Y.

 MOSS, RALPH A. (A'58), Communication Engrg. Technician,
 U.S. Forest Service, Dept. of Agriculture, Quincy, Calif.

 MOSS, STANLEY D. (S'53-M'58), Electronics Engr.,
 Sperry Utab Engrg. Lab., 322 N. 21, W., Salt Lake

 LOSE TERROL.
- City 16, Utah.

 MOSS, TERRY L. (A'29-VA'39), Mgr. & Owner, Moss Recording Co., 1910 California St., Omaha 2, Neb.

 MOSSA, FRANCIS P. (S'56-M'59), Electronics Engr., U.S. Army Signal Corps Engre, Labs., Evans Area, Belmar, N.J.

 MOSSMAN, F. BEAL (A'41-SM'44), DIv. Plant Mor., (Toll), The Pacific Telephone & Telegraph Co., 1200' 3rd Ave., Seattle 5, Wash.

 MOSSMAN, ROBERT B. (SM'56), Sr. Systems Engr., Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind., MOST, NATHAN (M'44), Exec. V.P., Getz Bros. & Co., 640 Sacramento St., San Francisco 11, Calif.

 MOST, NORTON S. (A'47-M'55), Electronics Engr., Collins Radio Co., Cedar Rapids, Iowa.

 MOSTER, CLARENCE R. (S'41-A'44-M'55), Mem. Tech.

- Collins Radio Co., Čedar Rapids, Iowa.

 MOSTER, CLARENCE R. (S'41-A'44-M'55), Mem. Tech.
 Staff. Bell Tel. Labs., Murray Hill, N.J.,

 MOTCHAN, HAROLD L. (A'47-M'55-SM'5B), Electronics
 Sect. Morr, McDonnell Aircraft Co., Lambert-St. Louis
 Municipal Airmort. St. Louis. Mo.

 MOTCHENBACHER, CURTIS D. (M'5B), Research Engr.,
 Minneapolls-Honeywell Regulator Co., 500 Washington
 Ave., S., Hopkins, Minn.

 MOTCHOK, EMIL P. (M'56), Electronics Engr., Genl.
 Precision Lab., Pleasantville, N.Y.

 MOTLEY, DAVID M. (M'5B), Project Engr., Western Div.,
 Collins Radio Co., 2700 W. Olive, Burbank, Calif.

- MOTLEY, LYLE C. (A'51-M'5B), Chief Engr., Piedmont Broadcasting Corp., 710 Grove St., Danville, va. MOTSEK, MICHAEL (S'4B-A'51), Engr., Inspector, E. I. du Pont de Nemours & Co.. Wilmington, Oel. MOTT, ENEST D. (A'49), Supye. Engr., Northern Broadcasting Co.. Ltd., Cedar & 3rd, Timmins. Ont., Canada. MOTT, HAROLD (M'54), Instr., Elec. Engrg. Dept., North Carolina State College, Raleigh, N.C.
 MOTT, JACK S. (M'5B), Genl. Mgr., Wright Engrg. Co., 1BO E. California St., Pasadena, Calif.
 MOTT, MURRAY H. (S'56-M'57), Electronic Scientist, USN Electronics Lab., San Diego 52, Calif.
 MOTT, ORVILLE B. (M'53), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 MOTT, ROBERT H. (A'49-M'55), Electronics Engr., Bell Aircraft Corp., Buffalo, N.Y.
 MOTT-SMITH, JOHN C. (M'5B), Physicist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass. MOTTA, NAT (A'42), Project Engr., Selsmological Lab., California Institute of Technology, 220 N. San Rafael Ave., Pasadena 2, Calif.
- MOTTRAM, ELLIOTT T. (SM'53), Dir., Transmission Sys-tems Dev., Bell Tel. Labs., Murray Hill, N. J. MOTWANE, HARNAM V. (A'54), Joint Mng. Dir., Motwane Private, Ltd., 127, Mahatma Gandhi Rd., Fort Bombay 1,
- India.

 MOULDS, HERBERT S. (A'56), District Mgr., S. Sterling
 Co., 4024 Clairton Blvd., Pittsburgh 27, Pa.

 MOULE, WILLIAM N. (S'49-A'50-M'55), Elec. Engr.,
 Design & Dev., RCA, Moorestown, N. J.

 MOULIC, WILLIAM E., JR. (A'42-M'46), Chief Engr.,
 Moulic Specialties Co., 1005-7 W. Washington St.,
 Bloomington, JII.
- MOULLIN, E. B. (M'27-SM'43), Prof., Elec. Engrg., Univ. of Cambridge, England. MOULTON, ARTHUR B. (S'42-A'45-M'4B), Asst. Prof.,
- Elec. Engra. Univ. of Maine. Orgon. Me.
 MOULTON, CLIFFORD H. (S'4B-A'5O-M'52), Project
 Engr., Tektronix, Inc., 9450 S. W. Barnes Rd., Portland
 7, Ore.
- MOULTON, ERIC W. (SM'5B), Sr. Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- N.Y.

 MOULTON, GEORGE E. (A'52-M'5B), Elec. Engr., Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind.

 MOULTON, HENRY A. (S'57-A'59), Electronics Engr., Admiral Corp., 3B00 Cortland, Chicago 47, III.

 MOULTON, JAMES A. (S'54-M'56), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Callf.

 MOULTON, JOHN H. (S'53-M'56), Supvr., Engrg. Estimates & Proposals, Electronics Div., Curtiss-Wright Corp., 631
 Central Ave., Carlstadt, N.J.

- Central Ave., Carlstadt, N.J.

 MOULTON, WILEY D. (M'57), Electronics Engr., Bomac Labs., Inc., Salem Rd., Beverly, Mass.

 MOUNCE, CONSTANCE O. (A'53-M'59), 21B5 Wascana Ave., Lakewood 7, Ohio.

 MOUNCE, GEORGE R. (S'40-A'41-M'46), Pres., Electronic Associates, Ltd., 4616 Yonge St., Willowdale, Ont., Canada.
- MOUNT, ELLIS (M'55), Chief Librarian, ITT Labs.,

- MOUNT, ELLIS (M'55), Chief Librarian, ITT Labs., Nutev 10. N.J.

 MOUNT, EUGENE V. (S'51-A'52-M'5B), Electronics Engr., Farnsworth Electronics Co., Ft. Wayne, Ind.

 MOUNT, ROBERT C. (S'55-M'57), Engr., Western Electric Co., 220 Church St., New York 13, N.Y.

 MOUNT, THOMAS E. (A'57), West Coast Editor, Electronic Design, B30 3rd Ave., New York 22, N.Y.

 MOUNTAIN, JOSEPH D. (A'50-M'55), Dir., Mountain Associates, 9 Coolidge Ave., White Plains, N.Y.

 MOUNTAOY, GARRARD (A'37-M'40-SM'43-F'50), Asst. to Exec. V.P., A.R. & T. Electronics, Inc., Box 370, North Little Rock, Ark.

 MOUNTS, FRANK W. (A'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 MOUNTS, TAULBEE P., JR. (M'56), Asst. Chief, Acces-
- Labs., Murray Hill, N.J.
 MOUNTZ, TAULBEE P., JR. (M'56), Asst. Chlef, Acces-sorles Sect., Communication & Navigation Lab., Wright Air Development Center, Wright-Patterson AF B., Ohio.

- sories Sect., Communication & Navigation Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 MOURADIAN, H. (A'16-VA'39)(L), Retired, 20 N. Maine Ave., Atlantic City, N. J.

 MOURIER, GEORGES (SM'56), Research Assoc. Prof., CEPEC-CSF, Corbeville, Seine et Oise, France.

 MOUSEL, GEORGE W. (A'55), Sales Mgr., Perkin Engrg., Coro., 345 Kansas St., El Segundo, Calif.

 MOUSTAFA, KAMAL (A'54), HE Engr., Max Planck Institute Fiir Physique und Astroph., Aumeisterstrasse, Freimann, Munchen, West Germany.

 MOUZON, JAMES C. (SM'57), Prof., Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.

 MOWATT, ALLAN Q. (M'55), Pres., Atlee Components, Inc., B 220 Lankershim Bivd., North Hollywood, Calif., Pres. & Genl. Mgr., Atlas E-E Corp. & Dalmore Corp., 47 Prospect St., Woburn, Mass.

 MOWBRAY, DONALD R. (S'4B-A'50), Capt., Telecommunications Officer, Royal Canadian Elec. & Mech. Engrs., Canadian Army, R.C.E.M.E. School, Kingston, Ont., Canada.
- Canaga.

 MOWBRAY, WILLIAM H. (S'49-A'50), Electronic Engr.,
 Narragansett Marine Lab., Univ. of Rhode Island, Kingston,
 R.I.
- R.I.

 MOWER, CHARLES P. (A'57), Field Engr., Sparkman & Stephens, Inc., 79 Madison Ave., New York, N.Y.

 MOWERY, DAVID K. (S'56-M'59), Aerophysics Engr., Convair, Ft. Worth, Tex.

 MOWERY, VINCENT O. (A'57), Mem. Tech. Staff, Bell Tel. Labs., Whippamy, N.J.

 MOXLEY, STEPHEN D., JR. (A'53-M'5B), Supvr., Air Traffic Control, Crosley Div., Avco Mfg. Co., 1329 Arlington St., Clincinnati 24, Johio.

 MOXLEY, WILLIAM C., JR. (A'57), Salesman, The Branum Co.. 2334 Havenhurst. Dallas 34, Tex.

 MOY, LELAND L. (S'55-M'56), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 MOY, ROBERT G. (A'54), Design & Dev. Engrg., RCA, Canden, N.J.

- Camden, N. J.
 MOYER, DAVID F. (SM'55), Consulting Engr., 94 Patterson
 Rd., Dayton 19, Ohio.
 MOYER, JAMES W. (SM'56), Physicist, Tech. Military
 Planning Operation, GE Co., 735 State St., Sunta
 Barbara, Calif.

- MOYER, JOSEPH J. (S'50-A'52-M'56), Advisory Engr., IBM, Box 21B, Yorktown Heights, N.Y.
- IBM, Box 21B, Yorktown Heights, N. Y.

 MOYER, JOSEPH N. (S'4B-A'50-M'55-SM'57), Mem. Tech.
 Staff, Controls Div., Ramo-Wooldridge, 5500 W. El Segundo
 Blvd., Los Angeles 45, Calif.

 MOYER, LANDO K. (A'36-VA'39), Service Mgr., Dimmig
 Electric Co., Inc., 240 W. Broad St., Quakertown, Pa.

 MOYER, LYLE S. (M'56), Comptroller, Saskatchewan
 Liquor Board, Regina, Sask. Canada.

 MOYER, RICHARD H. (S'55-M'5B), Prod. Engr., Western
 Electric Co., Allentown, Pa.

 MOYER, ROBERT C. (SM'54), Mgr., Recording Dev., RCA
 Victor Record Div., 501 N. La Salle St., Indianapolis 1,
 Ind.

- victor Record Div., 501 N. La Salle St., Indianapolis 1, Indianapolis 1, Indianapolis 1, Indianapolis 1, Indianapolis 1, Indianapolis 2, Pa. MOYERS, ROBERT K. (M'56), Tech. Rep. Field Engr., Philao Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. MOYERS, WENDELL D. (M'59), Assoc. Prod. Dev. Engr., Internati. Resistance Co., Burlington, Iowa. MOYLAN, JOHN D. (S'50-A'53-M'57), Engr., Raytheon Mfg. Co., 225 Crescent St., Waltham 54, Mass. MOYNAHAN, GEORGE F., JR. (S'49-A'50-SM'55), Col., U.S. Army, Signal Corps, Dir., Combat Developments, U.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz. MOYNIHAN, JOHN D. (S'43-A'49-SM'55), Chief Engr., Ferroxcube Corp. of America. Sauperties. N. WOYNIHAN, JOSEPH F. (M'51), Staff Specialist, Price, Waterhouse & Co., 3100 Prudential Plaza, Chicago 1, Ill. MOZEK, GEORGE J. (45'94), Chief Design & Applications Engr., Tung-Sol Electric, Inc., 545 N. Arlington Ave., East Orange, N.J.

- MOZENTER, MORTON J. (S'52-A'53-M'55), Material Quality Mgr., Tele-Dynamics, Inc., 5000 Parkside Ave., Philadelphia,
- MOZZI, EDY J. (M¹56), Design & Dev. Engr., RCA, Camden 2, N.J.
- MRAS, ROBERT J. (S'53-A'54-M'56), Research Engr., Lockheed Aircraft Corp., 7701 Woodley Ave., Van Nuys, Calif.
- Nuys, Calif.

 MRAZ, WILLIAM L. (S'41-A'45-SM'52), Mem. Tech.
 Staff, Bell Tel. Labs., White Sands Proving Ground, N.M.

 MRAZEK, DALE A. (S'51-A'54), Project Engr., AC Spark
 Plug Co., 1925 E. Keniworth Pl., Milwaukee 2, Wis.

 MRAZEK, WILBERT F. (M'52), Prod. Mgr., Amphenol Electronics Corp., Plant 4, 63 at Harlem. Chicago, Ill.

 MROSE, JAMES E. (M'57), Patent Atty., Dike, Thompson
 & Bronstein, 24 School St., Boston, Mass.

 MROZ, MATTHEW (A'46-SM'46), Engr., Admiral Corp., 3BOO
 Cordand St., Chicago 47, Ill

 WUANGPHANT, CHUL (A'57-M'5B), Chief Asst., Engrg.,
 Royal Thai Air Force Thailand, 7th Wing Command, Sattahep
 AFB, Cholburi, Thailand.

 MUCCI, GENO (A'52-M'5B), Engr., Westinghouse Electric

- AFB, Cholburi, Thailand.

 MUCCI, GENO (A'52-M'5B), Engr., Westinghouse Electric Corp., Braddock Ave., East Pittsburgh, Pa.

 MUCHER, GEORGE J. (A'36-VA'39-M'55-SM'57), Exec. V.P., Clarostat Mig. Co., Inc., Dover, N.H.

 MUCHMORE, ROBERT B. (S'39-A'40-SM'49), Dir., Guidance Research Lab., Space Technology Labs., Inc., Box 95001, Los Angeles 54, Calif.

 MUCHMORE, THOMAS F.C. (M'51), Electronic Consultant, 3000 39 St., N.W., Washington 16, D. C.

 MUCHNICK, PAUL (S'44-A'49-M'55), Engrg. Sect. Mgr., Sorensen & Co., Inc., Richards Ave., S., Norwalk, Conn. MUCKEL, FRANKLIN H. (S'56-M'59), 5303 Willows Ave., Philadelphia 43, Pa.

 MUCKENIRN, O. WILLIAM (M'47-SM'55), Assor. Pmf.
- MUCKENHIRN, O. WILLIAM (M'47-SM'55), Assoc. Prof. Univ. of Minnesota, Elec. Engrg. Dept., Minneapolis 14, Minne
- MUCKENHOUPT, FREDERICK W. (A'50-M'55), Instru-mentation Engr., Harvard School of Public Health, Phy-siology Dept., 55 Shatturk St., Boston 15, Masse, MUDGETT, ARTHUR H., (S'41-A'47-M'55-SM'57), Chief Tech . Planner, Plans & Operations , Army Electronic
- Provino Ground. Ft. Huschura. Ari?.

 MUDCETT, WALTER L. (A'52-M'57), Tech. Staff, Missile
 Electronics & Controls Dept., RCA, Rtes. 3 & 62, Burlington, Mass.
- ton, Mass.
 MUDGWAY, DOUGLAS J. (A'57), Sr. Scientific Officer,
 Weapons Research Est., Adelaide, South Australia.
 MUEHLDORF, EUGEN I. (M'59), Sr. Engr., Westinghouse
 Elec. Corp., Box 1897, Baltimore 3, Md.
 MUEHLNER, JOACHIM W. (M'50-5M'5B), Mgr., Communications Research, Lockheed Missile & Space Div., Palo
 Alto, Calif.
 MUELLER, ANDREW A. (S'46-A'4B-M'55), Plant Mgr.,
 Mark Products Co., 6412 W. Lincoln Ave., Morton Grove,
 III.
- MUELLER, ANSON G. (A'50), Studio Supvr., Alladin Radio & TV, Inc., KLZ-TV, 131 Speer Blvd., Denver, Colo.
- Colo.

 MUELLER, ARNO V. A. (S'57-M'59), Research Asst.,
 Communication Systems Dept., Swiss Federal Institute
 of Technology, Zurich, Switzerland.
 MUELLER, ARTHUR J. (S'49-A'50-M'55), Engr., CloughBrenole Co. . 6014 N. Broadway. Chicaoo 40. III.
 MUELLER, CHARLES F. (S'55-M'57), Assoc. Engr.,
 IBM, Owego, N. J.
 MUELLER, CHARLES W. (S'35-A'36-SM'45-F'59),
 Research Engr., RCA, Princeton, N. J.
 MUELLER, CHARLES W. (A'51-M'52-SM'53), Chief Air
 Navigation Facilities Branch, FAA, Aeronautical Center, Box
 1082, Oklahoma City, Okla.
 MUELLER, DAVE C. (S'55-M'57), Assoc. Forg. IBM

- MUELLER, DAVE C. (S'55-M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.

 MUELLER, EDWARD J. (S'49-A'51), Communications Systems Engr., Electronics Div., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
- Box 1897, Battimore 3, Md.

 MUELLER, ERNEST H. (S'41-A'43-SM'55), Sr. Engr.,
 Communications Div., Arabian-American Oil Co., Dhahran,
 Saudi Arabia (also 505 Park Ave., New York, N.Y.).

 MUELLER, EUGENE L. (A'27-M'55), Technician, Avalon
 Park Electronics, B012 Kimbark Ave., Chicago 19, III.
- MUELLER, FOORMAN L. (A'45-M'55), Patent Atty., Mueller & Aichele, Chicago 3, III.

 MUELLER, FRANK J. (A'53-M'5B), Electronics Engr., Airborne Instruments Lab., Mineola, L.I., N.Y.

 MUELLER, GEORGE E. (S'39-A'41-SM'46), Dir., Telecommunications Systems Lab., Space Technology Labs., 5730 Arbor Vitae St., Los Angeles 45, Calif.

MUE-MUR - 307 -

- MUELLER, GEORGE J. (SM'47), Sr. Staff Mem., Thompson-Ramo-Wooldridge Co., 5500 W. El Segundo Blvd., Los Anaeles 45. Calif.
 MUELLER, HELMUT E. (M'57), Patent Atty., IBM, 590
 Madison Ave., New York, N.Y., IBM Research Lab.,
 Zurich, Switzerland.
- Zurich, Switzerland.
 MUELLER, HOWARO W. (M¹53), Sr. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.
 MUELLER, JOHN F. (S¹55-M¹57), Jr. Project Engr.,
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro,
- Eclipse-Pioner DIV., Dennia Arianon Conf., Lenkurt Electric Co., 1105 Old County Rd., San Carlos, Calif.
 MUELLER, MARTIN T. (S'51-A'52-M'57), Engr., Lenkurt Electric Co., 1105 Old County Rd., San Carlos, Calif.
 MUELLER, PAUL L. (A'45-M'55), Oept. Chief, Western Electric Co., 220 Church St., New York 13, N.Y.
 MUELLER, ROBERT W. (M'56), Project Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, Ill.
 MUELLER, RUDOLF A. (A'54), Dr. Techniclan, Electronics Engr., Siemens & Halske A. G., St. Martinstr.
 76, Munchen, Germany.
 MIFFITER, THOMAS E. (S'57-M'5B), Engr., McDonnell

- MUELLER, THOMAS E. (S'57-M'5B), Engr., McDonnell Aircraft Corp., St. Louis, Mo.
 MUELLER, WILLIAM A. (A'34-VA'39-M'55), Sound DIr., Warner Bros. Pictures, Inc., 4000 W. Warner Blvd., Burbank, Calif.
- MUELLER, WILLIAM J. (M'54), Instr., State Univ. of New York, College of Medicine, 766 Irving Ave., Syracuse 10, N.Y.
- MUELLER, WILLIAM M. (S'52-A'53-M'5B), Mem. Tech. Staff, Electron Oynamics Dept., Hughes Alrcraft Co., Culver City, Calif.
- HEAD, Commercial Engrg. Dept., Sylvania Elec. Prods., inc., Emporium, Pa.
- MUENCH, WILLIAM H. (A'53), Engr., Falstrom Co., Falstrom Ct., Passaic, N.J. MUENZER, BERNARD M. (A'52-M'5B), Dev. Engr., IBM, Poughkeepsie, N.Y.
- MUENZER, BERNARD M. (A'52-M'5B), Dev. Engr., IBM, Poughkeepsie, N.Y.

 MUENZER, RICHARD H. (M'5B), Components Engr., Philoc Corp., 3675 Fabian Way, Palo Alto, Calif.

 MUERLE, JOHN L. (S'52-A'54), Research Asst., Univ. of Illinois, Oligital Computer Lab., Urbana, Ill.

 MUERY, ROBERT W. (A'54-M'5B), Sr. Engr., Chance-Vought Aircraft Co., Dallas, Tex.

 MUFFLY, GARY (S'32-A'35-SM'47), Asst. Div. Dir., Instrument Oev. Div., Gulf Research & Development Co., Drawer 203B, Pittsburgh 30, Pa.

 MUHLBERGER, JOSEPH G. (A'5B), Radar Technician, I and Air. Inc., Box 376. Holloman AFB. N.M.

 MUHLESTEIN, RAY W. (M'57), Research Engr., No. Amer. Aviation, Downey, Calif.

 MUHM, ROBERT E. (S'57-M'58), 732 Nottingham, Richardson, Tex.

 MUIR, DONALD A. (SM'56), Chief Engr., Civic Broadcasting Corp., WOLF, Kirkpatrick & Van Rensselaer St., Syracuse, N.Y.

 MUIR, HUBERT M. (A'57), Chemical Engr., Research

- N.Y.
 MUIR, HUBERT M. (A'57), Chemical Engr., Research Chemicals, Inc., 170 W. Providencia, Burbank, Calif.
 MUIR, L. MALCOLM (A'57), Systems Engr., Telephor.
 Cables Oiv., Prescot, Lancs., England.
 MUIRHEAD, CHARLES R. (SM'52), Circuit Dev. Engr.,
 Sperry Gyroscope Co. of Canada, Ltd., Box 710, 6011
 Cote Des Liesse Rd., Montreal, P.Q., Canada.

- Sperry Gyroscope Co. of Canada, Ltd., Box 710, 6011
 Cote Oes Liesse Rd., Montreal, P. Q., Canada.

 MUIRNEAD, DAVID E. (5'57-A'58), Salesman, Audio
 Workshop, Inc., 732 Broadway, New York 3, N.Y.

 MUKERJEE, TAPAN (A'59), IB-2-8, J.L. Nehru Rd.,
 Allahabad, India.

 MUKERJ, MOHI M. (S'47-A'49-M'52-SM'54), Divisional
 Engr., Instrumentation, Hindusthan Steel, Ltd., Bhilal Steel
 Project, Bhilai-1, Durg, M.P., India.

 MULDER, HENRY E. (S'53-A'54-M'59), Fleld Engr.,
 Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 MULDOWN, WILLIAM J. (A'49-SM'55), Chief Engr.,
 Magnetic Amplifiers, Inc., 136 Washinston St., El
 Segundo, Calif.

 MULDOWNEY, JOHN F. (A'55), Engrg. Supvr., No. Amer.
 Aviation, 4500 W. 5 Ave., Columbus 11, Ohio.

 MULFORD, JAMES E. (S'57-M'58), Engr., Spraque Electric Co., Marshall St., North Adams, Mass.

 MULHERIN, ELWYNE M. (M'53), Electronic Scientist,
 Naval Air Development Center., Johnsville, Pa.

 MULHERON, ARLEN R. (A'57), Assoc. Engr., Western
 Electric Co., Chatham Rd., Winston-Salem, N.C.

 MULHOLLAND, EDWIN J. (S'53-A'55), Sr. Research Engr.,
 Republic Aviation Copr., Farmingdale, L.I., N.Y.

 MULHOLLAND, GEORGE C. (A'57), Supvs. Sound Engr.,
 Normandie Productions, Ltd., 310 Lakeshore Rd., Toronto
 14, Ont., Canada.

 MULHOLLAND, GEORGE T. (A'57), Electronics Technician,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- mountainue Productions, Ltd., 310 Lakeshore Rd., Toronto 14, Ont., Canada.

 MULHOLLAND, GEDRGE T. (A'57), Electronics Technician, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 MULHOLLAND, KENNETH H. (M'58), 1853 Taylor Ave., St. Paul, Minn.

 MULICA, ALVIN R. (S'55-M'56), Sales Engr., Semiconductor Div., Westinghouse Elec. Corp., Youngwood, Pa.

 MULIGANO, GEORGE A. (SM'58), Sr. Project Engr., U.S.
 Naval Training Device Center, Port Washington, L.I., N.Y.

 MULL, CHARLES L. (S'56-M'58), Lt., USN, USS Dupont (D0-941), FPO, New York, N.Y.

 MULL, HAROLD R. (A'44-SM'51), Prod. Mgr., Industrial Acoustics Co., 341 Jackson Ave., New York, N.Y.

 MULLAN, LESTER A. (A'47-M'51), Chief Studio Engr., KTRH Broadcasting Co., Rice Hotel, Houston 1, Tex.

 MULLANY, FRANK C. (A'52-SM'52), V.P., Engrg., Control Data Corp., 501 Park Ave., Minneapolis 15, Minn.

 MULLANEY, JOHN H. (SM'59), Owner, John H. Mullaney Consulting Radio Engrs., 2000 'P' St., N.W., Washington, O.C.

 MULLARKEY, WILLIAM E. (S'58-M'59), Electronics

- U.C. WILLARKEY, WILLIAM E. (S'58-M'59), Electronics Scientist, USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.

 MULLE, WARREN A. (S'55-M'57), Elec. Engr., RCA, Moorestown, N.J.

 MULLEN, CECIL V. (A'51), TV Technician, WCAU-TV, City Line, Philadelphia 31, Pa.
- MULLEN, DANIEL J. (M'59), Elec. Engr., RCA, Camden,
- N.J.
 MULLEN, EARLE B. (A'52-M'55), Engr., GE Co.,
 Syracuse, N.Y.
 MULLEN, HERBERT P., JR. (S'54-A'56), Customer Engr., IBM. 340 S. Broadway. Akron 8. Ohio.

- MULLEN, JAMES A. (S'50-A'55-SM'57), Mem. Research Staff, Raytheon Mfg. Co., Waltham 54, Mass. MULLEN, JOHN F. (M'5B), Tech Rep. Field Engr., Philico Corp., 22 St. & Lehigh Ave., Philiadelphia 32, Pa. MULLEN, JOHN P. (A'53-M'5B), Systems Analyst, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

- MULLEN, JOHN P. (A'53-M'5B), Systems Analyst, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 MULLEN, ROBERT L. (A'57), Engr., SImpson Electric Corp., 5200 W. Kinzie St., Chicago, III.

 MULLEN, THOMAS R. (S'57-M'59), Elec. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Callf.

 MULLENGER, KEITHE. (A'46-M'55), Engr., RCA, 630 5 Ave., New York 20, N.Y.

 MULLER, CONRAD R. (S'35-A'39-SM'52), Sr. Project Engr., ITT Labs., Nutley 10, N.J.

 MULLER, EUGENE S. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 MULLER, EUGENE S. (M'59), Radome Design Engr., Brunswick-Balke-Collender Co., Marion, Va.

 MULLER, FREDERICO R. (A'56), Head, Research & Dev. Div., Varig Alrines, (Telecommunications) Box 243, Porto Alegre, Brasil.

 MULLER, JARN J. (A'56), Tech. Dir., Le Materiel Telephonique, 46 Quai de Boulogne, Paris, France.

 MULLER, JOHN H. (A'30-SM'45), V.P., RCA Communications, Inc., 66 Broad St., New York 4, N.Y.

 MULLER, MARCEL W. (SM'57), Research Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 MULLER, RICHARD A. (S'42-A'45-SM'50), Supvr., Engr., Control, Canadian Aviation Electronics, 6214

 Cote de Liesse Rd., Montreal, P. Q., Canada

 MULLER, RICHARD S. (S'56-M'57), Electronics Technician, Fisher Radio Corp., 21-21 44 Dr., Long Island City 1, N.Y.

 MULLER, RICHARD S. (S'56-M'57), Electronics Technician, Fisher Radio Corp., 21-21 44 Dr., Long Island City 1, N.Y.

 MULLER, RICHARD S. (S'56-M'57), Electronic Scientist, U.S. Naval Research Lab.. Washington 25 R.C.
- Cajif.

 MULLER, RONALO M. (S'56-M'57), Electronic Scientist, U.S. Naval Research Lab., Washington 25, D.C.

 MULLER, STEPHEN N. (A'54), System Analyst, IBM, Ltd., Don Mills Rd., Toronto, Ont., Canada.

 MULLER, THOMAS A. (S'56-M'59), Electronics Engr., Motorola, Inc., B201 E. McDowell, Phoenix, Arz.

 MULLER, WILLIAM G. (S'56-M'57), Jr. Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 MULLER, WILLIAM J. (M'59), Chief Engr., Airtron Canada, Ltd., Renfrew, Ont., Canada.

 MULLER, WILLIAM J. (M'59), Engr., Antenna, Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.

 MULLERSMAN, FERDINAND H. (S'51-A'53-M'58), Electron Tube Dev. Engr., GE Co., 316 E. 9 St., Owensboro, Ky.

- MULLICH, GEORGE L. (A'52-M'58), Sr. Engr., 8endix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- MULLICK, SATISH K. (A'59), Dept. of Electronics & Elec. Communications, Indian Institute of Technology, Kharagpur, West Bengal, India.

- Elec. Communications, Indian Institute of Technology, Kharagpur, West Bengal, India.

 MULLIGAN, JAMES H., JR. (S'41-A'45-M'45-SM'54), Prof. & Chmn., Deot. of Elec. Engrg., College of Engrg., New York Miniv., Univ. Hgts., New York SJ. N.Y.

 MULLIGAN, JOHN M. (M'54), 2-way Radlo Maintenance & Installation, B19 Clairmont Ave., Elmira, N.Y.

 MULLIGAN, JOHN R. A., JR. (S'50-A'51-M'57), Engr., Spery Gyroscope Co., Great "eck, L.I., N.Y.

 MULLIGAN, MILTON A. (A'5B), Electronics Technician, Boulder Labs., Natl. Bureau of Standards, Boulder, Colo. MULLIGAN, ROBERT C. (A'59), Sales Engr., Diamonite Profs. Mfg. Co., Shreve, Ohio.

 MULLIGAN, ROBERT C. (A'59), Dir., New Profs. Div., Internatl. Instruments, Inc., West Haven, Conn.

 MULLIN, FRANCIS J. (S'54-M'59), Asst. Prof., Elec. Engrg., California Institute of Technology, Pasadena, Calif. MULLIN, JAMES F. (S'52-A'53-M'58), Engr., New York Telephone Co., 101 Willoughby St., Brooklyn 1, N.Y.

 MULLIN, JOHN L. (A'56), Elec. Engr., Melpar, Inc., 3000 Arlington Bird., Falls Church, Va.

 MULLIN, JOHN T. (M'46), Dir., Engrg., Mincom Div., Minnesota Mining & Mfg. Co., 11701 Mississippl Ave., Los Angeles 25, Calif.

 MULLIN, LEROY A. (A'31-SM'46), Teaching & Research, Syracuse Ion. N. Y

- MULLIN, LERDY A. (A'31-SM'46), Teaching & Research, Syracuse Univ., Syracuse 10, N.Y.
 MULLIN, MAURICE L. (A'54-M'56), Engr., Sylvania Elec.
 Prods., Inc., Mount Pleasant, Burlington, Jowa.
 MULLING, LLDWIG C. (S'57-M'58), 80x 1266, West
 Monroe, La.

- Monroe, La.

 MULLINIX, NORMAN E. (S '49-A'50-M'56), Sr. Engr.,
 Westinghouse Electronics Dlv., Box 746, Baltimore 3, Md.

 MULLINS, FRANK G., JR. (A '48-SM'54), Supvg. Engr.,
 Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 MULLINS, FRANK G., JR. (A '48-SM'54), Supvg. Engr.,
 Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 MULLINS, RAYFIELD M. (M'59), Sr. Electronics Systems
 Engr., Lockheed Aircraft Corp., Marietta, Ga.

 MULLINS, WILLIAM H., (S'46-A'48-M'55), Mem. Tech.

 Staff, Hughes Aircraft Co., Culver City, Calif.

 MULLINS, CAROL B. (S '49-A'51-M'56), Asst. Elec. Engr.,
 Duke Power Co., Charlotte, N.C.

 MULLISO, JAMES L. (S'55-A'59), Electronics Technician,
 Univ. of Michigan, Ann Arbor, Mich.

 MULLOY, FRANCIS A. (A'57), Asst. Plant Supvr., Inside
 Canadian Natl. Telegraphs, 152 Water St., St. Johns,
 Nid., Canado.

 MULLOY, LAWRENCE E. (S'49-A'50-M'55). Dev. Engr.

- Nild., Canada.

 MULOCK, LAWRENCE E. (S'49-A'50-M'55), Dev. Engr.,
 IBM, Endicott, N.Y.

 MULOCK, RICHARD B. (M'56), Systems Reliability Engr.,
 Aerojet Genl. Corp., Azusa, Calif.

 MULTARI, ALFRED M. (M'56), Chief Engr., Tempo Instrument, Inc., Hickswille, L.I., N.Y.

 MULVEY, JOHN A. (A'54), Field Engr., Tektronix, Inc.,
 5441 E. Beverly Blvd., Los Angeles 22, Calif.

 MULVEY, JOHN X., JR. (S'49-A'50-M'58), Design Specialist, Convair-Astronautics, San Diego 12, Calif.

 MUMFORD, EDWIN L. (S'52-A'53-M'58), Sr. Engr., ITT
 Labs., Nutley 10, N.J.
- MUMPORD, LLOYD GT (S'42-A'43-M'55), Mgr., Application Engr., Receiving Tubes, GE Co., 316 E. 9 St., Owensboro, Ky.

- MUMFORD, WILLIAM W. (A'30-SM'46-F'52), Mem. Tech. Staff, Beli Tel. Labs., Whippany, N.J.

 MUMMA, HARRIES A., JR. (A'42-SM'55), Mgr., Patent Sect., The Todd Co. Div., Burroughs Corp., University Ave.. Rochester 3. N.Y.

 MUMMA, JOHN W. (S'4B-A'51-M'56), Research Engr., Missile Systems Div., Lockheed Aircraft Corp., 7701

 Woodley Ave., Van Nuys, Calif.

- Misslié Systems Div., Lockheed Aircraft Corp., 7701
 Woodley Ave., Van Nuys, Calif.
 MUMMA, ROBERT E. (A'44-SM'4B), Head, Elec. Prods.,
 Engro. Debt., Natl. Cash Register Co., S. Main St.,
 Dayton 9, Ohlo.
 MUNCH, WALTER, JR. (S'54-M'56), Elec. Engr., Baldwin
 Plano Co., 1B01 Gilbert Ave., Cincinnatl, Ohlo.
 MUNCY, CLAIRE F. (A'55-M'5B), Mem., Faculty, Industrial College of Armed Forces, Ft. McNair, Washington
 25, D.C.
 MUNCY, JAMES H. (M'46), Electronics Engr., Natl. Bureau
 of Standards. Washinoton 25. D.C.
 MUNCY, WALTER A. (S'57-M'59), Electronics Engr., Bourns
 Labs., 6135 Magnolia Avg., Riverside, Calif.
 MUND, MARVIN A. (S'51-A'52-M'57), Engr., Hughes
 Aircraft Co., Ground System Div., Fullerton, Calif.
 MUNDAY, THOMAS M. (S'57-M'58), Elec. Engr., Admiral
 Radio Corp., 3800 W. Cortland St., Chicago 47, Ill.
 MUNDAY, THOMAS W. (A'57), Engr., Electronic Communications, Inc., 1501 72 St., N., 5t. Petersburg, Fla.
 MUNDAY, WILLIAM A. (S'54-A'55-M'59), Instr., Elec.,
 Engr., Iowa State College, Ames, Iowa
 MUNDEL, EDWARD F. (S'57-M'58), Engr., Emerson
 Electric Mrg. Co., 8100 W. Florissant Ave., St.
 Louis 21, Mb.
 MUNDELL, DONALD P. (S'56-A'58), 3631 Matador Dr.,
 Dallas 20 J. rex.

- MUNDELL, DONALD P. (S'56-A'58), 3631 Matador Dr., Dallas 20, Tex.
- Dallas 20, Tex.

 MUNDELL, ELMORE H. (A'53), Research Engr., R.R.

 Donnelley & Sons, 350 E. 22 St., Chicago 16, III.

 MUNDELL, KENNETH C. (S'51-A'52-M'55), Dev. Engr.,

 Daystrom Instrument Div., Daystrom, Inc., Archbald, Pa.

 MUNDO, CHARLES J., JR. (S'46-A'52-M'56-SM'57),

 Staff Consultant, American Bosch Arma Co., Garden City,

 L.I., N.Y.
- MUNDO, CHARLES J., JR. (S'46-A'52-M'56-SM'57),
 Staff Consultant, American Bosch Arma Co., Garden City,
 L.I., N.Y.

 MUNDRCK, EDWARO L. (A'52-M'58), Staff Engr., IBM,
 99 Notre Dame Ave., San Jose, Calif.

 MUNDSCHAU, MARVIN J. (S'56-M'58), Jr. Engr., AC
 Spark Plug, 1925 E. Kenilworth Ave., Milwaukee. Wis.
 MUNDT, EOWARD (S'51-A'53-M'58), Sr. Engr., Hycon
 Mg. Co., 321 S. Arroyo Pkwy., Pasadena, Calif.

 MUNGER, JAMES C. (S'49-A'51-M'56), Sales Engr.,
 Sylvania Elec. Prods., Inc., 6505 E. Gayhart St.,
 Los Angeles 54, Calif.

 MUNGER, ROBERT E. (A'58), USAF, Home: 4404 Upland
 Or., Yakima, Wash.

 MUNIER, JOHN H. (M'56), Mgr., Genl. Prod. Dev. Labs.,
 Coming Glass Works, Coming, N.Y.

 MUNIZ, RICARDO (M'43-SM'49), Mgr., Engre, & Coordinator of Consumer Prods. Operations, Magnavox Co., 2131
 Beuter Ave., Ft. Wayne, Ind.

 MUNK, PAUL R. (M'59), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N.J.

 MUNK, ANDERT (M'56), Head, Design Engr., Pershing
 Guidance Sect., Martin Co., Orlando, Fia.

 MUNK, ASEY, PAUL F. (A'49-M'55), Electronics Engr.,
 Navy Dept., Bureau of Ordnance, Washington 25, O.C.

 MUNN, ALFRED J. (A'41-SM'55), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N.J.

 MUNN, CHARED, JR. (A'48-M'55), Consulting Radio
 Engr., 57 Edison Ct., Coldwater, Mich.

 MUNN, ROBERT I. (S'57-M'59), 225 Joline Ave., Long
 Branch, N.J.

 MUNN, ROBERT E. (S'56-M'58), Electronics Scientist,
 U.S. Naval Ordnance Lab., Corona, Calif.

 MUNN, ROBERT I. (S'55-M'58), Electronic Scientist,
 U.S. Naval Ordnance Lab., Corona, Calif.

 MUNN, ROBERT J. (A'56), Dev. Engr., Motorola, Inc.,
 4501 Augusta Blivd., Chicago 51, Ill.

 MUNN, ROBERT J. (A'56), Dev. Engr., Motorola, Inc.,
 4501 Augusta Blivd., Chicago 51, Ill.

 MUNN, CEORGE H. (A'30-SM'49), Elec. Engrg. Dept.,
 Univ. of Sydney, New South Wales, Australia.

 MUNRO, JOHN R. (M'58), 101 Sycamore Rd., Sevema
 Park, Md.

 MUNROE, PAUL C. (SM'57), Exec. V.P. & Geni. Mgr.,
 Bright Star Industries, 600 Getty Ave., Clifton, N.J.

- UNIV. of Sydney, New South wates, Australia.

 MUNRO, JOHN R. (M'58), 101 Sycamore Rd., Sevema
 Park, Md.

 MUNROE, PAUL C. (SM'57), Exec. V.P. & Genl. Mgr.,

 Bright Star Industries, 600 Getty Ave., Clifton, N.J.

 MUNSEY, CLARENCE J. (S'49-A'51-M'56), Project Engr.,

 Rheem Mig. Co., 7777 industry Ave., Rivera, Calif.

 MUNSHOWER, RICHARD M. (S'56-A'58), 3521 Henritze
- MUNSHOWER, KICHARU M. (5 96-4 95), 3921 Heintee Ave., Cleveland 9, Ohio. MUNSON, AROEN L. (5'54-4'57), Lab. Engr., R.8.M. Div., Essex Wire, 131 Godfrey, Logansport, Ind. MUNSON, HOWELL B. (SM'55), Engr., The Johns Hopkins Univ. Applied Physics Lab., 8621 Georgia Ave., Silver Spring, Md.
- Spring, Md.
 MUNSON, IVAN K. (M¹54-SM¹59), Mgr., Central Services &
 Engra., Defense Electronics Prods. Oiv.. RCA. Camden 2. N.J.
 MUNSON, JOHN E. (M¹56-SM¹58), Mem. Tech. Staff, Supvy.,
 Hughes Aircraft Co., Culver City. Callf.
 MUNSON, LAWRENCE A. (A¹44-M¹55), Principal Research
 Engr., Bendix Radio Div., Baltimore 4, Md.
 MUNSON, ROBERT O. (S¹56-M¹5B), Radar Engr., Emer-

- MUNSON, ROBERT O. (S'56-M'5B), Radar Engr., Emerson Electric Co... 8100 W. Florissant. St. Louis. Mo. MUNSON, RONALD R. (S'56-M'58), Field Engr., AC Spark Plug Div., Milwaukee, Wis. MUNSON, VERNE E. (M'58), Mem. Tech. Staff, Bell Tei. Labs., Murray Hill, N. J. MUNSTER, ALLEN C. (A'45-M'50-SM'54), Dir., Research, Govt. & Industrial, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- Govt. & Industral, Philico Copp., 47/00 wissainckon Ave., Philadelphia 44, Pa.

 MUNT, IRWIN (\$153-A!54), Sr. Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 MUNTZ, WILL LAM E. (A'42-S14'49), Mgr., Control & Instrumentation Engr., Atomic Fower Equipment Dept., GE Co., Schenectady, N.Y.

 MUNUSHIAN, JACK (\$152-A'54), Head, Electronic Circuits Sect., Microwave Lab., Hughes Aircraft Co., Crilver City, Calif. MUNZER, EDWARD N. (M'46-SM'59), Supvr., Electronics Engr., Forme Air Development Center. Griffiss AFB. N.Y.

 MUNZER, LOUIS F. (A'31-M'45), Supvr., RCA Communications, Inc., Rocky Point, L.I., N.Y.

 MUOLO, ANTHONY W. (A'53-M'58), Data Communications Systems Engr., RCA, Camden 2, N.J.

 MURACHVER, JACQUES (M'53), Sr. Engr., Microwave Tube Applications, Sylvania Elec. Prods., Inc., Woburn, Mass.

- MURAD, EMIL M. (M'55), Principal Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
 MURAD, RONALD V. (M'56), Assoc. Engr., Computer
 Design, IBM, Kingston, N.Y.
 MURAHATA, SUEKI (M'58), Electronics Engr., Dept. of
 Commerce, Natl. Bureau of Standards, Boulder, Colo.
 MURAI, ARON I. (S'56-M'58), Elec. Engr., Design & Dev.,
 RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.
 MURAKAMI, EUGENE T. (S'55-M'56), Electronics Engr.,
 RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.
 MURAKAMI, ICHIRO (A'57), Vice Chief Radio Frequency
 Research Sect., Japan Broadcasting Corp., Tech. Research Lab., 361 Kinuta-Machi, Setagaya-Ku, Tokyo, Japan.
 MURAKAMI, PAUL K. (A'51-M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey. Calif.
 MURAKAMI, TOMOMI (A'45-M'51-SM'55), Advanced Dev.
 Engr., TV Div., RCA, Camden, N.J.
 MURAL, FRANK (A'36-VA'39-M'55), Research Engr.,
 Philico Corp., C & Tioga Sts., Philadelphia 32, Pa.
 MURANO, LODOVICO (M'56), Tech. Staff Mem., RCA
 Airborne System Lab., 225 Crescent St., Waltham, Mass.
 MURAR, EDWARD J. (M'57), Toll Telephone Repeaterman,
 Southwestern Bell Tel. Co., 405 N. Broadway, Oklahoma
 City, Okla.
 MURATA, KAZUE (A'57), Shimada Physical & Chemical

- Southwestern Bell Tel. Co., 405 N. Broadway, Oklahoma City, Okla.

 MJRATA, KAZUE (A+57), Shimada Physical & Chemical Industrial Co., 17 Fujimi-cho, Nakano-ku, Tokyo, Japan.

 MURBACH, J. FREDERICK (A+52-M+57), Dir., Patent Research Div., Mfrs. Aircraft Association, Inc., 45 Rockefeller Plaza, New York 20, N.Y.

 MURDOCH, ALEX, JR. (SM+52), Dir., Murdoch Labs. Div., Blackstone Corp., 921 Port Washington Blvd., Port Washington, L.I., N.Y.

 MURDOCK, ALBERT E. (A+58), 7 Radio Relay Sqdn., APO 10, New York, N.Y.

 MURDOCK, BEN J. (S+52-A+53-M+55-SM+57), Head, Application Engrg. Dept., Collins Radio Co., 1930 Hiline Dr., Dallas, Tex.

 MURDOCK, CLAYTON E. (A+51-M+58), Mgr., Engrg., Electron Tube Div., Hughes Aircraft Co., Box 90427, Los Angeles 45, Calif.

 MURDOCK, LAWRENCE C. (SM+55), Sr. Staff Mem., Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Anneles 45, Calif.

 MURDOCK, LAWRENCE C. (SM+55), Sr. Staff Mem., Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Anneles 45, Calif.

 MURDOCK, M. J. (A+44, M+52), Seev., Tress., Telterium

- 2. N. J.

 MUREEN, ROBERT W. (A'5B), Sales Engr., Campion
 Sales Co., 9002 Chancellor Row, Dallas, Tex.

 MURET, LENOS G. (S'56-M'56), Engrg. Officer, USN.

 Home: 776 Bennett Ave., Long Beach 4, Calif.

 MURET, RICHARD N. (M'5B), Project Engr., Collins Radio
 Co., 2270 Ow. Olive Ave., Burbank, Calif.

 MURINO, CHARLES C. (S'51-A'53-M'5B), Engr., Westem
 Electric Co., 220 Church St., New York, N.Y.

 MURLEY, ELL SWORTH M., JR. (M'57), Asst., Project
 Engr., Owens-Illinois, 1700 N. Westwood, Toledo 10,
 Ohio.

- MURNICK, ANOREW, JR. (M'56), District Rep., Philco Corp., Tioga & C Sts., Philadelphia 34, Pa. MURDFF, JOHN M. (A'54), Investment Broker, Robinson & Co., Inc., Mem., New York Stock Exchange, 42 S. 15 St., Philadelphia 2, Pa.
- MURPHREE, FRANCIS J., JR. (A'42-M'54), Electronic Scientist, USN Mine Defense Lab., Panama City, Fla. MURPHREE, WILLIAM H. (M'58), Head, Electronics Instr., State Vocational School, 925 Fulton Rd., Mobile,
- Ala.

 MURPHY, ISAAC G. (A'41-M'52), Radio Engr., U. S. Information Agency, Box 868, Waianae, Hawaii.

 MURPHY, ALFRED L. (A'52-M'57), Antenna Engr., D. S. Kennedy & Co., 155 King St., Cohasset, Mass.

 MURPHY, ARTHUR T. (A'54), Head, Elec. Engrg. Dept., Univ. of Wichita, Wichita 14, Kan.

 MURPHY, AUGUST W. (S'52-A'53), Dev. Engr., Federal Telephone & Radio Co., 100 Kingsland Rd., Clifton, N.J.

 MURPHY, BARRY F. (M'55), Asst. Regional Radio Aids Engr., Telecommunications Branch, Dept. of Transport, 706 GPO, Winnipeg J. Man., Canada.

 MURPHY, BERNARD (M'56), Dir., European Computation Center, Electronic Associates, Inc., 43 rue de la Science, Brissels, Belgium.

- Brissels, Belgium.

 MURPHY, BROWER (A'48-M'57), Partner, Murphy & Cota, 2110 Peachtree Rd., N.W., Atlanta, Ga.

 MURPHY, CHARLES E. (S'46-A'48-M'55), Circuit Engr., North Electric Co., Galion, Ohio.

 MURPHY, CHARLES F. (M'58), Sr. Engr., Sylvania Elec. Prods., Inc., 189 'B'51. Needham 94, Mass.

 MURPHY, CHARLES H. S. (S'42-A'43-SM'53), Capt., USN, Cmdr., Naval Missile Center, Point Mugu, Calif.

 MURPHY, DESMOND F. (M'59), Sr. Engr., Globe Industries, Inc., 525 Main St., Belleville, N.J.

 MURPHY, DONALD L. (S'56-M'59), Jr. Engr., IBM, Endicott, N.Y.

- Endicott, N. Y.

 MURPHY, EDMUIND G. (M '53), Patent Atty., E. Guyer
 Murphy, 332 E. Cheltenham Ave., Philadelphia 20, Pa.

 MURPHY, EDWARD J. (A '40-M'46-5M'53), Engr., Varlan
 Associates, 611 Hansen Way, Palo Alto 2, Calif.

 MURPHY, EDWARD J. (S '49-A '51-M'54), Physical
 Scientist, U. S. Navai War College, Newport, R. I.

 MURPHY, FRANCIS J. (M '56), Mech. Engr., ITT Labs.,
 3200 Wayme Trace, Ft. Wayne, Ind.

 MURPHY, GEORGE L. (S '51-A '52-M'57), Engrg. Dir., Educational TV Dept., Alabama Polytechnic Institute, Aubum,
 Ala.

- Ala.

 MURPHY, GERALD G. (S'41-A'44-M'55-SM'57), Communications Consultant, G.G. Murphy, 153 Rock Hill Rd., Clifton, N.J.

 MURPHY, GLYNN N. (M'57), Broadway Maintenance Corp., 22-09 Bridge Plaza, N., Long Island City, N.Y.

 MURPHY, GORDON J. (M'55), Assoc. Prof., Elec. Engrg., Northwestern Univ., Evanston, Ill.

 MURPHY, HOWARD E. (S'55-M'56), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 MURPHY, JAMES J. (S'56-M'58), Engr., Airborne Instruments Lab. Mineola. L.I. N.Y.

 MURPHY, JAMES J. (S'56-M'56), Assoc. Engr., Missile Systems Div., Lockheed Aircraft Corp., Sunnyvale, Calif.

- MURPHY, JAMES J. (A'56-M'57), Assoc. Engr., IBM,
- Poughkeepsie, N.Y.

 MURPHY, JAMES L. (A'45-M'49-SM'50), Group Leader,
 Bames Engro. Co., 30 Commerce Rd., Stamford, Conn.

 MURPHY, JOHN A., JR. (M'57), Sr. Engr., Stavid Engro.,
 Inc., U. S. Hwy. 22, Plainfield, N. J.

 MURPHY, JOHN E. (S'49-A'50-M'56), Asst. Project Engr.,
 Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 MURPHY, JOHN J. (S'51-A'52-M'57), Design, Dev. Engr.,
 RCA, Moorestown, N.J.

- KUA, Moorestowm, N.J.
 MURPHY, JOHN L. (A'57), Chief Transmission Man, Bell
 Tel. Co. of Nevada, 100 N. Center, Reno, Nev.
 MURPHY, JOHN S. (M'56), Training Dir., Special Machine
 Dent., Computer Sect., Burroughs Corp., 1616 Walnut
 St., Philadelphia, Pa.

- Dept., Compiler Sect., Burroughs Corp., 1616 Walnut St., Philadelphia, P.
 MURPHY, LAURENCE W. (M'58), Electronics Design Engr., The Mannavox Co., Ft. Wayne. Ind.
 MURPHY, LEO C. (M'56), Engr., Sperny-Utah Engrg, Lab., 322 N. 21 St., W., Salt Lake City, Utah.
 MURPHY, MARVIN L., JR. (S'54-A'54), Elec., Engr., Midland Geophysical Co., 605 W. Ohio, Midland, Tex.
 MURPHY, MELVIN H. (SM'58), Chief Electronics Engr., Tech. Prods. Div., Packard-Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.
 MURPHY, MELVIN R. (S'57-M'59), Research Asst., The Johns Hopkins Univ. Radiation Lab., Baltimore 2, Md.
 MURPHY, MICHAEL F. (S'54-M'57), Field Rep., GE Co., Svracuse. N.Y.
 MURPHY, MICHAEL J. (S'58-M'59), Elec. Engr., Volt Technical Coro., 241 Church St., New York 13, N.Y.
 MURPHY, ORLANDO J. (SM'49), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.
 MURPHY, PATRICK E. (M'58), Electronics Engr., Canadian Aviation Electronics, Cote de Liesse, Montreal, P.Q., Canada.
 MURPHY, RAYMOND (A'47-M'50-SM'58), Studio Opera-

- AVIAtion Electronics, Cote de Liesse, Montreal, P.Q., Canada.

 MURPHY, RAYMOND (A'47-M'50-SM'58), Studio Operations Supvr., Engrg. Dept., WFLA-TV, Tampa Tribune Co., 905. Jackson St., Tampa 1. Fila.

 MURPHY, RAYMOND E. (A'59), Electronics Dev. Technician, Natl. Institutes of Health, Bethesda 14, Md.

 MURPHY, RICHARD P. (A'47-M'55-SM'56), Sr. Staff
 Mem., Genl., Precision Lab., Inc., Pleasantville, N.Y.

 MURPHY, ROBERT B. (A'57), Tech. Librarian, American
 Bosch Ama Corp., Garden City, L.I., N.Y.

 MURPHY, ROBERT B. (A'57), Tech. Librarian, American
 Bosch Ama Corp., Garden City, L.I., N.Y.

 MURPHY, ROBERT E. (S'54-M'56), Elec. Engr., Westem Electric Co., 2500 Broening Hwy., Baltimore, Md.

 MURPHY, ROBERT E. (S'54-M'56), Elec. Engr., Westem Dev. Lab., Philco Corp., Palo Alto, Calif.

 MURPHY, ROBERT E. (S'54-M'59), Consulting Engr., 3234 Greer Rd., Palo Alto, Calif.

 MURPHY, ROY E., JR. (A'54-M'59), Consulting Engr., 3234 Greer Rd., Palo Alto, Calif.

 MURPHY, THOMAS C. (S'52-A'53), TV Engr., WBBM-TV, CSS, 630 N. McClurg Ct., Chicago, Ill.

 MURPHY, THOMAS F. (A'55), Design Engr., Advance Industries, Inc., 640 Memorial Dr., Cambridge, Mass.

 MURPHY, TIMOTHY J. (A'52-M'58), Engr., C8S Labs., Inc., High Ridge Rd., Stamford Conn.

 MURPHY, WILLIAM A. (M'56), Merchandlsing Supvr., Sylvania Elec. Prods., Inc., Emporium, Pa.

 MURPHY, WILLIAM F., JR. (S'51-A'52-M'56), Transmission Engr., Western Electric Co., 220 Church St., New York 13, N.Y.

 MIRPHY, MILLIAM J., (S'55-M'57), Research Engr., Midwestern Instruments, Tulsa, Okla.

- new York 13, N.Y.

 MURPHY, WILLIAM J. (S'55-M'57), Research Engr.,

 Midwestem Instruments, Tulsa, Okla.,

 MURPHY, WILLIAM L., JR. (S'49-A'50-M'56), Engr.,

 Eastman Kodak Co., Rochester 4. N.Y.,

 MURPHY, WILLIAM L. (A'54), District Service Mgr., Syl
 vania Electric (Canada), Ltd., 35 Vulcan St., Rexdale,

 Ont., Canada,
- Ont., Canada.

 MURPHY, WILLIAM M., JR. (S'4B-A'51-M'56), Sr. Engr.,
 Raytheon Mfg. Co., Bedford, Mass.

 MURPHY, WILLIAM T., JR. (A'59), Specialist, Prod.
 Analysis, GE Co., Mountain View Rd., Lynchburg, Va.

 MURR, JOHN, JR. (S'56-A'57), Research Technician,
 RCA Labs., Princeton, N.J.

 MURR, ROBERT H. (S'56-M'59), 9 Crimson King Lane,
 Levittown, Pa.

 MURR, VANCE E. (A'32-VA'39), Asst. Dir., Communications, Fastem Air Lines, Internati. Airport Branch, Box
 787, Miami 48, Fla.

- tions, Eastern Air Lines, Internati. Airport Branch, Box 787, Miami 48, Fla.

 MURR, WILLIAM C. (A'55), Research Asst., Univ. of California, Berkeley, Calif.

 MURRAY, ALBERT F. (A'20-M'26-F'38), Consulting Electronics Engr., 4900 Hillbrook Lane, Washington 16, D.C.

 MURRAY, C. WESLEY (A'41), Area Rep., Inspection Services Dept. of Nati. Defence, c/o Cossor (Canada), Ltd., 301 Windsor St., Halifax, N.S., Canada.

 MURRAY, C. WESLEY (A'41), Area Rep., Inspection Services Dept. of Nati. Defence, c/o Cossor (Canada), Ltd., 301 Windsor St., Halifax, N.S., Canada.

 MURRAY, CHARLES B. JR. (A'35-W39-M'48), Engr.-In-Chg., FCC. 208 Federal Courts Bida., St. Paul 2. Minn.

 MURRAY, DONALD W. (A'35-V3-9-M'48), Engr.-In-Chg., FCC. 208 Federal Courts Bida., St. Paul 2. Minn.

 MURRAY, DNALD W. (A'55), Research Engr., Pittsburgh Plate Glass Research, Creighton, Pa.

 MURRAY, GERALD J., JR. (S'56-M'58), Plant Analyst, Southern New Finciand Telenhone Co., New Haven Conn.

 MURRAY, HOWARD J., JR. (A'46-M'54), Asst. Patent Coursef, Naval Missile Center, Point Mugu, Calif.

 MURRAY, JACK M. (A'51), District Field Engr., RCA, Camden, N.J.

 MURRAY, JACK M. (A'51), District Field Engr., Mgr., Electro-Data Div., Burroughs Corp., 300 E. 9 St., Denver, Colo.

- MURRAY, JACK W. (M'56), Technician, Microwave, Texas Eastern Transmission Corp., Box 589, Cuero, Tex. MURRAY, JAMES B. (A'53-M'59), Supvy, Engr., Westing-house Elec. Corp., Electronics Div., Box 746, Baltimore 3, Md.
- mul. MURRAY, JAMES D., JR. (S'56-M'59), Electronics Officer, Staff Com. SUBPAC. USN. FPO. San Francisco. Calif. MURRAY, JAMES E. (M'58), Design Engr., Thompson-Ramo-Wooldridge Prods. Co., 7209 Platt, Cleveland 4, Ohio.
- MURRAY , JAMES W. (S'51-A'53-M'56), Mfrs', Rep., J. MURKAY, JAMES W. (5/31-4/32-M/36), MTS', Rep., J. W. Murray Co. . 56/37 Greenacres Ct. . Cincinnati 11. Ohio. MURRAY, JOE H. (5/46-A/49-M/55), Sr. Oynamics Engr., Convair, San Oiego 12, Calif. MURRAY, JOHN H. (A/55), Pres. & Treas., Murray Industries, Inc., 4308 Camegie Ave., Cleveland 3, Ohio.

- MURRAY, JOHN L. (S'53-M'56), Mem. Tech. Staff, Bell Tel. labs. . 463 West St. . New York 14 . N.Y. MURRAY, KENNETH W. (S'50-A'51-M'56), Mgr., Design Engrg., Nuclear Ordnance Projects, Missile & Ordnance Systems Dent. . GF Co. . 3198 Chestnut St. . Philadelohia . Pa. MURRAY, LEONARD 8, .JR. (S'55-M'56), Instr. & Tech. Writer, Hawk Missile System, RCA Service Co., Redstone Arsenal, Ala.
- Arsenal, Ala.

 MURRAY, M. WAYNE (S'51-A'53-M'57), Project Engr.,

 Computer Dept., GE Co., Van Ness at Orange, Tempe, Ariz.

 MURRAY, MALCOLM P. (S'55-M'56), Instr., Elec. Engrg.,

 Mississippi State College, State College, Miss.

 MURRAY, PAUL C. (A'55), Engr., Samoff Research Center,

 RCA, Princeton, N. J.
- KUA, Princeton, N.J.

 MURRAY, PETER R. (SM'46), Tech. Dir. for Guided
 Missiles, Directorate of Weapon Systems Management,
 Hors. ARDC. Detachment 1. Wright-Patterson AFR. Ohin.

 MURRAY, PHILLIP W. (5'52-A'55-M'58), Sr. Engr.,
 Aerophysics Dept., Goodyear Aircraft Corp., Litchfield
 Park, Ariz.
- Park, Ariz.

 MURRAY, RAY P. (M'57), Assoc. Prof., Elec. Engrg.,
 U.S. Naval Postgraduate School, Monterey, Calif.

 MURRAY, ROBERT, JR. (A'55), Application Engr., Semiconductor Div., Westinghouse Elec. Corp., Youngwood,
 Pa.
- conductor Div., Westinghouse Elec. Com., Youngwood, Pa.

 MURRAY, ROBERT 8. (S'56-M'59), Electronics Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 MURRAY, ROBERT 6. (S'54-M'56), Elec. Engr., Atlantic Refining Co., 260 S. Broad St., Philadelphia, Pa.

 MURRAY, ROBERT 6. (S'57-M'57), Canadian Army, Home: 305 Goulburn Crescent, Ottawa, Ont., Canada.

 MURRAY, ROBERT V. (S'55-M'57), Engr., Radiation, Inc., B' St., Melbourne, Fla.

 MURRAY, RONALD M. (SM'57), Assoc. Project Mgr., Engrg. Services Dept. Airborne Systems Labs., Hughes Aircraft Co., Culver City, Calif.

 MURRAY, ROSS L. A. (S'57-A'5B), 116 Brandon Ave., Toronto 4, Ont., Canada.

 MURRAY, ROS L. A. (S'57-A'5B), 116 Brandon Ave., Toronto 4, Ont., Canada.

 MURRAY, ROY W., JR. (M'51), Western Regional Mgr., Tele-Dynamics, Inc., 15016 Ventura Blvd., Sherman Oaks, Calif.

 MURRAY, WARREN A. (S'56-M'5B), Engr., Boeing Airplane Co., Wichita, Kan.

 MURRAY, WILLIAM A. (A'52), Research Engr., Boeing Airplane Co., Seattle, Wash.

 MURRAY, WILLIAM H. (A'54-M'57), Engrg. Supwr., GE Co., LMED, Utica, N.Y.

 MURRAY, WILLIAM J. (A'56), Production Mgr., Solid, Richard O, Brew Co., Inc., Airport Rd., Concord, N.H.

 MURRAY, ROBERT R. (S'56-M'59), 1204 Apple St., Fairborn Ohio.

- MURREL, RDBERT R. (S'56-M'59), 1204 Apple St., Fairborn, Ohio.
- Fairborn, Ohio.

 MURRELL, THOMAS A. (A'47-M'55), Assoc. Prof., Elec. Engra. Dept., University of Illinois, Urbana, III.

 MURTA, EDWARD J., JR. (M'58), Electronics Engr., FAA, Will Rogers Field, Oklahoma City, Okla.

 MURTA, KAZUE (A'57), c/o Kawasaki, 1106 Araizyuku 4-Chome, Ota-Ku, Tokyo, Japan.

 MURTAUGH, WALTER A. (M'48), Head, Physics Dept., Providence College, Providence 8, R.I.

 MURTHA, GERARD A. (A'53), Dev. Engr., IBM, Poughkeepsie, N.Y.

- MURTHI, JOSYULA K. (SM'55), Asst. Radio Engr. (Special), State Broadcasting Dept., Govt. of Andhra, Kurnool, Andhra, India.
- India.

 MURTY, D. SATYANARAYANA (A'55-M'57), Lecturer,
 Applied Physics Dent., Andhra Univ., Visakhapatnam 3,
 Waltair, Andhra, India.
- Waltair, Andhra, India
 MURTY, EDWIN H. (A137-M151), Sales Rep., 3505 Ridgedale Ave., Normandy, Mo.
 MURTY, G. N. (M157), Head of Radio Engro. Sect., Andhra
 Polytechnic, Kakinada, Andhra Pradesh. India.
 MUSACCHIO, ALFONSO A. (3'49-A'54-M158), Engr., New
 York Telephone Co., 140 West St., New York 7, N.Y.
 MUSAL, HENRY M. (S'55-A'56-M158), Sr. Engr., Bendix
 Prods. Div., 400 Bendix Dr., South Bend, Ind.
 MUSBACH, MILTON W. (S'57-M'59), Circuit Design Engr.,
 Ordnance Dept., GE Co., 100 Plastics Ave., Pittsfield,
 Mass.
 MUSRINGER ROBERT B. (S'56-A'57), Chief Engr., KCIRP.
 MUSRINGER ROBERT B. (S'56-A'57), Chief Engr., KCIRP.
- MUSBURGER, ROBERT B. (S'56-A'57), Chief Engr., KCUR-FM, Univ. of Kansas City, 5100 Rockhill Rd., Kansas City 10, Mo.

- 10, Mo. or Karsas City, 310 Rotentin Rd., Karsas City, 910 Rotentin Rd., Radio Engr., GE Co., Syracuse, N.Y.

 MUSCALINO, JOHN V. (M'57), Mathematician, Griffiss AFB, N.Y.

 MUSCA, AUGUSTUS W. (S'47-A'51-M'57), Systems Rep., 18M, 1027 N. Memorial Phwy., Huntsville, Ala.

 MUSHAKE, YASUTO (A'55), ASSt. Prof., Faculty of Engrg., Tohoku Univ., 5 Sakurakoji, Sendai, Japan.

 MUSHRUSH, ROY S., JR. (A'43-M'55-SM'58), Mgr., Equipment Engrg., Special Radar Project Sect., GE Co., Syracuse, N.Y.

 MUSICK, A. L., JR. (S'51-A'53-M'58), Electronics Engr., Sun Oil Co., Box 2831, Beaumont, Tex.

 MUSICK, JOSEPH P. (S'57-A'58), Electronics Technician,

- Sun Oil Co., Box 2831, Beaumont, Tex.

 MUSICK, JOSEPH P. (S'57-A'58), Electronics Technician, RCA, Patrick AFB, Fla.

 MUSILL, VICTOR P. (S'56-M'58), Design Engr., Convair, Grant's Lane, Ft. Worth, Tex.

 MUSK, HENRY A. (M'47), Engrg. Supvr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.

 MUSKETOS, ARGYROS (M'56), Project Engr., FAA, Federal Bldg., Internatl. Airport, Jamaica 30, L.I., N.Y.

 MUSOLINO, JOHN M. (M'56), Prod. Engr., Sylvania Elec. Prod., Inc., 2825 Mt. Pleasant, Burlington, Iowa.

 MUSSALD, MARCEL E. (A'56), Battelle Memorial Institute, 7 Route De Drize, Geneva, Switzerland.

 MUSSELL HOWARD A. (A'50) S. Fngr. JBM. Pounbe

- 7 Route De Drize, Geneva, Switzerland.
 MUSSELL, HOWARD A. (A'50), Sr. Engr., I8M, Poughkeepsie, N. Y.
 MUSSELMAN, HARRY (A'45), TV Engr., N8C, 30 Rockefeller
 Plaza, New York 20, N. Y.
 MUSSELMAN, JAMES A. (M'56), Environmental Engrg.,
 Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton,
 Ont., Canada.
 MUSSER, GLENN L. (SM'57), V.P., Systems & Operations,
 Haller, Raymond & Brown, Inc., State College, Pa.
 MUSSER, MACLYN H. (S'57-M'58), Research Assoc.,
 Stanford Electronics Labs., Stanford, Calif.

- MUSSMANN, GEORGE F. (S'57-A'58), 230 Tree Rd., Centereach, L.I., N.Y. MUSSON-GENON, RENE P. A. (SM'58), Asst. Mgr., C.F.T.H. Electronic Group, R. Mario-Nikis, Paris, France.
- MUSTICO, JOHN (A'51), Mfrs. Rep., John Mustico Co., 312 Bewley Rd., Havertown, Pa. MUSTO, THOMAS L. (S'56-M'57), Jr. Engr., IBM, New Circle Rd., Lexington, Ky.

- Circle Rd., Lexington, Ky.
 MUSTO, WILLIAM C. (S'56-M'57), Design Engr., RCA,
 Moorestown, N. J.
 MUSTY, CLYDE V. (M'55), Project Chief, Consolidated
 Systems Corp., 1500 S. Shannock, Monrovia, Calif.
 MUT, STUART C. (S'47-A'49-M'55), Dir., Exploration
 Sect., Research & Dev., Atlantic Refining Co., Box 2819,
 Dallas 1, Tex.

- Sect., Research & Dev., Artalitic Reining Co., Box 2019, Dallas 1, Tex.

 MUTCH, JOHN J. (A'44-M'55), Quality Control Mgr., Automotive, Bendix Radio Div., Baltimore 4, Md.

 MUTCHEK, JOHN H. (A'55), Assembly Supt., Emerson Electric Mg. Co., 59 St. & Industrial, East St. Louis. III.

 MUTH, JOHN (S'41-A'45-M'55), Elec. Engr., New York Telephone Co., 158 State St., Albany, N.Y.

 MUTH, ROBERT N. (S'54-M'56), Design Engr., Hazeltine Electronics Div., 31 Stewart St., Floral Park, L.I., N.Y.

 MUTSCHLER, EDWARD C. (M'59), Research Engr., Hanovia Lamp Div., Engelhard Industries, Inc., 100 Chestnut St., Newark, S, N.J.

 MUTTER, WALTER E. (M'49-SM'53), Advisory Engr., IBM, Prod. Dev. Lab., Poughkeensie, N.Y.

 MUTZ, HENRY R. (M'57-SM'58), Asst. Chief Engr., Astron Corp., 225 Grant Ave., East Newark, N.J.

 MUZQUIZ, GILBERTO C. (SM'55), Pres. & Mgr., Dir., Raytel S. A., Marroqui #7, Mexico, D. F., Mexico, MUZZIO, JOSE LUIZ R. (A'57), Prof., Jawiliar de Ensino,

- MUZZIO, JOSE LUIZ R. (A'57), Prof., Auxiliar de Ensino, Instituto Tecnologico de Aeronautica, Sao Jose Dos Campos, Sao Paulo, Brasil.
- MYDANSKY, DAN (A'59), Research & Dev. Engr., Atomic Energy Commission of Israel, Israel, POB 7056, Tel-Aviv, Israel.
- | Srael | MYER, DWIGHT A. (A'35-SM'44), Dir., Buildings & Structures, Westinghouse Broadcasting Co., Inc., 122 E. 42 St., New York 17, N. Y. MYER, JON H. (M'54-SM'57), Head, Tech. Services Dept., Hughes Semiconductor Labs., Newport Beach, Calif. MYERS, ALBERT S., JR. (A'45-SM'51), Electronics Engr., Louis A. Garten & Associates, 730 Washington Lane, Jenkintown, Pa.

- Louis A. Garten & Associates, 730 Washington Lane, Jenkintown, Pa.

 WYERS, ALOUS C., JR. (S'58-M'59), Assoc. Engr.,
 Martin Co., Orlando, Fla.

 WYERS, AURIE S., JR. (S'48-A'51-M'55), Staff Engr.,
 IBM, Prod. Dev. Lab., Pouphkeepsie. N. V.

 MYERS, BASIL R. (S'51-A'52-M'56-SM'58), Asst. Prof.,
 Dept. of Elec. Engr., Univ. of Illinois, Urbana, III.

 MYERS, BENJAMIN D., JR. (S'49-A'50), Mgr., Contract
 Services, Defense Electronic Prods. 'SO), Mgr., Contract
 Services, Defense Electronic Prods. 'RCA, Camden. N. J.

 MYERS, CHARLES B. (A'55), Research Asst., Ordnance
 Research Lab., University Park, Pa.

 MYERS, CLAIBORNE E. (S'56-M'57), Sr. Engr., Radiation,
 Inc., Box 37, Melboume, Fla.

 MYERS, EDWARD F. (S'51-A'53-M'58), Assoc. Dev. Engr.,
 Burroughs Co., Paoli, Pa.

 MYERS, EDWIN N. (S'45-A'48-M'55), Maj., USAF, Asst.
 Chief System Engr. (ARDC), Sage Project Office, 220
 Church St., New York 13, N.Y.

 MYERS, ERNEST G. (M'58), Natl. Electronics Coordi-

- Church St., New York 13, N.Y.

 MYERS, ERNEST G. (M'58), Natl. Electronics Coordinator, Signal Corps, 225 S. 18 St., Philadelphia, Pa.

 MYERS, F. STEWART, JR. (S'56-M'58), Assoc. Engr.,

 Westinghouse Elec. Corp., Baltimore, Md.

 MYERS, FRANKLIN G. (SM'55), Mgr., Reactor Systems,

 Martin Co., Baltimore 3, Md.

 MYERS, GEORGE H. (S'50-A'52), Mem. Tech. Staff, Bell

 Tel. Labs., Whippany, N.J.

 MYERS, GRANT G. (S'56-M'59), Elec. Engr., Collins

 Radio Co., Cedar Rapids, Iowa.

 MYERS, HERRY W. (M'50), Plant Mgr., Electron Tube Div.

- Radio Co., Cedar Rapids, Iowa.

 MYERS, HENRY W. (M'50), Plant Mgr., Electron Tube Div., Sonotone Corp., Box 200, Elmsford, N.Y.

 MYERS, HERMAN L. (M'46), Chief Metallurgist, Raytheon Mfg. Co., Waltham 54, Mass.

 MYERS, JACKSON S. (A'57), Airline Pilot & Coordinator, Instruments & Electronics, Pan American World Airways, Internatt. Airport, San Francisco, Calif.

 MYERS, JACOB C. (S'41-A'43-SM'51), Capt., USN, Asst. Chief for Research Office of Naval Research, Washington, D.C.

 MYERS, JOHN E. (Aldo-Mide-SM'51), Mary, Enom. School.
- MYERS, JOHN F. (A'46-M'46-SM'51), Mgr., Engra. Services, Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.

 MYERS, JOHN F. (M'57), Broadcast & TV Equipment Sales, RCA, 1600 Keith Bilda., Cleveland 15, Ohio.

 MYERS, JOHN J. (S'43-A'45-M'47-SM'50), Research Assoc., Control System Lab., Univ. of Illinois, Urbana, Ill.

- III.

 MYERS, JOHN L. (S'48-A'50-M'55), Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif. MYERS, JOSEPH R. (M'57), Specialist, Advance Mfg. Methods, GE Co., 401 Carroll, Wabash, Ind. MYERS, KENNETH E. (S'48-A'51-M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif. MYERS, LYNN B. (S'56-M'59), Jr. Engr., WestInghouse Elec. Corp., Bettis Field, Pittsburgh, Pa. MYERS, MELVIN C., JR. (M'48), Mgr., Prod. Design, New York Systems Lab., RCA, 75 Varick St., New York 13, N.Y.

- MYERS, OMER D. (A'57), Instrumentation Engr., Missile & Space Systems, Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

 MYERS, ORVAL C. (S'44-A'44-M'55), 2659 Woodland Ave., Columbus 11, Ohlo.

 MYERS, ORVEL J. (S'56-A'57), 7048 Brint Rd., Sylvania, Ohlo.

 MYERS, ORVILLE M. (A'57), Taab. Market S. (Brint Rd., Sylvania, Ohlo.

- vania, Ohlo.

 MYERS, ORVILLE H. (A'57), Tech. Writer & Editor, Guvt. Service Div., RCA Service Co., Inc., Alexandria, Va. MYERS, OTIS C., JR. (S'57-M'59), Staff Mem., MIT, Lincoln Labs., Lexington 73, Mass.

 MYERS, PETER 8. (A'51-M'56), Communications Techniques Research Engr., Bell Tel. Labs., Murray Hill, N.J. MYERS, REX D. (S'55-A'57), Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N.M.

 MYERS, RICHARD H. (S'39-A'40), Exec, Engr., ITT Labs., Nutley 10, N.J.

- MYERS, RICHARD T. (M'56), Elec. Engr., GE Co., Mountain View Rd., Lynchburg, Va.

 MYERS, ROBERT F. (M'56), Capt., U.S. Army, U.S. Army Signal Engr., Agency, Arlington Hall Sta., Va.

 MYERS, ROBERT L. (M'57), Chief Engr., Midwest Television, Inc., WCIA-TV, 509 S. Neil St., Champaign, III.

 MYERS, ROBERT P. (M'52-M'57), Sect. Head, Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio.

 MYERS, ROY T. (S'49-A'51-M'56), Project Engr., Electronic Communications, Inc., 1501 72 St., N., St.

 Petersburg, Fla.

 MYERS, STUART J. (A'51), Treas., Warren Television

 Corp., Warren, Pa.

 MYERS, CHCTOR V. (A'48-M'55), Branch Sales Mgr.,

 Electronics Div., Curtiss-Wright Corp., Box 8324, Albuquerque, N. M.

 MYERS, WILLARD D. (A'28), Washington Mgr., Cook Elec-

- Electronics Div., Curriss-Wright Corp., Box 8324, Albuquerque, N.M.

 MYERS, WILLARD D. (A'2B), Washington Mgr., Cook Electric Co., 2700 N. Southport Ave., Chicago, Ill.

 MYERS, WILLIAM A. (S'45-A'48-M'55), Design Specialist, Rheem Mfg. Co., 9236 E. Hall Rd., Downey, Calif.

 MYERS, WILLIAM A. (S'56-M'58), Flight Test Engr., Convair-Astronautics, Cape Canaveral, Fla.

 MYERS, WILLIAM D. (SM'52), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 MYERS, WILLIAM D. (M'54), Project Engr., Allison Div., GMC, Indianapolis, Ind.

 MYETTE, RICHARD F. (A'52), Customer Engr., 1BM, 909 Delaware Ave., Wilmington, Del.

 MYHILL, DOUGLAS A. (M'57), Prime Radar Project Officer, Air Materiel Command Hqrs., RCAF, Rockcliffe, Ottawa, Ont., Canada.

 MYHRE, P. K. (M'46-SM'52), Research Engr., Cherry
- Ont., Canada.
 MYHRE, P. K. (M'46-SM'52), Research Engr., Cherry
 Burrell Corp., 2400 6 St., S.W., Cedar Rapids, lowa.
 MYHRE, ROBERT (A'52), 316 Rte. 37, Pelican Island,
 Seaside Heights, N.J.
 MYINT, AUNG (M'57), Fit. Lt., Staff Communications Officer,
 Bermese Air Force, Dept. of C.S.C.D. (Air), Ministry of Defence, Rangoon, Union of Burma.

- Bermese Air Force, Dept. of C.S. U. Kirl, Ministy of Defence, Rangoon, Union of Burna.

 MYLES, HARRY E. (S'56-M'58), Asst. Engr., Sperry Cyroccope Co., Great Neck. L. I., N.Y.

 MYLES, MICHAEL D. (S'58-M'59), Equipment Engr., Western Electric Co., 225 Church St., New York, N.Y.

 MYLREA, KENNETH C. (S'57-A'57), Mgr., Eclipse Radio & TV., 2517 Danforth, Toronto, Ont., Canada.

 MYRBECK, EDWARD R. (M'48-SM'57), Special Research Assoc., Cruft Lab., Harvard Univ., Cambridge, Mass.

 MYRE, WILLIAM C. (M'54), Div., Supvr., Sandia Coro., Sandia Base, Albuquerque, N.M.

 MYRICK, JOSEPH C. (M'52), Chief Engr., Rixon Electronics, Inc., 2414 Reedie Dr., Silver Spring, Md.

 MYROYANNIS, ALEXANDER J. (M'55), Lecturer, School for Telecommunications of the Greek Army, K. E. Te. S-BST 902, Greece.

 MYSE, ANTON G., JR. (A'49), Owner, Myse Radio Service, 1338 W. Cullerton St., Chicago B, III.

 MYSING, JOHN O. (S'52-M'56), Electronic Engr., Vitro

- 1338 W. Cullerton St., Chicago 8, III.

 MYSING, JOHN O. (S'52-M'56), Electronics Engr., Vitro
 Labs., 14000 Georgia Ave., Silver Spring, Md.

 MYSLINSKI, STEPHEN A. (M'58), Engr., Western Electric Co., 555 Union Blvd., Allentown, Pa.

 MYSZEWSKI, GERALD L. (S'55-M'58), Engr., AC Spark
 Plun Div., Milwaukee, Wis.

 MYSZKO, RICHARD (A'53-M'58), Sr. Electronics Engr.,
 Systems Development Corp., 7500 Linden Ave., Dayton 32,
 Ohio.

- NAAB, PHILIP J. (S'49-A'51-M'58), Sr. Engr., Equipment, Southwestern Bell Tel. Co., 308 S. Akard St., Dallas 1, Tex.
 NAAS, HARTLEY M. (S'53-M'56), Missile Guidance System Technican, USAF, Home: 4830 Walnut St., Oakland 19, Calif.
- NAATZ, RAYMOND C. (S'57-M'59), Assoc. Engr., In-strumentation, Lockheed Aircraft Corp., Box 351, Burbank, Calif.
- Calif.

 NABELL, EDWARD G. (A'56), V.P. & Secy. Servonics, inc., 822 N. Henry St., Alexandria, Va.

 NABER, JOSEPH S. (A'43-M'45), Project Engr., A.R.F. Prods., Inc., River Forest, Ill. & Owner, Aviation Electronic Service, Wheeling, Ill.
- NABOROWSKI, JOHN G. (A'53-M'58), Electronics Engr., Electric Auto Lite Co., 511 Hamilton St., Toledo 1, Ohio.

- Ohio.

 NABOURS, ROBERT E. (S'57-M'57), Instr., Elec. Engrg.,
 Univ. of Árizona, Tucson, Ariz.

 NACE, ALLEN S. (A'39-SM'46), Sales Engr., Allen Nace
 Co., Brecksville, Ohio.

 NACE, CLEMENT E. (A'56-M'57), Field Engr., Naval
 Aviation Electronics Service Unit, RCA Govt. Service,
 Camden 8, N.J.

 NACE, Palil F. (S'51-A'54-M'50), E. F.-.

- NACE, PAUL E. (S'51-A'54-M'59), Sr. Engr., Westinghouse Elec, Corp., Box 746, Baltimore 3, Md.
 NACHBAR, MILTON S. (M'58), Mfg. Engr., RCA, 1550 St., George Ave., Avenel, N.J.
 NACHFOLGER, NATHAN (S'43-A'46-M'55), Supvg. Engr., Bell Tel. Co. of Canada, 1050 Beaver Hall Hill, Montreal, P.Q., Canada.
- P.Q., Canada.

 P.Q., Canada.

 Whitney Aircraft, Main St., East Hartford, Conn.

 NACHMAN, MILTON W. (S'50-A'51-M'56), Engrg. Project Leader, RCA, Moorestown, N.J.

 NACHTIGALL, SALO (M'48-SM'51), Pres., Fanon Electric Co., Inc., 98 Berriman St., Brooklyn B, N.Y.
- NACKE, CHARLES C., JR. (M'58), Engr., RCA, Camden 2,
- N.J., NACKLEY, JOHN F., JR. (S'54-M'57), Elec, Engr., Melpar Inc., 11 Galen St., Watertown, Mass. NADAUD, CLAUDE A. (M'55), Chlef Engr., Omnium Nord Africain, Mines de Bou-Azzer, Morocco.
- Arricain, Mines de Bou-Azzer, Morocco.
 NADEAU, ARSENF G. (A'42-M'48), Chief Engr., Radio
 Sta. CHRC, Ltd., 39 St. John St. Juebec. P.O. Canada
 NADEAU RALPH U. (A'57-M'58), Chief Engr., United Television Co. of New Hampshire, WMUR-TV, 1819 Elm St.,
 Manchester, N.H.
- NADEL LAWRENCE (M'58), Dept, Head, Instrument & Controls, Aeroiet-Genl, Corp., 410 Citrus, Covina, Calif. NADLER, BERNARD D. (M'46-SM'58), Sr. Project Engr., Loral Electronics, 825 Bronx River Ave., Bronx 75, N.Y.

- NADLER, MORTON (A'45-M'55), Visiting Scientist, Indian Statistical Institute, 203 Barrackpore Trunk Rd., Calcutta 35, India.
- NADON, LEO (A'56), Field Supvr., Canadian Marconi Co., 6035 Cote de Liesse Rd., Montreal, P.Q., Canada. NAEF, CHARLES A. (S'51-A'52-M'57), Designer, Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.
- Calif.

 NAESETH, MANLEY H. (A'54), Head, Engrg. Evalutation Branch, USN Mine Defense Lab., Panama City, Fla.

 NAFTULIN, ALBERT D. (M'58), Project Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 NAFZGER, LESTER H. (J'30-A'32-VA'39-M'55), Chief Engr., WBNS-AM-FM-TV, 33 N, High St., Columbus 15, Ohio.
- NAG, BISWARANJAN (A'58), Lecturer, Institute of Radio-physics & Electronics, Calcutta Univ., 92 Upper Circular Rd., Calcutta 9, India.
- Rd., Calcutta 9, India.
 NAG, DURGA S. (A'52-M'58), Dev. Engr., STORNO Ved
 Amagerbanen 21, Copenhagen S., Denmark.
 NAGAI, KIYOSHI (M'57), Asst. of Research, Institute of
 Elec. Communication, Tohoku Univ., Sakurakoji, Sendai,
- NAGAMI, KOHICHI (SM¹57), Asst. Prof., Electronics, College of Engrg., Univ. of Osaka, Prefecture, Sakai City, Osaka, Japan.
- NAGAMI, TOKIO T. (A'57), Tech. Asst., Northern Electric Co., Ltd., 1261 Shearer St., Montreal, P.Q., Canada. NAGARAJA, NAGALAPUR S. (M'55), Lecturer, Elec. Com-nucication Engrg., Indian Institute of Science, Bangalore 3,
- NAGEL, GEORGE W. (A'47-SM'53), Advisory Engr., West-inghouse Elec. Corp., Box 10596, Pittsburgh 35, Pa. NAGEL, KARL H. (A'54), Head, Electronics Div., Con-sumers Union of U. S., Inc., 256 Washington St., Mt. Vermon, N.Y.
- Vermon, N.Y.

 NAGEL, ROBERT (M'56), 6300 S. Fairfax St., Los Angeles 56, Callf.

 NAGI, JOHN L. (M'59), Jr., Project Engr., Bendix Aviation Corp., Eclipse-Ploneer Div., Teterboro, N.J.

 NAGI, KCNZO (SM'57), Prof., Eloc. Communication Engrg. Dept., Dir., Research Institute of Elec. Communication Tohoku Univ., 5, Sakurakoji, Sendai, Japan.

 NAGLAK, LOUIS A. (M'59), Electronics Scientist GS-11, U.S. Army Signal Depot, Engrg. Branch, Tobyhanna, Pa.

 NAGLE, JAY I. (S'57-M'58), Field Rep., Engr. B, Boelng Airplane Co., Box 3707, Seattle 24, Wash.

 NAGLE, JOHN J. (S'46-A'52-M'57'-SM'59), Design & Dev. Engr., RCA, Moorestown, N.J.

 NAGRANT, JOSEPH, JR. (A'53-M'59), Assoc. Engr., Applied Physics Lab., Johns Hopkins Univ., Silver Spring, Md.

 NAGY, A. W. (J'36-A'27-SM'47), Sr. Staff Mem., Applied

- Md.

 NAGY, A. W. (J'36-A'27-SM'47), Sr. Staff Mem., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

 NAGY, FERENC, JR. (S'55-M'57), Staff Mem., Lincoln Lab., M1T, Lexington 73, Mass.

 NAGY, GEORGE (SM'57), Sr. Design Engr., Ampex Corp., 2655 Bay Rd., Redwood City, Calif.

 NAGY, JOHN, JR. (S'48-A'49-M'55), Engr., Weston Instruments Div., Daystrom, Inc., 614 Frelingshuysen Ave., Newark 12, N.J.

- Ave., Newark 12, N.J.

 NAGY, JOHN R. (S'55-M'57), Engr., Bendix Aviation Corp.,
 Box 5115, Detroit 35, Mich.

 NAGY, LOUIS, JR. (S'48-A'50-M'55), Account Exec.,
 Motorola Communications & Electronics, Inc., 540 Bergen
 Blvd., Ridgefield, N.J.

 NAGY, THEODORE (M'57), Engrg., Design & Research,
 RCA, Moorestown, N.J.

 NAGY, ZOLTAN S. (S'58-M'59), Electronic Engr., U.S.
 Army Signal Corps Research & Development Lab., Fl.
 Monmouth, N.J.

 NAHAY, LAWRENCF P. (S'48-A'51-M'54)

- Monmouth, N.J.

 NAHAY, LAWRENCE P. (S'48-A'51-M'56), Project Engr.,

 RCA, Camden, N.J.

 NAHMAN, NORRIS S. (S'50-A'52-SM'57), Research Dir.,

 Elec. Engro. Detr., Univ. of Kansas, Lawrence, Kan.

 NAIDAMAST, DANIEL (S'43-A'45-SM'54), Sr. Engr.,

 Avien, Inc., 58-15 Northern Blvd., Woodside 77,

 L.I., N.Y.
- NAIDI, MYSORE K. R. (A'58-M'58), Radio Technician (Selection Grade), Civil Aviation Dept., Govt. of India, New Delhi, India.
- New Delhi, India.
 NAIL, JAMES J. (SM'55), Chief Engr., NRK Mfg. &
 Engrg. Co., 4601 W., Addison, Chicago 41, III.
 NAIL, PAUL L. (A'48-M'54), Radio Receiver Theory &
 Math. Instr., Central Technical Institute, 1644 Wyandotte,
 Kansas City B, Mo.
- NAIL, WILLIAM L., JR. (S'56-M'58), Engr., Mississippi Power & Light Co., Cleveland, Miss. NAILOR, DONALD J. (A'59), Engro. Technician, U.S. Army Signal Engrg., Agency, Arlington Hall Sta., Arlington 12,
- va.

 NAIMAN, MARK L. (SM'57), Project Engr., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia, Pa.

 NAIR, B. K. S. (A'5A-M'58), Indian Navy, Electrical Officer. I.N. S. Delhi. Fleet Mail Office. Bombav. India.

 NAIR, P. RAMANKUTTY (A'47), Sub-Div. Officer, Ali India Radio (Govt. of India), Trivandrum, Travancore State, India.
- State, India.

 NAIRN, JOHN B. (A'52-M'57), Systems Project Engr.,
 Pan American World Airways, Inc., Milami, Fla.

 NAIVE, JOEL A. (S'50-A'52-M'57), Design Engr., NonLinear Systems, Del Mar Airport, Del Mar, Calif.

 NAJEMNIK, GEORGE F. (S'51-A'52), Mem. Tech. Staff,
 The Ramo-Wooldridge Corp., Box 45534, Los Angeles, 45,
 Calif.
- NAKA, F. ROBERT (S'48-A'52-SM'56), Group Leader, Lincoln Lab., MIT, Lexington 73, Mass. NAKABE, JOHN Y. (S'57-M'59), Electronics Engr., Collins Radio Co., 2700-Olive Ave., Burbank, Calif.
- NAKAGAMI, MINORU (A'30-SM'57), Prof., Elec. Engrg. Faculty of Engrg., Kobe Univ., Mizukasa, Nagata, Kobe, Japan.
- NAKAGAWA, NORIYUKI (S'54-A'55), Research Asst., Dept. of Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.
- MICH.

 MAK AHARA, FUJIO (A'55), Mem. Design Sect., Mobara
 Plant, Hitachi, Ltd., Marunouchi, Tokyo, Japan.

 NAK AMACHI, PAUL Y. E. (S'53-M'56), Electronics Engr.,
 Boeing Aircraft Co., Box 3707, Seattle 24, Wash.

- NAKAMOTO, MINORU (A'55), Transmitter Operator, Hawaiian Broadcasting System, Honolulu 9, Hawaii. NAKAMURA, CHARLES M. (M'55), Electronics Engr., Convair-Astronautics, San Diego, Calif. NAKAMURA, DOUGLAS S. (S'55-A'56), Operator & Maint., U.S. Army Signal Corps., Site 8. RFD 1, Keedysville, Md.
- MO. NAKAMURA, MICHIYUKI (M'57), Electronics Engr., Unly. of Califronia Lawrence Radiation Lab., 8erkeley 4, Calif. NAKAMURA, NANABU (S'56-M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. NAKAMURA, OTIS S. (S'52-A'54-M'59), Electronics Engr., Pearl Harbor Naval Shipyard, FPO 128, San Francisco, Calif.
- NAKANO, HIROSHI (M'58), Engr., Douglas Aircraft Co., El Segundo Div., 827 Lapham, El Segundo, Calif. NAKANO, OTTO (A'56), Components Test Engr., Rocketd Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga I

- NAKASATO, JIRO (S'49-A'51-M'58), Engr., Avco Mfg., Co.. 201 Lowell St., Wilmington, Mass. NAKATA, COLBERT K. (A'50-SM'56), Sr. Engr., Smith-Corona, Inc., 472 Park Ave., Highland Park, Ill. NAKATSU, GEORGE Y. (S'55-M'58), Engr., RCA, Los Angeles, Calif.
- NAKATSUKASA, FRANK Y. (S'54-M'56), Engr., Nortronics Div., Northem Aircraft Co., 222 N. Prairle Ave., Haw-thome, Calif.
- NAKAYAMA, HIDEO (M'59), Mem. Tech. Staff, Space Technology Labs., Inc., 5730 Arbor Vitae St., Los Angeles 45, Calif. NALBANTIAN, JACQUES H. (SM'54), Project Engr., Allen 8. DuMont Labs., 35 Market St., East Paterson, N.J.
- NALEY, NORMAN C. (M'56), 2000 San Pedro Dr., N.E., Albuquerque, N.M.
- Albuquerque, N. M.

 NALL, ARTHUR E. (S'54-M'56), Research Engr., The
 Western Co., 922 Dragon St., Dallas 7, Tex.

 NALLEY, WILLIAM M. (M'58), Electronics Technician,
 Operations Research Office, 6935 Arlington Rd., 8ethesda,
 Md.
- NALLIN, EUGENE J. (M157), Assoc. Engr., I8M, Kingston.

- NAMEY, ALBERT E. (SM'57), Project Engr., Martin Co.,
- NAMIAN, PAUL (A'57), S.E.A. 138 8lvd. de Verdun,
- Courbevole, Seine, France.

 NAMOR DI, MOOSHI (5'56-M'58), Research Assoc. Syracuse Univ. Research Institute, Syracuse, N.Y.

 NANCE, 81LLY J. (M'57), Communications Engr., Shell Oil Co., 80x 1509, Midland, Tex.

 NANCE, DANA K. (A'58), Elec. Engr., AC Spark Plug Div., 1925 E. Kenilworth Pl., Milwaukee 2, Wis.
- NANCE, MELVIN E. (A'57), Quality Control Engr., Emerson Electric & Mfg. Co., 8100 W. Florissant Ave., St. Louis 21, Mo.
- NANCE, ROBERT L. (A'56), Elec. Design Engr., 8ell Tel. Labs., 204 Graham-Hopedale Rd., Burlington, N.C. NANCE, WILLIAM F. (M'57), Quality Control Project Engr., Emerson Electric Mfg. Co., 8100 W. Florissant, St. Louis,
- NANCOZ, ALLAN P. (S'58-A'58), Electronics Technician, Tech. Materials Corp., Mamaroneck, N.Y. Tech . Materials Corp. , Mamaroneck , N.Y.

 NANES , MURRAY (A'52-M'57) , Patent Atty. , I8M ,
 Poughkeepsie , N.Y.

 NANEY , RICHARD P . (M'59) , 1150 Garden Ave. , Des
 Moines 13 , Iowa .

- Moines 13, Iowa.

 NANGLE, WILFRID O. (A'25), Deputy 847, Procurement
 Div., USAF, Tinker AFB, Oklahoma City, Okla.

 NANK, WILLIAM A. (S'51-A'53-M'58-SM'58), Group
 Leader, Coodyear Aircraft Corp., 1210 Massillon Rd.,
 Akron 15, Ohio.
- NANS, EDWARD A., JR. (S'49-A'51-M'56), Liaison Engr., GE Co., Syracuse, N.Y.
- Eng., GE Co., Syracuse, N.Y.
 NAPIER, CHARLES J. (SM'55), Advanced Dev. Engr., Electronics Defense Lab., Sylvania Elec. Prods., Inc., 8ox 205, Mountain View, Calif.
 NAPIERALA, ROBERT J. (S'58-A'59), 19 Serlin St., Binghamton, N.Y.
- NAPOLI, ANTHONY E. (A'54-M'59), Project Engr., United Aircraft Co., Norden Div., 58 Commerce Rd., Stamford,
- NAPOLIN, SEYMOUR (A'46), V.P.-in-chge., Engrg., & Production, Granco Prods., Inc., 36-17 20 Ave., Long Island City, N.Y.
- NAPOLITANO, PASQUALE (S'58-M'59), Integration Engr.,

- NAPOLITAMO, PASQUALE (5'58-M'59), Integration Engr., RCA. Monrestown. N. J.

 NAPPER, HAROLD 8. (M'59), Electronics Specialist, ClvII Service, White Sands Missile Range, N. M.

 NAOVI, S. ISHRAT H. (A'55), Univ. of Manitoba, Dept. of Physics, Winnipeg, Man., Canada.

 NARDONE, LOUIS J. (M'55), Assoc. Prof., Research in' Communications, Northeastern Univ., 8oston, Mass.

 NARDONE, ROBERT L. (S'57-A'57), Lab. Technician, Diehl Mfa. Co., Finderne, N.J.
- Diehl Mfg. Co., Finderne, N.J., NARDONI, EUGENE N. (S'57-M'58), 3516 Markridge Rd., La Crescenta, Calif.
- NARESKY, JOSEPH J. (M¹52), Electronics Scientist, Rome Air Development Center, Griffiss AF8, N.Y.
- Rome Air Development Center, Griffiss AFB, N.Y.

 NARITA, YOSHIO (S'57-M'58), Electronics Engr., Civil
 Service (Federal), Ft. Monmouth, N.J.

 NARODNY, LEO H. (M'58), Physicist, J. A. Maurer, 3701
 31 St., Long Island City, N.Y.

 NARTONIS, WILLIAM C. (A'51), Owner, 8ill's Radio &
 Television Service, 12254 Gallagher, Detroil 12, Mich.

 NARUD, JAN A. (S'51-A'52-M'57), Asst. Prof., Harvard

 Univ., Cambridge 38. Mass.

- NASCHKE, E. STEWART (A'37-M'46), Assoc. Communications Engr., State of California, 631 J. St., Sacramento 14 Calif.

- Call .

 NASH , ANTHONY A. (S'56-M'58), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 NASH , ARNO (S'49-A'49-M'55), V.P., Radio Receptor Co., 240 Wythe St., Brooklyn, N.Y.

 NASH, CLEVE C., J.R. (A'44-M'55), Engr., Hoffman Electronics Co., Box 4067, Santa Barbara, Call .
- WOHIGS CO., BOX 4067, Samta Barbara, Calif.
 NASH, HAROLD E. (44-S-M'S4), Div. Head, USN, Underwater Sound Lab., New London, Conn.
 NASH, HAROLD F., JR. (S'55-M'57), Electronics Engr., U.S. Amy Air Defense Command, Hqrs., USARADCOM, Ent AF8, Colorado Springs, Coto.

- Ent. Ar G., Colorado Springs, Colo.
 NASH, HARRY (A'53-M'58), Sales & Applications Engr.,
 Internatl. Rectifier Corp., El Segundo, Calif.
 NASH, HARRY C. (S'58-A'50-M'55), Asst. Prof., Physics,
 John Carroll Univ., Cleveland 18, Ohio.
 NASH, JOHN P. (M'53-SM'54), Mgr., Information Processing Div., Research Lab., Missile Systems Div., Lockheed
 Aircraft Corp., Pato Alto, Calif.

- Aircraft Corp., Palo Alto, Calif.
 NASH, ROBERT T. (S:155-A'56), Research Assoc., Ohio
 State Univ., Columbus, Ohio.
 NASH, ROBERT W. (A'50-M'55), Genl. Engr., Link Aviation Corp., Hillcrest, Singhamton, N.V.
 NASHMAN, ALVIN E. (A'52-SM'57), Exec. Engr., ITT
 Labs., Nutley 10, N.J.
 NASLUND, RUBERT S. (J'34-A'46-VA'39), Maint. Technician, W88M-TV, C8S-TV, 630 N. McClurg Ct., Chicago, III.

- NASMYTH, PATRICK W. (A'48-M'48), Dir., Scientific Services, Royal Canadian Navy, Ottawa, Ont., Canada. NASON, DONALD 8. (A'41-M'44-SM'54), V.P., Custome Relations & Sales, Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- NASONI, DONALD E. (A'54), Assoc. Engr., I8M, Owego,
- NASS, EVERETT H. (S'57-A'58), 2222 S. 106 St., West
- Allis 19, Wis.
 NASSAR, JORGE E. (M'56), Communications Supt., Sociedad Aeronautica Medellin S. A., Calle 51 #53-34, Medellin,
- Cotomola.

 NASSIE, THEODORE A. (S'57-A'58), Design Engr., Lock heed Missile & Space Div., Sunnyvale, Calif.

 NAST, DAVID W. (S'52-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York, N.Y.

 NASTASIAK, JOSEPH J. (M'55), Dir., Customer Relations Dresser Dynamics Div., 18157 Napa St., Northridge, Calif.
- NASTO, SALVATORE N. J. (A'51), Design Engr., RCA,
- NASTO, SALVALORE N. J. (A:51), Design Engr., KCA, Harrison, N. J.
 NATCHIPOLSKY, MARTIN (S'53-A'54), Engr., Airborne instruments Lab., 160 Old Country Rd., Mineola, L.I., M.Y.
 NATENSTEDT, HAROLD (S'58-M'58), Elec. Engr., Hughes Aircraft Co., Culver City, Calif.
 NATHAN, ALAN M. (S'47-A'50-M'55), Tech. Coordinator, Research Div., New York Univ., New York 53, N.Y.
 NATHAN, AMOS (S'50-A'51-M'55-SM'59), Sr. Lecturer, Technion, Israel Institute of Technology, Box 4910, Haifa, Israel.

- NATHAN, PAUL M. (S'56-M'58), Electronics Design Engr., Melpar, Inc., 43 Leon St., Boston, Mass. NATHANSON, FRED E. (S'53-M'57), Sr. Staff Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- NATION, ARTHUR W. C. (S'49-A'54-M'59), Assoc. Engr., Applied Physics Lab., Univ of Washington, 1-13 E. 40, Seattle 5, Wash.

- Seatite 5, Wash.

 NATION, JAMES E. (A:57), Jr. Engr., Cook Research
 Labs., 6401 Oakton, Morton Grove, III.

 NATIONS, CARL T. (M'58), Sr. Dev. Engr., Sperry
 Microwave Electronics Co., Clearwater, Fla.

 NATKIN, HYMAN 8. (S'49-A'50-M'56), Elec. Engr.,
 RCA, Camden 2, N.J.

 NATTRESS, I. ALLAN (S'55-M'56), Signal Maintainer,
 Canadian Natl. Railways, Winnipeg 1, Man., Canada.
 NAU, ROBERT H. (SM'52), Prof., Elec. Engr., School
 of Mines & Metallurgy, The Univ. of Missouri, Rolla, Mo.
 NAUBEREIT, HENRY (M'57), Staff Engr., Aeronautical
 Electronic & Elec. Lab., Johnsville, Pa.
 NAUER, MARTIN J. (M'58), Lab. Engr., Dymec, Inc.,
 395 Page Mill Rd., Palo Alto, Calif.

 NAUGHTON, DONALD J. (M'58), Engr., The Martin Co.,
 Baltimore, Md.

- NAUGLE JOHN B. JR. (M'58), Engr., The Martin Co., Baltimore, Md.

 NAUGHTON, GERALD J. (A'35-VA'39), Catering Mgr., Hotel Medford Co., 607 N. 3rd St., Milwaukee 1, Wis.

 NAUGLE JOHN B., JR. (M'54), Project Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.

 NAUGLE, RICHARD B. (S'51-A'53), Engr., Vitro Labs., West Orange, N.J.
- NAUGLER, ALBERT W. (M'56), Staff Engr., Raytheon
- NAUGLER, ALBERT W. (M'56), Staff Engr., Raytheon Mfg. Co., Bedford, Mass.

 NAUMAN, JOHN G. (S'50-A'51-M'56), Regional Sales Mgr., Motorola Communications & Electronics, Inc., 8005 Plainfield Rd., Cincinnati 36, Ohio.

 NAUSS, BENJAMIN M. (S'49-A'50-M'55), Field Engr., Electro-Mech, Research, Inc., 8647 Sepulveda 8Ivd., Sepulveda, Calif.
- NAVARRO, ROBERT C. (M'56), Sr. Electronics Engr., Emerson Research Labs., 1140 East-West Hwy., Silver Spring, Md.

- Spring, Md.

 MAVARRO, SILVIO O. (S'54-M'55), Elec. Engr. Dept.,
 Texas A & M College, College Station, Tex.

 NAVOICHICK, CHARLES (S'53-M'55), Engrg. Supvr., Remington-Rand Univac, St. Paul 16, Minn.

 NAVON, DAVID H. (M'57), Asst. Dir., Research, Transitron
 Electronic Corp., Wakefield, Mass.

 NAVON, VICTOR (M'59), 570 Westminster Rd., Brooklyn
 30, N.Y.

 NAWATA, TOMMY T. (A'56), Radio Technician, Canadian
 Pacific Airlines (R), Ltd., Calgary, Alta., Canada.

 NAWROCKI, JAMES T. (S'48-A'50-M'57-SM'58), Project
 Engr., Philico Corp., Western Development Labs., 3875
 Fabian Way, Palo Alto, Calif.

 NAWROCKY, RONALD J. (S'55-M'56), Design Fngr., Elec-
- NAWROCKY, RONALD J. (S'55-M'56), Design Engr., Electronic Systems Dept., National Co., Inc., 34 Essex St., Melrose 76, Mass.
- NAY, JOE N. (S'56-M'58), 1st. Lt., USAF, Atlas Ground Gu dance Officer, Vanderberg AF8, Calif

- NAY80R, E VINCENT (A'48-M'55), Pres., E V Naybor Labs , Inc , 26 Manorhaven 8lvd., Port Washington, L.I. N.Y.
- N Y NAYLOR, ARCH W. (A'59), Research Assoc.. Univ of Michigan Ann Arbor, Mich NAYLOR, ARTHUR F. (S'48-A'49-M'55), Chief, Advanced Elec. Engrar, I Thompson-Ramo-Wooldridge, Inc., 23555 Euclid Ave., Cleveland 17. Ohio
- WAYLOR, DANIEL A. (M'57), 1505 Hannon St., Takoma Park, Washington 12, D.C.
 NAYLOR, JOHN T. (A'59), Engrg. Aide, Goodyear Aircraft Corp., 1210 Massilon Rd., Adron, Ohio.
- NAYLOR, MELVIN W. (M'56), Group Engr., Martin Co, Orlando, Fla.
- NAYLOR, ROBERT W. (A'53-SM'55), Pres., Robert Naylor, Ltd., 80x 184, Weston, Ont., Canada NAYLOR, THOMAS K. (M'55), Elec. Engr., Epsco, Inc., 588 Commonwealth Ave Boston, Mass
- NAZERIAN, HAGOP H. (S'56-A'58), 314 E. 35 St., New York 16, N Y.
- NEAL, CHARLES M. (S'57-M'59), 3117 University, Dallas,
- Lex.

 NEAL, CONRAD L. (S'53-M'56), Electronic Scientist, USN, Naval Ordnance Test Sta.. China Lake, Calif NEAL, ELMER T. (S'49-A'51), Research Engr., 80eing Airplane Co., 80x 3707, Seattle 24, Wash.

 NEAL, FLOVD R. (A'48), Electronics Technician, Hughes Aircraft Co., Box 45426, Airport Sta., Los Angeles 45, Calif.
- NEAL, FRANK A. (A'57), Electronics Technician, Federal Electric Co., Covina, Calif.

- NEAL, FRANK A. (A'57), Electronics Technician, Federal Electric Co., Covina, Calif.

 NEAL, GEORGE (M'59), A., Research Officer, Ntl. Research Council, 8ldg M50, Ottawa 2, Ont., Canada.

 NEAL, GORDON H. (A'58), Field Engr., Marcuardt Aircraft Co., 2709 N. Garey Ave. Pomona, Calif.

 NEAL, JAMES P., III (M'55), Assoc. Prof., Elec. Engrg Dept., Univ. of Illinors, Urbana, III.

 NEAL, JOHN D. (S'55-M'57), Design Engr., The Magnavox Co., 2131 Deuter Rd., Fl. Wavne. Ind.

 NEAL, JOHN T. (S'51-A'55-M'58), Electronics Engr., Alberta Govt., Telephones, 9718 107 St., Edmonton, Alta., Canada.

 NEAL, MARSHALL E. (S'57-M'59), Electronics Engr., (A.F.S.C. 8626), USAF, 67 R.T.S., 80x 86, APO 328, San Francisco, Calif.

 NEAL, NORMAN D. (S'54-M'55), Research Engr., Cincinnati Milling Machine Co., Marburg Ave., Cincinnati 26, Ohio

 NEAL, NORMAN D. (S'54-M'56), Brig., Cent. U.S. Army, Retired Communications Consultant, Western Union, 425 13 St., N.W., Washington, D. C.

 NEAL, RALPH, B. (S'51-A'55-M'58), Mai., USMC, (Elec-
- N W., Washington, D. C.
 NEAL, RALPH 8. (S'51-A'55-M'58), Maj., USMC, (Electronics Engr.), Washington 25, D. C.
 NEAL, STUART M. (S'55-M'57), Motorola, Inc., 4545
 Augusta Bivl . Chicago, III.
 NEAL, TOM (S'56-M'58), Assoc. Engr., Boeing Airplane

- NEAL, TOM (S'56-M'58), Assoc. Engr., Boeing Aimlane Co. Box 3707. Seattle 24. Wash.
 NEAL, WILLIAM S. (S'57-M'59), Asst. Project Engr., Eastern Air Devices, 385 Central Ave., Dover, N.H.
 NEALE, DORY J. (A'56-M'58), Pres., Telephone & Power Supply. Inc., 3100 Topeka Blvd., Topeka, Kan
 NEALE, MORTON J. L. (M'55), Assoc. Research Officer.
 Natl. Research Council, Ottawa, Ont., Canada.
 NEALEY, CHARLES C. (S'55-M'56), Subgroup Head, Ground Systems Div., Hughes Aircraft Co., Box 2097, Fullerton, Calif.

- Fullerton, Calif,

 NEARHOFF, HAROLD J. (SM'57), Sr. Engr., Haller, Raymond & Brown. State College. Pa.

 NEARING, FRED G. (M'54), Sales Engr., Crossley Associates, Inc. 2711 Howard St., Chicaco 45, III.

 NEARY, JOSEPH A. (M'57), Electronics Engr., Western Electric Co., 220 Church St., New York, N. Y.

 NEASE, JAMES (S'51-A'51-M'56), Parts Engr., TV Dept., GE Co., Syracuse, N. Y.

 NEASON, STEPHEN J. (A'56), Lab. Technician, IBM, Poughkeepsie, N. Y.
- Keepsie, N.Y.

 NEATHERY, JOHN L., JR. (S'58-M'59), Design Engr.,
 Convair, Ft. Worth, Tex.

 NEAU, OAKLEY T. (4'53-M'58), Sr. Service Asst., Westinghouse Elec. Corp., 8ox 746, Baltimore 3, Md.

 NEBEL, CHARLES N. (A'43-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

- Notise Elec. Corp., God. 749, Battimore 3, Mo.
 NEBEL, CHARLES N. (4/49, M/55), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N.J.
 NEBEN, HARRY M. (M/50-SM/56), Mgr., Electrical Lab.,
 Sunbeam Coro., 5600 Roosevelt Rd., Chicago 50, III.
 NECK, HANS. (4/46-M/55), Elec., Engr., A.G. Brown Boveri
 & Co., Hasel Strasse, Baden, Switzerland
 NECOL, JOSEPH C. (M/48), Pres., Maico Hearing Service,
 Inc., 35 Market St., Pownhkeepsie, N.Y.
 NEDELL, E. EDDIE (4/53-M/59), Sales & Designing, Specialty Leather Prods. Co., Newark 5, N.J.
 NEDLAND, EUGENE H. (4/57), Design Engr., Packard 8ell
 Computer Corp., 1995 Armacost St., Los Angeles 25, Calif.
 NEDRESKI, ROBERT J. (A/56), Engrg. Technician, GE Co.,
 3001 E. Lake Rd., Erie 1, Pa.
 NEEB, CHALMER H. (A/56), Asst. Marine Supvr., FCC,
 Tampa, Fla.
 NEECK, JOHN E. (A/48), Engrg. Supvr., WPIX, Inc., 220 E.
 42 St., New York 17, N.Y.
 NEEDHAM, DONALD P. (A/42-M/55), Asst. Supt., Western
 Electric Co., Winston-Salem, N.C.
 NEEDHAM, HAROLD A. (M/58), Field Supvr., Technep Div.,
 Philoo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 NEEDLE, JULES S. (S/43-A/45-M/55-SM/55), Engrg.
 Mgr., Sylvania Elec., Prods., Inc., 500 Evelyn Ave.,
 Mountain View, Calif.
 NEEDLES, WILLIAM F., JR. (A/52), Sales Engr., John O.
 Olsen Co., 4016 Diehi Ave., Cincinnati 36, Ohio.
 NEEDLS, WILLIAM F., JR. (A/52), Sales Engr., John O.
 Olsen Co., 4016 Diehi Ave., Cincinnati 36, Ohio.
 NEEDS, WILLIAM F., JR. (A/50), Chief Engr., Public Service
 Television, WPST-TV. 2075 Biscayne Blvd., Miami, Fla.
 NEELANDS, FRANCES (M/57), Analyst, Data Processing Appolications, Natl. Bureau of Standards, Washington 25, D.C.
 NEELANDS, LEWIS J. (M/49), Specialist, GE Co., Syracuse,
 N.Y.
- NEELANDS, LEWIS J. (M'49), Specialist, GE Co., Syracuse,
- NFELANDS, REGINALD (S'43-A'45-M'58), Engr., Stoddart Aircraft Radio Co., 6644 Santa Monica 8Ivd., Los Angeles, Calif.
- NEELEY, ALBERT C. (A'47), Electronics Engr., USAF, Griffiss AF8. N.Y

NEE-NEM - 311 -

- NEELEY, JOE C. (S'57-M'58), Assoc. Electronics Engr., Lock heed Aircraft Corp. Palmdale Airport. Cal.t NEELY, EDWARD H. (S'54-M'58), 306 Lewis R4., Broomall,
- ra.

 NEELY, GUY M. (A'30-M'55), Cmdr., USN, Chief Communications Advisor to Dir. Naval Communications, Washington 25, D.C.
- 25, D.C. NEELY, LISTON E. (S'57-M'58), Engr., GE Co., Syracuse, N.Y. NEELY, NORMAN B. (A'31-M'50), Pres., Neely Enterprises, 3939 Lankershim Blvd... North Hollywood, Calif. NEELY, OR VILLE P. (A'58), Field Engr., Motorola, Inc., 4545 Augusta Blvd... Chicago, III.
- NEELY, WILLIAM J. (S'51-A'51), Design Engr., RCA, Camden. N.J.

- NEELY, WILLIAM J. (5'51-A'51), Design Engr., RCA, Camden. N.J.

 NEESE, JERRY L. (S'53-M'58), Elec. Engr., Remington Rand Univac. 1902 W. Minnehaha Ave. St. Paul W4, Minn. NEFF, ALBERT K. (A'54), Sales Mgr., Electronics Div., Stackpole Carbon Co., St. Mary's, Pa

 NEFF, DONALD L. (A'57), Experimental Technician, Bendix Aviation Corp., 400 S. Beiger St., Mishawaka. Ind.

 NEFF, LEYN A. (A'52-M'57), Pres., Neff Instrument Co., 2211 E. Foothill Bivd., Pasadena, Calif.

 NEFF, HERBERT P. JR. (M'58), Asst. Prof., Elec. Engr., Univ. of Tennessee, Knoxville, Tenn.

 NEFF, JOHN W. (S'54-M'55), Engr., Technician, GE Co., 100 Plastics Ave., PittSfield, Mass.

 NEFF, RALPH W. (S'51-A'55), Engr., Technician, GE Co., 100 Plastics Ave., PittSfield, Mass.

 NEFF, WARREN H. (S'49-A'50-M'55), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 NEGRETE, MARCO R. (S'54-M'55), Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 NEGRONI, JULIO A. (M'477), Asst. Head, Power Div., Puerto Rico Water Resources Authority, San Juan, Puerto Rico.

 NEGUS, LESLIE E. (S'56-M'58), Elec. Engr., The Foxboro Co., Foxboro, Mass.

 NEHAMA, ISAAC D. (M'56), Bell Tel. Labs., Whiopanv. N.J.

 NEHER, BERNARD (A'48), Broadcast Technician, WHAS, Inc., Loulsville, Ky.

 NEHER, S. THOMAS C. (S'47-M'50-M'58), Chief Electron-Verker Schrebas, Thomas C. (S'47-M'50-M'58), Chief Electron-

- DESIGNET OF THE PROPERTY OF T
- ios Engr., Telephonics Corp., Park Ave., Huntington,
 L.I., N.Y.
 NEI, KENNETH J. (A'59), Mem. Tech. Staff, Bell Tel. Labs.,
 Murray Hill, N.J.
 NEIDEFFER, CURTISS R. (A'53), Electronics Technician,
 Lear, Inc.. 3171 S. Bundy Dr., Santa Monica, Calif.
 NEIDENBERGER, TED A. (A'54), Systems Analyst, IBM,
 1400 Baltimore. Kansas City. Mo.
 NEIDER, FERDINAND V. (S'56-M'59), 32 Cherry St., West
 Newton 65, Mass.
 NEIDERT, FERDINAND V. (S'56-M'59), 32 Cherry St., West
 Newton 65, Mass.
 NEIDER, JOHN H. (A'41-SM'55), Quality Control Supt.,
 Soerry Electronics Tube Div., Gainesville, Fla
 NEIDIG, KENNETH E. (A'52-M'52), Mfg. Engr. "A," Westindhouse Elec Corp., Metuchen, N.J.
 NEIDORF, EDWARD (S'50-A'52-M'57), Staff Mem., Mitre
 Corp.. 2244 Wood St., Lexington, Mass.
 NEIFERT, KENNETH G. (A'50), Wirechief, Hawaiian Telephone Co., Box 425, Hilb, Hawaii.
 NEIL, ARNOLD L. (S'57-M'58), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.
 NEIL, WILLIAM C., JR., (S'57-M'58), Engr., Martin Co.,
 Orlando, Fla.
 NEILAND, ANDREW C., (A'55), Engr., Loral Electronics
 Corp. 255 Branz, River Rd., Brom. 72, N.Y.

- Orlando . Fla .

 NEILAND , ANDREW C . (A'55) , Engr. , Loral Electronics Corp . 825 Bronx River Rd . , Bronx 72 , N.Y .

 NEILL , GIFFORD W . (S'48-A'50-M'55) , Electronics Engr. , Consultant , Old Town Rd . , East Hartland , Conn .

 NEILL , GILBERT M . (S'54-M'58) , Project Elec . Engr. , U.S . Dept . of Defense , USAF , 3801 Nebraska Ave. , Washington , D.C .
- ington, D.C.

 NEILL, STANLEY F. M. (SM'56), Sales Dir., Newmark,
 Ltd., 140 Great Portland St., London W1, England.

 NEILL, WILLIAM E. (M'57), Engra. Coordinator, Internat.
 Electric Corp. Rt. 17 & Garden State Pkwy, Paramus, N.J.

 NEILLY, EARL C. (A'59), Standards Engr., Lockheed Aircraft,
 Jaegels Rd., Sunnyvale, Calif.
 NEILSGN, IVAN R. (A'49-M'55), Head, Physics Dept., Pacific Union College. Box 32, Angwin, Calif.

 NEILSON, CURTIS C. (S'47-A'51-M'57), Elec. Engr.,
 Western Electric Co.. Chatham Rd., Winston-Salem, N.C.

 NEIN, HARRY R. (M'52), Mem. Toch. Staff, Bell Tel. Labs.,
 Murray Hill, N.J.

 NEIRA-M., THOMAS (A'51-M'55), Supyr.. Electronics

- MEIRA-M., THOMAS (A'51-M'55), Supvr., Electronics Sect., Internatl. GE Co., S.A., Carrera 7, #21-43, Bo-gota, Colombia.
- gota, Colombia.

 NEISTADT, RICARDO B. (S'47-A'53-M'57), Electronics Adviser Engr., Aerolineas Argentinas, Hangares Ezeiza, Prov., Buenos Aires, Argentina.

 NEITZEL, EDWIN B. (A'54-M'54), Elec. Engr. The Atlantic Refining Co., Geophysical Lab., Box 2819, Dallas 1, Tex.

 NEITZERT, CARL (A'14-M'55), Research Engr., Genl. Time Coro., 109 Lafayette, New York 13, N.Y.

 NEITZKE, GORDON G. (A'57), Engr., AC Spark Plug Div., Milwaukee, Wis.

- NEITZKE, GORDON G. (A'57), Engr., AC Spark Plug Div., Milwaukee, Wis.

 NEKUT, ANTHONY G. (J'35-S'37-A'40-M'45-SM'51), Mgr., Power Tube Equipment Dev., RCA, Lancaster, Pa. NELLANS, KENNETH L. (M'56), Elec. Project Engr., Delco Radio Div., GMC, Kokomo, Ind.

 NELLES, MAURICE (M'59), V.P. Engrg., Crane Co., 836

 So. Michigan Ave., Chicago 5, Ill.

 NELLIS, ROBERT E. (A'52-M'57), Engrg. Specialist, Goodyear Aircraft Coro., Akron 15, Ohio.

 NELLIS, STEWART (A'57), Sales Mor., Technical Wire Prods. Co., 48 Brown Ave., Springfield, N.J.

 NELLIS, WILLIAM M. (M'51), Consulting Engr., 1861 Beaumont St., St. Paul 17, Minn.

 NELMS, G. LEROY (S'53-M'56), Defense Research Scientific Officer, Defence Research Bd., Defence Research Scientific Officer, Defence Research Bd., Oherence Research Scientific Officer, Defence Research Bd., Oherence Research Scientific Officer, Defence Research Bd., Oherence Research Scientific Officer, NARLO H. (4'53-M'58), Mgr., Rosearch & Production, Well Instrument Developing Co., 1220 N. Rice Ave., Houston, Tex.

 NELSON, ALAN W. (S'56-M'57), Dynamics Engr., Convair-
- NELSON, ALANW, (S'56-M'57), Dynamics Engr., Convair-Astronautics, San Diego 17, Calif. NELSON, ALFRED B. (M'50-SM'50), Pres. The Superior Electric Co., 83 Laurel St., Bristol, Conn. NELSON, ARTHUR G. (A'58), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

- NELSON, ARTHUR J. (A'55), Owner, A. J. Nelson Co., Box 5502. Derwer 17. Colo.

 NELSON, BERNHART W. (S'58-M'59), Jr. Elec. Engr., 1TT Labs., Nutley 10, N. J.

 NELSON, BRUCE E. (S'49-A'51-M'56), Sr. Engr., Varian Associates. 611 Hansen Way. Palo Alto, Calif.

 NELSON, CARL E. (S'49-A'51-M'56), Field Engr., Hughes Aircraft Co., Culver City, Calif.

 NELSON, CARL S., JR. (S'50-A'52-M'57), Chief Engr., Filters, Rytron Co., Inc., 7303 Lankershim Blvd., North Hollywood, Calif.

 NELSON, CARL W. JR. (A'43-M'55), 2606 N. Brandy-
- Hollywood, Calif.

 NELSON, CARL W., JR. (A'43-M'55), 2606 N. Brandywine St., Arlington. Va.

 NELSON, CHARLES A. (S'57-M'59), Electronics Engr.,
 U.S. Civil Service, White Sands Missile Range, N.M.

 NELSON, CHARLES G. (S'53-M'50), Research Asst.,
 Microwave Lab., Stanford Univ., Stanford, Calif.

 NELSON, CHARLES R. (SM'53), Research Engr.,
 Aeronautical Structures Lab., Naval Air Material Center,
 Philadelphia 12, Pa.

- Aeronautical Structures Lab., Naval Air Material Center, Philadelphia 12, Pa.

 NELSON, CHRISTOPHER B. (S'56-M'59), Staff, MIT, Lincoln Lab., Lexington 73, Mass.

 NELSON, CONRAD E. (A'52-M'57-SM'58), Group Head, Hughes Aircraft Co., Culver City, Calif.

 NELSON, DAVID E. (S'53-M'56), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 NELSON, DAVID H. (S'56-M'58), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 NELSON, DAWAYNE L. (S'57-M'59), Research & Dev. Engr., Delco Radio Div., Kokomo, Ind.

 NELSON, DENTON E. (A'52), Engr., Tektronix, Inc., Box 831, Portland 7, Ore.

 NELSON, DICK F. (S'49-A'51-M'58), Electronics Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 NELSON, DON J. (S'48-A'54-M'58), Instr., Univ. of Nebraska, Lincoln 8, Neb.

 NELSON, DONALD R. (S'41-A'41-M'49), Engrg. Leader, RCA, Harrison, N.J.

 NELSON, DONALD R. (S'57-M'59), Asst. Engr., Raytheon Mfg. Co., White Sands Missile Range, N. M.

 NELSON, E. ARNOLD A. (A'47), Consulting Engr., DesIgner, Mfg. Microwave RF Components, 1387 Massachusetts Ave., Lexington, Mass.

 NELSON E. KEITH (A'43-M'55), Sr. Engr., Convair, Poppona Calif

- Äve., Lexington, Mass.
 NELSON E. KE1TH (A'43-M'55), Sr. Engr., Convair,
 Pomona, Calif.
 NELSON, EARL. P. (SM'52), Consulting Engr., 136
 Highyiew Dr., Stratford, Coun.
 NELSON, EDWARD A. (A'48-M'55), Sr. Engr., Philoo
 Corn., 3875 Fabian Way, Palo Alto, Calif.
 NELSON, EDWARD L., JR. (S'54-M'56), Design & Dev.
 Engr., Hazeltine Electronics Div., 59-25 Little Neck
 Pkwy., Little Neck 62, L.I., N.Y.
- PKWY., LITTLE NECK 62, L.I., N.Y.
 NELSON, EDWARD P. (A¹54-M¹58), Field Engr., G.C.
 Engel & Associates, Box 569, Ridgewood, N.J.
 NELSON, EDWIN J. (A¹52-M¹57), Elec. Engr., Remington
 Rand Univac, 1902 W. Minnehaha Ave., St. Paul 16,
 Minn.
- Minn.

 NELSON, ELMER A. (M'46), Owner, Telson Electronics, 320 East Bivd., Rapid City, S.D.

 NELSON, FORREST A. (A'43-M'55), Mgr., Spectroscopy Applied Research, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 NELSON, FRANK H. (A'41-M'55), Mgr., Engrg. Sect., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- Pa. P. Too Wissanirkon Art., Indeed, Pa. NELSON, FRANKLIN E. (S'56-M'58), Tech. Writer, Hughes Aircraft Co., Culver City, Callf.

 NELSON, FREDERICK R. (A'59), Elec. Test Equipment Technician, Convair, Palmdale, Calif.

 NELSON, FREDRIC W. (S'58-A'59), Engrg. Asst., Raytheon Mfg. Co., North Dighton, Mass.

 NELSON, GENE L. (S'51-A'52-M'57), Elec. Engr., The Magnavox Co., 1505 E. Main St., Urbana, III.

 NELSON, GEORGE G. (S'55-M'57), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 NELSON, GERALD A. (A'52-M'58), Service Mgr., Bendix Radio 10500 Magnolia Blvd., North Hollywood, Callf.

- NELSON, GERALD A, (A'52-M'58), Service Mgr., Bendix Radio 10500 Magnolia Blvd., North Hollywood, Calif. NELSON, GLENN A. (A'58), Design & Dev. Engr., RCA, Camden. N.J. NELSON, GORDON E. (M'57), Electronics Engr., Combustion Engra. Windsor. Com. NELSON, GORDON G. (S'54-M'57), Design Engr., Lawrence Radiation Lab., Box 808. Livermore. Calif. NELSON, HARRY C. (A'47-M'55), Sales Mgr., Polytechnic Research & Development Co., Inc., 202 Tillary St., Brooklyn, N.Y. NELSON, HERBERT H. (S'56-M'58), Elec. Engr., Fairchild Astrionics Dlv., Wyandanch, L.I., N.Y. NELSON, HILDING E. (S'58-M'59), Elec. Engr., Remington Rand Univac. St. Paul 16, Minn. NELSON, IVAR (M'43), Chief Engr., Meyer Broadcasting Co., KFYR, KFVR-TV, KMOT, KUMV-TV. 200 1/2 4 St., Sismarck, No. (S'54-M'58), Electronics Scientist, U.S. Navy Electronics Lab., Point Loma, San Diego 52, Calif.
- NELSON, JAMES E. (S'55-M'58), 3728 W. Beverly Dr., Dallas 9. Tex. NELSON, JAMES W., JR. (A'46-SM'47), Genl, Mgr., X-Ray Dept., GE Co., 4855 Electric Ave., Milwaukee 1,

- WIS.

 NELSON, JOEL K. (S'55-M'57), Assoc. Research Engr.,
 Boeing Airplane Co., Box 107, Seattle 14, Wash.

 NELSON, JOHN A. (M'55), Engr.-in-Chg., Components
 & Specifications, Stromberg-Carlson, 1400 N. Goodman
 St., Rochester 9, N.Y.
- St., Rochester 9, N.Y.

 NELSON, JOHN B. (A'50), Mfg. Dev. Engr., RCA, 501

 N. LaSalie, Indianapolis, Ind.

 NELSON, JOHN E. (A'43-SM'48), Eastern Regional Mgr., Equipment Sales Receiving Tube Dept., GE Co., 200 Main Ave., Citton, N.J.

 NELSON, JOHN H. (M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 NELSON, JOHN L. (A'51-M'55), Sr. Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Arlz.

 NELSON, JOSEPH L. (A'48-M'55), Sr. Engr., Applied Science Corp., of Princeton, Box 44, Princeton, N.J.

- NELSON, JOSEPH S., JR. (A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 NELSON, KAY F. (S'57-M'57), Engr., Sperry Utah Engrg., Lab., 322 N. 23, W., Sait Lake City, Utah.

 NELSON, KEITH D. (M'59), Sr. Engr., Sylvania Elec. Prods. Inc., Box 1296, Mountain View, Calif.

 NELSON, KENNETH L. (A'52-M'58), Mem. Tech. Staff, Space Technology Labs., 5500 El Segundo Bld., Los Angeles, Calif.
- Angeles, Calif.

 NELSON, KENNETH L. (M'57), Design Specialist, Lock-heed Missile Systems Div., Box 504, Sunnyvale, Calif.

 NELSON, LAWRENCE E. (M'56), Technical Officer Tele-communication Div., Dept. of Transport, #3 Temporary Bldg., Oltawa, Ont., Canada.

 NELSON, LEROY O. (M'54), Staff Engr., The Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco 5, Calif.

- phone & Telegraph Co., 140 New Montoymery St., Jain Francisco 5, Calif.

 NELSON, LEWIS (S'51-A'52-M'56), Group Engr., Martin Co., Orlando, Fla.

 NELSON, MELVIN (S'57-A'58), Television Broadcast Technician. WAVY-TV. 801 Middle St.. Portsmouth. Va.

 NELSON, MELVIN W. (A'58), TV Engr., Natl. Institute of Health, 4513 Highland Ave., Bethesda, Md.

 NELSON, MILORED (M'59), Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City. N.V.

 NELSON, MILTON (S'52-A'53), Sales Engr., Electro Dynamic Div., Genl. Dynamics, 163 Ave., A, Bayonne, N.J.

 NELSON, MILTON F. (A'55), Chief Engr., Allen Organ Co., Inc., Macungie, Pa.

 NELSON, MORRIS D. (A'48-M'55), Engr., RCA Industrial Electronics Prods. Div., Camden, N.J.

 NELSON, NEIL A. (A'41-SM'53), Chief, Operations Office, Communications & Navigation Lab., Wright Air Development Center, USAF, Wright-Patterson AF8, Ohio.

- Communications & Navigation Lab., Wright Air Development Center, USAF, Wright-Patterson AF8, Ohio.

 NELSON, NEWTON P. (S'50-A'51-M'56), Research Engr., Boeing Airplane Co., Seattle, Wash.

 NELSON, OLIVER A. (A'55), Engr., Beckman Instruments, 2200 Wright Ave., Richmond, Calif

 NELSON, OSCAR A. (A'58), Foreman, American Bosch Ama Corp., Mineola, L.I., N.Y.

 NELSON, PAUL H. (A'39-M'40-SM'43), Prof. of Elec. Engr., Indian Inst. of Tech., Kharappur, West Bengal, India.

 NELSON, PETER A. (A'58), Plant Foreman, Bell Tel. Co. of Canada. Beaver Hall. Montreal. P. O. Canada.

 NELSON, PETER C. (S'56-M'58), Engr., American Bosch Ama Corp., Garden City, L.I., N.Y.

 NELSON, R. THEODORE (S 50-A'51-M'53-SM'56), Research Assoc., Croshy Labs., Inc., 299 Robbins Lane, Syosset, L.I., N.Y.

 NELSON, RALPH V. (S'57-M'59), Elec. Engr., GE Co..

- NELSON, RALPH V. (S'57-M'59), Elec. Engr., GE Co.,

- NELSON, RALPH V. (S'D/-M'DY), EIGH, CERRIN, GLOWN, SYRAUSE, N.Y.
 NELSON, RAY S., JR. (S'51-A'52-M'59), Supvy, Electronics Engr., Tech. Service Dept., Naval Air Missile Test Center, Point Mugu, Calif.
 NELSON, RAYMOND A. (M'56), Research Engr., Stanford Research Institute, Menio Park, Calif.
 NELSON, RAYMOND H. (A'41-M'48), Sr. Engr., Royal Swedish 8d. of Telecommunications, Stockholm, Sweden. NELSON, RAYMOND L. (S'55-M'57), Sr. Dev. Engr., Eastman Kodak Co., Hawk Eye Works, 20 Ave. E, Rochester 21, N.Y.

- man Kodak Co., Hawk Eye Works, 20 Ave. C., Rocriester 21, N.Y.

 N.
- HOIJWOOD, LAIII.
 NELSON, ROBERT P. (A'50-M'55), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 NELSON, ROBERT S. (S'56-M'57), Engr., RCA, Harrison,

- N.J., N.S., N.S., N.S., R.S., R.S.,
- LSON, STANLEY R. (S'48-A'51), Lead Engr., Test & heckout Group, Temco Aircraft Corp., Box 6191, Dallas,

- Tex.

 NELSON, VERNON A. (A'50), Mgr., Computer Production
 Services, IBM, Poughkeepsie, N.Y.

 NELSON, VERNON R. (S'53-A'54), Head, Physics Dept.,
 Augustana College, Sioux Falls, S.D.

 NELSON, VICTOR H. (S'51-A'52-M'57), Project Engr.,
 Specialties. Inc., Skunks Misery Rd., Syosset, L.I., N.Y.

 NELSON, WALLACE G. (S'56-M'57), Elec. Engr., Remington
 Rand Univac, 1902 W. Minnehaha Ave., St. Paul W44, Min
 NELSON, WALTER C. (A'55), Tech. Instr., College of Technology, Univ. of Houston, 3801 Collen Blvd., Houston 4,
 Tex.
- Tex.

 NELSON, WALTER H. (A'31-M'41-SM'43), Electronics Engr., Univ. of California Radiation Lab., Berkeley, Calif.

 NELSON, WILLIAN (A'54), Experimental Technician, Kollsman Instrument Corp.. 80-08 45 Ave., Elmhurst 73, L.I., N.Y.

 NELSON, WILLIAM D. (M'55), Engr., Electronics C Course, GE Co., Syracuse, N.Y.

 NELSON, WILLIAM F. (A'51-M'56), Test Supvr., Consolidated Edison Co. of New York, Inc., 708 1st Ave., New York, 17, N.Y.

 NELSON, WILLIAM H. (MI57), Salae Engr., Columbia Elac.
- YORK 17, N.Y.

 NELSON, WILLIAM H. (M'57), Sales Engr., Sylvania Elec.
 Prods., Inc., 2001 N. Cornell, Metrose Park, III.

 NEMCEK, GEORGE M. (A'56), Project Engr., Hallicrafters
 Co., 4401 W. 5 Ave., Chicago 24, III.

 NEMCHUK, WALTER J. (S'50-A'51-M'56), Sr. Design Engr.,
 Hazeltine Electronics, 59-25 Little Neck Pkwy., Little Neck,
 L.I., N.Y.

- NEMEROFF, IRA (A'54), Sr. Engr., ITT Labs., Nutley 10,
- N.J.

 NEMETH, WILLIAM E. (M'5B), Project Engr., Micronics
 Div., Elgin Watch, Elgin, III.

 NEMETZ, RICHARD H. (S'5B-A'5B), Chief Engr., WRIM,
 17 Lake Ave., Pahokee, Fla.

 NEMIROW, DANIEL M. (A'56), U.S.C.G. Air Det, ATC

 Navy 14, FPO, San Francisco, Calif.

 NEMIROW. TADAO (A'84) Engr. of Microwaye Tube Sect.
- NAWY 14, FPU, San Francisco, Calif.
 NEMOTO, TADAO (A)54), Engr. of Microwave Tube Sect.,
 Nippon Electric Co., Ltd., 1753 Shimonumabe, Tamagawamukai, Kawasaki City, Japan.
 NENORTAS, KOSTAS (M'58), Elec. Engr., Raytheon Mfg.
 Co., Waltham 54, Mass.
- Co., Waltham 54, Mass.
 NEOCY, SUDHIR C. (A!54), Shift Engr., R.B.H.M., Jute Mills,
 Ltd., Katihar Mills, Purnea (Behar), India.
 NEPDMUCENO, LAURO X. (A!54), Assoc. Prof., Instituto
 Technologico de Aeronautica, Sao Jose Dos Campos, Sao
 Paulo, Brazil.
- rauio, Brazii.

 NEPPEL, WILLIAM C. (S'50-A'52-M'5B), Design Engr.,
 GE Co., Aubum, N.Y.

 NEPRUD, REGINALD N. (SM'54), Quality Control Supvr.,
 Sylvania Elec. Prods., Inc., 175 Great Arrow Ave., Buffalo
 7, N.Y.
- NERCESSIAN, YEGHIA T. (S'55-M'56), 1st Lt., Asst. Chief, Research Branch, U.S. Army, USARAD School, Box 9180, Ft. Bliss, Texas.
- NERENBERG, RAYMOND I. (S'56-M'5B), Field Engr., RCA Service Co.. Camden, N. J. NERGAARD, LEON S. Ca'29-M'3B-SM'43-F'52), Assoc. Dir., Electronics Lab, RCA Labs., Princeton 5, N. J. NERHAG, QVA. (A'5B), Engr., Svenska Radioaktiebolaget, Stockholm 12, Sweden, M. S. Servick, Devivious Control of the Proposition of the Control of the Proposition of the Prop

- Stockholm 12, Sweden.

 NERHOOD, H. ELMER (A'51), Special Distribution Engr., Ohio Edison Co., Akron 10, Ohio.

 NERSESIAN, RUDOLPH W. (A'58), Assoc. Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 NERVIK, JOHN M. (S'53-A'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 NERWIN, HENRY N. (A'51-M'56), Asst. Chief Engr., Electronics Magnaflux Comp., 7300 W. Lawrence Ave., Chicago 31, III.

 NESBIT, ERNEST E. (SM'55), Dept. Head, Radar Engrg., Bendix Avaitation Corp., 11600 Sherman Way, North Hollywood, Calif.

 NESBIT, ELIGENE P. (S'55-A'57), Service Technician.

- wood, valit.

 NESBITT, EUGENE P. (S'55-A'57), Service Technician,
 431B Oltott Ave., East Chicago, Ind.

 NESBITT, WILLIAM E. (S'50-A'52-M'56-SM'57),
 Research Specialist, Boeling Airplane Co., Seattle, Wash.

 NESENOFF, NORMAN (S'53-A'54), Principal Engr.,
 Ford Instrument Co., 31-10 Thomson Ave., Long Island
 City1, N.Y.
- NESHEIM, DAVID A. (M'59), Assoc. Engr., Douglas Aircraft Corp., 3000 Ocean Park Blvd., Santa Monica, Calif.
- Calif.

 NESHEIM , WILLIS L. (S'57-M'59), Test Engr., McDonnell Aircraft Corp., Box 516, St. Louis 66, Mo.

 NESHYBA, STEPHEN J. (M'56), Sr. Aerophysics Engr., Convair, Ft. Worth, Tex.

 NESLINE, F., WILLIAM, JR. (S'50-M'57), Sect. Head, Raytheon Mfg. Co., Bedford, Mass.

 NESMAN, EDWIN F. (S'54-M'58), Engr., Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.

- 15, Mass.
 NeSMITH, WOODROW W. (M'55), Instrumentation Engr.,
 Lockheed Missile Systems Div., Sunnyvale, Calif.
 NESS, CHARLES H. (M'56), Engr., Airborne Instrument
 Lab, Mincola, L.I., N.Y.
 NESS, JAMES W. (M'57), Sr. Engr., Martin Co., Orlando,

- Fig.
 NESS, JAMES W. (M'S7), FY.Engr., Martin Co., Orlando, Fia.
 NESS, ODVAR A. (A'52-M'5B), Supvy. Engr., Sprague Electric Co., North Adams, Mass.
 NESS, ROBERT J. (A'54-M'5B), SSB Engr., RCA, Assigned to: McCleilan AFB, Sacramento, Calif.
 NESS, WALTER H. (M'5B), Electronics Engr., Bell & Howell Co., Lincolnwood, Ill.
 NESSELROTH, MELVIN D. (S'52-A'54-M'59), Sr. Engr., ITT Labs., Nutley 10, N.J.
 NESSMITH, JOSH T., JR. (S'46-A'4B-M'55-SM'58), System Project Engr., RCA, Moorestown, N.J.
 NESTEL, WERNER (SM'57), Mem. of Bd., Telefunken, Gmbh., 71, Sickingehstrasse, Berlin NW B7, Germany.
 NESTER, ANDREW L. (S'56-M'59), Prod. Engr., Western Electric Co., Laureldale, Pa.
 NESTER, WILLIAM H. (M'55), Engr., GE Co., Syracuse, N.Y.
 NESTING, JAMES W. (S'52-A'55), Flor. Engr., Otton.
- N.Y.
 NESTING, JAMES W. (S'52-A'55), Elec. Engr., Otter
 Tail Power Co., 215 S. Cascade, Gergus Falls, Minn.
 NESTLERODE, C. DALE (S'50-A'51-M'57), Chief Design
 Engr., Standard Coil Prods. Co., Inc., 2100 N. Soto St.,
 Los Angeles 32, Calif.
- NESTOR, ROBERT P. (M'59), 551 W. 170 St., New York 32, N.Y.

- 32, N.Y.

 NETHERWOOD, DOUGLAS B. (M'56), Maj., USAF, Advanced Development Branch, Electronic Components Lab., Wright-Patterson AFB, Ohio.

 NETHKEN, ROBERT T. (S'50-A'51-M'56), Asst. Prof., Louisiana State Univ., Baton Rouge, La.

 NETTESHEIM, HENRY P. (S'41-A'45-SM'55), Assoc. Prof. & Chm., Dept. of Elec. Engrg., Univ of Santa Clara, Santa Clara, Calif.

- Prof & Chmin. Dept. of Elec. Engrg., Univ of Santa Clara, Santa Clara, Calif.

 NETTIFEE, GEORGE R. (M'156), Sr. Test Instrument Designer, Stewart Warner Electronics, 1300 N. Kostner Ave., Chicago 51, Ill.

 NETTLETON, EDWARD L. (A'53-M'59), Engr., Cannon Electric Co., Salem, Mass.

 NEU, EMIL C. (S'55-M'56), Instr., Stevens Institute of Technology, Hudson St., Hoboken, N.J.

 NEU, JACOB D. (A'57), Electronics Engr., Chrysler Missile Div., Warner, Mich.

 NEU, W. JOSEPH (A'48-M'55), Project Engr., Radio Receptor Co., 81 N. 4 St., Brooklyn, N.Y.

 NEUBAUER, JOHN R. (M'49-SM'54), Leader, Projects Group, System Integration, RCA, Camden 1, N.J.

 NEUBAUER, RICHARD A. (S'48-M'51-M'55), Prof., Elec. Engrg. Dept., Univ. of Buffalo, Buffalo 14, N.Y.

 NEUBER, RICHARD A. (S'48-M'53-M'57), Owner, Herbert K. Neuber (Sound Equipment), 1539 Race St., Philadelphia 2, Pa.
- NEUBER, RALPH E. (A'47-SM'51), Design Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

- NEUBERT, HENRY A., JR. (S'4B-A'49-M'55), Elec. Service Works, Delta-Star Elec. Div., H. K. Porter Co. Inc. of Delaware, 17 & Cambria Sts., Philadelphia 32, Pa. NEUBERT, WARREN E. (A'54), Project Engr., GE Co., Pittsfield, Mass.

- Pittsfield, Mass.

 NEUBURGER, ALFRED (S'55-M'59), Mem. Tech. Staff, RCA, Rocky Point, L.I., N.Y.

 NEUDORFER, WILLIAM L. (S'49-A'50-M'55), Engrg. Rep., RCA Service Co., Camden B, N.J.

 NEUENSCHWANDER, ELMER F. (A'44-M'47), Sr. Research Geophysicist, Humble Oil & Refining Co., 1216

 Main St., Houston 2, Tex.

 NEUERT, H. L. (A'30-VA'39-M'57), Service Engr., Altec Service Co., 1616 Ave., New York 13, N.Y.

 NEUGEBAUER, HANS E. J. (SM'59), Independent Scientific Consultant, 11 Laurelwood Ave., Pointe Claire, P.Q., Canada.

 NEUKUCKATZ, ALERED (A'56), Mar. Environmental Year
- NEUKUCKATZ, ALFRED (A'56), Mgr., Enviromental Test Sect., Inland Testing Labs., 6401 W. Oakton St., Morton Grove, III.
- Prods. for Natl. Defense, Missile & Surface Radar Div., Moorestown, N.J.
- MOORESTOWN, N. J.

 NEUMAN, GEORGE J. (A'45-M'55), Mfrs. Rep., George
 J. Neuman & Co., Blue Mountain Rd., Norwalk, Conn.

 NEUMAN, GEORGE O. (A'55), Engr., Magnavox Research
 Labs., 2255 S. Carmelina Ave., Los Angeles 64, Calif.

 NEUMAN, ROBERT H. (S'54-A'56), Chief Electronics
 Technician, USCG, CGC Chautaugua, WPG-41, FPO,
 San Francisco, Calif.
- Sain Francisco, Calif.

 NEUMANN, ALBRECHTJ. (S'3B-A'41-M'46), Tech.

 Systems Coordinator, Data Handling, Office of Naval
 Research, Washington 25, D.C.

 NEUMANN, HAROLD J. (S'52-A'53-M'5B), Mem. Tech.

 Staff, Hughes Aircraft Co., Culver City, Calif.

- Staff, Hughes Aircraft Co., Culver City, Calif.
 NEUMANN, HELMUTD. (S'51-A'55), Elec. Engr.,
 MIT, Lexington 73, Mass.
 NEUMANN, JOHN W. (S'55-M'56), Electronics Engr.,
 Hughes Aircraft Co., Culver City, Calif.
 NEUMANN, KARL L. (S'47-A'50-M'57), Mgr., Radiomarine
 Communications, RCA, Camden, N. J.
 NEUMANN, L. ROBERT (A'55), Engr., RCA, Camden. N. J.
 NEUMANN, L. ROBERT (A'55), Engr., RCA, Camden. N. J.
 NEUMANN, LEOPOLD (S'54-M'58), Staff Mem., MIT, Lincoin Lab., Lexington 73, Mass.
 NEUMANN, WILLIAM E. (M'56), BOI 19 St., Lewiston,
 Idaho.

- Idaho.

 NEUMANN,W ILLIAM J. (S'57-M'5B), Elec. Engr., Remington
 Rand Univac, St. Paul 16, Minn.

 NEUMARK, JOACHIM (A'49), Systems Engr., Motorola, Inc.,
 1400 N. Cicero, Chicago, III.

 NEUMARK, ZENON (M'5B), 1162 4 Ave., Los Angeles 19,
- NEUMEYER, BERNARD W. (A'51-M'56), Physicist, Project Supvr., Underwater Ordnance Simulation & Weapons Planning, U.S. Naval Ordnance Test Sta., 3202 E. Foothill Blvd.,

- U.S. Naval Ordnance Test Sta., 3202 E. Foothill Blvd., Pasadena. Calif.
 NEUNHERZ, ROBERT K. (S'54-M'56), 33 Parkerhill Rd., Gardner, Mass.
 NEUNZIG, RICHARD C. (A'51), Engr., Federal Telecommunication Labs., Nutley 10, N. J.
 NEURON, ERIC (S'43-A'44-M'53), Analyst, Operation Research, USNMC, Pacific Missile Range, Point Mugu, Calif.
 NEUSE, DIRWOOD N. (A'53), Studio Supvr., WRAL-TV,
 Western Blvd., Raleigh, N. C.
 NEUWIRTH, PAUL (S'46-A'51-M'56), Chief Engr., Autometric Corp., 1501 Broadway, New York 36, N.Y.
 NEVEAUX, ROBERT J. (A'52-M'58), Design Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn.
 NEVENNER, RAYMOND J. (A'59), Reliability Engr., McDon-

- NEVENNER, RAYMOND J. (A'59), Reliability Engr., McDon-nel Aircraft Corp., Lambert Municipal Airport, St. Louis 3, Mo.
- MEVEROSKI, FREDERICK (A'52), Sales Engr., Pacific Communications Services, Ltd., 11B1 Marine Dr., North Vancouver, B.C., Canada.
- NEVEROSKI, WILLIAM J. (5'52-A'53-M'58), Sr. Engr., Hazeltine Electronic Corp., Little Neck 62, L.I., N.Y., NEVILLE, ALAN H. (M'56), Engrg. Asst., Canadian Pacific Railway Communications Dept., 1255 Phillips Sq., Montreal, P.Q., Canada.
- P.Q., Canada.
 NEVIN, MERTON E. (A'52), Factory Laborer, American Motors
 Corp., 5626–25 Ave., Kenosha, Wis.
 NEVINS, JAMES L., JR. (S'51-A'53-M'56), Design & Research Staff Elec. Engr., MIT, Instrumentation Lab., Cambridge 39, Mass.
- Seart Iscan Elect. Engr., MIT, Instrumentation Lab., Cambridge 39, Mass.

 NEVINS, JOHN E., JR. (M'53-SM'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 NEVITT, H. J. BARRINGTON (S'37-SM'46), Consultant Engr., The Ericsson Corp.. 100 Park Ave., New York, N.Y.

 NEVITT, ROBERT G. (S'46-A'49-M'55), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 NEW, ROBERT F. (S'48-A'49-M'55), Freletomics Design Engr., Link Aviation, Inc., Binghamton, N.Y.

 NEW, ROBERT F. (S'48-A'49-M'55), Pey. Engr., American Electronics Labs., Richardson Rd., Colmar, Pa.

 NEW, THORNDIKE C. T. (S'49-A'51-M'56), Supvy. Engr., Westinghouse Elec. Corp., Youngwood, Pa.

 NEWBERG, IRWIN L. (S'53-A'54), Research Asst., MIT, Cambridge 39, Mass.

 NEWBERRY, ALVIN W., (A'50-SM'5B), Mem, Tech. Staff, Ramo-Wooldridge, 5740 Arbor Vitae, Los Angeles 45, Calif.

 NEWBERRY, DENNYA. (A'38-M'44), Service Engr., Convair-

- Ramo-Wooldridge, 5740 Arbor Vitae, (os Angeles 45, Calif. NEWBERRY, DENNY A. (A'38-M'44), Service Engr., Convair-Astronautics, San Diego, Calif. NEWBERRY, VERNON A. (M'57), Sr. Engr., Weapons System Rep., The Martin Co., Orlando, Fla. NEWBOLD, ROBERT F. (S'48-M'51), Sr. Engr., Aerojet-Genl. Corp. Azusa, Calif. NEWBORG, DAVID S. (S'40-A 45-M'55), TV Equipment Sales Engr., RCA, 1600 Keith Bidg., Cleveland 15, Ohio. NEWBURGH, HENRY (A'40-M'48), Star Rte., Box 102, Vailey Center, Calif. NEWBY, HAROLD H. (A'50-M'51), V.P. & Chief Engr., KAKE-TV, Inc., 1500 N.W est St., Wichita I, Kan. NEWCOMB, CHARLES E. (A'56), Tech. Engr., IBM, Kingston, N.Y.
- ton, N.Y.
 NEWCOMB, RICHARD H, (S'57-M'59), 524 Otto Ave., Edgewater Park, Twp., Beverly, N.J.
 NEWCOMB, ROBERT D. (A'30-VA'39-SM'51), Pres. & Genl.
 Mgr., Newcomb Audio Prods. Co., 6B24 Lexington Ave.,
 Hollywood 3B, Calif.

- NEWCOMB, ROBERT E. (S¹53-M¹5B), Electronics Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 NEWCOMB, WHEELER H., JR. (S¹53-A 54), Asst. Project Engr., Bendix Radio Corp., E. Joppa Rd., Towson 4, Md.

 NEWCOMBE, DONALD A. (S¹51-A¹52-M¹56), Sr. Dev. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 NEWDALE, EDWARD I. (A¹51-M¹57), Asst. Project Engr., Fairchild Astrionics Div., Wyandanch, L.I., N.Y.

 NEWDORF, ARNOLD S. (A¹51), Supvr., Tech. Writing, Mc-Laughlin Research Corp., 311 W. 43 St., New York 36, N.Y.
- N.Y.

 NEWDOW, IRA (S'56-M'59), Mem. Tech. Staff, Genl. Precision Lab., Pleasantville, N.Y.

 NEWELL, BENJAMIN C. (A'58), Production Engr., Interference Testing & Research Lab., Inc., 150 Causeway St., Boston, Mass.

 NEWELL, BILLY J. (A'44), Foreman, Servo Mechanisms, Instrumentation & Reliability Labs., Chance-Vought Aircraft, Inc., Box 4451, Dallas B, Tex.

- Instrumentation & Reliability Labs., Chance-Vought Aircraft, Inc., Box 4451, Dalla B, Tex.

 NEWELL, CHARLES J. (S'50-A'51-M'56), Asst. Communications Super., Michigan-Wisconsin Pipe Line Co., 500 Griswold St., Detroit 26, Mich.

 NEWELL, DARRELL E. (S'52-A'53-M'58), Research & Design Engr., Collins Radio Co., Cedar Rapids, Jowa.

 NEWELL, GEORGE R. (A'4B), Operator-Engr., WRDO, Inc., 175 Water St., Augusta. Me.

 NEWELL, HOBART H. (A'22-M'30-SM'43), Prof., Elec. Engr., Worcester Polytechnic Institute, Worcester 9, Mass.

 NEWELL, JOHN A. (S'57-M'5B), Elec. Engr., Bendix Aviation, Mishawaka, Ind.

 NEWELL, JOHN S., JR. (S'56-M'5B), Research Engr., Caterbillar Tractor Co., Peoria, Ill.

 NEWELL, APBAN T. (SM'55), Chief Electronics Engr., Branch, FAA, 4B25 Troost Ave., Kansas City, Mo.

 NEWELL, RICHARD A. (S'49-A'51-M'56), Standards Engr., Electronic Associates, Inc., Long Branch, N.J.

 NEWELL, RICHARD A. (S'56-M'5B), Design Engr., Test Checkout, Martin Co., Orlando, Fla.

 NEWELL, ROBERT R. (A'56), Scientific Consultant, U.S.

 Naval Radiological Defense Lab., Hunters Point, San Francisco 24, Calif.

 NEWELL, WILLIAM E. (A'54), Asst. Prof., Elec. Engr.,

- CISCO 24, LAIII.

 NEWELL, WILLIAM E. (A'54), Asst. Prof., Elec. Engrg.,
 American Univ.. Beinut, Lebanon.

 NEWEY, DONALD K. (S'57-M'57), Engr. 1, Manitoba Telephone System, 166 Portage Ave., E., Winnipeg 1, Man.,

- Canada.

 NEWHALL, EDMUNDE E. (\$'49-A'51), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 NEWHALL, STANLEY, JR. (A'53-M'5B), Engr., Sperry Electronic Tube Div., Gainesville, Fla.

 NEWHAM, HARRY E. (A'57), Radar Maint. Chief, Georgia Air Natl. Guard, 1117 Intermediate Rd., Savannah, Ga.

 NEWHARD, CHARLES E. (M'46), Asst. Communications Engr., Pennsylvania Power & Light Co., 9 & Hamilton Sts., Allentown, Pa.
- town, Pa.

 NEWHOFFER, FERDINALD L. (A'47), Lead Communications
 Operator, American Airlines, Inc., Los Angeles Internatl.
 Airport, 5910 Avion Dr., Los Angeles 45, Calif.

 NEWHOUSE, DONALD R. (A'52-M'5B), V.P., Oregonian
 Publishing Co. 1320 S.W. Broadway. Portland 1, Ore.
 NEWHOUSE, GEORGE B. (S'45-A'47-M'55), Partner, Shapiro
 & Edwards, 1130 Mission St., South Pasadena, Calif.
 NEWHOUSE, PAUL D. (A'54), Sr., Engr., Westinghouse Elec.
 Corp., Friendship Internatl. Airport. Baltimore 27, Md.
 NEWHOUSE, PILSSEIL C. (A'43-M-39-SM-32-ES4-) DiNEWHOUSE PILSSEIL C. (A'43-M-39-SM-32-ES4-) DiNEWHOUSE PILSSEIL C. (A'43-M-39-SM-32-ES4-) Di-

- Corp., Friendship Internatl. Airport, Baltimore 27, Md.
 NEWHOUSE, RUSSELL C. (A'30-M'39-SM'43-F'56), Dir.
 of Missile Systems Dev., Bell Tel. Labs., Whippany, N.J.
 NEWHOUSE, VERNON L. (M'55), Physicist, GE Research
 Lab., Schenectady, N.Y.
 NEWHOUSE, VIRGIL L. (A'55), Engr., Collins Radio Co.,
 Cedar Rapids, Iowa.
 NEWITT, J. WILLIAM (S'54-A'55), Toll Ticketing Engr.,
 Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3,
 N.Y.
- NEWLAND, EVERETT, JR. (S'55-M'56), Mem. Tech. Staff, Bell Tel. Labs.. 365 West St., New York 14, N.Y. NEWLIN, GENEC. (A'48-M'55), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
- NEWLIN, THEODORE G. (A'54), Test Engr., Electric Boat Div., Groton, Conn.
- UIV., Groton, Conn.
 NEWLON, ARTHUR E. (A'3B-SM'44), Head, Ordnance Sect.,
 Controls Dept., Hughes Aircraft Co., Culver City, Calif.
 NEWLON, ROBERT M. (S'55-M'5B), Instrumentation Engr.,
 Fairchild Semi-Conductor Corp., 844 Charleston, Palo Alto,
 Calif.
- NEWMAN, AARON W. (M¹53), Research Staff Mem., James Forrestal Research Center. Princeton Univ., Princeton, N.J. NEWMAN, BERTRAM R. (S¹54-M¹57), Sales Engr., Thompson-Ramo-Wooldridge Prods. Co., Box 90067, Los Angeles 24, Calif.
 NEWMAN, CHARLES (A'42-M¹55), Instrumentation Supvr., Redel, Inc., 220 N. Atchison St., Anaheim, Calif.

- Redel, Inc., 220 N. Atchison St., Ananeim, Calif. NEWMAN, CLAUDE A., JR. (S'57-M'59), Jr. Engr., IBM, Poughkeepsie, N.Y. NEWMAN, DAVID B. (A'53-SM'56), Head, Electronics Guld-ance Labs. U.S. Naval Missile Center, Point Mugu, Calif. NEWMAN, DONALD J. (M'58), Raytheon Mfg. Co., Andover, Mass.
- NEWMAN, ERNEST G. (M'56), Dev. Engr., IBM, Poughkeep-sie, N.Y. NEWMAN, ERWIN L. (A'52-M'57), Engr., RCA, Camden 2,
- N.J.

 NEWMAN, HAROLD L. (A'44-M'52-SM'54), Engrg. Specialist, Sylvania Elec. Prods., Inc., Electronic Defense Lab.,
 Box 205, Mountain View, Calif.

 Local Alexander Communications Engr., 2012, Alexander Communications Engr.
- Box 205, Mountain View, Calif.

 NEWMAN, HARRY B. (S152-A152-M157), Applications Engr., The Tiby Co., 2245 Warr, Center Rd., Cleveland 18, Ohio. NEWMAN, HERBERT (M15B), Engr., Sperry Cyroscope Co., Great Neck, L.I., NY., NEWMAN, HERBERT Cc. (A154), Pres., Automatic Products Corp., 124 W. Boylston Dr., Worcester 6, Mass.

 NEWMAN, JAY J. (M154), Mgr., New Prod. & Marker Dev. Comoonents Div., RCA, Camden 2, N.J.

 NEWMAN, JOHN E. (A152-M157), Pres., Newman-Krause Co., 5451 W. Lawrence Ave., Chicago 30, III

 NEWMAN, JOHN J. (S15B-M159), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 NEWMAN, JOSEPH E. (A146), Chief Engr., WDBJ Radio & TV., Box 150, Roanoke 2, Va.

- 313 -NEW-NIE

- NEWMAN, LEONART (\$147-A150-M155), Project Mgr., L al Electronics Ccrp., 825 Bronx River Rd., New York 72 N.Y.
- NEWMAN, LEWIS (A'4B), Pres., Daven Co., Livinoston, N.J. NEWMAN, MORRIS M. (A'47-M'55), Research Dir., Lighting & Transients Research Institute, 3011 Foshay Tower, Min-neapolis 2, Minn.

- neapolis 2, Minn.

 NEWMAN, NATHAN (A'57), Electronics Scientist, Natl.

 Bureau of Standards, Washington 25, D.C.

 NEWMAN, PHILIP (A'47-M'47-SM'51), Chief, Propagation Sciences Lab., Air Force Cambridge Research Center, Bedford, Mass.

 NEWMAN, RICHARD J. (S'39-A'40), Sales Engr., RCA, 420 Taylor St. San Francisco, Calif.

 NEWMAN, RICHARD J. (SM'4B), Genl. Mgr., American Registor Corp., 530 W. Mt. Pleasant Ave. Livinaston. N.J.

 NEWMAN, ROBERT W. (M'4B), Consultant, Operations Research & Synthesis, GE Co., 445 Park Ave., New York, N.Y.

- searcn o Synthesis, GE Co., 445 Park Ave., New York, N.Y.

 NEWMAN, SAM (A'53-M'57), Electronics Scientist, Material Lab., Code 923, N.Y. Naval Shipyard, Brooklyn 1, N.Y.

 NEWMAN, SHELDON M. (S'56-M'57), Assoc. Engr., Boeing Airplane Co., 7755 E. Marginal Way. Seattle, Wash.

 NEWMAN, SHELDON O. (A'4B-SM'54), Engra, Dept. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 NEWMAN WALLACE E. (S'58-M'159), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 NEWMAN, WILLIAM P. (A'46), Aeronautical Research Engr. & Head, Operations Branch Missile Div. 1, USN Missile Center PMR, Point Mugu, Calif.

 NEWMEYER, DONALD R. (S'49-A'49-M'55), Sr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 NEWNAN, HAROLD L. (M'53), Electronics Mfrs', Rep., Harold L. Newnan Co., 56 41 Ave., San Mateo, Calif.

 NEWNHAM, NORRIS G. (A'5B), 3B01 Walnut. Kansas City
- NEWNHAM, NORRIS G. (A'5B), 3B01 Walnut, Kansas City
- NEWSHAM, CHARLES D. (S'57-M'59), Engr., Ordnance Dept., GE, Plastics Ave., Pittsfield, Mass. NEWSOM, BENJAMIN B. (M'57), Catt., USAF, Electronic. Warfare Officer, USAF, Box 26, 26th Bomb Sqdn., Altus

- AFB, Okla.

 NEWSOM, EARL G. (S'38-A'40), Radio Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

 NEWSOM, MELVIN M. (S.54-M'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 NEWSOME, ATLAS T. (M.56), Engr., Western Eleotric Co., Winston-Salem, N.C.

 NEWTON, ARNOLD (A'45), Sr. Engr., RCA, 75 Varick St., New York 13, N.Y.

 NEWTON, C., PAUL (M'56), Project Engr., Communications, Holmes & Narver, Inc., 82B S. Figueroa St., Los Angeles 17, Calif.

- Holmes & Narver, Inc., 82B S. Figueroa St., Los Angeles 17, Calif.

 NEWTON, CHARLES E., JR. (M'55), Supvry. Engrg.,
 Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
 NEWTON, DANIEL J. (S'50-A'51-M'57), Electronics
 Engr., Cornell Aeronautical Lab., 4455 Genesee St.,
 Buffalo, N. Y.

 NEWTON, DAVID J. (S'53-M'56), Engr., Asst., Datamatic
 Corp., Life St., Brighton, Mass
 NEWTON, GEORGE C., JR. (M'47), Pres., Newton &
 Associates, Consulting Engrs., 21 Aberdeen Rd.,
 Wellesley BJ., Mass., Assoc. Prof., Elec. Engrg., MIT,
 Cambridge 39, Mass
 NEWTON, GEORGE R. (SM'54), Research Assoc., Pan
 American Petroleum Corp., Box 591, Tulsa, Okla,
 NEWTON, JOHN D. (S'51-A'53-M'57), Assoc. Engr.,
 IBM, Poughkeepsie, N. Y.
 NEWTON, KENNETH G. (A'53-M'58), Project Engr.,
 Canadian Aviation Electronics Ltd., 6214 Cote de Liesse
 Rd., Montreal 9, P. Q., Canada
 NEWTON, KENNETH V. (A'47-SM'53), Supvr., Components
 Engrg., Bendix Aviation Corp., Box 1159, Kansas City 41,
 Mo.

 NEWTON, LYNDAL W. (SM'55), Engr., Sanders Associates

- MO.

 NEWTON, LYNDAL W. (SM'55), Engr., Sanders Associates,
 Inc., 95 Canal St., Nashua, N. H.

 NEWTON, WILLIAM K. (S'49-A'51-M'57), Asst. Regional
 Radio Aids Engr., Dept. of Transport, Govt. of Canada, 739
 W. Hastings St., Vancouver, B.C., Canada.
- W. Instrings St., Vancouver, B.C., Carland.
 NEWTON, WILLIAM P. (M'53), Electronics Staff Engr.,
 Lockheed Aircraft Co., Burbank, Calif,
 NEXON, VICTOR J. (A'44-M'58), Pres. & Chief Engr.,
 Microwave Services, Inc., 1475 Broadway, New York 36,
 N.Y.
- N.Y.

 NEY, ANDREW L. (S'56-M'57), Patent Atty. Trainee,
 Hazeltine Research Corp., Little Neck 62, L.I., N.Y.

 NEYHART, PAUL L. (M'56), Mgr., Reliability Engrg., GE
 Co., LMED, Johnson City, N.Y.

 NIBBE, GEORGE H. (S'41-4'44-5M'48), Pres., Canoga
 Div., Underwood Corp., 15330 Oxnard St., Van Nuys,
 Calif.
- NIBLOCK, PETER A. (M'55), Radio Project Engr., British Columbia Telephone Co., 768 Seymour St., Vancouver, B.C., Canada.
- NICELLI, LUCIANO (A'57), Research Engr., Ing. C. Olivetti & C.S.p.A., Via del Capannone 16, Pisa, Italy. NICELY, BERNARD R. (S'57-M'58), Design Engr., Convair, Ft. Worth, Tex.

- Convair, Ft. Worth, Tex.
 NICELY, WILLIAM A. (454), V.P., Chicago Telephone
 Supply Corp., 1142-1232 W. Beardsley, Elkhart, Ind.
 NICHIK, JOHN J. (M'58), Engr., American Bosch Arma
 Corp., Garden City, L.I., N.Y.
 NICHOL, ALBERT C. (A'55), Chief Engr., CHED, 10006
 107 St., Edmonton, Alta., Canada.
 NICHOL, ARTHUR V. (SM'52), Mgr., Prod. Analysis Consumer Prods. Div., Philoc Corp., Tioga & C Sts., Philadelphia 34, Pa.
 NICHOL DERNIS W. (S'57-M'59), Research Dent., RCA
- ocipnia 34, Pa.
 NICHOL, DENNIS W. (S'57-M'59), Research Dept., RCA
 Victor Co., 1001 Lenoir St., Montreal, P.Q., Canada.
 NICHOLAS, JUDD C. (SM'55), Staff Engr., Motorola,
 Western Military Electronics Div., 3102 N. 56 St.,
 Phoenix, Ariz.
- Phoenix, Ariz

 NICHOLAS, ROBERT V. (SM'57), Project Engr., Autonetics
 Div., No. Amer. Aviation, Downey, Calif.

 NICHOLES, GORDON H. (\$ 54-M'57), Project Engr.,
 Sperry Utah Engrg., Lab., 322 N. 21, W., Salt Lake City,
 Utah.
- NICHOLIDES, EMMANUEL C. (A'49-M'55), Consultant, 116 Pinehurst Ave., New York 33, N.Y.

- NICHOLS, ALAN D. (A'53-M'58), Assoc. Research Engr., Willow Run Lab., Univ. of Michigan, Willow Run Airport, Ypsilanti, Mich.

- Pawtucket, R.I.

 NICHOLS, BASIL B. (M'55), Systems Engr., Daystrom Systems Div., 4455 Miramar Rd., La Jolla, Calif.

 NICHOLS, BENJAMIN. (A'49-SM'54), Prof., Elec. Engrg., Cornell Univ., Ithaca., N.Y.

 NICHOLS, BURT E. (M'57), Staff Mem., MIT, Lincoln Lab., Lexington, Mass.

 NICHOLS, CHARLES A. (SM'56), V.P., Consumer Prods. Div., Hoffman Electronics Corp., 6200 S. Avalon Blvd., Los Angeles 3, Calif.

 NICHOLS, CHARLES D. (S'56-M'5B), Elec. Engr., Naval Ammunition Depot, McAlester, Okla.

 NICHOLS, FRED J. (M'45), Pres. & Genl. Mgr., Genistron, Inc., 2301 Federal Ave., Los Angeles 64, Calif.

 NICHOLS, CORDON C. (A'52), Electronics Test Equipment Assembler, USAF Institute of Technology, Wright-Patterson AFB, Ohio.

 NICHOLS, HARVEY F., JR. (À'52), Flac. Technicie.

- AFB, Ohio.

 NICHOLS, HARVEY F., JR. (A'52), Elec. Technician,
 Electronic Flash Approach Systems, Sylvania Elec. Prods.,
 Inc., Estes St., Inswich, Mass.
 NICHOLS, JACK (A'57), Instrumentation Engr., Vitro Labs.,
 Eglin AFB, Fla.
- Egiin AFB, Fla.
 NICHOLS, JAMES S. (M 54), Electronics Specialist
 (Radar), CAA, Portland Internatl, Airport, Box 1896,
 Portland, Ore.
 NICHOLS, LEWIS A. (Å '56), Regional Mgr., Tung-Sol
 Electric, Inc., 2334 Havenburst St., Dallas 34,

- NICHOLS, NATHAN P. (M'55), Pres., Nichols & Clark, Inc., Hathorne, Mass.
 NICHOLS, NATHANIEL B. (SM'53), V.P. & Chief Engr., Taylor Instrument Companies, 95 Ames St., Rochester 1, N.Y.

- N.Y.

 NICHOLS, NELSON F. (A'54). Fnor Kool Radio & TV, inc., 511 W. Adams, Phoenix, Ariz.

 NICHOLS, PAUL A. (A'54). Sales Engr., Gawler-Knoop Co., 178 Eagle Rock Ave., Roseland, N.J.

 NICHOLS, RALPH P. (A'56). Sales, Amold Engrg. Co., 49 Waltham St., Lexington, Mass.

 NICHOLS, RALPH R. (A'59), Deputy Chief, Guided Missiles Insnection, U. S. Army Ordnance Dist., 128 N. Broad St., Philadelphia, Pa.

 NICHOLS, RAYMOND L. (A'52), Tech, Publications Writer, Douglas Aircraft Co., Inc., 2000 N. Memorial Or., Tulsa, Okla.

 NICHOLS, RICHARD A. (S'52-A'53-M'59). Fnor Callin

- Or., Tulsa, Okla.

 NICHOLS, RICHARD A. (S'52-A'53-M'59), Engr., Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex.

 NICHOLS, ROBERT F. (S'55-A'59), Jr. Dev. Engr., Genl. Communication Co., Beacon St., Boston, Mass.

 NICHOLS, ROBERT F. (S'48-A'50-M'55), Components & Materials Engr., Minneapolis-Honeywell Regulator Co., 2753 4 Ave., S., Minneapolis-Honeywell Regulator Co., 2753 4 Ave., S., Minneapolis-Honeywell Regulator Co., 2753 Ave., S., Minneapolis-Borony, S. Minneapolis-Honeywell Regulator Co., 2753 Ave., S., Minneapolis-Honeywell Regulator Co., 2753 Ave., 2753 Ave.,

- Washington, D.C.
 NICHOLS, W. ROBERT (M'49-SM'56), Research Engr.,
 Douglas Aircraft Co., Tulsa, Okla.
 NICHOLS, WILLIAM A. (A'29-M'42-SM'43-F'55), Asst.
 Chief Engr., Canadian Broadcasting Corp., 5253 Decarie
 Blvd., Montreal, P.Q., Canada.
 NICHOLS, WILLIAM A. (M'57), Sect. Head, Elec. Design
 & Engrg., Upper Air Physics Branch, Naval Research Lab.,
 W.shington 25, D.C.

- W.shington 25, D.C.
 NICHOLSON, B. EUGENE (M'53), TV Receiver Design Engr., RCA, C:mden 8, N.J.
 NICHOLSON, CLIFTON L. (S'50-A'51-M'56), Lt. Col., Chief, Missile Support Lab., USAF, Rome Air Development Center, Griffiss AFB, N.Y.
- MICHOLSON, GILBERT O. (S'56-M'58), USNS Navy 117, FPO, New York, N.Y.
 NICHOLSON, TAFT (S'37-A'40-M'49), Electronics Scientist, AF Missile Development Center, Attn: MDWO, Holloman AFB, N.M.
- NICHOLSON, VICTOR (A'53), Sr. Engr., Jerrold Electronics Corp., 15 & Lehigh St., Philadelphia, Pa. NICHOLSON, WILLIAM Q. (M'50), Dir., Dev. Planning, Hallamore Electronics, 8352 Brookhurst, Anaheim, Calif. NICK, HOWARD H. (A'57), Design Engr., IBM, Pough-keepsie, N.Y.
- NICKEL, FRANK, JR. (A'3B-VA'39), Asst. Supt. Project Facilities, Western Electric Co., 120 Broadway, New York

- RICKEL, PRANK, JR. (A. 36-VA 37), Telec. Engr., RCA, Camden 2, N. J.

 NICKEL, GEORGE C., JR. (M'57), Elec. Engr., RCA, Camden 2, N. J.

 NICKEL, LYMAN (M'57-SM'59), Project Engr., Philoo Corp., 3875 Fabian Way, Palo Alto, Calif.

 NICKEL, LYMAN (M'57-SM'59), Project Engr., Douglas Aircraft Co., Sarta Monica, Calif.

 NICKEL, PHILLIP W. (5 SB-M 59), Assoc. Engr., Douglas Aircraft Co., Sarta Monica, Calif.

 NICKEL, WALTER (M'57), Elec. Engr., GE Co., Box 1598, Vandenberg AFB, Calif.

 NICKEL, WALTER S. (S'53-A'54), Sr. Elec. Engr., Hazeftire Electronics Div., 59-25 Little Neck Pkwy., Little Neck 62, L.1., N. Y.

 NICKEL, WAYNE L. (A'56-M'57), Engr., Collins Radio Co., 1930 HiLine Dr., Dallas, Tex.

 NICKELS, RICHARD S. (S'56-M'58), Elec. Engr., Melpar, Inc., 3000 Prilington Blvd., Falls Church, Va.

 NICKELS, JESSE L. (M. 59), Field Rep., Airborne Systems Dext., RCA, 224 N, Wilkinson St., Dayton, Ohio.

 NICKELSEN, JENS C. (A 39-VA'39), Tech. Dir., Norwegian Radio Mirs. Association, Ganstad alle, Blindern, Norway.

 NICKERSON, DWIGHT E. (A'59), Sr. Electronic Technician, Sylvania Elec. Profs., Inc., Waltham, Mass.

 NICKERSON, HARRY H. (A'55), Chief Engr., Chalco Engra. Corp., 15126 S. Broadway, Gardena, Calif.

 NICKERSON, JAMES F. (M. 55), Dean, Div. of Education, Montana State College, Bozeman, Mont.

 NICKERSON, PHILIP E. (S. 52-A'55-M'5B), Components Engr., Reliability Group, Westinghouse Elec. Corp., Ordnance Dept., Box 1797, Baltimore 3, Md.

- NICKLES, ROBERT W. (A 42-M 55), Genl. Mar. & Dir. of Engrg., Missouri Central Broadcasters, KFAL, 5 & Market Sts., Fulton, Mo.
 NICKLESS, HERBERT C. (A'56), Sr. Engr., Raytheon Mfg. Co., Newton, Miss.
 NICKLESS, WILLIAM H. (A'51), Mem. Engrg. Dept., Kuthe Labs., Inc., 720 S. 13 St., Newark, N. J.
 NICKSON, RICHARD W. (A'53), Research Technician Specialist, Goodyear Aircraft Corp., Massillon Rd., Akron, Ohio.
 NICODE MIS. KFITH 1 (S'51-A'52-M*57) Marm. Technical Corp. (Control of the Control of the Co

- AKTON, UNIO
 NICODEMUS, KEITH L. (S'51-A'53-M'57), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N. J.
 NICOL, RICHARD A. (M.53), Electronics Sales Engr.,
 Bendix Aviation Corp., 11600 Sherman Way, North
 Hollywood, Calif.

- Hottywood, Calif.

 NICOLA, RENATO N. (A'52-M'57), Pres., The Newton Co., 55 Elm St., Manchester, Conn.

 NICOLAIDES, MINAS E. (S'57-M'58), Flight Test Avionic Engr., Lockheed Aircraft Corp., Marletta, Ga.

 NICOLAU, NICK G. (M 57), Sr. Engr., Logic Design, Texas Instruments, Inc., 3609 Buffalo Speedway, Houston 6,
- I EX.

 NICOLL, FREDERICK H. (A'39-SM'43), Research Physicist, RCA Labs., Princeton, N. J.

 NICOLL, PHILIP A. (M'59), Research & Dev. Engr., Microwave Associates, South Ave., Burlington, Mass, NICOLOFF, CHARLES C. (M'56), Capt., USAF, Univ. of Colorado, Boulder, Colo.

- Of Colorado, Boulder, Colo.

 NICOLOSI, JOHN P. (A'54-M'55), Defense Projects Engr., Western Electric Co., 220 Church St., New York 13, N.Y. WICZKY, THOMAS A. (S'53-M'56), Assoc. Engr., Sperry Gyroscope, Great Neck, L.I., N.Y.

 NIDER, MARK E. (S'50-A'51-M'56), Chief Communications Engr., Natural Gas Pipeline Co., of America, 122 So., Michigan Ave., Chicago, III.

 NIDERMAYER, VICTOR A., JR. (S'54-A'56), Electronics Inspector "A", Polytechnic Research & Development Corp., 202 Tillary St., Brooklyn, N.Y.

 NIDEROST, CHARLES R. (S'57-M'58), Engr., Convair—Astronautics, 5510 Keamey Villa Rd., San Diego, Calif. NIDUS, LOUIS S. (A'55), Sr. Engr., ITT Labs., Nutley 10, N.J.
- NIEBUHR, JOHN E. (S'50-A'51-M'56), Sales Mgr., Electro-Pulse, Inc., 11861 Teale St., Culver City, Calif.
- NIEBUHR, KENNETH E. (S'56-M'58), 1st. Lt., USAF, Project Officer, Rome Air Development Center, Griffiss AFB, N.Y.
- NIECKULA, EDWARD W. (A'59), 536 E. 155 St., Harvey, III.

- NIECKULA LEURARD W. (K 377, 736; L 25 3 3; , Harvey, III, NIEDERMAN, BERNARD (A'45-SM'54), Sect. Head, Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, III. NIEDRAUER, JEROME J. (5'50-A'52-M'57), Sr. Research Engr., Lockheed Aircraft Corp., Summyale, Calif lectronic Data Processing, RCA, Camden, N.J. NIEHAUS, DDNALD J. (S'52-A'54), Sr. Engr., Bendix Aviation Corp., Research Labs., Box 5115, Detroit 35, Mich.
- MICLISM, ALAN H. (S'50-A'52-M'57), Dev. Engr., ITT Labs., Nutley 10, N. J. MIELSEN, B. AAGAARD (A'37), (Joint Owner), M.Sc. Elec. Engr., Radiometer, 72 Emdrupvej, Copenhagen NV, Denmark.
- Denmark.

 NIELSEN, CARL E., JR. (S'56-M'59), Sustems Engar., Hydel, Inc., 223 Crescent St., Waltham 54, Mass.

 NIELSEN, CARL E. (M'54-SM'5B), Project Mgr., Specialist, Hallamore Electronics Co., 8352 Brookhurst Ave., Anaheim, Calif.

- Calif.
 NIELSEN, DAVID B. (A'5B), Arvin Bell Co., 3B5 E. Green St., Pasadena, Calif.
 NIELSEN, EDWARD G. (S'49-A'52), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 NIELSEN, GEORGE, JR. (S'44-A'46-M'55), Engr., Bell Tel. Labs., Whippany, N.J.
 NIELSEN, GEORGE A. (A'42-M'55), Sr. Engr., The Pacific Telephone & Telegraph Co., 760 Market St., San Francisco, Calif.

- NIELSEN, JAROLD V. (A'25-VA'39-M'55), Engrg. Consultant, 11 E, 31 St., New York 16, N.Y. NIELSEN, J. OSKAR (SM'54), Prof., Telecommunications, Royal Tech. Univ., Copenhagen, Denmark.

 NIELSEN, JULIAN J. (A'43-SM'46), Group Supvr., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif. NIELSEN, J. LEWIS M. (S'52-A'53-M'57), Elec. Engr., U. S. Govt., White Sands Proving Ground, N. M. NIELSEN, MAURICE I. (S'53-A'54-M'57), Equipment Engr., Western Electric Co., Hawthome Sta., Chicago 23, III.

- III.

 NIELSEN, PETER (S'52-M'56), Engr., Grumman Aircraft
 Engrg. Corp., Bethpage, L.I., N.Y.

 NIELSEN, REINALD S. (S'50-A'51), Electronics Engr.,
 Link Aviation, Inc., Binghamton, N.Y.

 NIELSEN, RICHARD D. (S'51-A'52-M'58), Sr. Project
 Engr., Sperny Utah Engrg. Lab., 322 N. 21, W., Salt
 Lake City 16, Utah.

- Lake City 16, Utah.

 NIELSEN, RONALD G. (S'54-M'56), Electronics Engr.,
 Boeing Airplane Co., Seattle, Wash.

 NIELSON, JAMES C. (S'54-M'57), Engr., Collins Radio
 Co., Cedar Rapids, Iowa.

 NIELSON, LAMAR C. (M'56), Mgr., Plant Engrg., AlResearch Mfg. Co. of Arizona, 402 S. 36, Phoenix, Ariz.

 NIELSON, RICHARD W. (A'50-M'58), Resident Engr.,

 USAF, San Bernardino GEEIA Region, Mira Loma AF
 Sta., Calif.

 NIELSON. ROBERT M. (SI53-A'54-MIED), 223 H. MIELSON.

- Star., Calif.

 Star., Calif.

 NIELSON, ROBERT M. (S'53-A'54-M'59), 221 Hughes Ave. Gloucester, N.J.

 NIEMAN, FRANK G. (S'56-M'58), Officer, U.S. Army, Hgrs. USASATC&S, Ft. Devens, Mass.

 NIEMANN, DANIEL A. (A'59), Fire Control Technician 1st CI., USN, USS Valley Forge (CVS 45), FPO, NY.

 NIEMANN, EDWARD, JR. (A'54), Fengr., GE Co., 3198 Chesnut St., Philadelphia, Pa.

 NIEMELA, REINO J. (A'56), Sr. Installation Engr., Aero Engrg. Co., 220 Old Country Rd., Mineola, L.I., NY.

 NIEMI, LAURIE T. (A'47-M'55), Research Engr., "A."

 Boeing Airplane Co., 4734 E. Marginal Way, Seattle 4, Wash.

- NIEMI, ROY I. (A'54), Sr. Field Engr., Philico Corp., 22 St. & Lehigh Ave., Philadeiphia, Pa.
 NIEMINSKI, WALTER V. (S'53-A'54), Research & Dev., Sperng Gyroscope Co., Great Neck, L.i., N.Y.
 NIEMOLLER, J. FRITS (M'59), Sr. Computer Engr., Zenith Radio Corp., 6DO1 W. Dickens Ave., Chicago, III.
 NIENABER, FRANK, JR. (S'41-A'43-M'55), Chief Engr., Tel Vision Labs., Inc., Mill St., Waucanda, III.
 NIENALTOWSKI, WITOLD (A'44-M'47), Supvr., Electronics Standards Lab., Canadair, Ltd., Box 6087, Montreal, P.Q., Canada.

- Canada.

 NIENBURG, RAYMOND E. (M'56-SM'59), Sr. Engr.,
 IBM, Kingston, N.Y.

 NIENHAUS, HARRY A. (S'56-M'59), Electronics Engr.,
 McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

 NIENSTEDT, DONALD A. (M'58), Dev. Engr. & Group
 Leader, Aerojet Genl. Corp., 6352 N. Irwindale, Azusa,
 Calif.
- NIERMAN, LEONARD G. (A'43-M'55), Patent Lawyer, Graf, Nierman & Burmeister, 141 W. Jackson Blvd., Chicago 4, III.

- Chicago 4, III.

 NIESEN , EDWARD (A'5B), Electronics Technician, Natl.

 Bureau of Standards, Boulder, Colo.

 NIESWIADDMY, BENEDICT L. (S'57-M'5B), Test Engr.,

 Temco Aicratic Corp., Box 6191, Dallas, Tex.

 NIETO, JOSE V. (A'5B), Chief Engr., Corporacion Mercantil

 De Mexico, S.A., Pino #5BB, Mexico, D.F., Mexico.

 NIETSCH, H. ERICH (A'52), V.P., Project Development

 Robinson Technical Prods., Inc., Teterboro Air Terminal,

 Teterboro, N. J.
- NIEWENHOUS, JDHN H. (S'46-A'49-M'55), Project Engr.,
- RCA, Moorestown, N.J. NIGG, DONALD J. (A'47-M'55), Chief Engr., Electronics Bendix Aviation Corp., Box 1159, Kansas City, Moo NIGHTENHELSER, KENNETH W. (A'51-M'55), Owner, Kenneth W. Nightenhelser Electronic Service, Arcadla,
- NIGHTINGALE, ALBERT J. (S'57-M'57), Lt., Royal Canadian Corps of Signals, Dept. of Natl. Defence, Ottawa, Ont., Canada.
- Ont., Canada.

 NIGRO, A. F. (S'55-A'57-M'59). Elec. Engr., Sperry
 Gyroscope Co., Great Neck L.I., N.Y.

 NIGRO, JAMES P. (M'55), Electronics Scientist, Natl.
 Bureau of Standards, Washington 25, D.C.

 NIGUCHI, KOICHIRO (S'54-M'55), Chief Engr., Showa
 Denshi, Ltd., 1380 Kodaira-cho, Kitatama-gun, Tokyo-

- to, Japan.

 NJENHUIS, WILLEM (A'53), Research Engr., Philips Research Labs., N. V. Philips Gloeifampenfabrieken, Kastanjelaan, Eindhoven, Holland.

 NIKIRK, HARRY S. (A'54), Electronics Engr., Naval Ordnance Lab., White Oak, Md.

 NIKKEL, RUBEN F. (A'53-M'5B), Defence Scientific Service Officer, Defence Research Board, Shirley Bay Labs., Ottawa, Ont., Canada.

 NIKKEN, PETRUS H. G. (SM'54), Tech. Chp., Instituto Nacional De Obras Sanitarias, Edificio Las Mercedes, Caracas, Venezuela.
- NIK_AS, WILFRID F. (M'54), Head, Advanced Tube Cesign, The Rauland Corp., 4245 N. Knox Ave., Chicago,
- NIKOLAYUK, NICHOLAS (S'52-A'54), Engr., RCA, Camden,

- NILONENKO, PAUL V. (A'27-M'47-SM'54), Sr. Engrg. Specialist, Philoc Corp., Western Development Labs., 3875 Fabian Way, Palo Alto, Calif.
 NILES, ROBERT O. (5'55-A'56), Maint. Engr., WKBW-TV, Inc., Television Center, Buffalo 9, N.Y.
 NILL, ARMANDA. (A'46-M'55), Ingenieur Telecommunications, Service de la Navigation Aerienne, 155 Rue de la Croix, Nivert, Paris XV, Seine, France.
 NILSON, MARTIN N. (A'56), Dir., Engrg. Sales, Stanley K. Wallace Associates. Inc.. Box 67, Lutz, Fla.
 NILSON, OTTO J. (A'45), Technician, KRLD Radio Corp., Herald Sq., Dallas 2, Tex.
- NILSSEN, OLE K. (M¹57), Principal Engr., Electronic Research Scientific Lab., Ford Motor Co., Box 2053, Dearborn, Mich.

- Mich.

 NILSSEN, RAGNVALD H. (A'53-M'58), Dev Engr., Lab. for Electronics, Inc., 75 Pitts St., Boston 14, Mass.

 NILSSON, BJORN N. A. (A'46), Research Engr., Forsvarets Forskningsanstalt, Linnegatan 89, Stockholm, Sweden.

 NILSSON, BYARD G. (M'57), Patent Attomey, 408 S. Spring, Los Angeles 13, Calif.

 NILSSON, NILS J. (S'54-M'59), 1st Lt., Research Engr., USAF, Rome Air Development Center, Griffiss AFB, N.Y.

 NILSSON, WALDE H., SR. (A'54-M'58), Electronic Maint. Technician, FAA, Rapcon, Hunter AFB, Savamah, Ga.

 NIMAN, GEORGE J. (M'57), Electronics Dev. Engr., Motorola, Inc., Chicago, Military Electronics Center, 1450 Cicero Ave., Chicago, Ill.
- NIMMCKE, FREDERICK E. (A'29-M'39-SM'43), Military Dev. Engr., Bell Tel. Labs., 204 Graham-Hopedale Rd., Burlington, N.C.
- NIMMO, GARY A. (5'58-M'59), Systems Engr., Sperry Phoenix Co., Phoenix, Ariz. NIMS, ALBERT A., JR. (A'41-SM'51), Sect. Mgr., West-inghouse Elec. Corp., Box 746, Baltimore 3, Md. NINA, JOSE P. (5'48-A'52-M'56), Engrg. Duty Brazillan Navy, Attached to Philadelphia Naval Shipyard, Philadelphia, Pa.
- NINE, JERALD A. (M'58), Test Planning Engr., Western Electric Co., Graham-Hopedale Rd., Burlincton, N.C. NIPPER, JACK T. (M'58), Research Engr., Magnolia Petroleum Co., Dallas, Tex.
- NIRENBERG, ALLAN (S'51-A'52-M'58), Engr., J. Neal & Co., 3931 S.W. 5 Ter., Miami, Fla.
- NISENOFF, NORMAN (S'47-A'52-M'53), Dept. Head, Natl. Cash Register Co., S. Main & K Sts., Dayton 9, Ohio. NISH, J. GLEN (M'56-SM'59), Electronic Engr., Univ. of California Radiation Lab., Box 808, Livermore, Calif. NISHBALL, JEROME L. (A'50-M'55), Project Engr., Norden Div., United Aircraft Corp., 13210 Crenshaw Blvd., Gardena, Calif.
- NISHI, EISUKE (A'53), Hitachi, Ltd., 4 Marunouchi 1, Chiyoda-Ku, Tokyo, Japan. NISHIME, FRANK S. (M'59), MEM. Tech. Staff, Space Technolov Lahs.. Inc., Box 95001. Los Anœles 45, Calif.

- NISHIMURA, GEORGE H. (S'5D-A'52-M'57), Aviation Electronics Enor. RCA. Camden, N.J.

 NISHIMURA, HENRY G. (M'57), Electronics Engr., GE CO.,

 Ulica 4, N.Y.

 NISHIMURA, JAMES Y. (A'54), V.P., Sales, Audio Labs.,

 Inc., 808 Mohican St., Bethlehem, Pa.

 NISHIMURA, KENNETH K. (A'51), Electronics Engr., U.S.

 Naval Shipyard, Pearl Harbor, Hawaii.

 NISHIMURA, RICHARD K. (A'56), Mem. Tech. Staff, RamoWooldridge, Corp., Box 90534, Los Angeles 45, Calif.

 NISHINO, HIROSHI H. (S'46-A'49-SM'54), Systems Eng.,

 RCA, Moorestown, N.J.

 NISHINO, OSAMIL (6'46), Peri. Injury of Tabus, J. Messeyii.
- NISHINO, OSAMU (A'54), Prof., Univ. of Tokyo, 1 Motofuji-cho Bunkyo-ku, Tokyo, Japan. NISHIO, HIDEHIKO (A'51-SM'57), Chief Engr., Electron Tube Industry Div., Nipono Electric Co., 1753 Tamagawanukai, Shimonumabe, Kawasaki, Japan.

- Snimonumane, Nawasaki, Japan.
 NISHIOKA, NORMAN S. (S'57-A'59), Engr., Research,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.
 NISHIZAKI, RAY (S'55-M'58), Jr. Engr., Institute of Engrg.
 Research. Univ. of California, Berkeley, Calif.
 NISHIZAKI, TARO (A'56-M'57), Vice Dir., Radio Regulatory
 Bureau, Postal Services Ministry, Azabu-Igura, Minatoku,
 Tokyo-to, Japan.
- NISHIZAWA, JUN-ICHI (M'57), Asst. Prof., Research Institute of Electrical Communications, Tohoku Univ., Sakura-koji, Sendai, Japan.
- NISSEN, J. HAROLD (S'47-A'4B-M'53), Patent Lawyer, Haseltine, Lake & Co., 19 W. 44 St., New York 18, N.Y. NISSIM, SAMUEL (A'50-M'56), Mem, Tech. Staff, Thompson-Ramo-Wooldridge Corp., Box 5073, Terminal Annex, Denver 17, Colo.
- NISSIM, WILLIAM (A'50-M'55), Advanced Systems Design Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
- Monica, Calif.

 NISSMAN, IRWIN J. (S'55-M'57), Elec. Engr., Loral Electronics Corp.. B 25 Bronx River Ave., Bronx 72, N.Y.

 NISTERUK, CHESTER J. (S'49-A'50-M'55), Asst., Prof., Elec. Engrg., Manhattan College, Riverdale 71, N.Y.

 NISTICO, FRANK (M'56), Controls Specialist, GE Co., Cincinnati 15, Ohio.

 NISTLER, GERALD C. (S'56-M'58), 2752 Foothill Rd., Santa Barbara, Calif.

- Santa Bardara, Calir.

 NISWONGER, BARRETT, JR. (A'52), Electronics Technician,
 Burroughs Corp., 14300 Tireman, Detroit 28, Mich.

 NITCHALS, JOHN L. (A'47), AM-TV Maint, Engr., American
 Broadcasting-Paramount Theatres, Inc., 190 N. State St.,
 Chicago, III.

- Chicago, III.

 NITSCHE, JOSEPHE. (A'49-M'55), Physicist, Coming Glass Works, Coming, N.Y.

 NITSCHKE, NORMAN C. (A'52-M'57), V.P. & Head, Research Debt., Pemaglass, A St., Cenoa, Ohio.

 NITSCHKE, NORMAN E. (A'44-M'55), Dept. Mgr., Component Engrg., IBM, Kingston, N.Y.

 NITSCHKE, WILLIAM J. (S'56-M'57), Electronics Engr., Motorola, Inc., 45D1 W. Augusta Blvd., Chicago 51, III.

 NOTTOLI, ANTHONY J. (S'42-A'45-M'55), Physect Engr., (Electronics), Research & Dev. Div., Office of Naval Research, Special Devices Center, Port Washington, L.I., N.Y.

 NITZ, I. CHARLES, JR. (S'53-A'53-M'5B), Regional Applications Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
- NITZBERG, RAMON (A156), Dev. Engr., GE Co., Ithaca,

- NOAKES, GEORGE L. (S'51-A'55-M'59), Elec. Engr., RCA,
- NOAKES, GEORGE L. (S'51-A'55-M'59), Elec. Engr., RCA, Moorestown, N.J.
 NOAKES, JAMES F. (A'58), Technician, Elec. Engrg., Univ. of Manitoba, Ft. Garry, Winnipeg 9, Man., Canada.
 NOAR, RAYMONO (S'49-A'50), Research Engr., No. Amer. Aviation, Downey, Calif.
 NOBLE, DANIEL E. (A'25-SM'44-F'47), Exec. V.P. & Dir.-in-Chg., Industrial, Semiconductor & Military Electronics Divs., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51. III.
- 51. III.

 NOBLE, DAVID E. (S'51-A'54-M'48), Project Engr., Canadian Motorola Electronics, Ltd., 1D5 Bartley Dr., Toronto

 16, Ont., Canada.
- 16, Ont., Canada.

 NOBLE, DAVID S. (A'53-SM'58), Research & Dev. Engr.,
 Trionics, Inc., West Beltline Hwy., Madison, Wis.

 NOBLE, FRANK W. (A'52-M'56-SM'57), Electronics Engr.,
 Natl. Heart Institute, Bethesda 14, Md.

 NOBLE, HARRELL V. (A'34-M'35-SM'43-F'58), Cmdr.,
 USAF, Tech. Dir., Electronic Components Lab., Directorate of Labs., USAF, Wright Air Development Center, Wright
- Patterson AFB, Ohio.

 NOBLE, HARRIS L. (A'58), Instr., Capitol Radio Engrg., Institute, Washington, D.C.

 NOBLE, J. SOUTHALL (A'50), Electronics Engr., FAA, Washington 25, D.C.
- Washington 25, D.C.
 NOBLE, JAMES J. (M'53), Chief Engr., Altec Lansing Corp.,
 1515 S. Manchester Ave., Anahelm, Calif.
 NOBLE, JOHN C. (A'42-M'47), Aeronautical Research Engr.,
 Wright Air Development Center, Wright-Patterson AFB, Ohio.
 NOBLE, JOHN G. (S'57-M'58), Assoc. Engr., Northrop
 Aircraft Corp., Hawthome, Calif.
 NOBLE, LEE V. (S'55-M'56), Lt. Comdr., USN, Asst.
 Electronics Officer, Staff, Commander Operational Development
 Force, Naval Rase, Norfolk Va.

- NOBLE, MARK, JR. (S'50-A'51-M'56), Electronics Engrg. Consultant, Noble Electronics, 444 Market St., San Fran-

- NOBLE, MARK, JR. (5'50-A'51-M'56), Electronics Engrg. Consultant, Noble Electronics, 444 Market St., San Francisco 11, Calif.

 NOBLE, MILLION L. (5'51-A'57), Advanced Engrg. Program Mem., GE Co., Syracuse, N.Y.

 NOBLE, ROBERT P. (M'54), Staff Assoc., Sandia Corp., Sandia Base, Albuquerque, N.M.

 NOBLE, RODNEY B. (A'51-M'57), Sr. Dev. Engr., Allen B. DuMont Labs., Inc., 750 Bloomfield Ave., Clifton, N.J.

 NOBLES, CHARLES E. (SM'58), Project Mgr., Westinghouse Elec. Corp., Old Ft. Mead Rd., Baltimore, Md.

 NOBLES, F. LESLIE (4'54), Clark Crystal Co., 2 Farm Rd., Mariboro, Mass.

 NODA, MITSUAKI (S'555-M'5R), Mem. Tech. Staff. Space.

- Marlboro, Mass.

 NDDA, MITSUAKI (5'55-M'58), Mem. Tech. Staff, Space Technology Labs., Inc., 5500 El Segundo Blvd., Los Angeles 45, Calif.

 NDDA, TOM T. (A'53), Asst. Engr., New Mexico College of A & M, P. (A'53), Asst. Engr., New Mexico College of A & M, Physical Science Lab., State College, N. M.

 NDE, JERRE D. (S'43-M'49-SM'52), Asst. Dir., Div. of Engrg. Research, Stanford Research Institute, Stanford, Calif.

 NDE, LEO B. (S'50-A'52-M'56), Supvr., Electronic Components, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 NDEL, JOHN E. (S'57-M'58), Aeronautical Research Engr., Army Ballistic Missile Agency, Huntsville, Ala.

 NDEL, ROLAND Y. (A'52-M'58), Engr., RCA. Camden, N.J.

 NOEL ROLAND Y. (A'52-M'58), Engr., Staff Asst., ARINC Research Copp., 1700 K St., N.W., Washington 6, D.C.

 NOFFSINGER, DANIEL T. (A'51), Test Engr.

- D.C.

 NOFFSINGER, DANIEL T. (A/51), Test Engr., Sperry Utah Engrs, Lab., 322 N. 22DO W., Salt Lake City 16, Utah.

 NOFFZ, HAROLD C. (M/56), Design Engr., Burroughs Corp., 41100 Plymourh Rd., Plymouth, Mich.

 NDFREY, LOUIS C. (A/53), Mgr., Prod., Planning & Mktg. Research, GC Co., Black Canyon Hwy., Phoenix, Ariz.

 NOGES, ENDRIK (S/55-M/56), Asst. Prof., Elec. Engrg., Univ. of Washindton, Seattle 5. Wash

 NOGCLE, LUKE H. (M/58), Mgr., Professional Employment, Westinghouse Elec. Corp., Ardmore Blvd. & Brinton Rd., Pittsburgh 21, Pa.

 NOGLE, VERN (S/55-M/57), Passarch Engr., Leckhard.

- Pittsburgh 21, Pa.

 NOGLE, E. VERN (S'55-M'57), Research Engr., Lockheed
 Missile Systems Div. Box 504, Sunnyvale. Calif.

 NOGUCHI, ROBERT Y. (S'57-A'5B), Design & Dev., RCA,
 Moorestown, N.J.

 NOIZEUX, PEDRO J. (A'30-F'47), Asst. Genl. Mgr., Transradio Internacional, San Martin 379, Buenos Aires 4, Argen-
- NOJI, THOMAS T. (S'47-A'50-M'56-SM'56), Specialist Systems Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y.
- N.Y.

 NOJIMA, SUSUMU (A'59), Engrg. Dept., Anritsu Electronic Works, Ltd., No. 550, 2-chome, Tamagawayegacho, Setagaya-ku, Tokyo, Japan.

 NOLAN, CHARLES A. (S'49-A'50-M'55), Project Engr., Tektronix, Inc., Box B31, Portland, Ore.

 NOLAN, JOHN J. (A'55), Pres., John J. Nolan & Associates, 314 W. Sparks St., Philadelphia 20, Pa.

 NOLAN, JOSEPH L. (M'57), Research Engrg., Boeing Airplane Co., Seattle, Wash.

- Co., Seattle, Wash.

 NOLAN, TERRENCE H. (S'5B-M'59), Field Engr., Philco
 Tech Rep. Div., 32.8 Lehigh Ave., Philadelphia 32, Pa.

 NOLAN, WILLIAM (A'5B), Tech. Writer, Publications Dept.,
 Raytheon Mfg. Co., Wayland, Mass.

 NOLAND, ALBERT R. (S'4B-A'49-M'55), Sect. Dir, GilfilIan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

 NOLAND, J. HUBERT (SM'57), Assoc. Prof., Elec. Engrg.,
 Univ. of South Carolina, Columbia 1, S.C.

 NOLAND, JAMES A. (M'56), Sr. Engr., Sylvania Elec. Prods.
 Inc., Bayside, L.I., N.Y.

 NOLAND, JAMES W. (A'53-M'58), Mem. Tech. Staff, Space
 Technology Labs., Inc., 5500 El Segundo Blvd., Hawthome,
 Calif.

 NOLAND, J.YLF I. (S'48-A-152-M'57), Dofins Staff Die

- NOLAND, LYLE J. (S'48-A'52-M'57), Defign Staff Dir., United Control Corp., 4540 Union Bay Pl., Seattle 5, Wash, NOLD, DEAN E. (A'56), 1573 Innes, N.E., Grand Rapids,
- Mich.

 NOLD, FRANCIS D. (S'55-M'57), Sr. Engr., Martin Co.,
 Box 179, Denver, Colo.

 NDLDE, GEORGE V. (SM'5B), Project Engr., Surface & Missile Radar Engrg., RCA, 11B79 W. Olympic Blvd., Los
 Angeles 64, Calif.

- sile Radar Engrg., RCA, 11B79 W. Olympic Blvd., Los Angeles 64, Calif.

 NOLDE, ROBERT C. (M'56), Field Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 NOLEN, JOHN C. (M'57), Project Engr., Bendix Radio Div., Joppa Rd., Towson 4, Md.

 NOLEN, JOSEPH F. (A'49, Electronics Engr., 5903 Amelia St., Springfield, Va.

 NOLL, DWARD M. (A'45), Tech. Writer, Author & Consultant, Box 94, Hatboro, Pa.

 NOLL, FRANK R. (M'55), Sr. Electronic Engr., Stromberg Carlson Co., 1895 Hancock St., San Diego 12, Calif.

 NOLL, J. CRAWFORD (A'54-M'57-SM'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 NOLL, LEO J., JR. (S'55-M'57), Electronics Engr., WCTEFF. Wright Patterson AFB, Ohlo.

 NOLL, ROBERT E. (A'55-M'56), Sr. Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore, Md.

 NOLLE, WALTER S. (M'5B), Dev. Engr., Western Electric, Co., Laureldale, Pa.

 NOLLER, WALTER E. (S'3B-A'41-SM'46), Dir., Prod. Planning Lynch Carrier Systems, Inc., 695 Bryant St., San Francisco 7, Calif.

 NOLTE, LOREN W. (S'56-M'57), Grad. Research Asst., Illabs of Mischiera.
- NOLTE, LOREN W. (S'56-M'57), Grad. Research Asst., Univ. of Michigan, Ann Arbor, Mich. NOLTE, ROGER E. (M'4B-SM'56), Prof., Elec. Engrg., Missouri School of Mines & Metallurgy, Rolla, Mo.
- missouri School of Mines & Metallurgy, Rolla, Mo.
 NOLTE, URSEL C., (456-M'58), Maj., USAF, 150-A
 Luna Loop, Holloman AFB, N.M.
 NOMURA, KOSABURO (M'53), Research Scientist, Japan
 Atomic Energy Research Institute, Tokal-mura, Naka-gun,
 Ibaraki Prefecture, Japan.
- NOMURA, TATSUJI (M'55), Chief, TV Research, Tech Research Lab., Broadcasting Corp. of Japan, Tokyo,
- NONE MAN , FRANK A. (S'50-A'52-M'56), Supvy. Engr., Hazeltine Electronics , Little Neck Pkwy., Little Neck , L.I., N.Y.
- NONNEKENS, ANTHONY C. (SM'57), Consulting Engr., GE Co., Syracuse, N.Y.

- NOON, J. ROBERT (S'41-A'43-M'55), Electromec Design & Development Co., 328 N. Market St., San Jose, Calif. NOONAN, JOSEPH T. (A'50), Engr., Photon, Inc., 58 Charles St., Cambridge, Mass.

 NOONBURG, WILLIAM I., JR. (S'51-A'55), 3 Boulder Brock Or., Wilmington 3, Del.

 NOONE, JAMES R. (A'56), Test Conductor, GE Co., Box 4247, Patrick AFB, Fla.

- 4.24 / , Patrick APB, Fla.

 NORLAND, MARTINUS (A'52-SM'55), Tech. Dir.,

 Rototest Labs., Inc., 2803 Los Flores Blvd., Lymwood,

 Calif.

 NOPPER, CARLTON G. (A'51), Chief Engr., The A. S.

 Abell Co., WMAR-TV, Charles & Redwood Sts., Baltimore

 3, Md.

- 3, Md.

 NORANS, MAIGONIS (S'53-M'56), Design Engr., Lockheed
 Missile Systems Div., Sunnyvale, Calif.

 NORBERG, LOREN R. (M'52), Engrg. Asst., Public
 Service Co. of Northern Illinois, Swift Rd., Lombard, III.

 NORBY, HAROLD A. (A'46-M'55-SM'55), Sr. Mem. Tech.
 Staff, Space Electronics Corp., 1200 Air Way, Glendale,
 Calif.
- NORBY, MELVIN E. (M156), Assoc. Engr., IBM, San Jose, Calif.
- Jose, Calif.

 NORCOM, GEORGE J. (M'59), Pres., Norcom Communication
 Co., 405 Sterling Point Dr., Portsmouth, Va.

 NORCROSS, JOSEPH S., JR. (A'56), Research Sect. Mgr.,
 Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa

 NORD, GORDON L. (M'53), Exec., Schauer Mfg. Corp.,
 4500 Alpine Ave., Clncinnati, Ohio.

 NORD, HANS H. (S'47-A'48-M'53), Project Engr.,
 Foto Video Labs., Inc., 36 Commerce Rd., Cedar Grove,
 N.J.

- Foto Video Labs., Inc., 36 Commerce Rd., Cedar Grove, N.J.

 NORD, RICHARD F. (S'57-M'58), Elec. Engr., Raytheon Mfg. Co., Newton, Mass.

 NORD, ROBERT H. (S'44-A'48-M'49), Sect. Head. Transmitters, Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 NORDAHL, JOHN G. (A'27-M'38-SM'43), Military Dev. Engr., Bell Tel. Labs., Whippany, N.J.

 NORDAHL, JOHN G. (S'54-M'56), Dev. Engr., Epsco, Inc. 275 Massachusetts Ave., Cambridge, Mass.

 NORDBUSCH, JOHN L., JR. (A'56-M'57), Leader, Instrumentation Control, RCA Service Co., Patrick AFB, Fla.

 NORDBY, KNUT S. (A'55), Assoc. Engr., IBM, Zurichstr, 108, Adliswill, Zurich, Switzerland.

 NORDBY, ROGER M. (A'51-SM'55), Advanced Dev. Engr., Zenith Radio Corp., 6001 W. Dickens, Chicago, Ill.

 NORDE, LESLIE (A'44-SM'52), Sect. Head, Motorola Research Labs., Inc., 3102 N. 56 St., Phoenix, Ariz.

 NORDENBERG, HAROLD M. (S'51-A'52-M'56), Head, Parl Unit, Bureau of Ships, Navy Dext., 18 & Constitution Ave., Washington, D.C.

 NORDLIN, HENRY G. (SM'54), Exec. Engr., ITT Labs., Nutley 10, N.J.

 NORDLING, KARL I. (A'58), Asst. Engr., Burroughs Corp., Paoli, Pa.
- NORDLING, KARL I. (A158), Asst. Engr., Burroughs Corp., Paoli, Pa.
- NORDLING, KARL I. (A¹58), Asst. Engr., Burroughs Corp., Paoli, Pa.
 NORDLING, WIKTOR K., JR. (S¹53-A¹54-M¹57), Test Engr McDonnell Aircraft Corp., St. Louis, Mo.
 NORDLOEF, ANDREW E. (M¹59), Testing Engr., Magnetic Prods. Lab., Minnesota Mining & Mfg. Co., 400 McKnight Rd., St. Paul 6, Minn.
 NORDLUND, RAYMOND J. (M¹46-SM¹50), Tech. Dir., Weaj ons Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
 NORDMAN, EBERHARD G. (S¹57-M¹58), Engr., Curtiss-Wright Corp., 631 Central Ave., Carlstadt. N.J.
 NORDMAN, OTTO D. (S¹57-M¹58), Assoc. Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 NORDMANN, FRED M. (M¹58), Engr., Designer B, Boeing Airplane Co., Seattle, Wash.
 NORDQUIST, PAUL J. (S¹53-M¹57), Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
 NORDSETH, MARVIN P. (S¹43-A¹45-M¹55), Electronics Scientist, Naval Ordnance Lab., Corona, Calif.
 NORDSTROM, B. H. (A¹30-SM¹46), Mem. Tech. Staff, Bell Tel. Labs., Wrippany, N.J.
 NORDSTROM, DON R. (S¹55-M¹57), Electronics Engr., Wee ons Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
 NORDSTROM, GORDON J. (S¹44-A¹46-M¹51-SM¹57), Englished Aircraft Co., Box 90902, Los Anneles 45, Calif.

- ons Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 NORDSTROM, GORDON J. (S'44-A'46-M'51-SM'57), Engithughes Aircraft Co., Box 90902, Los Angeles 45, Calli, NORDSTROM, JOANNE E. (A'58), 2753 4 Ave., S. Minneapolis 8, Minn.
 NORDYKE, H. WILLIAM, JR. (S'47-A'49-M'55), Engrg. Coordinator, Banking, IBM, Poughkeepsie, N.Y.
 NORES, RUDOLPH P. (M'58), Pres., Radio Servlce, Inc., 106 East St., Tampa 2, Fla.
 NORGAARD, AKSEL K. (A'55), Elec. Engr., STORNO, Ved Amagerbanen 21, Copenhagen S., Denmark.
 NORGAARD, DONALD E. (S'36-A'38-SM'52), Engr., Hewlett Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 NORIAN, ROBERT (S'56-M'57), Computer Engr., 18M, Poughkeepsie, N.Y.
 NORIEGA, JESSE R. (M'56), Sr. Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 5, Ohio.
 NORKIN, HARRY (S'49-A'51-M'56), Nuclear Control Engr., Combustion Engrg., Inc., Prospect Hill Rd., Windsor, Conn.
 NORKUS, 8, S. (A'45-M'52), Supvr., Chance-Vought
- Windsor, Conn.
 NORKUS, 8, S. (A'45-M'52), Supvr., Chance-Vought
 Aircraft, Box 5907, Dallas, Tex.
 NORLUND, BENT (M'56), Sr. Engr., National Co., Inc.,
 61 Sherman St., Malden 48, Mass.
 NORMAN, CHARLES F. (S'56-M'57), Elec. Engr., ARO,
 Inc., Tullahoma, Tenn.
 NORMAN FOGAR R. (A'5R), Engro. Technician, 8, C. Lei

- NORMAN, CHARLEST.

 Inc., Tullahoma, Tenn.

 NORMAN, EDGAR R. (A'58), Engrg. Technician, 8. C. Lee
 Co., 2226 W. 10 Ave., Vancouver, 8. C., Canada.

 NORMAN, FRANK H. (A'43-M'55), Tech. Staff, RCA Labs.
 David Sarnoff Research Center, Princeton, N. J.

 NORMAN, HOWARD W. (A'54), Dev. Engr., Motorola, Inc.,
 5005 E. McDowell Rd., Phoenix, Ariz.

 NORMAN, JAMES E. (M'52), Chief, Missile Electronics
 Lab., OML Div., Army Rocket & Guided Missile Agcy.,
 Redstone Arsenal, Huntsville, Ala.

 NORMAN, JOHN C. (S'58-M'59), Elec. Engr., Maico
 Electronics, Inc., 123 N. 3rd St., Minneapolis 1, Minn.
 NORMAN, LEWIS S., JR. (S'50-A'51-M'56), Lt. Col.,
 USAF, Chief, Astro Vehicles Div., Military Space
 Systems, Air Force Ballistic Missile Div., Air Force Unit
 P.O., Los Angeles 45, Calif. P.O., Los Angeles 45, Calif.

- NORMAN, NATHANIEL C. (M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. NORMAN, OLAF A. (M'56), Special Service Engr., Wisconsin Telephone Co., 740 N. Broadway, Milwaukee, Wis.
- Wisconsin Telephone Co., 740 N. Broadway, Milwaukee, Wisconsin Telephone Co., 740 N. Broadway, Milwaukee, Wisconsin Telephone Co., 740 N. Broadway, Milwaukee, Wisconsin Telephone, Milwaukee, Mil

- Dundas St., London, Ont., Canada.

 NORRIS, FERRIS W. (A'30-M'33-SM'43), Prof., Chmm., Elec. Engro, Dext., Juliv. of Nebraska, Lincoln B, Neb., NORRIS, NEIL J. (S'49-A'51), Electronics Engr., Applied Radiation Corp., 2404 N. Main St., Walnut Creek, Calif.

 NORRIS, PETER P., JR. (S'55-A'56), Electronics Technician, Firestone Tire & Rubber Co., 2525 Firestone Blvd., South Gate, Calif.

 NORRIS, RAYN. (S'49-A'51), Engr., Westinghouse Elec. Corp., Box 746, Baltimorc 3, Md.

 NORRIS, RICHARD F. (M'57), Guided Missile Systems Engr., Vitro Corp., of America, 14000 Georgia Ave., Silver Spring, Md.

 NORRIS, RODNEY M. (S'48-A'49-M'55), Project Mgr.,

- NORRIS, RODNEY M. (S'48-A'49-M'55), Project Mgr., Engrg., Lear, Inc., Astronics Div., 3171 S. Bundy Dr., Santa Monica, Calif.

- Engrg , Lear , Inc. , Astronics DIV. , 31/1 S , Bundy Dr. ,
 Santa Monica , Calif

 NORRIS , RUSSELL S , (M'56) , Haller , Raymond & Brown ,
 Inc. , State College , Pa.

 NORRIS , SAM E , (A'47-M'55) , Pres , Chmn , of Bd. ,
 Nuclear Corp , of America , 400 Park Ave , New York , N. Y.

 NORRIS , V. LEE (A'55) , Sr , Engr , Westinghouse Elec ,
 Corp . Friendship Internat! , Airport , Baltimore 27 , Md ,
 NORRIS , WILLIAM E , (M'49) , Assoc , Prof . Elec , Engr ,
 U , S. Naval Postgraduate School , Monterey , Calif ,
 NORRIS , WILLIAM E , (S'51-A'52-M'57) , Project Supvr ,
 Well Surveys , Inc. , Box 2656 , Tulsa , Okla ,
 NORRIS , WILTON J , (A'52-M'58) , District Toll Plant Supt ,
 Michigan Bell Tel , Co. , 118 Clifford St. , Detroit 26 , Mich
 NORSELL , HOWARD C , (S'49-A'50-M'55) , Sr , Engr ,
 Litton Industries , 10916 W . Washington Blvd , Culver ,
 City , Calif .

 NORSELL , PAUL E . (S'54-A'55) , Mem , Tech , Staff ,

- City, Calif.

 NORSELL, PAUL E. (S'54-A'55), Mem, Tech, Staff, Hughes Aircraft Co., Culver City, Calif.

 NORTH, DONALD K. (A'58), Electronics Technician, MIT, Cambridge 39, Mass.

 NORTH, DONALD O. (A'57), Physics Instr., Menlo School & College, Menlo Park, Calif.

 NORTH, DWIGHT O. (A'35-M'38-SM'43-F'43), Fellow, Tech, Staff, RCA Labs., Princeton, N. J.

 NORTH, FRANK J. CA'54), Elec. Engr., (Components), Rome Air Development Center, Griffics AFB, N. Y.

 NORTH, HARPER Q. (A'51-SM'51-F'57), Pres., Paclfic Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.

 NORTH, MARCUS E. (M'58), Fact. Texas Leathers.
- NORTH, MARCUS E. (M'58), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex., NORTH, NORMAN B. (S'54-M'57), Equipment Engr., Douglas Aircraft Co., Inc., Box 329, Sacramento, Calif. NORTH, RICHARD C., JR. (A'45-M'53), Engro, Instr., CAA, Aeronautical Center, Oklahoma City, Okla.
- NORTH, ROBERT L. (S'57-M'59), 2nd. Lt., USAF, Wright-Patterson AFB, Ohio.

- Wright-Patterson AFB, Ohio.

 NORTH, ROGER L. (5 42-A+53-M+59), Engr., Bendix
 Prods. Co., 400 S. Beiger, Mishawaka, Ind.

 NORTH, SAFFORD M. (5 50-A+51-M+56), Dev. Engr.,
 GE Co., Syracuse, N.Y. (M+56), Test Engr., Western
 Electric Co., Burlington, N.C.

 NORTHEN, WILLIAM C. (M+56), Prod. Control Rep., IBM,
 112 E. Post Rd., White Plains, N.Y.

 NORTHFIELD, WILLIAM E. (5 156-M+58), V. P., The
 Northfield Co., 2316 Jefferson St., Minneapoolis 18,
 Minn.

 NORTHRIP DAVID T. (5 15-M+58), Intermediate Fingr.
- NORTHROP, DAVID T. (\$'57-M'58), Intermediate Engr.,
 Allen 8, DuMont Labs., Inc., 35 Market St., East
 Paterson, N.J.

- Allen 8, Dumont Labs., Inc., 35 Market St., East Paterson, N.J.

 NORTHROP, PAUL A. (A'36-VA'39-M'55), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 NORTHROP, ROBERT B. (S'56-M'57), Research Asst., Elec., Engrg., Dept., Univ. of Connecticut, Storrs, Conn. NORTHRUP, CARL D. (A'54), Administrative Asst., IBM, Poughkeepsie, N.Y.

 NORTHRUP, RICHARD M. (S'57-M'59), Systems Engr., Link Aviation, Inc., Hillcrest, Ringhamton, N.Y.

 NORTHRUP, ROBERT M. (A'55), Sr. Engr., Sylvania Electronic Tubes, Emporium, Pa.

 NORTMAN, JAMES J. (M'57), Design Engr., IBM, Poughkeepsie, N.Y.

 NORTON, CHARLES T. (SM'56), Mech. Consultant, Electronics Lab., GE Co., Syracuse, N.Y.

 NORTON, CLYDE A. (SM'55), Chief, Patent Dept., Sperry-Rand Corp., Wilson Ave., South Norwalk, Conn.

 NORTON, EDWARD L. (SM'55), Subdept. Head, Bell Tel.

- RAING COTP., WIISON AVE., SOUth Norwalk, Conn. NORTON, EDWARD L. (SM 54), Subdept. Head, Bell Tel. Labs., Murray Hill, N. J. NORTON, EUGENE A. (SM 57), Sr. Engr., ITT Labs., Nutley 10, N.J.
- NORTON, FRANK R. (A'31-M'40-SM'43), Tech. Dir., Denver Labs., Ramo-Wooldridge Corp., Box 5073, Denver 17, Colo.

- NORTON, GARDNER A. (M'58), Sr. Staff Scientist, Re-search Advanced Dev., Avco Mfg. Com., Lowell St., Wil-mington, Mass. NORTON, HARRY N. (A'43-S'49-A'51-M'51), Sr. Flight Test Instrumentation Engr., Convair-Astronautics, San Diego 12, Calif.

- Diego 12, Calif.

 NORTON, JAMES S. (SM'56), Mgr., Electronics Dext., Univ. of California Radiation Lab., Berkeley 4, Calif.

 NORTON, JOHN L. (S'54-M'55), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.

 NORTON, JOHN M. (A'47-M'56), Resident Mgr., Spring Street Research Lab., IBM, Ossinina. N.Y.

 NORTON, JOSEPH A. (A'52-M'56), V. P., Computing Oevices of Canada, Box 508, Ottawa. Ont., Canada.

 NORTON, KENNETHA. (A'29-M'38-SM'43-F'43), Chief, Radio Propagation Engrg. Div., Natl. Bureau of Standards, Boulder, Colo.

- Radio Propagation Engrg, Div., Natl. Bureau of Standards, Boulder, Cofo.

 NORTON, MAHLON H. (S'43-A'48-M'55), Head, Instrumentation & Reliability Dept., Booz-Allen Applied Research, Inc., 408 W. Main, Fairborn, Ohio.

 NORTON, MARVIN L. (M'59), Jr. Elec. Engr., ITT Labs., Nutley 10, N. J.

 NORTON, MARVIN L. (M'59), Jr. Elec. Engr., Norton Associates, Inc., Box 96, Garden City, L. I., N. Y.

 NORTON, RAVMOND (A'44), Div. Engr., Triangle Publications, Inc., 46 & Market Sts., Philadelphia 39, Pa.

 NORTON, RAYMOND M. (S'57-M'56), Mør., Special Accounts, T. P. Marketing, RCA Victor Co., Ltd., 1050
 Lacasse St., Montreal, P. Q., Canada,

 NORTON, NEPHEN G. (S'56-M'58), Electronics Engr., Grumman Aircraft Engrg, Corp., Bethpaee, L. J., N. Y.

 NORVELL, ERNEST W. (A'54), Partner, Norvell Associates, 3603 Lemmon Ave., Dallas 19, Tex.

 NORVELL, KENNETH A. (A'51-M'56), Partner, Norvell Associates, 3603 Lemmon Ave., Dallas 19, Tex.

 NORVELL, HERBERT D. (M'57), Child M'56), Partner, Norvell Associates, 3603 Lemmon Ave., Dallas 19, Tex.

 NORVIEL, HERBERT D. (S'50-M'57), Chief, Logistics & Support Sect., AVCO Mfg. Co., 201 Lowell St., Wilmington, Mass.

 NORVIEL, KENDERICK J. (S'40-A'41-SM'54). Prof.
- Mass., NOS mig. Co., 201 Lowell St., Wilmington, NORVIK, FREDERICK J. (S'40-A'41-SM'54), Prof., Rensselaer Polytechnic Institute, 110 8 St., Troy, N.Y. NORWALT, ROBERT H. (A'56), Engr., Magnavox Research Corp., 2131 Stoner, Los Angeles 25, Calif. NORWINE, A. COURTNEY (SM'46), Mem. Tech. Staff, Bell Tel, Labs., Murray Hill, N.J. NORWOOD, CHARLES A. (A'47-M'55-SM'58), Project Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

- N.C.,
 NORWOOD, LAWRENCE R. (SM'56), Staff Engr., Hughes
 Aircraft Co., Culver City, Calif.
 NORWOOD, VIRGINIA T. (A'54-5M'57), Mem. Tech. Staff,
 Hughes Research & Development Labs., Culver City, Calif.
 NORWOOD, WARREN R. (S'55-A'56), Electronics Engr.,
 Stromberg Carlson Co., 1400 N. Goodman St., Rochester
 3, N. Y.

- Stromberg Carlson Co., 1400 N. Goodman St., Rochester 3, N. Y.

 NOSAL, PAUL (M'54), Design Supvr., Hazeltine Electronics Corp., 59-25 Little Neck Pkwy., Little Neck, L.I., N. Y.

 NOSKER, PAUL W. (SM'56), Asst. Chief, System Dynamics Branch, Aeronautical Research Lab., Wright Air Development Center, Wright-Patterson AFB, Dhio.

 NOSKOWICZ, THEODORE S. (A'50-M'55), Chief Flinishing Process Engr., The Rauland Corp., 4245 N. Knox Ave., Chicago 41, III.

 NOSLEY, CHARLES C. (S'55-M'58), Project Engr., Sundstrand Aviation, 2421 11 St., Rockford, III.

 NOSSEN, EDWARD J. (S'53-A'54), Systems Engr., Airborne Radar & Missile Engrg., RCA, Camden 2, N.J.

 NOTAR, CHARLES A. (S'54-A'54), Systems Engr., AirConvair-Astonautics, Edwards AFB, Muroc, Calif.

 NOTESTINE, DELMAR D. (M'58), Electronics Engr., AirTech. Intelligence Center, Wright-Patterson AFB, Ohio.

 NOTHMAN, MICHAEL H. (M'57), Project Engr., Gliffillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

 NOTT, JOHN H. (M'57), Engr., WTVT, 3213 Gr. Central, Tampa, Fla.
- NOTTHOFF, ARTHUR P., JR. (S'45-A'49-M'55), Mgr., Servo Engrg., Dalmo Victor Co., 1515 Industrial Way, Belmont, Calif.

- Belmont, Calif.

 NOTTINGHAM, WAYNE B, (A'37-SM'46-F'56), Prof., Physics, MIT, Cambridge 39, Mass.

 NOTVEST, RICHARO A, (S'53-M'55), Mem, Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 NOTZ, WILLIAM A, (A'53-M'56), Electronics Scientist, Data Processing Systems Div., Natl. Bureau of Standards, Washington 25, D.C.

 NOUEL, CORNELIO C. (A'58), Box. 6, Laguaira, Venezuela.

 NOURSE, ROBERT B. (S'50-A'52-M'56), Water & Power Dept., City of Los Angeles, Box 3669, Terminal Annex, Los Angeles 54, Calif.

 NOVACEK WILLIAM C. (S'55-M'57), Flac. Eng., Caranio.
- NOVACEK, WILLIAM G (S'55-M'57), Elec Engr., Sprague Electric Co., Marshall St., North Adams, Mass. NOVAK, EDWARD K. (A'52-M'56), Sr. Electronics Engr., Convair, San Diego, Calif.
- NOVAK, GEORGE (M'56), Design Engr., RCA, Harrison,
- N.J.
 NOVAK, JAMES F. (M'55), Sr. Design Engr., Jensen
 Mfg. Co., 6601 S. Laramie, Chicago 38, III.
 NOVAK, PETER D. (S'56-M'5B), Elec. Engr., Motorola,
 Inc., 4545 W. Augusta, Chicago, III.
 NOVAK, ROBERT L. (M'59), Coil Engr., GE Co., Syracuse, N. Y.
- cuse, N. Y.

 NOVAK, WARREN D. (S'47-A'50-M'55), Staff Mem,
 Genl, Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.

 NOVAKOVSKY, SERGEL V. (A'56-SM'59), Chief of Research Group, Ministry of Communications, Gorky St., 7,

 Moscow, J. S. S.

 NOVEKO, NIKOLI (S'58-A'58), Electronics Technician,
 Bogue Electric Mfg. Co., Paterson, N. J.

 NOVEMBER, FREDERICK D. (S'51-A'55), Asst. Project
 Administrator, Hazeltine Electronics Corp., Little Neck 62,
 L. I. N.Y.

 NOVEMBER PETER M. (S'56-M'59), Electronics Corp.

- L.I., N.Y.

 NOVEMBER, PETER M. (S'56-M'58), Engr., Sperry Gyroscope Co., Great Neck, L. I., N.Y.

 NOVER, EDWARD P. (S'56-M'5B), U. S. Army, 68th Sig. Co., Ft. Huachuca, Ariz.

 NOVICK, GABRIEL (S'47-A'49-M'55), Mem. Tech.

 Staff, GE Microwave Lab., Palo Alto, Calif.

NOVICK, MURRAY (S'54-M'57), Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y NOVICK, PHILIP B. (M'5B), Elec. Engr., Airbome Instru-ments Lab., 1101 Stewart Ave., Garden City L.I., N.Y. NOVICK, ROBERT (S'44-A'46-M'55), Asst. Prof., Phys-ics, Univ. of Illinois, Urbana, III.

NOVICK, WILLIAM (M'56), Engr., Aircraft Radio Corp.,

NOVIK, WALTER (S'49-A'52-M'57), Elec Lengr., Dept. of Hospitals, Bureau of Engrg. & Design, 23B William St., New York 3B, N.Y.

NOVIKOFF, EUGENE B. (S'43-A'45-M'51), Dir., Engrg., Instruments for Industry, Inc., 101 New South Rd., Hicks-ville, L. 1., N. Y. NOVIKS, BORIS (A'39-M'55), Registered Patent & Trade Mark Agent, Lavalle 17B3, Buenos Aires, Argentina

NOVO, RAMON B. (S'50-A'51-M'56), Electronics Engr., Sylvania Elec., Prods., Inc., 175 Great Arrow Ave., Buffalo 7, N., Y.

Sylvalida Elec. Probs., Inc., 175 Great Arrow Ave.,
Buffalo 7, N. Y.

NOVY, CLARENCE A. (M'56), Systems Engr., Motorola,
Inc., 1400 N, Cicero Ave., Chicago 51, III.

NOVY, FRNEST W. (A'44-M'44), Sr. Engr., Natl., Lead
Co. of Ohio, Fernald, Ohio.

NOVY, JOSEPH F. (A'36-M'41-SM'43), Pres & Genl.
Mgr., WJOL, Inc., 601 Walnut St., Joliet, III.

NOWAK, MICHAEL, JR. (A'56), TechRep., Madigan
Communication & Electronic Corp., 526 Mineola Ave.,
Hicksville, L.1., N.Y.

NOWAK, ROBERT F. O. (S'48-A'50-M'55), 10936 Gerald Ave., Granada Hills, Calif.

NOWAKOSKI, DONALD B. (A'53-M'54), Chief, Surface
Communications Branch, Aero-Electronics Directorate, Hgrs.,
ARDC, USAF, Andrews AFB, Washington 25, D. C.

NOWALK, THOMAS P. (M'57), Design Engr., Westinghouse
Elec. Corp., Youngwood, Pa.

NOWICKI, JEROME J. (A'45), Asst. Supv., TV, WBEN,

Elec, Corp., Youngwood, Pa.

NOWICKI, JEROME J. (A'45), Asst. Supvr., TV, WBEN, inc., Hotel Statler, Buffalo 2, N. Y.

NOWICKI, JERZY R. (A'54), Electronics Engr. & Tech.
Asst., Mullard Radio Valve Co., Ltd., Milbrook industrial Estate, Southampton, England.

NOWLIN, DUARD K. (A'53), Chief, Inspection Sect., AEC, Sandia Base, Albuquerque, N. M.

NOWOGRODZKI, MARKUS (S'47-A'49-M'55), Mgr., Microwave Tube Dev., RCA, Harrison, N. J.

NOYCE, ROBERT N. (M'56), V. P. & Genl. Mgr., Fairchild Semiconductor Corp., 844 Charleston Rd., Palo Alto, Calif. child Calif

NOYE, PAUL R. (M'54), Dir. & Owner, Noye Labs., 645 Sheridan Dr., Tonawanda, N. Y. NOYER, ROBERT O. (M'53-SM'57), Tech Mgr., Burroughs Corp., 511 N. Broad St., Philadelphia 23, Pa.

NOYES, ARTHUR E. (S'52-A'53-M'5B), Sr. Electronics Engr., Cubic Corp., 5575 Kearny Villa Rd., San Diego 11, Calif.

NOYES, ATHERTON, JR. (SM'47), Dir., Research & Dev., Aircraft Radio Corp., Boorton, N. J. NOYES, BURTON I. (M'5B), Engr., Sylvania Elec. Prods., Inc., Woburn, Mass.

NOYES, BURTON I, (M'5B), Engr., Sylvania Elec., Prods., Inc., Woburn, Mass.
NOYES, JAME S E. (S'50-A'51-M'56), Engr., GE Co., Syracuse, N. Y.
NOYES, JOHN F. (S'55-M'57), Engr., Bell Tel. Co. of Canada, Montreal, P. Q., Canada, Montreal, P. Q., Canada, Tel.
NOZICK, SEYMOUR (A'49-M'55), Hughes Aircraft Co., Tucson Engr., Lab., Tucson, Ariz.
NOZIERES, HENRI (A'54), Dir., Electronic Tubes Factories, La Radiotechnique, S. A., 51 Rue Carnot, Suresnes (Seine), France.
NUBAN, EBRAHIM (S'49-A'52-M'56), Project Engr., Electronic Control Systems, 2231 S. Barrington Ave., West Los Angeles, Calif.
NUBER, SIGFRIDO E. (A'57), Research Engr., Ford Motor Co., Box 2053, Dearborn, Mich.
NUCCI, EL IDIO J. (SM'57), Coordinator of Reliability, Office of Control Systems, 1971 Confinator of Reliability, Office of Control Systems, 1971 Control Research & Engr., Washington 25, D.C.

NUCEFORA, MARIO A. (M'56), Sr. Electronics Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass. NUCKOLLS, JOE A. (S'56-M'5B), Engr., Radlation, Inc., Melboume, Fla.

Melboume, Fla.
NUCKOLLS, RICHARD G. (A'39-SM'4B), Prof., Physics,
Kansas State College of Pittsburg, Pittsburg, Kan.
NUESE, CARLOS (M'56), Electronics Scientist, Code
2746, USN Electronics Lab., San Diego 52, Calif.

NUGENT, JAMES A. (A'55), Chief, Quality Control, Airpax Electronic, Inc., 6601 N. W. 19 St., Ft. Lauderdale, Fla.

Fla.

NUGENT, JDHN A. (M'56), Sect. Head, Stromberg-Carlson
Co., 1400 N. Goodman St., Rochester 9, N. Y.

NUGENT, THOMAS J. (M'57), Electronics Engr., Univ. of
California Radiation Lab., Box DBB, Livermore, Calif.

NUGENT, WILLIAM R. (S'53-A'55-M'59), Systems Engr.,
Itek Corp., 700 Commonwealth Ave., Boston, Mass.

NULL, FAY E. (A'53), Physicist, Air Proving Ground Center,
Eglin AFB, Fla.

NUMANN, GUY W. (A'57), Electronics Engr., StrombergCarlson Co., 1400 N. Goodman St., Rochester, N.Y.

NUMOTO, MINORU (M'52), Japan Avia, Elecs, Ind., Ltd.,

NUMOTO, MINORU (M'52).

NUMOTO, MINORU (M'52), Japan Avia. Elecs. Ind., Ltd., 1753 Tamagawamukai, Shimonumabe, Kawasaki City, Kanagawa Pref., Japan.

NUMRICH, FRED H. (SM'56), Dev. Engr., ITT Labs., Nutley 10, N. J. NUMRYCH, EDWARD C. (S'53-M'56), Specialist, Prod. Planning & Application Engrg., GE Co., Schenectady, N. Y.

Planning & Application Engry., dc. Co., Scienectary, N. Y.

N. Y.

N. Y.

NUNAMAKER, THOMAS A. (M'5B), 506 Halsey Ave., San Jose 2B, Calif.

NUNAN, CRAIG S. (SM'54), Mor., Accelerator Dept., Varian Associates, Palo Alto, Calif.

NUNAN, J. KNEELAND (A'41-M'55), V. P., Electronics, Clevite Corp., 17000 St. Clair, Clevelendand 10, Ohio.

NUNAN, KENNETH W., SR. (S'47-A'49), Audio Tech-TV, CBS, 4B5 Madison Ave., New York 23, N. Y.

NUNEZ, A. CARLOS (S'46-A'4B-M'51), Chief Internatl. Affairs Dept., Dir. Geni. de Telecomunicaciones, S. C. T., Apdo. 26009, Mexico D. F. 12, Mexico.

NUNLEY, LEONARD J. (S'55-M'56), Electronics Design Engr., Convair, Box 74B, Rt. Worth, Tex.

NUNLEY, WILLIAM (S'5B), Sr. Prod. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

NUNN, EDWIN C (S'44-A'47-M'55), Chief Engr., Minco Prods., Inc., 740 Washington Ave., N., Minneapolis 1, Minn.

NUNN, EWING D. (M'49), Pres., Northern Signal Co., Inc., Saukville, Wis

NUNN, WALTER M., JR. (M'54-SM'55), Research Assoc., Engrg. Research Institute, Univ. of Michigan, Ann Arbor, Mich.

NUNN, WILLIAM A. (A'51), Radio Sta. CFPL-TV, London,

Ont., Canada,
NUNNER, ROBERT J. (S'41-A'43-M'45), Design Engr.,
Boeing Airplane Co., Box 3707, Seattle 24, Wash.
NUNZIATA, ANTHONY (S'55-A'56), Lab. Technician, Avion
Div., ACF Industries, 11 Park Pl., Paramus, N. J.
NUPP, WARREN D. (A'45), Electronics Scientist, U. S.
Naval Air Development Certer, Johnsville, Pa.
NURMELA, GEORGE E. (A'43), 261 Jordan Ct., Los Altos,
Calif.

NURMI, LEO 0. (M'56), 2B1 E. 216 St., Euclid 23,

NURNBERG, RICHARD K. (S'51-A'55), Sr. Engr., Lansdale Tube Co., Spring City, Pa. NURRE, HARRY H., JR. (S'4B-A'50-M'55), Elec. Engr., Harris Mfg. Co., B031-35 Litzinger Rd., St., Louis 17,

NURULLAH, ABUSADEQUE S. M. (S'54-A'56), Exec. Engr., Design Div., Electricity Directorate, 125 Motifheel Rd., Ramna, Dacca, Pakistan.

Rd., Ramma, Dacca, Pakistan,

NUSSBAUM, ALLEN (A'54), Research Physicist, Honeywell Research Center, Hopkins, Minn.

NUSSBAUM, ERIC (S'54-M'57), Assoc, Staff Mem., Genl. Precision Lab., 63 Bedford Rd., Pleasantville, N. Y.

NUSSBAUM, MILTON (A'54), DIV. Head, Antenna & Milcrowave Div., American Electronic Labs., Inc., Box 552, Lansdale, Pa.

NUSSBAUM, ORIS N. (A'54), Prod. Engr., Westport Electric Co., 149 Lomita, El Segundo, Calif.

NUSSAUM, ROBERT E. (S'56-M'5B), Field Engr., Hughes Aircraft Co., Culver City, Calif.

NUSCHER, LAWRENCE E. (A'5B), Radio & Elec. Aircraft Inspector, United Airlines, Inc., Idlewild Aliport, Jamaica, L.1., N. Y.

NUSS, HARRY C. E. (S'52-A'54-M'59), Assoc. Engr.,

NUSS, HARRY C. E. (S'52-A'54-M'59), Assoc. Engr., IBM, Owego, N. Y.
NUSS, RAYMOND J. (A'52), Jr. Div. Engr., Goodyear Aircraft Corn., 1210 Massillon Rd., Akron 15, Ohlo.
NUSSEAR, JOHN G. (SM'5B), Chief Design Engr., Semiconductor Div., Tung-Sol Electric, Inc., East Orange, N. J.

N. J.
NUTT, JOHN H. (A'53), Mng. Partner, Nutt Bros., Pres.,
JHN Engrg., Inc., 151B Paloma, Los Angeles 21, Calif.
NUTTALL, ALBERT H. (S'54-M'59), 7 Oakledge St.,
Arlington 74, Mass.
NUTTALL, ARCH F. (S'4B-A'50), Commercial Mgr., AT&T
Co., 1139 Hurt Bidg., Atlanta, Ga.
NUTTALL, EDWIN D. (M'4B-SM'56), Supvr., Electronics
Sect., Research Dept., United Gas Corp., Box 1407,
Shreveport, La.

Shreveport, La.

HTALL, HUBERT V. (A'53-SM'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

NUTTALL, JAMES E. (S'56-M'5B), Physicist, Communications Engr., Arkansas Louisiana Gas Co., Box 1734, Shreveport, La.

Shreveport, La.

NUTTALL, WILLIAM D. (S'55-M'59), Jr. Engr., Boeing Airplane Co., Seattle, Wash.

NUTTEN, DONALD C. (M'5B), Engr., RCA, 11B19 W.

Olympic Blvd., Los Angels 64, Calif.

NUTTER, EOWARD H. (S'49-A'50-M'57), Project Engr., IBM., Poughkeepsie, N. Y.

NUTTER, HUGH G. (A'56), Partner, Electro-Mec Associates, 4012 E. 9 Mile, Warren, Mich.

NUTTER, MURLIN J. (S'48-A'50-M'55), Project Engr., Bendix Aviation Corp., Research Lab., 10½ Mile Rd. & James Cousens Hwy., Detroit, Mich.

NUTTING, DANIEL C. (M'46), Sr. Engr., The Pacific Telephone & Telegraph Co., 1200 3rd Ave., Seattle 1, Wash.

Wash.
NUUT, AUGUST (S'47-A'49-M'55), Group Head, Hycon
Mfg. Co., 190 W. Colorado St., Pasadena, Calif.
NYBERG, JAMES J. (S'53-A'54-M'59), Electronics Engr.,
Ramo-Wooldridge Crop., Box 45534, Airport Sta., Los
Angeles 45, Calif.
NYBERG, LINDLEY V. (S'55-A'56), Electronics Engr.,
Crosley Div., Avco Mfg. Corp., 2630 Glendale-Milford
Rd., Cincinnati 15, Ohlo.

NYBERG, RICHARD A. (A'44), Electronics Scientist, U. S. N. R. D. L., San Francisco 24, Calif. NYBERG, ROBERT G. (SM'56), Det. Head, Engrg. Div., Aircraft Radio Corp., Boonton, N. J. NYBERG, STURE L. (A), Roslags-Nasby, Sweden, N. Roslags-Nasby, Roslags-Nasby, Sweden, N. Roslags-Nasby, Sweden, N. Roslags-Nasby, Sweden, N. Roslags-Nasby, R

NOSIAUS-MASSY, SWEUER, NYBERG, WILBUR C. (A156), Sr. Engr., Liberty Mfg. Corp., 2747 Belmont Ave., Youngstown 4, Ohio.
NYDEN, ROBERT C. (SM156), Supvr., Mech. Engrg., Sylvania Microwave Physics Lab., Box 1296, Mountain View,

Calif.

NYDER, RICHARD C. (S'55-M'59), Mem. Tech. Staff,
Hughes Aircraft Co., Quiver City, Calif.
NYE, DUDLEY D. (A'53-M'55), Mgr., Control Analysis
Sect., Eastern Research Cerder, Robert Shaw-Fulton Controls
Co., 2920 N. 4 St., Philadelphia, Pa.

NYE, JAMES H. (J'35-A'38-M'44), Dept. Mgr., Raytheon Mfg. Co., Wayland, Mass.
NYE, JAMES R. (SM'56), Pres., Technicraft Labs., Inc.,
Thomaston, Conn.
NYE, JOHN W. (A'53-M'57), Quality Control Engr., Melpar, Inc., Falls Church, Va.
NYE, RICHARD L. JR. (S'54-M'55), Engr., Litton Indus-

NYE, RICHARD L., JR. (S'54-M'56), Engr., Litton Industries, 960 Industrial Rd., San Carlos, Calif.

NYE, WILLIAM H. (A'45-M'47), District Sales Mgr., GE
Co., 565 Broadway, Redwood City, Calif.

NYGAARD, GE ORGE M. (S'56-M'57), Elec. Engr., Remington Rand Univac, 1902 W. Minnehaha, St. Paul 4, Minn.

NYGARD, CLIFFORD A. (A'59), Asst. Chief Engr., Quali-tone Co., Inc., 431B Upton Ave., S., Minneapolis, Minn. NYGARD, JOHN C. (M'54), Elec. Engrg. Dir., High Voltage Engrg. Corp., S. Bedford St., Burlington, Mass.

NYHEN, E. MACDONALD (M*50), Asst. to the Dir., Electronics Div., Business & Defense Services Administration, U.S. Dept. of Commerce, Washington 25, D.C.
NYLANDER, GUSTAVE A. (S*50-4*33-M*57), Engr., Tung-Sol Electric, Inc., 200 Bloomfield Ave., Bloom-NYLANDER, R. FREDRIK (S*53-4*54), Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif. NYLIN, MANUEL E. (S*42-A*44-M*51), Design Engr., Canadian GE Co., Ltd., B30 Lansdowne Ave., Toronto 12, Ont., Canada.
NYLIND, HARRY W. (SM*5R), Morn. Tech. Staff, Ball.

NYLUND, HARRY W. (SM'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J. NYMBERG, RAYMOND J., JR. (S'4B-A'50-M'55), Electronics Supyr., Bendix Aviation Corp., 401 N. Bendix Dr., South Bend 21, Ind.

NYQUIST, HARRY (A'39-SM'47-F'52), Retired, 29 Marion Ave., Milborn, N.J. NYSER, HUBERT J. (M'5B), Engr., Bell Tel. Labs.,

NYSER, HUBERT J. (M'5B), Engr., Bell Tel. Labs., Whippany, N.J. NYSTROM, ALFRED V. (S'57-M'59), Assoc. Engr., Douglas Aircraft, Santa Monica, Calif. NYSWANDER, R. EDSON (A'46-M'55), Electronics Engr., Goodyear Aircraft Corp. of Arizona, Litchfield Park, Ariz.

OAKES, CLIVE R. (S'55-M'57), Design Engr., Canadian GE Co., Toronto, Ont., Canada.
OAKES, DAVID A. (S'57-M'5B), Applied Science Rep., BM, 356 Donald St., Winnibeg 2, Man., Canada.
OAKES, GLEN K. (S'53-A'54), Design Engr., Beeing Airplane Co., 7755 E. Maryinal Way, Seattle, Wash, OAKES, CLEN K. (S'53-A'54), Design Engr., Beeing Airplane Co., 7755 E. Maryinal Way, Seattle, Wash, OAKES, HERBERT S. (A'4B), Tester & Inspector, RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P. Q., Canada.
OAKES, J. BARRY (S'4B-A'50-M'56), Physicist, Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md. OAKES, LESTER C. (S'4B-A'50-M'5B), Dev. Engr., Carbide Nuclear Co., Oak Ridge, Tenn.
OAKES, RICHARD E. (A'4B-M'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
OAKES, ROBERT E. (S'56-M'57), Dev. Engr., Good-All Electric Mfg. Co., 120 W. 1st St., Ogallada, Neb.
OAKES, WILLIAM S. (S'4B-A'50-M'55), Dev. Engr., Good-All Electric Mfg. Co., 155-M'5B), Asst. Engr., Texas Instruments, 6000 Lemmon Ave., Dallas 9, Tex.
OAKSON, GERALD (A'57), Engr., Technician, Dept. of Natl. Defense, Defense Research Bd., Valcartier, P.Q., Canada.
OATES, HAROLD W. (M'56), Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.
OATES, MSN, Engr., Frod. Dev. Lab., IBM, Endicott, N.Y.
OATES, KENNETH H. (A'55), Assoc. Engr., Prod. Dev. Lab., IBM, Endicott, N.Y.
OATES, KENNETH H. (A'55), Assoc. Engr., Prod. Dev. Lab., IBM, Endicott, N.Y.
OATES, THOMAS L. (A'36-VA'39-M'55), Sr. Communications Engr., State of Calliomia, Div. of Communications, 631 J. St., Sacramento 14, Calif.

tions, 631 J. St., Sacramento 14, Calif.

OATT, RALPH L., JR. (S'153-M'56), Electronics Engr.,
Hughes Aircraft Co., Fullerton, Calif.

OBEE, ROBERT A. (A'59), Dev. Eng., Western Electric
Co., Winston-Salem, N. C.

O'BEIRNE, HENRY (M'57), Research Engr., HydroElectric Power Commission of Ortario, 620 University
Ave., Toronto 2, Ont., Canada.

OBENCHAIN, IRVING R., JR. (SM'51), Col., U. S. Army,
Signal Corps, Genl. Staff G-4-EUSA, APO 301, San
Francisco, Calif.

DBENMANUS, ROBERT E. (SM'54-M'56), Design Engr.

OBENHAUS, ROBERT E. (SM'54-M'56), Design Engr., Texas Instruments, Inc., N. Central Expressway, Dallas, Tex.

1ex.

OBENLAND, DONALD K. (A'46-M'55), Engr., RCA,
Camden, N. J.

OBER, HAROLD E. (A'41-SM'53), Sr. Engr., The Johns
Hopkins Univ., Silver Spring, Md.

OBERBECK, JOHN, JR. (A'5B), Prod. Engr., Instruments
For Industry, Inc., 101 New South Rd., Hicksville, L.1.,
N.Y.

N. Y.

OBERRILLIG, DONALD D. (M'47), Owner, Radio Engrg.
Service, Box B27, Bolse, Idaho.

OBERG, ALBERT C. (M'57), ECM System Engr., GE
Co. LMED, Utica, N. (M'57), ECM System Engr., GE
Co. LMED, Utica, N. (M'57), ECM System Engr., Corp.,
2995 Middlefield Rd., Palo Alto, Calif.

OBERG, MARTIN F. (M'58), Chief Engr., Millcraft, Inc.,
1119 Merriam Blvd., Kansas Citv, Kan.

OBERG, VICTOR H. (S'48-4'50-M'5B), Electronics Engr.,
Corps of Engrs., San Francisco District, 1BO New
Montgomery St., San Francisco, Calif.

OBERHOLTZ, LOUIS P. (S'56-M'5B), Engr., Western
Electric Co., 220 Church St., New York 13, N.Y.

OBERHOLTZER, JOHN M. (M'5B), Group Leader, No. Amer.

Electric Co., 220 Church St., New York 13, N.Y.

OBERHOLTZER, JOHN M. (M'5B), Group Leader, No. Amer.

Aviation, Los Angeles 45, Calif.

OBERLANDER, FRED M. (SM'55), Administrator, Materials

Standards, RCA. Camden 2, N.J.

OBERLES, GEORGE W. (SM'54), Leader, Engrg. Systems

Prolects, RCA, Moorestown, N.J.

OBERLIES, JOHN L. (A'53-M'55), Publications Editor,

Hazeltine Electronics Corp., 59-25 Little Neck Pkwy.,

Little Neck, L.I., N.Y.

OBERMAN, JOEL R. (S'57-M'59), Design & Dev. Engr.,

RCA, Camden, N.J.

OBERMAYER, RICHARD W. (M'57), Human Factors Assoc.,

Martin Co., Baltimore 3, Md.

OBERRENDER, GIRARD F., JR. (S'48-A'49-M'55), Prod.

Planning, Closed Circuit TV Mktg. Sect., GE Co., Syracuse, N.Y.

OBERT, MAXMILLIAN J. (SM'50), Mgr., Electromagnetic

Cuse, N. Y. S.

OBERT, MAXMILLIAN J. (SM'50), Mgr., Electromagnetic Devices Dev., RCA, Camden, N. J.

OBLINGER, JAMES T. (M'55), Project Engr., Haller, Raymond & Brown, Inc., State College, Pa.

OBOG, LEOF, (M'52), Electronics Engr., Hammond Organ Co., 2915 N. Western Ave., Chicago, III.

OBORYSHKO, HENRY (S'5B-M'59), Elec. Engr., Aircraft Marine Product, 155 Park St., Elizabethtown, Pa.

OBRA, RUFINO S. (A'56), Chief Engr., The Blue Network, DXAW, Box 121, Davao City, Philipoines.

OBRAY, DEAN C. (S'50-A'52), Group Leader Hughes Aircraft Co., Box 90902, Los Angeles 45, Calif.

OBR-OGD - 317 -

- OBREZA, WALTER S. (S'54-A'56), TV Broadcast Engr., WHDH. Inc., 6 St. James Ave., Boston 16, Mass.
 O'BRIAN, EDWARD D. (A'55), Patent Atty., 541 S. Spring St., Los Angeles 13, Calif.
 O'BRIEN, ARTHUR E., JR. (M'57), Engr., Raytheon Mfg. Co., Bedford, Mass.
 O'BRIEN, BERNARD C. (A'41-SM'51), Radio Engr., Page Communication Engrs., Inc., 710 14 St., N.W., Washington, D.C.

- Communication Engrs., Inc., 710 14 St., N.W., Washington, D.C.

 O'BRIEN, BRIAN, JR. (M'59), Asst. to V.P., Itek Corp., 1605 Trapelo Rd., Waltham, Mass.

 O'BRIEN, CARL A. (S'57-A'59), Production Engr., C8S-Hytron, 100 Endicott, Danvers, Mass.

 O'BRIEN, DENIS (A'43-M'46), 21 Rosedene Gardens, Ilford, Essex, England, 1674), 22 Rosedene Gardens, O'BRIEN, DENNIS D. (A'47), Communications Maintainer, Service Pipe Line Co., 5202 S. Shaver, Houston, Tex.

 O'BRIEN, DONALD G. (S'48-A'52-M'56), Pres., American Measurement & Control, Inc., 24D Calvary St., Waltham 54, Mass.
- Measureme 54, Mass.
- 54, Mass.
 O'BRIEN, DONALD J. (S'58-M'59), Assoc. Research Engr., Boeing Airpilane Co., Eglin AF8, Ft. Walton Beach, Fla.
 O'BRIEN, DONALD J. (S'51-A'52-M'57), Sr. Engr., Bendix Aviation Corp., Research Labs., 80x 5115, Detroit 35, Mich.

- Urolt 35, Mich.

 O'BRIEN, EDGAR (A'38-VA'39), Radio Engr., WellsGardner & Co., 2701 N. Kildare, Chicago 39, 111.

 O'BRIEN, EDWARD G. (A'51-M'57), Supvy. Electronics
 Engr., CAA, Box 1082, Oklahoma City, Okla.

 O'BRIEN, ELWIN J. (A'27-VA'39-SM'45), Research Engr.,
 Autometics Div., No. Amer. Aviation, Downey, Calif.

 O'BRIEN, GEORGE A. (M'59), Engr., Philco Corp., 3875
 Fabian Way, Palo Alto, Calli.

 O'BRIEN, HAROLD G. (S'47-A'50), Dev. Engr., Remington
 Rand Univac, 2750 W. 7 St., St. Paul, Minn.

 O'BRIEN, HOWARD F. (A'56), Quality Control, Raytheon
 Mig. Co., Waltham, Mass.

- O'BRIEN, HUGH A. (M'57), Engr., IBM, Poughkeepsie,

- N.Y.

 O'BRIEN, JOHN A. (S'56-M'58), Test Engr., GL Co., Schenectadv. N.Y.

 O'BRIEN, JOHN A. (SM'59), Dept. Head, Itek Corp., 1605 Trapelo Rd., Waltham, Mass.

 O'BRIEN, JOHN C. (M'46-SM'50), Sr. Research Engr., Cubic Corp., 5575 Kearny Villa Rd., San Diego, Calif.

 O'BREIN, JOHN R. (SM'56), Eastern Mgr., Hoffman Electronics Corp., 1625 Eye St., N.W., Washington 6, D.C.

 O'BRIEN, JOSEPH A. (S'48-A'50-M'55-SM'58), Systems Engr., RCA, Moorestown, N.J.

 O'BRIEN, JOSEPH F. (A'52-M'56), Sr. Engr., Physical Chemical Lab., Federal Telecommunication Labs., Nutley 10, N.J.
- Chemicai 10, N.J.
- O'BRIEN, JOSEPH F., JR. (A'54), Project Engr., RCA,
- Moorestown, N.J.

 O'BRIEN, RICHARD S. (S'39-A'43-M'45-SM'53), Dir.,
 Audio & Video Engrg., CBS-TV, 485 Madison Ave., New
 York 22, N.Y.
- York 22, N.Y.

 O'BRIEN, ROY E. (S'58-M'59), District Sales Mgr., Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Ariz.

 O'BRIEN, RUSSEI L.J. (S'57-A'57), Sr. Tester, Ford Instrument Co., 32-36 47 Ave., Long Island City, N.Y.

 O'BRIEN, THOMAS H. (A'50-M'55), V.P., Engr., Radar Measurements Corp., 190 Duffy Ave., Hicksville, L.I.,
- Measurements Corp., 190 Durry Ave., Hicksville, L.I., N.Y.

 O'BRIEN, VINCENT T. (M'57), Washington Rep., Raytheon M/g. Co., 1600 K St., Washington 6, D.C.

 O'BRIEN, WILLIAM C. (A'54), Mem. Tech. Staff, Hughes Communication Div., Box 90902, Los Angeles 45, Calif.

 O'BRIEN, WILLIAM R. (M'55), Asst. Chief, Facility & Data Branch, Test Engrg. Div., Directorate of Flight & All Weather Testing, Wright Air Development Center, Wright—Patterson AF8, Ohio.

 O'BRIENT, EARL J., JR. (M'54), Dev. Engr., Transitron Electronic Corp., Albion St., Wakefield, Mass.

 O'BRYAN, HENRY M. (M'51-SM'54), Mgr., Scientific Liaison, Sylvania Elec. Prods., Inc., 1740 Broadway, New York 19, N.Y.

 O'BRYAN, ROBERT L. (A'46-M'55), Head, Telecommunications System Engrg. Div., Range Dev. Dept., Hgrs, Pacific Missile Range, Code 3130, Point Mugu, Calif.

 O'BRYANT, RICHARD O. (S'54-M'58), Asscc., Elec. Engr.,

- O'8RYANT, RICHARD O. (S'54-M'58), Assoc. Elec. Engr., Texas instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
- O8SHARSKY, PAUL (A'49-M'55), Engr., I8M, Owego,
- N.Y.
 OBIKURO, AKITSUGU D. (S'57-A'57), Telephone Installer,
 Northern Electric Co., Ltd., 900 Yonge St., Toronto,
 Ont., Canada.
 O'BYRNE, LIONEL A. (A'56), Rowatt. Sask.. Canada.
 O'CAIN, WALTER L. (A'53), Transmitter Engr., WDIX,
 Orangeburg, S.C.
 O'CALLAGUAN, EEDMAN, CANAGA, CANA

- Orangeburg, S.C.

 O'CALLAGHAN, JEROME J. (SM'46), Chief Engr., The Rauland Corp., 4245 N. Knox Ave., Chicage 41, III.

 OCAMPO GUERRA, HECTOR L. (A'56), Subjefe Transmisora "Miguel Aleman," Departmento de Comunicaciones inalambricas, Dir Gral. De Telecomunicaciones, Kilometro 11.5 de la Carretera, Mexico-Puebla, Mexico Citv. Mexico.

 OCCHIOGROSSO, THOMAS (A'45-M'49), Electronics Engr., Signal Equipment Support Agency, Coles Area, Ft. Monmouth, N.J.

- mouth, N. J.
 OCEL, RA-WOND P. (S'56-M'58), Engr., Melpar, Inc.,
 3D00 Arlington Blvd., Falls Church, Va.
 OCH, HENRY G. (SM'57), Dir., Missle Systems Dev.,
 Beil Tel. Labs., Whippany, N. J.
 OCHELTREE, 5TEWART L. (S'56-M'58), Research Engr.,
 Natl. Aeronautics & Space Administration, Langley Field,
- Va.

 OCHERET, RICHARDS S. (A'49-M'55), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 OCHOA, S., ALFONSO (M'57). Naval Attacle, Colombian
 Navy, 2118 Le Roy Pl., N.W., Washington B, D.C.

 OCHS, GERALD R. (M'57), Electronics Scientist, Natl.
 Bureau of Standards, Boulder, Colo.

 OCHS, STEFAN A. (M'55), Research Engr., RCA Labs.,
 Princeton, N.J.
- OCKO, RICHARD (A'49-M'55-SM'56), Design (Librascope, Inc., 808 Western Ave., Glendale 1, Calif. OCKO, RICHARD (A'49-M'55-SM'56), Design (Librascope, Inc., Spracuse, N.Y.

- OCNASCHEK, FRANK J. (S'47-A'50-SM'55), Asst. Dir., Research & Dev., Collins Radio Co., 120D N. Alma Rd., Richardson, Tex.
- CONNELL, EDMUND P., SR. (M'56), Mgr., Equipment & System Evaluation Federal Electric Corp., Industrial Pk., Paramus, N.J.
- Pk., Paramus, N.J.

 O'CDNNELL, GERALD M. (A'27-VA'39), Owner, O'Connell Sound Lab., 424 W. Garfield St., Freeport, III.

 O'CONNELL, JAMES D. (SM'53-F'57), Lt. Genl., U.S. Army, Chief Signal Officer, Dept. of the Army, Room 2E-254, The Pentagon, Washington 25, D.C.
- 234, I ne Pentagon, Washington 25, D.C.
 O'CONNELL, JAMES V. (A'57), Design Engr., Newport News Shipbuilding & Drydock Co., Newport News, Va.
 O'CONNELL, JOHN H. (A'55), Research Engr., RCA Labs., Princeton, N.J.
 O'CONNELL, JOHN J., JR. (S'56-M'57), Lt. jg., Electronics Officer, USS Mullinnix (DD944), FPO, New York, N.Y.
- N.Y.
 O'CONNELL, PAUL R. (A'57), Field Service Rep., Pitney-Bowes, Inc., Walnut St., Stamford, Conn.
 O'CONNELL, ROBERT E. (A'55), Project Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- 25, Uhio.
 O'CONNELL, ROBERT J. (S'50-A'54), Mgr., Systems Engrg. Sect., Bendix Aviation Corp., Ann Arbor, Mich.
 O'CONNELL, THOMAS P. (A'50), Asst. Contracts Administrator, Otls Elevator Co., 35 Ryerson St., Brooklyn 5, N.Y.

- N.Y.
 O'CONNOR, CAROLYN (S'57-M'58), Engr., Writer, Genl.
 Radio Co., 22 Baker St., West Concord, Mass.
 O'CONNOR, CHARLES R. (S'51-A'53), Elec. Engr., GE
 Co., Syracuse, N.Y.
 O'CONNOR, DANIEL G. (A'46-M'48-SM'52), Mgr., Digital
 Computer Dev., Link Aviation, Binghamton, N.Y.
- O'CONNOR, EDWARD J. (A'59), Jr. Engr., Lavoie Labs., Morganville, N.J.
- O'CONNOR, EDWARD J. (A159), Jr. Engr., Lavoie Labs., Morganville, N. J.
 O'CONNOR, GERALD P. (S156-A157), Field Engr., AC Spark Plug Div., GMC, 1925 E. Kenilworth Pl., Milwaukee. Wis.
 O'CONNOR, GERALD S. (A145-SM157), Radio Engr., HF Rudio & Microwave Engrg., U.S. Army Signal Engrg. Agency, Washington 25. D. C.
 O'CONNOR, GROVER J. (M'50), Research Physicist, Hughes Aircraft Co., Culver City, Calif.
 O'CONNOR, HAROLD C., JR. (M'57), Sr. Physicist, Haller, Raymond & Brown, Inc., Box 60, State College. Pa.
 O'CONNOR, JAMES F. (S'51-A'52-M'56), Sr. Engr., Hazeltine Flectronics Div., 59-25 Little Neck Pkwy, Little Neck, L. I., N. Y.
 O'CONNOR, JAMES F. (S'57-A'58), Electronics Technician, Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 O'CONNOR, JOHN L. (S'55-M'57), Electronics Engr., Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, L. I., N. Y.
 O'CONNOR, LAWRENCE J. (S'54-M'56), Research Assoc.,

- UTION BY THE TRANSPORT OF THE TRANSPORT

- N.Y.
 O'CONNDR, THOMAS M. (S'53-A'56), Tester "8," Potomac Electric Power Co., 929 E St., N.W., Washington, D.C.
 O'CONNOR, WILLIAM A. (A'51-M'57), Sr. Flight Test Engr., The Martin Co., Baltimore 3, Md.
 O'CONNOR, WILLIAM B. (M'58), Unit Engr., RCA Victor, Camden 2, N.J.
 ODA, DONALD J. (S'47-A'50-M'54-SM'57), Engrg. Mgr., RCA, Moorestown, N.J.
 ODABASHIAN, HARRY (S'55-A'56), 20-15 27 St., Astoria, 1.1 N.Y.

- DDABASHIAN, HARRY (S'55-A'56), 20-15 27 St., Astoria, L., N.Y.

 DDARENKO, TODOS M. (SM'45-F'59), Scientific Consultant, U.S. Govt., 2430 E St., N.W., Washington 25, D.C.

 O'DAY, ARTHUR C. (A'50), Owner, Service Electric Co., 8ox 508, South Chatham, Mass.

 O'DAY, MARCUS D. (A'28-VA'39-M'55), Asst. To Dir., Electronics, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

- Electronics, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 ODEN, ROBERT B. (A'55–M'58), Electronics Engr., Bell Aircraft, Box 1, Buffalo, N.Y.

 ODSON, JOHN K. (S'55–M'57), Dept. of Mathematics, Waterloo College, Waterloo, Ont., Canada.

 ODDSSON, IVAR G. (A'55), Sr. Dev, Engr., Motorola, Inc., 4545 W. Augusta, Chicago, III.

 O'DEA, ORRIN B. (S'55–M'59), Field Engr., Western Electric Co., Inc., Chatham Rd., Winston-Salem, N.C.

 ODEKIRK, MAX D. (S'48–A'50–M'55–SM'59), Asst. Sr. Engr., Aerojet-Gen. Corp., Azusa, Calif.

 O'DELL, GLENN M. (SM'59), Sr. Design Engr., Resdel Engrg. Corp., 330 S. Fair Oaks, Pasadena, Calif.

 ODELL, M. P. (SM'52), Pres., M. P. Odell Co., 26614

 Center Ridge Rd. Westlake, Ohio.

 ODELL, THOMAS W. (M'58), Staff Engr., Genl. Precision Lab., 63 Bedford Rd., Pleasantiville. N.Y.

 ODELL, W. DON (S'57–M'58), Field Engr., Motorola Communications & Electronics, Inc., 1400 N. Cicero, Chicago 51, III.

 DEN, DAVID E. (S'54–M'56), Project Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 DENTHAL, LAWRENCE H. (S'49–A'50–M'56), Chief Industrial Engr., Bendix Aviation Corp., 3130 Wasson Rd., Cincinnati 8, Ohio.

 ODENWELLER, CHARLES J., JR. (S'56–M'58), Engr., GC. Co., Philadelobha. Pa.

- ODENWELLER, CHARLES J., JR. (S'56-M'58), Engr., GE Co., Philadelphia, Pa. ODESS, LAWRENCE R. (S'53-M'57), Sr. Engr., ITT Labs., Natley 10. N J
- ODESSEY, PAUL H. (A'44-M'55), Exec. V.P., Production & Sales, Polarad Electronics Corp., 43-20 34 St., Long Island City, N.Y.
- Island City. N.Y.

 ODLING, EDWARD C. (A'56), Engrg. Asst., Saskatchewan
 Govt. Telephones, 2350 Albert St., Regina, Sask., Canada.

 ODLUM, FREEMAN H., JR. (S'52-A 54). Mem Tech.
 Staff. Hughes Aircraft Co. Culver City. Citif

- OD OM, THOMAS O. (S'57-M'59), Electronics Engr., USAF, Ground Electronics Engrg.-Installations Agency, Brookley AFB, Ala.
- AFD, Ata.

 O'DONNELL, ARTHUR J., JR. (M'46-SM'51), Mgr., Design & Dev. Projects, RCA, Missile Electronics & Controls, Burlington, Mass.

 O'DONNELL, CORNELIUS F. (M'58), Electronics Engr., Industrial Mgr., 8 ND USN, US Naval Sta., New Drieans 4D, La.

- 4D, La.

 O'DONNELL, EDWARD J. (S'54-M'56), Assoc Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 O'DONNELL, GEORGE H. R. (M'59), Sr. Tech. Writer, Electronics, Roger & Roger, Inc., Metcalf Bldg., Orlando, Fla.

 O'DONNELL, JOHN J. (A'55-M'58), Engr., Electricity Supply 8d., Fitzwilliam St., Dublin, Ireland.

 O'DONNELL, JOHN J. (A'53-M'58), Engr., Components

 Evaluation Lab., RCA, Camden, N.J.

 O'DONNELL, JOHN J. (S'55-M'57), Assoc. Engr., Bettis Atomic Power Div., Westinghouse Elec. Corp., Box 1468, Pittsburgh 3O, Pa.

 O'DONNELL, JOSEPH P. (S'50-A'50-M'58). Chief Sales

- O'DONNELL, JOSEPH P. (S'50-A'50-M'58), Chief Sales Engr., Axel Bros., Inc., 134-20 Jamaica Ave., Jamaica, L.I., N.Y.

- O'DONNELL, JOSEPH P. (S'50-A'50-M'58), Chief Sales Engr., Axel Bros., Inc., 134-20 Jamaica Ave., Jamaica, L.I., N.Y.

 O'DONNELL, MARTIN J. (A'59), Sr. Technician, Sylvania Elec. Prods., Inc., Waltham, Mass.
 O'DONNELL, ROBERT J. (A'43-5M'55), Project Engr., Westinghouse Elec. Corn. Box 1897, Baltimore 3. Md.
 O'DONNELL, THOMAS F. (A'54-SM'54), Secy. & Business Mgr., The Mitre Corp., 2244 Wood St., Lexington 73, Mass.
 O'DONNELL, THOMAS J. (A'45-SM'54), Dir., Geophysical Research Div., Gulf Research & Development Co., Box 2D38, Pitsburgh 30, Pa.
 O'DONOGHUE, HENRY J., JR. (M'56), Plant Mgr., Technicraft Labs.. Inc., 1093 Baker St., Costa Mesa. Calif.
 O'DONOHUE, JOHN P. (S'55-M'57), Dev. Engr., GE Co., Schenectady, N.Y.
 O'DONOHUE, FORERT E. (M'59), Avionics Engr., Grumman Aircraft Engrs. Corp.. Bethpage, L.I., N.Y.
 O'DWYER, MAURICE S. (M'56), Electronics Engr., Grumman Aircraft Engrs. Corp. Sethpage, L.I., N.Y.
 UEFINGER, HAWLEY C. (A'55), Sunt., Communications Police & Fire Depts., City of Stamford, 805 Bedford St., Stamford, Conn.

 DEHLKE, ALVIN E. (S'54-M'55), SR. Research Electronics Engr., No. Amer. Aviation, Downey, Calif.
 DELBERMANN, ERNEST J. (SM'59), Haller, Raymond & Brown, Inc., Science Park, State Octollege, Pa.
 DELKE, HARLAN J. (S'55-M'57), Electronic Scientist, Diamond Ordinance Fuze Lab., Washington 25, D.C.
 DELKE, PAUL O. (M'58), Prod. Engr., Entron, Inc., 4902 Lawrence St., Bladensburgh, Md.
 OEN, JUROLF A. (S'50-A'55), Electronics Engr., Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul, Minn.
 DERTEL, MARTIN F. (A'52), Sect. Chief, Telemetry & Radiation, Diamond Ordinance Fuze Lab., Washington 15, Radiation, Diamond Ordinance Fuze Lab., Washington 15, Radiation, Diamond Ordinance Fuze Lab., Washington 15, Radiation, Diamond Ordinance Fuze Lab., Washington 18, Radiation, Diamond O

- OERTEL, MARTIN F. (A'52), Sect. Chief, Telemetry & Radiation, Diamond Ordinance Fuze Lab., Washington 25, D.C.

- 25, D.C.

 OERTER, GEORGE W. (M'59), Sr. Dev. Engr., Leeds & Northrup, 4901 Stenton Ave., Philadelphia 44, Pa.

 OERTEI, ERNST H. (A'55), Owner & Mayr., Fabrimex, 36 Kreuzstrasse, Zurich 8, Switzerland.

 OESS, FREDERICK G. (A'51-M'56), Elec. Engr., Supvr., Tool & Electronics Test Equipment Dev. & Maint., Sonotone Corp., Elmsford, N.Y.
- tone Corp., Elmsford, N.Y.

 DESTE, RONALD A. (S'54-A'55-M'59), Microwave Engr.,
 Motorola, Inc., 1400 N. Gicero, Chicago 51, III.

 DESTERLE, ADOLPH G. (S'49-A'50-M'55), Engr.,
 Vitro Labs., Vitro Corp. of America, 200 Pleasant Valley
 Way, West Orange, N.J.

 DESTERMEYER, CARL F. (A'47), Mgr., Sales Engrg.,
 Willard Storage Battery Div., 246 E. 131 St., Cleveland
 1, Ohio.
- OESTREICHER, DONALD L. (S'48-A'50-M'55), Asst. V.P., Central Western Co., 1350 Norris Rd., 8akersfield, Calif.
- OETTINGER, ANTHONY G. (A'47-M'55), Asst. Prof., Computation Lab., Harvard Univ., Cambridge 38, Mass.

- Mass.

 OEZER, JOHN J. (M'59), Electronics Engr., Nutone, Inc.,
 Cincinnati 43, Ohio.

 O'FARRELL, JOHN J., JR. (A'50-M'53), Project Mgr.,
 Standards Engro. Dept., IBM, Poughkeensie, N.Y.

 OFFENHAUSER, WILLIAM H., JR. (A'51), Consultant,
 Wm. H. Offenhauser, Jr., New Cannaan, Conn.

 OFFERMANN, FREDERICK 8. (S'55-M'57), Assoc.
 Engr., Westinghouse Elec. Corp., 1405 Parker Rd.,
 Baltimore 27, Md.

 OFFNER, FRANKLIN F. (A'36-SM'46), Pres., Offner
 Electronics, Inc., 3900 River Rd., Schiller Pk., III.

 OFFNER, MAXMILLIAM, Y. (M'58), Engr., ACE Elec-

- Electronics, Inc., 3900 River Rd., Schiller Pk., III.

 OFFNER, MAXMILIAN M.Y. (M'58), Engr., ACE Electronics Associates, Inc., 99 Dover St., Somerville, Mass.

 OFFUTT, WARREN B. (S'49-A'51-M'56), Mgr., Airbome Instrument Lab., Inc., Mineola, L.I., N.Y.

 OFTEN, CONWAY G. (A'53), TV Engr., WDSU-TV, 520 Royal St., New Orleans 16, La.

 OGAR, GEORGE W. (M'56), 847 Spinning Rd., Dayton 3, Ohio.

 O'GARA, JOHN J. (A'45), Design Engr., Victoreen Instrument Co., 5806 Hough Ave., Cleveland 3, Ohio.

 OGASAWARA, TORU B. (A'51-M'56), Engr., Designer, Boeing Airplane Co., Transport Div., Box TD7, Renton, Wash.

 OGATA, ALBERT I. (S'55-M'56). Electronics Engr..
- Wash.

 OGATA, ALBERT I. (S'55-M'56), Electronics Engr.,
 Hughes Aircraft Co., Fullerton, Calif.

 OGAWA, HERBERT F. (A'58), Research Technician,
 RCA Labs., Princeton, N. J.

 OGAWA, KIKUO (M'57), Engr., Northrup Aircraft, Inc.,
- Hawthome, Callf.

 OGAWA, TORU (M'58), Asst. Prof., Elec. Engrg. Dept., Doshisha Univ., Kyoto, Japan.

 OGBORN, LAWRENCE L. (S'53-A'55), Instr., Purdue Univ., Elec. Engrg. Dony, West Lafayette, Ind.

 OGDEN, DONALD E. (S'58-M'59), Electronics Engr., U.S. Pacific Missile Range, Point Migu. Callf.

 OGDEN, DONALD R. (M'54), Engr., Natl. Carbon Co., 3D E. 42 St., New York 17, N.Y.

 OGDEN, JOHN E. (A'52-M'57), Quality Assurance Supvr., Lenkurt Electric Co., Inc., 1105 Old County Rd., San Carlos, Callf.

- OGDEN, STEWART (M'59), Engrg. Asst., Raytheon M'9. Co., Waltham, Mass. OGDEN, WARNER, JR. (SM'56), Tech. Staff, The MITRE Corp., Box 208, Lexington 73, Mass.

- Corp., Box 208, Lexington 73, Mass.
 OGG, FRANK C., JR. (M'56), Principal Engr., Bendix
 Radio Div., Baltimore 4, Md.
 OGG, ROBERT D. (A'41-M'48), Pres., Danforth Anchors,
 2121 Alliston Way, Berkeley 4, Calif.
 OGHARA, YOICHI (A'57), Engr., Radio Frequency Research
 Sect., Japan Broadcasting Corp., Tech. Research Lab.,
 361 Kinuta-Machi, Setagaya-Ku, Tokyo, Japan.
 OGILVIE, ALLAN R. (A'43-SM'49), Chief Engr., Secode
 Corp., 555 Minnesota St., San Francisco 7, Calif.
 OGLAND, JON W. (SM'54), Sr. Engr., Westinghouse
 Elec. Corp., Friendship Internatl. Airport, Baltimore
 27, Md.

- 27, Md.

 OGLE, H. MALCOLM (S'40-A'41-SM'50), Consultant, Dev. Projects, Atomic Power Equipment Dept., GE Co., 2151 S. 1st St., San Jose, Calif.

 OGLE, JOSEPH D. (A'54), Owner, J. D., Ogle Hardware, 1701 Park St., Hartford 6, Conn.

 OGLESBY, JAMES D. (SM'56), Chief Engr., Superior Electronics Corp., 208-212 Piaget Ave., Clifton, N. J.

 OGLESBY, REDDING G. (M'57), Deputy Dir., Engro., Hgrs., Ground Electronics Engrg., Installation Agcy., Griffiss AFB, N.Y.

 OGLESBY, WILLIAM D. (S'51-A'52-M'57) Flee, Engr.
- Griffiss AFB, N.Y.

 OGLESBY, WILLIAM D. (S'51-A'52-M'57), Elec. Engr., Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. OGLETREE, WILLIAM A. (A'49-M'55), Mer., Engrg., Military Electronics Computer Div., Burroughs Corp., 14300 Tireman, Detroit 28, Mich.

 GONIAK, THEODORE J. (A'57), Electronics Tester, Electronic Instrument Co., 33-00 Northern Blvd., Long Island City, N.Y.

- O'GORMAN, JOSEPH 8. (SM'57), Staff Engr., National Co., Inc., Sherman St., Malden, Mass.
 O'GRADY, JOHN J. (M'56), Asst. Physicist, Chicago Midway Labs., 6220 S. Drexel, Chicago 37, III.
 GGRAM, ROBERT L. (A'47-M'55), Head, Project Sect., Stromberg-Carlson Co., 1895 Hancock St., San Diego 12, Calif.
- OGUCHI, BUNICHI (SM'58), Research Assoc., Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y. O'HALLORAN, JOHN F. (M'50-SM'54), Engra. Sales Rep., John Francis O'Halloran & Associates, 11636 Ventura Bivd., North Hollywood, Calif.
- North Hollywood, Callf.

 O'HANLON, DONALD M. (M'54), Radio Supt., Project & Dev., British European Airways Corp., Engrg. Base, London Airport, England.

 O'HARA, CHARLES L. (A'56), Sales Engr., Electronic Associates, Inc., Long Branch, N.J.

 O'HARA, FRANCIS J. (A'55), Microwave Engr., Raytheon Mfg. Co., Bedford, Mass.

 O'HARA, GEORGE F. (A'58), Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N.M.

 O'HARA, JOHN J. (S'55-M'56), Sr. Electronics Engr., Erco, Riverdale, MJ.

 O'HARA, JOHN J. (SM'56), System Engr., Missile & Sandia Corp.)

- O'HARA, JOHN J. (SM'56), System Engr., Missile & Space Vehicles Dept. GE Co., 3198 Chestnut St., Philadelphia 4, Pa.

- Pa.
 O'HARA, THOMAS R. (M'58), Rocke Internati., 13 E. 40
 St., New York, N.Y.
 O'HARE, THOMAS F. (S'55-M'56), Asst. Project Engr.,
 Eclipse Pioneer Div., Teterboro, N.J.
 O'HARE, WILLIAM S. (M'55), Sect. Head, Radar Systems
 Dent., Raytheon Mig. Co., Maynard, Mass.
 OHASHI, KANICHI (SM'57), Pres., Iwasaki Tsushinki
 Co., Ltd., 2-710 Kugayama, Suginami, Tokyo, Japan.
 O'HEARN, WILLIAM F., JR. (S'53-A'54), Instr.,
 Physics, John Camoli Univ., 2441 Miramar Dr.,
 Cleveland 18, Ohio.
 OHL, RUSSELL S. (A'24-M'25-SM'43-F'55) Perired

- Physics, John Carroll Univ., 2441 Miramar Dr.,
 Cleveland 18, Ohio.

 OHL, RUSSELL S. (A'24-M'25-SM'43-F'55), Retired,
 Box 306, Cambria, Calif.
 OHLEMACHER, RICHARD F. (A'50), Chief Engr., Test &
 Reliability, Bendix Prods. Div., 400 S. Beiger St.,
 Mishawaka, Ind.
 OHLEN, CARL E. (S'56-M'58), Assoc. Engr., Environmental
 Test Cab., Boeing Airptane Co., Seattle, Wash.
 OHLEN, Cill. BERT M. (S'52-A'54-M'58), Design & Dev.
 Engr., Collins Radio Co., 1930 Hilline, Daltas, Tex.
 OHLER, ALBERT E. (A'37-M'55), Mgr., Industrial Prods.
 Engrs., Commercial Prods., RCA, Camden, N.J.
 OHLMANN, GEORGE A. (A'55), Dev. Engr., GE Microwave Lab., 601 California Ave., Paio Alto, Calif.
 OHLSON, GERALD A. (S'57), Box 1535, Vandenberg
 AFB, Lompoc, Calif.
 OHLSON, ALLAN D. (A'53), Lt. Col., V.P., Compass Communications Corp., 109 Grafton St., Chevy Chase, Md.
 OHLSON, ROBERT L. (S'40-A'55-M'55), Asst. Dir.,
 Univ. of Michigan, Willow Run Labs., Box 2008, Ann
 Arbor, Mich.
- Arbor, Mich.

 OHM, EDWARD A. (S'51-A'54), Mem. Tech. Staff, Bell Tel. Labs., Box 107, Red Bank, N.J.

 OHMAN, BORIS V. (A'53-M'58), Engr., Freed Transformer Co., Inc. 1718 Weiffeld St., Brooklyn 27, N.Y.

 OHMAN, GUNNAR P. (SM'59), Sect. Head, Supvg. Electronics Scientist, Naval Research Lab., Washington 25, D.C.
- D.C.
 OHMAN, JOHN (M'40-SM'52), Leader, Applied Physics, Melpar, Inc., 43 Leon St., Boston 15, Mass.
 OHMART, PHILLIP E. (M'51), Pres., The Ohmart Corp., 2236 Bogen St., Cinicnnati 14, Ohio.
 OHMS, DEAN V. (A'54), Communications Engr., GE Co., Syracuse 9, N.Y.
 OHNUMA, HARUO (A'59), Navingator System Technicain, Computing Devices of Canada, Box 508, Ottawa 4, Ont., Canada.

- OHRENSTEIN, SHELDON 8. (\$'54-A'55), Electronics Engr., Radioplane Co., 8000 Woodley Ave., Van Nuys, Calif.
- OHRVIK, SVEN O. (A'56), Svenska Radio AB, 12 Alstrom-ergatan, Stockholm, Sweden. OHST, RICHARD J. (S'54-M'59), 1809 Manzanita Lane, Manhattan Beach, Calif.
- OHTOMO, RICHARD H. (S'54-M'59), Research Asst., Univ. of Michigan Research Institute. Ann Arbor. Mich.

- 01, ISAMU (S154-M158), Prod. Testing Engr., IBM, Endicott. N.Y
- UTI INEN, KALEVI E. (A'5/), Project Engr., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.:
- ton 5, D.C.

 OlZUMI, JURO (SM'57), Prof., Research Institute of Elec.
 Communication, Tohoku Univ., 5 Sakurakoji, Sendai, Japan.
 OKA, AMOS K. (S'52-M'56), Mgr., Circuits Design, GE
 Co., 951 Commercial St., Palo Alto, Calif.
 OKABE, TAKAHIRO (A'52-M'58), Prof., Shizuoka Univ.,
 400 Oiwake-Cho, Hamamatsu City, Japan.
 OKABE, TOYOHIKO (A'53), Sect. Chief, Tokyo Shibaura
 Electric Co., Ltd., 72, Horikawacho, Kawasaki, Japan.
 OKADA, MONQRU (SM'56), Prof., Univ. of Tokyo, Aeronautical Research Institute, 856 Komaba-Cho, Meguro-Ku, Tokyo,
 Japan.

- OKADA, RICHARD F. (M'57), Electronics Engr., Electronic Warfare Dept., Ft. Huachuca, Ariz.

 OKADA, ROBERT H. (S'49-A'50-M'58), Asst. Prof., Elec. Engra., Moore School of Elec. Engra., Univ. of Pennsylvania 33 & Walnut Sts., Philadelphia, Pa.
- 33 & Walnut Sts., Philadelphia, Pa.

 OKADA, SATIO (M'57), Sr. Research Assoc., Microwave Research Institute, Polytechnic Institute of Brooklyn, 55 Johnson St., Brooklyn 1, N.Y.

 OKADA, TADASUKR (4'54), Chief, Radio Equimment Sect., Radio Engra. Dect., Nippon Electric Co., Ltd., Tamagawa Plant, 1753 Tamagawamukai, Shimonumabe, Kawasaki, Japan. OKADA, TAKASHI (M'85), Chief, Research Dect., Radar Sect., OKI Electric Industry Co., Ltd., 10 Shiba Takahamacho, Minato-Ku, Tokyo, Japan.

 OKAP LJI, SADAO (S'54-A'54), Electronics Engr., RCA, 11819 Olympic Blvd., Los Angeles 64, Calif.

 OKAMURA, MILDRED K. (S'5B-A'59), Lab Asst., GE Co., LMED, Utica, N.Y.

 OAKMURA, SHIRO (M'57), Prof., Univ. of Electro-com-

- OAKMURA, SHIRO (M'57), Prof., Univ. of Electro-com-Communications, 14 Kojimacho, Chofushi, Tokyoto (Chofu P.O.)
- OKAMURA, SOGO (A'52-M'57), Prof., Univ. of Tokyo, Elec. Engr. Dept., Faculty of Engrg., 1 Motofulj-cho, Bunkyo-ku, Tokyo, Japan.
- OKAMURA, SUSUMU (SM'56), Deputy Chief In Chg. of Research & Dev., Elec. Communication Lab., Nippon Tele-phone & Telegraph Public Corp., 1551 Kichijoji, Mussahino-
- Shi, Tokyo, Japan, Shi, Tokyo, Japan, OKAZAKI, BUNZI (A'54), Electronic Equipment Industry Div., Nippon Electric Co., LTD, 1753 Simonumabe, Kawasaki-Si, Kanagawa-Ken, Japan.
- OKEAN, HERMAN C. (S'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. O'KEEFE, BERNARD J. (SM'58), V.P., Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.
- Mass.

 O'KEFFE, EUGENE W. (S'54-A'55), Chemical Engr., GE
 Co., 2151 S. 1st St., San Jose, Calif.
 O'KEFFE, RONALD W. (M'59), 2nd. Lt., U.S. Army Corps
 of Engrs., Co. C., 70th Engr. Bn (C), Ft. Campbell, Ky
 O'KEFFE, WILLIAM C. (A'55), Field Engr., Natl. Scientific
 Labs., 2010 Massachusetts Ave., Washington, D.C.
- Labs., 2010 Massacrusetts Ave., wasnington, D.C.
 O'KEEFE, WILLIAM D. (S'56-M'58), Engrg. Dept., Allis
 Chalmers Mfg. Co., West Allis, Wis.
 O'KEEFE, WILLIAM J. (SM'57), Fairchild Semiconductor
 Corp., 877 Charleston Rd., Palo Alto, Calif.
 O'KELLEY, HAROLD E. (M'53-SM'56), Sect. Head, Radiation, Inc., Melbourne, Fla.
 OKEN CTANIEV (C151-A155), Protect Supre., Ford In-
- OKEN, STANLEY (S'51-A'55), Project Supvr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- OKIMOTO, JOE Y. (S'57-M'58), Elec. Engr., Hughes Aircraft Co., Culver City, Calif. OKINO, YASUO T. (S'55-M'57), Assoc. Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Bivd., Santa Monica, Calif.
- Calif.

 OKOCHI, JOHN A. M. (M'54), Prof., The Kanagawa Univ.,
 Rokkakubashi, Kohoku-ku, Yokohama, Japan.

 OKONIEWSKI, JOHN S. (S'57-A'59), System Design Engr.,
 2 Alice St., Vestal, N.Y.

 OKONSKI, CHESTER B. (S'42-A'45-M'55), Project Engr.,
 The Wurlitzer Co., North Tonawanda, N.Y.

 OKONSKI, ERNEST S. (A'55), Research Electronics Engr.,
 Comell Aeronautical Lab., Inc., 4455 Genesee St., Buffalo
 6, N.Y.

- OKORONKWO, KANU (S'53-A'55), Maint. Engr., C8S-TV, 485 Madison Ave., New York, N.Y.

- OKORONKWO, KANU (S'53-A'55), Maint. Engr., C8S-TV, 485 Madison Ave., New York, N.Y.

 OKRENT, JASPER J. (S'37-A'40-M'44-SM'46), Asst.
 Chief Design Engr., Hazeltine Electronics Div., 59-25
 Little Neck Pikwy., Little Neck 62. L.I. N.Y.

 OKRESS, ERNEST C. (A'44-SM'45), Advisory Engr., Westinghouse Elec. Corp., Elmira, N.Y.

 OKUBO, GEORGE H. (S'57-M'59), Elec. Engr., Hughes
 Aircraft Co., Culver City, Calif.

 OKUN, ABE M. (M'45-SM'55), Chief, Avionics Sect., Aircraft Div., Bell Aircraft Corp., 80x 1, 8uffalo 5, N.Y.

 OKUNA, THOMAS M. (A'54), Owner, Electric Shop, S.R.
 Box 13, Naalehu, Hawaii.

 OKUNA, OSHHIRO (M'58), 742 Yamashita-cho, Kishiwada, Kishiwado-Kyokukunal, Osaka, Japan.

 OKURA, TSUNEHIKO (M'58), Research Staff, Shimadzu
 Seisakusho Ltd., 18 Kuwabaracho, Nishinokyo,
 Nakayoku, Kyoto, Japan.

 OKWIT, SEYMOUR (A'55), Research Engr., Airborne Instruments Lab., 160 Old Country Rd., Garden City, L.I., N.Y.

 OLANDER, WILLIAM O. (M'58), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.

 OLBRYCH, JOHN E. (S'53-A'55), Assoc. Engr., Avco Research & Advanced Dev., Lawrence, Mass.

 OLCOTT, EGBERT W. (M'57), Mem. Tech. Staff, Bell Tel.
 Labs., Ad3 Wess St., New York 14, N.Y.

 OLCOVICH, THEODORE A. (A'54), Project Engr., Countermeasures, Naval Ordnance Lab., Corona, Calif.

 OLDANI, CHARLES M. (A'54-M'56), IBM Rep., System
 Development Corp., 2500 Colorado, Santa Monica, Calif.

 OLDANI, CHARLES M. (A'54-M'56), IBM Rep., System
 Development Corp., 2500 Colorado, Santa Monica, Calif.

 OLDHAM, KENNET H.W. (S'35-M'37), Free Lance Tech. Editor, S427, S. Inoleside Ave., Chicano 15 III.

 OLDHAM, KENNET H.W. (S'35-M'37), Free Lance Tech. Editor, S427, S. Inoleside Ave., Chicano 15 III.

 OLDHAM, KENNET H.W. (S'35-M'37), Free Lance Tech. Editor, S427, S. Inoleside Ave., Chicano 15 III.

- OLDING, N. R. (A'45-M'45-5M'54), Natl. Uperations Engr., Canadian Broadcasting Corp., Box 10, Snowdon, Montreal, P.Q., Canada.
- OLDMIXON, E. ROBERT (A'43), Test Methods Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. OLDS, MILO L. (M'57), Project Engr., Army Dept., Ft.

- Belvoir, Va.

 OLDWINE, CORNELIUS V. (S'58-A'59), Electronics Technician, IBM, Endicott, N.Y.

 O'LEARY, DENIS F. (S'49-A'54-M'58), Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 OLEESKY, SAMUEL S. (SM'53), Chief Scientist, Zenith
 Plastics Co., Box 91, Gardena, Calif.

 OLEN, CARLL. (A'38), Sr. Lecturer Engrg. Dept., Univ.
 of Stellenbosch, Stellenbosch, C.P., South Africa.

 OLER, CHARLES B. (SM'54), Prof., U.S. Naval Postgraduate
 School, Monterey, Calif.

 OLESEN, CHESTER E. (M'56), Test Engr., Convair-Astronautics, San Diego, Calif.
- OLESKY, MICHAEL (A'59), 857 E. Milton Ave., Rahway,

- N. J.
 OLESON, OONALD R. (M'56), Electronics Engr., Hamilton Standard, Main, Broad Brook, Conn.
 OLEVSKY, BENJAMIN (A'52), Project Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 OLEWINE, WILLIAM P. (S'49-A'50-M'56), Washington Rep., U.S. Naval Ordnance Lab., Corona, Calif., c/o U.S. Naval Ordnance Lab., Corona, Calif., c/o U.S. Naval Ordnance Lab., White Oaks, Md.
 OLEYAR, MICHAEL, JR. (M'58), Engr., GE Co., Syracuse, N.Y.

- N.Y.

 OLHA, WILLIAM R. (S'48-A'49-M'55), Electronics Engr., Perkin-Elmer Corp., Main Ave., Norwalk, Conn.

 OLICK, JACK (A'47), Assoc. Staff Mem., Sr. Tech. Writer, Genl. Precision Lab., 63 Bedford Rd., Pleasanstville, N.Y.

 OLIN, IRWIN D. (S'49-A'50-M'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 OLIN, ROBERT W. (M'56), Dir., Planning Potlatch Forests, Inc., Lewiston, Idaho.

 OLIN, RONALD P. (S'56-M'58), Engr., ITT Labs., Nutley 10, N.J.
- OLIN, WILBER C. (S'55-M'57), Staff Asst., Chesapeake & Potomac Telephone Co., 930 H St., N.W., Washington 20, D.C.

- Potomac Teleprone Co., 930 H St., N.W., Washington 20, D.C.

 OLINER, ARTHUR A. (M'47-SM'52), Research Prof., Microwave Research Institute, Polytechnic Institute of Brooklyn, 55 Johnson St., Brooklyn J. N.Y.

 OLINGER, ALLEN M., JR. (A'57), 450 Sutter St., San Francisco 8, Calif.

 OLIPHANT, ALEXANDER J. (A'55-M'57), Electronics Engr., Bruce Peebles & Co., Ltd., Edinburgh, Scotland.

 OLIPHANT, WILLIAM D. (A'31-M'38-SM'43), Sr. Lecturer, Electronics & Telecommunications, Heriot-Watt College, Chambers St., Edinburgh 1, Scotland.

 OLIVA, FRANCIS J. (S'50-A'51-M'56), Mgr., Test Equipment Services, IBM, Poughkeepsie, N.Y.

 OLIVARES, JOSE E., JR. (S'55-A'56), Hughes Aircraft Co., Culver City, Calif.

 OLIVE, DAVID W. (S'48-A'51-M'56), Asst. Prof., Elec. Engrg., Univ. of Nebraska, Lincoln, Neb.

 OLIVE, GEORGE A. (S'49-A'50-M'57), Research Engr., RCA Labs., Princeton, N.J.

 OLIVE, GORDON W. (A'29-VA'39-F'51), Retired, R.R. 2, Gananoque, Ont., Canada.

- Ganarroque, Ont., Canada.

 OLIVER, BERNARD M. (A'40-M'46-SM'53-F'54), V.P., Research & Dev., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 OLIVER, CALVIN W. (S'52-A'54-M'59), Elec. Engr., Bell Tel. Labs., Winston-Salem, N.C.
 OLIVER, DONALD S. (M'59), Sr. Electronics Engr., Itek Corp., Trapelo Rd., Waltham, Masc.
 OLIVER, DONALD S. (S'48-M'52), Project Engr., Motorola, Inc., 3102 N. 56 St., Phoenix. Ariz.
 OLIVER, EDWARD F. (A'55), Sr. Research Engr., Convair-Astronautics, San Diego, Calif.
 OLIVER, ERNEST (M'47), Mng. Dir., Fluorescent Lightning & Television Development Pty., Ltd., 27 Hope St., South Brisbane, Queensland, Australia.
 OLIVER, GEORGE W. (A'52-M'58), Electronics Engr., Convair-Astronautics, San Diego 12, Calif.
 OLIVER, GEORGE W. (A'52-M'58), Electronics Engr., Convair-Astronautics, San Diego 12, Calif.
 OLIVER, JAMES R. (M'52), Sr. Engr., Norair Div., Northrop Corp., Hawthorne, Calif.
 OLIVER, JAMES R. (M'52), Sr. Engr., Norair Div., Northrop Corp., Hawthorne, Calif.
 OLIVER, JOHN K. (S'42-A'45-SM'54), Chief, Operations Div., Electronic Environmental Test Dept., U.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.
 OLIVER, JOHN K. (S'42-A'45-SM'59), Mem. Tech. Staff, RCA, 2720 E. Broadway. Tucson. Ariz.

- CILVER, JOHN K., JR. (S.154-M-159), Mem. Tech. Staff, RCA, 2720 E. Broadway, Tucson, Ariz.

 OLIVER, JOHN V. (A'56), Test Equipment Supvr., Canadian Marconi Co., 80x 994, St. John's, Nfld., Canada.

 OLIVER, MARION E. (S'55-M'56), Assoc. Engr., Applied Physics Lab., H.C., The Johns Hopkins Univ., Silver Spring, Md.
- Spring, Md.
 OLIVER, OSCAR, JR. (S'50-A'53-M'58), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 OLIVER, ROLAND B., JR. (S'56-M'56), Project Administrator, USAF Ballistic Missile Div., Unit P.O., Los Angeles
 45, Calif.
- 45, Calif.

 OLIVER, WALLACE L. (M'56), Owner, Physical Enterprises, 517 McCormick Blvd., London, Ont., Canada.

 OLIVER, WILLIAM G. (M'51), Mgr., Quality Control, Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

 OLIVERIO, ALFRED P. (M'54), Field Engr., Neely Enterprises, 3939 Lankershim Blvd., North Hollywood, Calif.

 OLIVERIO, ANTHONY D. (M'56), Sales Engr., Keithley Instruments, Inc., 5817 Baltimore Blvd., Riverdale, Md.
- Md.

 OLIVERO, MANUEL A. (M'56), Elec. Inspector, Dept. of Transport, Steamship Inspection Service, Hunter Bidg., Ottawa, Ont., Canada.

 OLIVEROS, CHARLES G., JR. (A'54), Major, USAF, Engrg. Analyst, Air Technical Intelligence Center, Wright-Patterson AFB, Ohno.

 OLIVERSON, MELVIN (A'56), Electronics Instr., Chaffey College, 1245 N. Euclid, Ontario, Calif.

 OLIVIER, ROGER M. (S'50-A'51-M'56), Instrumentation Engrg. Rep., Ampex Corp., 423 Bloomfield Ave., Montclair, N.J.

- OLIWA, WALTER S. (A'52), Operations Mgr., Electronics Div., Monroe Calculating Machine Co., 555 Mitchell St.,
- DLIWA, WALTER S. (A 32), Operations way., Electronics Div., Mannoe Calculating Machine Co., 555 M tchell St., Orange, N.J. OLKEN, HYMAN (A'42-M'58), Electronics Engr., Univ. of California Radiation Lab., Livermore, Calif. OLLENBURG, MILTON A. (A'47), Specification Engr., Centralab Oiv., Globe Union, 900 E. Keefe Ave., Milwaukee 12, Wis.
- OLLENDORF, JOEL (M'57), Design Engr., RCA, Semicon-ductor Div., Somerville, N.J. OLLENDORFF, FRANZ (SM'52), Prof., Electrotechnology, Israel Institute of Technology, Box 910, Halfa, Israel.
- ISTACE: INSTITUTE OF TECHNOLOGY, BOX 910, Halfa, ISTACL.

 OLLIKKALA, ELMER E. (S'50-A'51-M'57), Electronics
 Engr., RCA Service Co., Patrick AF8, Fla.

 OLIS, J. HARRY (S'53-M'55), Test Engr., RCA, Somerville, N.J.

- ville, N.J.

 OLLIVE, JOHN F. (S'52-A'53-M'58), Project Engr.,
 IBM, Military Prods. Oiv., Kingston, N.Y.

 DLMSTEAD, JOHN A. (M'58), Asst. Prof., Elec. Engrg.,
 Univ. of Buffalo, Buffalo, N.Y.

 OLMSTEAD, NOEL C. (A'27-M'42-SM'53), Mem. Tech.
 Staff, Belf Tel. Labs., Whippany, N.J.

 OLMSTED, DONALD T. (A'52-SM'56), Mam. Tech.
 Staff, Tech. Military Planning Operation, GE Co., 735
 State St., Santa Barbara, Calif.

 OLMSTED, DORFETW. (M'56), Dir. Mktg., Magnetics.

- State St., Santa Barbara, Calif.

 OLMSTED, ROBERT W. (M'56), Dir., Mktg., Magnetics, Inc., Butler, Pa.

 OLNEY, VIERECK W. (A'46-M'54), Engr., Forbes & Wagner, Inc., 345 Central Ave., Silver Creek, N.Y.

 O'LOAN, WALTER R. (SM'58), Genl. Foreman, Sylvania Elec. Prods., Inc., Rt. 202, Hillsboro, N. H.

 O'LOUGHLIN, JOHN B., (M'59), Pres., O'Loughlin Electronics, 126 W. 12, Hays, Kan.

 OLSEEN, ERIC E. (A'55), Sr. Electronics Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 OLSEFSKY, CHARLES C. (S'51-A'52-M'56-SM'57), Suprt., Guidance & Controls Dept., Lockheed Missile & Space Div., Box 2121, Van Nuys, Calif.

 OLSEN, EUGENE U. (A'31-VA'39-M'55), Suprt., RCA
- & Space Div., Box 2121, Van Nuys, Calir.
 OLSEN, EUGENE U. (A'31-VA'39-M'55), Supt., RCA
 Victor Div., Tube Dept., Harrison, N.J.
 OLSEN, HOWARD G. (M'54), Field Engr., Jet Propulsion
 Lab., California Institute of Technology, 4800 Oak Grove
 Dr., Pasadena, Calif.
- USEN, JOHN C. (M'53), Dir., Engrg, Div., Far East Network Hurs., APO 925, San Francisco, Calif.

 OLSEN, KENNETH H. (S'48-A'53), Engr., Digital Equipment Corp., Maynard, Mass.

 OLSEN, LOWELL V. (S'51-A'51-M'56), Sr. Engr.,
 Nortronics Div., Northrop Aircraft Co., Hawthome,
 Calif.

- OLSEN, LYNN F. (A'57), Studio Engr., KVIP-TV, 2770 Pioneer Dr., Redding, Calif.
- Pioneer Dr., Redding, Calif.

 OLSEN, MERLE V. (M'58), Assoc. Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 OLSEN, MERMOND R. (S'50-A'52-M'57), Dir., Quality Control, Telex, St. Paul 1, Minn.

 OLSEN, RAGNAR M. (S'56-M'58), Research Engr., Govt. Programs, Cook Research Labs., 6401 Oakton St., Morton Grove, Ill.
- OLSEN, ROBERT C. (A'52), Electronic Scientist, U.S. Naval Avionics Facility, 218 Arlington St., Indianapolis,

- Naval Avionics's actiffy, 218 Artington St., Indianaports, Ind.

 OLSEN, ROBERT T. (A'55), Owner, Argus Radio & Electronic Service, 86-25 162 St., Jamica 32, L.I., N.Y.

 OLSEN, WALTER E. (A'43), Watch Head, RCA Communications, Inc., Moriches Rd., Riverhead, L.I. N.Y.

 OLSHAN, SAMUEL (M'56), Project Engr., Admiral Corp., 3800 W. Cortland St., Chitagoa 47, Ill.

 OLSON, ALVIN B. (SM'57), Project Engr., Litton Industries, 339 N. Maole, Beverly Hills, Calif.

 OLSON, ALVOR E. (A'39), Owner, Mobile Radiotelephone System, 315 W. 7 St., Eureka, Calif.

 OLSON, BEN A. (A'52-M'54), Chief Engr., Components, Victoreen Instrument Corp., 5806 Hough, Cleveland, Ohio.

 OLSON, BRUCE V. (S'50-A'52-M'58), Research Engr., Developmental Center, Boeing Airplane Co., 9725 E. Marginal Way, Seattle, Wash.

- Marginal Way, Seattle, Wash.

 OLSON, CARL V. (M'51), Patent Atty., RCA Labs.,
 Princeton, N.J.

 OLSON, CHARLES E. (A'54), Sr. Engr., Martin Co.,
 Box 173, Denver 1. Colo.

 OLSON, CHARLES G. (S'50-A'52-M'57), Elec. Engr., Public Service Co. of Colorado, 1123 W. 3rd Ave., Denver, Colo

 OLSON, CHARLES L. (S'50-A'52-M'56), Dev. Engr., RCA,
 Camden, N.J.
- OLSON, CHARLES L. (S'50-A'52-M'56), Dev. Engr., RCA, Camden, N.J. OLSON, CHARLES W. (S'49-A'50-M'58), Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y. OLSON, CONRAD P., JR. (A'44-M'47), Research Engr., Hughes Aircraft Co., Ground Systems Div., Fullerton, Calif.
- Hughes Aircraft Co., Ground Systems Oiv., Fullerton, Calif. OLSON, DONALD L. (5'49-A'50), Electronics Engr., U.S. Naval Torpedo Sta., Keyport, Wash. OLSON, DONALD R. (A'45-M'55), Transmission & Protection Engr., Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 26, Mich.
- Mich.
 OLSON, DONALD S. (S'53-A'54), Lead Engr., Missile Test, Boeing Airplane Co., E. Marginal Way, Seattle, Wash.
 OLSON, EARL R. (M'57), V.P., Engrg., Halex, Inc., 310
 E. Imperial Hwy., El Seoundo, Calif.
 OLSON, EOWIN H. (S'54-A'55), Woodlawn Ave., Chesterton,
- OLSON, ELOF (A'30-SM'47), Mgr., Engrg. Dept., TV-Radio Div., Canadian Westinghouse Co., Ltd., Canal Rd., Branford, Ont., Canada.
- OLSON, FREDERICK A. (A'42-M'45), Engr., GE Co., Utica,
- ULSUN, FREDERICK A. (A'42-M'45), Engr., GE Co., Utica, N.Y.

 OLSON, GEORGE A. (5'52-A'54-M'59), Elec. Engr., Pure Oil Research & Develooment Lab. Crystal Lake. III

 OLSON, HARRY F. (A'37-VA'39-SM'48-F'49), Dir., Acoustical & Electromechanical Lab., RCA Labs., Princeton, N.J. OLSON, HENRY D. (5'51-A'55), Research Engr. Stanford Research Insititue, Menio Park, Calif.

 OLSON, HILDING M. (M'53), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 OLSON, JOHN B. (M'55), Chief Engr., Computer Measurements Co., 5528 Vineland Ave., North Hollywood, Calif.

 OLSON, JOHN W. (5'57-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 OLSON, KENNETHA. (S'44-A'45-M'55), Sr. Elec. Engr., Minnesota Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.

- OLSON, MARVIN W. (A'57-M'58), Designer, Douglas Aircraft Co., 3000 Ocean Pk., Santa Monica, Calif.
 OLSON, MILTON H. (S'57-M'59), Engr., U.S. Navy Missile Center, Point Mugu, Calif.
 OLSON, N. KERMIT (M'54), Sr. Engr., Pacific Telephone & Telegraph Co., 702 Exchange Bidg., Seattle 4. Wash.
 OLSON, NORMAN L. (A'54), Staff Engr., Scantlin Electronics, 2215 Colby Ave., Los Angeles 64, Calif.
 OLSON, OLOF F. (A'47-M'47), Jr. Engr., Consolidated Edison Co. of New York, Inc., 4 Irving Pl., New York 3, N.Y.
 OLSON, OSCAR P. (S'52-A'54-M'59), Asst. Engr., Collins Radio Co., 2700 W. Olive, Burbank, Calif.
 OLSON, RICHARO C. (S'53-A'54-M'59), Sales Engr., Carborumdum Co., Perth Amboy, N.J.

- borumdum Co., Perth Amboy, N.J.
 OLSON, RICHARD E. (S'57-A'57), Technician MIT, Lincoln
 Lab., Lexington 73, Mass.
 OLSON, RICHARD F. (S'56-M'57), Elec. Design Engr.,
 Lockheed Missiles & Space Div., Sunnvvale. Calif.
 OLSON, RICHARD G. (S'55-M'56), Nuclear & Control Engr.,
 Atomic Power Development Associates, Inc., 1911 1st St.,
 Detroit, 26, Mich.
- Detroit, 26, Mich.

 OLSON, ROBERT C. (S'55-M'58), Research & Dev. Officer, Comdr., Submarine Development Group 2, Submarine Base, New London, Conn.

 OLSON, ROBERT E. (A'50-M'52-SM'58), Test Methods Engr. RCA, Rt. 62, Burlington, Mass.

- RCA, Rt. 62, Burlington, Mass.
 OLSON, ROBERT E. (S'43-A'45-M'54), Electronics Engr.,
 RCA Service Co., Cocoa, Fla.
 OLSON, ROBERT L. (SM'58), Asst. Dir., Research & Dev.,
 Collins Radio Co., Cedar Rapid. Iowa.
 OLSON, ROBERT W. (M'46-SM'53), V.P., Research & Engrg.,
 Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9,

- Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 OLSON, ROGER E. (S'56-M'5B), Test Engr., Northrop Aircraft, Inc., Hawthome, Calif.

 OLSON, ROLAND D. (S'57-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City 1, Calif.

 OLSON, ROY E. (M'57), Physicist, Eitel-McCullough, 798 San Mateo Ave., San Bruno, Calif.

 OLSON, ROY H. (SM'53), Mgr., Chicago Military Electronics Center, Motorola, Inc., 4545 Augusta Bivd., Chicago 51, Ill.

 OLSON, STANLEY R. (S'53-A'54), Project Mgr., R & D. Olv., Smith Corona Marchant, Inc., 6701 San Pablo Ave., Oakland 2, Calif.

 OLSON, THOMAS H. (S'53-M'55), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 OLSON, VERNON E. (M'59), Liaison Engr., Lockheed Missile & Snace Oiv., Palo Alth, Calif.

 OLSON, VICTOR E. (A'58), Asst. Mgr., Warren Radio Co., 24 Logan, S. W., Grand Rapids, Mich.

 OLSON, WAYNE R. (S'54-A'54), Elec. Engr., Westinghouse Elec. Corp., Box 1997, Baltimore 3, Md.

- Elec. Corp., Box 1897, Baltimore 3, Md.
 OLSON, WILLIAM J. (S'45-A'50-M'55), Research Engr.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.
 OLSSON, CARLO (M'56), Pres., Oltronix Inc., 235 Underwood Dr., N.W., Atlanta 5, Ga.
 OLSSON, EDWIN A. (S'53-M'56), Group Leader, Hycon
 Eastern, Inc., 75 Cambridge Pkwy., Cambridge, Mass.
 OLSSON, EJVIND A. (S'57-M'59), Engr., Boeing Airplane
 Co., Renton, Wash.
- Co., Renton, Wash.

 OLSSON-SEFFER, ROBERT (A'39), Driftingenior, Royal Swedish Air Forces, Central Aircraft Works, Arhoga, Swe OLSZANSKI, HENRYK J. (M'56), Chief, Group for Geni. Constructions & Consultation. Microwave Detp., L.M. Ericsson Telefonaktiebolaget, Stockholm, Sweden.
- LTICSSON Telefonaxiteoplager, Stockholm, Sweden.

 OLSZEWSKI, LEONARD V. (A'50), Mal, USAF, Communications & Electronics Officer, Home: 1 Crow St., Plains, Pa.

 OLSZEWSKI, WALTER R. (S'50-A'51), Sr. Engr., Sperry

 Gymscope Co., Great Neck. L.I., N.Y.

 OLTHETEN, JACQUES B. (M'59), Field Engr., Philips

 Electronics Industries, 116 Vanderhoof Ave., Toronto 17,

 Ont., Canada.
- Off., Canada.

 OLTHUIS, ROBERT W. (S'44-A'51-M'56), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 OLTMAN, H. GEORGE, JR. (S'50-M'55-SM'57), Physicist, Ejectronic Specialty Co., 5121 San Fernando Rd.,
 Los Angeles 39, Callf.

- Los Angeles 39, Callf.
 OLVING, SVEN (M'57), Assoc. Prof., Chalmers Univ. of Technology, Gibraltargatan, Gothenburg, Sweden.
 O'MALEY, JAMES B. (M'54), Head, Test Equipment Sect., Kollsman Instrument Corp., 80-08 45 Ave., Elmburst, L.I., N.Y.
 O'MALLEY, MICHAEL (A'53), Elec. Engr., Electronics Co. of Ireland, 407 Liberty Trust Bidg., Philadelphia, Pa.
 OMAN, NILS J. (A'29-VA'39-M'55), Engr., RCA, Camden, N.J.
- OMAN, RICHARO M. (A'55), Remington Rand Univac, St. Paul 16, Minn.
- OMBERG, ARTHUR C. (M'43-SM'43), Genl. Mgr., Bendix Prods., Missiles, Bendix Aviation Comp., Mishawaka,
- Ind.
 O'MEARA, THOMAS J. (A'50-M'55), Electronics Engr.,
 New York Naval Shipyard, Brooklyn 1, N.Y.
 O'MEARA, WILLIAM J. (A'48-M'55), Sales Engr., GawlerKnoop Co., 835 Glenside Ave., Wyncote, Pa.
 OMER, CHARLES L. (SM'52), Consulting Engr., 6047
 Howe Or., Mission, Kan.
 OMI, HANZO (SM'53), Mng. Dir.-in-Chg. of Engrg., Fuji
 Communication Apparatus Mfg. Co., 1015 Kamiodanaka,
 Kawasaki, Japan.
 OMIVA. CLAPENCE I. (\$155-M157). Electronics Engr., Con.

- Kawasaki, Japan.

 OMIYA, CLARENCE I. (S'55-M'57), Electronics Engr., Convair Astronautics, San Diego 17, Calif.

 OMIYA, RICHARD Y. (S'55-M'58), Electronics Engr.,
 Convair, Box 1011, Pomona, Calif.

 OMORI, SHUNICHI (M'56), Chief, 2nd Sect., Standards
 Oiv., Electrotechnical Lab., 2, Nagatacho, Chlyoda-Ku,
 Tokyo, Japan.

- Tokyo, Japan.

 OMOTH, MARTIN J. (S'52-A'53-M'57), Flight Test Radio Ener., Boeing Airplane Co., Seattle, Wash.

 O'NAN, ROBERT L. (S'52-A'53-M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 ONCLEY, FAUL B. (M'56), Research Epeciallet, Boeino Airplane Co., Seattle, Wash.

 ONDER, KERIM (J'34-A'35-M'45-SM'45), Engr.-In-Chg., Circult Research Lab., 617 W. 113 St., New York 25, N.Y.
- N.T.
 ONDROCZKY, OTTO A. (M'58), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 O'NEAL, C. D. (A'52-M'55), Dir., Electronics Research, Fidelitone, Inc., 6415 Ravenswood Ave., Chicago 26, III.

- O'NEAL, KENNETH R. (S'49-A'51-M'56), Field Engr., Neely Enterprises, 1055 Shafter St., San Diego 6, Calif. O'NEAL, RALPH K. (A'53), Electronics Engr., Instr., Avionics Tiaining Unit, Aeronautical Center, AC-680.5, Box 1082, Oklahoma City, Okla.
- Dix Los, Oktanoma City, Okta.

 O'NEAL, RUSSELL D. (SM'5O), Genl. Mgr., Bendix Systems Div., Bendix Aviation Corp., Ann Arbor, Mich.

 O'NEAL, WILBERT O. (M'56), Sr. Prod. Engr., The Vendo Co., 7400 E. 12 St., Kansas City, Mo.

 O'NEAL, WILLIAM C. (M'58), 84 Highland Ave., Manhattan Beach, Calif.

- NELLA, WILLIAM C. IM 'D8J, 84 Highland Ave., Manhattan Beach, Calif.

 O'NEEL, WILLIAM E. (S'56-M'59), 2 Lt., USAF, Rome Air Oevelopment Center, Griffiss AFB, N.Y.

 O'NEIL, ARTHUR R. (A'46-M'55), Asst. Genl. Mgr. & Chief Engr., WSBT-AM-TV, 300 W. Jefferson Bivd., South Bend 1, Ind.

 O'NEIL, CHARLES E. (S'52-A'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Semiconductor Oliv., Airport Star, Los Angeles 45, Calif.

 O'NEIL, J. ALAN (A'43-M'55), Recording Supvr., NBC, 420 Taylor St., San Francisco 2, Calif.

 O'NEIL, JOHN J. (M'58), Deputy Oir., Suppression & Genl. Engr. Oliv., U.S. Army Research & Oevelopment Lab., Ft. Monmouth, N.J.

 O'NEIL, JOSEPH F. JR. (A'55), Electronic Scientist. Ac.

- Monmouth, N. J.

 O'NEIL, JOSEPH F., JR. (A'55), Electronic Scientist, AF
 Cambridge Research Center, Hanscom AFB, Bedford, Mass.
 O'NEIL, PAUL T. (M'58), Mgr., Special Projects Engrg.,
 RCA, Camden, N. J.
 O'NEIL, ROBERT E., JR. (M'58), Electronics Scientist,
 Air Force Cambridge Research Center, Hanscom Field,
- Air Force Cambridge Nesearch Center, Hanscom Field, Mass.

 O'NEIL, STEPHEN J. (A'51-M'56), Pres. & Oir., Research, Systems Engrg., Inc., 38 Ward St., Lexington 73, Mass.

 O'NEIL, WILLIAM F. (M'58), Stability & Control Engr., Oouglas Aircraft Co., El Segundo, Callf.

 O'NEIL, WILLIAM T. (A'47-M'55), Sr. Design Engr., Gilfillan Bros., 1815 Venice Blvd., Los Angeles 6, Calif.

 O'NEILL, EOWARD P. (A'53-M'58), Sales Engr., Texas Instruments, Inc., 99 Park Ave., New York 16, N.Y.

 O'NEILL, GEORGE A. (S'55-M'57), Engr., Canadair, Ltd., Cartlerville, P.Q., Canada.

 O'NEILL, GEORGE A. (M'56), Test Engr., IBM, Pough-keepsie, N.Y.

 O'NEILL, JAMES F. (A'53-M'58), Field Engr., Micro Switch, Freeport, III.

 O'NEILL, JAMES F. (A'53-M'58), Field Engr., Miltary Component Engrg., Lenkurt Electric Co., Inc., 1105

 County Rd., San Carlos, Callf.

 O'NEILL, JOSEPH E. (S'56-M'58), 1210 Hull St., Ypsi-

- COUNTY NO., San Carlos, Calif.
 O'NEILL, JOSEPH E. (S'56-M'58), 1210 Hull St., Ypsilanti, Mich.
 O'NEILL, LAWRENCE A. (S'55-M'59), Electronics Engr.,
 Oept. of Defense, Ft. Meade, Md.
 O'NEILL, LAWRENCE H. (A'47-SM'54), Prof., Elec.
 Engrs., Columbia Univ., New York 27, N.Y.; Dir., Electronics Research Labs., 632 W. 125 St., New York 27,

- Chief Commuta Unitv., New York 27, N.Y.; Öir., Electronics Research Labs., 632 W. 125 St., New York 27, N.Y.

 O'NEILL, MICHAEL P. (S'56-M'58), Engr., Esso Research & Engra. Co., Linden, N.J.

 O'NEILL, ROGER M. (S'56-M'57), Sr. Engr., American Bosch Arma Corp., 5857 W. 95 St., Oak Lawn, III.

 ONG, ALGERNON M. (S'49-A'50), Electronics Engr., Cubic Corp., 5575 Keamy Villa Rd., San Olego 11, Calif. ONG, CHARLES J., SR. (M'57), Control Systems Engr., Westinghouse Elec. Corp., Box 1526, Pittsburgh 30, Pa. ONG, FLOYD C. (A'37-SM'46), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 ONG, HAN-YAO (A'43-M'55), Radio Engr., Dir., Tech. Supply & Procurement Office, Broadcasting Corp. of China, 53 Ren-ai Rd., Sect. 3, Taipel, Taiwan, Formosa.

 ONIA, JOHN (A'51-M'58), Engrg. Supvr., Curtiss-Wright Corp., 50500 Mound Rd., Utica, Mich.

 ONN, WILLIAM R. (A'52-M'57), Chief Engr., CHLO, Ltd., 133 Curtis St., St. Thomas, Ont., Canada.

 ONIGIAN, PETER K. (A'50-M'56-SM'57), Chief Engr., Sacramento Industrial TV Corp., Chief Engr., Jampro Antenna Co., 7500 1 4 Ave., Sacramento, Lamir.coni Co., 2442 Trenton Ave., Montreal 16, Canada.

 ONOC, MORIO (M'58), Asst. Prof., Institute of Industrial Science, Univ. of Tokyo, Chiba-City, Japan.

 ONOYAN, GARABEO G. (A'56), Radar Interconnections & Controls Engr., RayHoon Mfg. Co., Wayland, Mass.

 ONSAGER, RALPH W. (S'56-M'58), Prod. Engr., Centralab Div., Globe Union, Inc., 900 E. Keefe Ave., Milwaukee, Wis.

- Wis.
 ONSTAD, PETER R. (S'56-M'58), Jr. Engr., AC Spark
 Plug Div., Milwaukee 2, Wis.
 ONSTAD, REUBEN C. (M'57), Sr. Electronics Engr., Convair-Astronautics, San Diego, Calif.
 ONTIVEROS, PETE C. (SM'58), Sr. Project Staff Engr.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.
 ONYSHKEVYCH, LUBOMYR S, (S'54-M'56), Mem. Research Staff, RCA Labs., Princeton, N.J.

 NOSCHIM MECHEL (AGA MAGA), Mrs. Engr., Mac.
- SCHOOL STATE , NUM LADS., PTILICECON, N.J.. ONYSKIN, MICHAEL (4'34-M'48), Mfg. Engrg. Mgr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. ONYSYK, JOHN (4'54), Systems Test Technician, IBM, Kingston, N.Y.
- OliMAN, ALBERT (SM'52), Mem., Bd., Mngt., N.V. Philips' Gloeilampenfabricken, Eindhoven, Noord-Brabant,
- OONO, YOSIRO (SM'57), Faculty of Engrg., Kyushu Univ.,
- Hukuoka, Japan.

 ORTHUYS, HENDRIK J. (M'46-SM'55), Assoc. Prof., Elec. Engrg. Dept., Oregon State College, Corvallis, Ore. OOT. ROBERT F. (A'53), Engr., EC Co., Utica. N.Y. OP DEN ORTH, J. M. (SM'57), Mem., Netherlands Patent Office, Willer Witsenplein 6, The Hague, Netherlands. OPHEIM, LEONARD E. (A'58), Field Service Rep., GE Co., Syracuse, N.Y.

 OPIE, ALDEN (A'46-M'51-SM'57), Toll Program Engr., Southern Bell Tel. & Tel. Co., Hurt Bidg., Attanta, Ga. OPIELA, ALEXANDER D., JR. (A'53-M'58), Systems Dev. Specialist, Defense Research Lab., 80x 8029 Austin 12, Tex.

 OPLINGER, ERNEST J. (M'58). Chief. Flee Production
- AUSTIN 12, 18X.

 OPLINGER, ERNEST J. (M'58), Chief, Elec. Production
 Methods, Leeds & Northrop, North Wales, Pa.

 OPLINGER, JAMES, II. (A'56), Sr. Engrg. Aide, Goodyear
 Aicraft Corp., 1210 Massillion Rd., Akron 15, Ohio.

- OPPEDAHL, CHARLES A. (M'58), Asst. Engr., Collins Radio Co., Cedar Rapids, Jowa. OPPELT, JACK W. (S'55-M'59), 715 Eastlake, Seattle 9, Wash.

- PPENHEIMER, HENRY N. (\$'59-M'58), Engr., ITT Labs., Nurley 10, N.J.

 OPENHEIM, ROBERT H. (M'59), Prop., Miltronics Co., 3733 N. 7 St., Milwaukee 6, Wis.

 OPENHEIMER, DONALD S. (\$M'56), Asst. Dir., Research, Radiation Instrument Development Lab., Inc., 5737 S. Halstead, Chicago 21, III.

 OPENHEIMER, EDWARD P. (M'57), Partner, Harrington Signal Co., 116 17 St., Moline, III.

 OPENHEIMER, FRANK W. (\$'48-A'50-M'55), Investment Analyst, Asiel & Co., 20 Broad St., New York 5, N.Y.

 OPENHEIMER, HENRY N. (\$'54-A'54), \$r. Staff Mem., Geni. Precision Lab., Inc., Pleasantville, N.Y.

 OPENHEIMER, SAMUSEL L. (M'58), 340 S. Kellner

- Geni. Precision Lab., Inc., Pleasantville, N.Y.
 OPPENHEIMER, SAMJUEL L. (M'58), 340 S. Keliner
 Rd., Columbus 9, Ohio.
 OPRISKO, ALBERT F. (A'57), Engrg. Cooridinator,
 Caine Electronic Sales Co., 3020 N. Cicero, Chicago
- Caine E 41, III
- O'QUINN, PALMER D. (S'56-A'59), U.S. Army, Co. E, 16th Soec. 8N., Ft. Jackson S.C. ORAM, DONALD K. (A'24-VA'39), Engr., Sangamo Electric Co., Springfield, III.
- ORANGE, ARNOLD S. (S'56-M'59), 100 Brainerd Rd., Allston, Mass.

- ANAIGE, ANNOLD S. (S 50-M-39), 100 Grainer Rd., Allston, Mass.

 ORANGE, EMMETT S. (M'56), Exec. Asst. to Chief Engr., Electronics Div., Ryan Aeronautical Co., 5650 Kearney Mesa Rd., San Diego 12, Calif.

 ORANGES, DINO F. (S'155-M'58), Microwave Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 ORAZIO, ANGELO F. (S'47-A'49-M'55), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 ORBACH, SOLOMON (M'59). 7 Yoel. Jerusalem. Israel.

 ORDAS, ARTHUR F. (M'57), Staff Engr., Advanced Dev., Magnavox Co., Ft. Wayne, Ind.

 ORDEMANN, FRED A., JR. (A'53), Advisory Engr., I8M Research Center, Box 218, Yorktown Heights, N.Y.

 ORDINACHEV, MILES D. (A'57), Instr., TV Repair & Theory, Bailey Technical Schools, S. Grand, St. Louis 10, Ms.
- 10, Mb.
 ORDING, JAMES R. (A'47), Research Geophysicist, Humble Oil & Refining Co., Box 2180, Houston 1, Tex.
 ORDONIA, JUAN M. (A'54), Shift Supvr., Alaska Communication System, 550 Federal Bidg., Seattle, Wash.
 ORDUNG, PHILIP F. (S'40-A'43-M'48-SM'49-F'59), Yale Univ., Dunham Lab., New Haven, Conn.
 ORE, FRED R. (S'51-A'52-M'57), Eloc. Engr., Collins Radio Co., Cedar Rapids, Iowa.

- Ratho Co., Cedar Rapids, Iowa.

 ORE, GUNTIS A. (S'56-M'57), Dev. Engr., Western Electric Cn., Hawthome Sta., Chicago 23, Ill.

 OREAR, EDWARD R. (M'52-SM'57), Mgr., Sidewinder Engr., GE Co., Utica, N.Y.

 OREFICE, GAETANO T. (S'45-A'52-M'57), Project Engr., Loral Electronics Corn., 825 Bronx River Ave., New York 72, N.Y.
- O'REILLY, GORDON A. (A'39-M'41-SM'43), Douglas Aircraft Co., Inc., 2000 N. Memorial Dr., Tulsa, Okla O'REILLY, JOSEPH P. (A'50-M'55), V.P. & Genl. Mgr., Ferroxcube Corp. of America, E. Bridge St., Saugerties,

- N.Y.

 ORELL, FREDERICK M. (S'56-M'58), Engr., Production Research Corp.. Claremont Ave.. Thormwood, N.Y.

 ORENBERG, ARTHUR (M'55), Sect. Head, National Co., 34 Essex St., Melrose 76, Mas.

 ORENDAC, BERNARD M. (S'53-A'55), Design Engr., GE.Co., 3198 Chestrut St., Philadelphia, Pa.

 ORENSTEIN, EDWARD D. (S'54-M'56), V.P., Elec. Engr., Data Display, Inc., 1820 Como Ave., St., Paul B., Minn.

 ORENSTEIN, NATHAN (S'55-M'58), Jr. Engr., Federal Telecommunication Labs., Nutley 10, N.J.

 ORFORD, RICHARD J. (M'56), Asst. Dept., Head, Avionics Dept., Grumman Aircraft Engrg., Corp., Bethpage, L.I., N.Y.
- ORGAN, WILLIAM H. (SM'57), Asst. V.P., Federal Tele-communication Labs., Nutley 10, N.J. ORHAUG, TORLEIVA. (M'59), Instr., Research Lab., Electronics, Chalmers Univ. of Technology, Gothenburg, Sweden.

- Sweden.

 ORLANDO, ANTHONY J. (M'57), Sr. Engr., Stavid Engrg., Inc., U.S. Hwy. 22, Plainsfield, N.J.

 ORLANDO, NICHOLAS M. (S'56-M'58), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park 8lvd., Santa Monica, Calif.

 ORLANDO, RONALD A. (M'57), Sr. Engr., Hazeltine Electronics Corp., 31-33 Stewart St., Floral Park, L.I., N.Y.
- ORLOWSKI, JOHN S. (A'50-M'55), Sect. Head, Te Publications, Stromberg-Carlson, 100 Carlson Rd., Rochester 9, N.Y.
- ORMAN, LEONARD M. (SM'52), Col., U. S. Army, Dir., Army Tests, Air Force Missile Test Center, Patrick AF8,
- ORME, DONALD T. (S156-A158), 168 Berteau Ave., Elm-horst, III.
- ORMISTON, JOHN W. (A'53), Asst. Engr., Canadian Natl. Telegraphs, 347 Bay St., Toronto, Ont., Canada.
- Telegraphs, 347 Bay St., Toronto, Junt., Canada.
 ORMSBY, RALPH D. (5153-A154), Sr. Research Engr.,
 Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd.,
 Minneapolis 18, Minn.
 ORNER, RALPH J. (A'30-M'46), Dev. Engr., The Seeburg
 Corp., 1510 N. Dayton St., Chicago 22, III.
- CONN. T.J.O. Waston S., Ontago 2., 111. ORNSTEIN, EDWARD (A'50-M'55), Electronic Scientist, Naval Research Lab. (5311), Washington 25, D.C. ORNSTEIN, WILLIAM (A'57), Supvy. Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P.Q., Canada
- Marconi Co., 2442 Trenton Ave., Montreal, P.Q., Canada O'ROURKE, JOHN B. (S'56-M'57), 1808 Palou Ave., San Francisco 24, Calif. OROZCO, GUSTAVO C. (M'57), Chief Engr., Electronica Communicaciones, Ltda "ELCO," Calle 54 *51-41, Medellin, Colombia.

 ORPIN, LIONEL H. (SM'50), Dir., Plans & Programs, Stromberg-Carlson Co., 100 Carlson Rd. Rochester 3, N.Y.
- ORR, BILLY B. (A'50), Instr., DeVry Technical Institute, 4141 W. Belmont Ave., Chicago 41, III. ORR, DEAN W. (S'57-M'59), 5842 N. 62 St., Milwaukee 18, Wis.

- ORR, GEORGE M. (S'49-A'52-M'58), Electronics Engr., Diamond Ordnance Fuze Lab., Washington 25, D.C.
 ORR, JACK A. (A'51-M'58), Microwave Engr., Hughes Aircraft Co., Culver City, Calif.
 ORR, JAMES E. (M'57), Elec. Engr., Litton Industries, 960 Industrial Rd., San Carlos, Calif.
 ORR, JAMRS F. (M'57), Military Electronics Engr., RCA Service Co., Camden B, N.J.
 ORR, JOHN P. (S'53-M'58), Field Engr., AC Spark Plug Div., Milwaukee, Wis.
 ORR, JOHN R. (A'51-M'57), Prod. Design Engr., RCA Victor, Camden B, N.J.

- ORR, LYMAN W. (A'52-M'57), Research Engr., Univ. of Michigan, Ann Arbor, Mich.
- ORR, M. WILLIAM (5'56-M'59), Tool Engr. '8', Boeing Airplane Co., Box 3707, Seattle 24, Wash. ORR, RALPH E. (5'58-A'59), Electronics Technician, AEC, Kansas City, Mo.
- ORR, RICHARD A. (5'56-M'57), Project Engr., Aerojet-Geni. Corp., 6352 N. Irwindale Ave., Azuza, Calif. ORR, ROBERT V. (A'52-M'54), Sr. Engr., Bendix Aviation Corp., 1400 Taylor Ave. Towson 4, Md.
- ORR, ROBERT W. (A'36-VA'39), Mgr., Dev. Engr., Capitron Div., AMP, Inc., 155 Park St., Elizabethtown, Pa.
- Pa.

 ORR, WILLIAM (A'49), Engr., WBNS-TV, 495 Olentangy
 Rd., Columbus, Ohio.

 ORR, WILLIAM D. (M'58), Tech. Data Coordinator, Space
 Technology Labs., 5730 Arbor Vitae, Los Angeles, Calif.

 ORRELL, DONALD B. (M'56), Head Instr., Electronics
 Technology, Oregon Technical Institute, Oretech, Ore.

 ORRICK, ROBERT L., JR. (S'55-M'57), Elec. Engr.,
 Microwave Engrg. Labs., 943 Industrial Ave., Palo
 Alto, Calif.
- ARIO, CAIIT.

 ORRICK, TRUETT W. (M'55), Test Engr., ConvairAstronautics, Edwards AFB, Calif.

 ORRIS, EDWARD C. (S'55-M'58), Research Asst. Ohio
 State Univ. Research Foundation, 2024 Niel, Columbus
 10, Ohio.
- ORSAK, ADOLPH J. (A'54), Engr., KOTV, Inc., 302 S. Frankfort, Tulsa, Okla. ORSAK, LEONARD E. (S'56-M'58), Research Engr., Stanford Research Institute, Menlo Park, Calif.
- Stanford Research Institute, Merio Prafix, Jaili.

 ORSINGER, ALBERT R. (M'5B), Asst. Sales Mgr., Texas Instruments, Inc., 3609 Buffalo Speedway, Houston, Tex.

 ORSZULA, NORSERTR. (S'53-M'57-SM'5B), Elec. Engr., De Leiw, Cather & Co., 150 N. Wacker Dr., Chicago, Ill.

 ORT, DONAD L. (S'51-A'53), Sr. Elec. Engr., Litton Industries, 336 N. Footbill Rd., Beverly Hills, Calif.

- ORT, DONALD L. (S'51-A'53), Sr. Elec. Engr., Litton industries, 336 N. Foothill Rd., Beverly Hills, Calif. ORTH, C. ALAN (S'54-M'56), Design & Dev. Engr., Hazeltine Electronics Div., 59-25 Little Neck Pkwy., Little Neck, L.I., N.Y.
 ORTH, FRANK (A'47-M'48), Asst. Mgr., Radio Tech., Operations, CBS, 485 Madison Ave., New York 22, N.Y.
 ORTH, JOHN T. (A'41-M'46), Chief Engr., Lynchburg Broadcasting Corp., 2320 Langhorne Rd., Lynchburg, Va.
 ORTH, JOHN W. (A'50), Asst. Mgr., Univ. of Washington, Cyclotron, Seatle 5, Wash.
 ORTH, RICHARD T. (A'31-M'38-SM'43), V.P., Eitel-McCullough, Inc., San Carlos, Calif.
 ORTH, ROBERT 8. (S'51-A'57), Engrg. Test Lab. Technician, Nortronics Co., Hawthorne, Calif.
 ORTOLANI, FRANCIS P. (M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 ORTUSI, JEAN A. (SM'50), Engr., Research Compagnie Generale et T.S.F., 79 Bd., Haussmann, Paris Be, France.
 ORVEDAHL, WALTER (M'58), Assoc. Dir., Institute for Computer Research, Univ. of Chicago, Chicago 37, III.
 ORWIG, EDWIN O. (A'59), Industrial Engr., No. Amer. Aviation, Columbus 16, Ohio.
 ORWIN, ROBERT J. (A'47-M'49), Chief Engr., Communications Dext. The Hallicrafters Co., 4401 W. 5 Ave., Chic.go 24, III.
 OSAFUNE, HIROE (SM'57), Tech. Sect. Chlef, Semiconductor Dept., Nippon Electric Co., Mita-Shikokumachi, Minato-
- CSAFUNE, HIROE (SM'57), Tech. Sect. Chief, Semiconductor Dept., Nippon Electric Co., Mita-Shikokumachi, Minato-«u, Tokyo, Japan.
- OSATAKE, TONAU (SM'59), Electronics Research Labs., 32 W. 125 St., New York 27, N.Y. OSBAHR, BERNARD F. (J'39-A'40-M'49-SM'53), Editor, Electronic Industries, Chilton Co., 56 & Chestnut St., Philadelphia 39, Pa.
- OSBON, WILLIAM O. (A'30-VA'39-M'55), Advisory Engr., Westinghouse Research Labs., Box 868, Pittsburgh, Pa. OSBORN, ABRAHAM (M'57), Mgr., Aerohm Corp., Box 216, Wayland, Mass.
- OSBORN, ARDITH J. (4'56-M'57), Mem. Tech. Staff, Space Technology Lab., 5730 Arbor Vitae, Los Angeles 45, Calif. OSBORN, CARLOS R. (S'53-A'54-SM'58), Mai., USAF, Project Engr., Engrg. Test & Specifications, AF Ballistic Missile Div., USAF P.O., Inglewood, Calif.

- Missile Div., USAF P.O., Inglewood, Calif.
 OSBORN, HALH. (A.677), Instr., Electronics, Philco Corp.,
 8805 Mount Chinati Dr., El Paso, Tex.
 OSBORN, LEWIS W. (A'59), Electronics Instr., Nebraska
 Vocational Technical School, Milford, Neb.
 OSBORN, MERLE E. (A'50), TV Engr., WTOP, Inc. 40 &
 Brandywine St. N. W., Washington 16, D.C.
 OSBORN, NERI, III (S'55-M'57), Lt. Cmdr., USN, Asst.
 Planning & Estimating Supt., Puget Sound Naval Shipyard,
 Bremerton, Wash.

- Prainting of Estimating Star., Project South Insert Integration, Wash.

 OSBORN, PERRY H. (A'28-VA'39-M'55), Sect. Engr., Radio Engrs., Labs., 29-01 Borden Ave., Long Island City 1, N.Y.

 OSBORN, RAYMOND L. (A'43-M'55-SM'59), Sr. Engr., Oak Mfg. Co. 1260 Clybourn Ave., Chicago 10, Ill.

 OSBORN, REX H. (S'43-A'45), Electronics Engr., Design & Development Lab., Northrop Aircraft, Inc., Hawthorne, Callf.

 OSBORN, WILLIAM F. (S'56-M'56), Staff Mem., Sandia Corp., Sandia Base, Albuquer, N. M.

 OSBORNE, EUGENE F. (M'58), Sr. Engr., Westinghouse Elec Corp., Box 746, Baltimore 3, Md.

 OSBORNE, HAROLD S. (A'14-M'29-SM'43-F'45)(L), Consulting Engr., 379 Highland Ave., Upper Montclair, N.J.

 OSBORNE, JAMES M. (SM'55), Project Mgr., RCA, Camden, N.J.
- N.J..
 OSBORNE, ROBERT L. (A'27-VA'39), Pres. & Engr., Osbome
 Transformer Corp., 3834 Mitchell Ave., Detroit 7, Mich.
 OSBORNE, WARREN H. (A'59), Instr., USN, Combat Information Center, NAS, Brunswick, Ga.

- OSBORNE, WILLIAM 8. (S'55-M'59), Research Engr., Fenwal, Inc., Ashland, Mass.
- Inc., Ashland, Mass.

 OSBURN, CARLTON M. (S'42-A'45-M'50), Chief Engr.,
 C.G. Conn., Ltd., 1101 E. Beardsley, Elkhart, Ind.

 OSCAR, IRVING S. (A'55), Mgr., System Engrg. Dept.,
 Minneapolis-Honeywell Regulator Co., 10721 Hanna St.,
 Beltsville, Md

 OSCHMANN, ROMALD G. (M'56), Sr. Engr., Research & Dev.,
 Daystrom, Inc., Archbald, Pa.

 OSDER, STEPHEN S. (M'54), Engrg. Sect. Head, Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 OSFAS. SINDATHAN (A'53,M'57), Analyst. Programmer, BCA

- Gyroscope Co , Great Neck, L. I., N. Y.

 OSEAS, JONATHAN (A'53-M'57), Analyst, Programmer, RCA, Moorestown, N. J.

 OSEPCHUK, JOHN M. (A'51-M'56), Sr. Engr., Raytheon Mfg Co., Waltham 54, Mass.

 OSER, EDWIN A. (SM'50), Assoc. Patent Counsel, Hughes Aircraft Co., Culver City, Calif OSCOOD, DEAN W. (S'56-M'58), Engr., Sprague Electric Co., S. P. D., Union St., North Adams, Mass.

 OSGOOD, RICHARD C. (S'50-A'51-M'58), Field Service Engr., Westinghouse Elec Corp., Box 1897, Baltimore 3, Md.

 OSHA), CHARLES K. (S'57-A'58), 10104 St. Martha Lane, St. Ann 14, Mo.
- O'SHAUGHNESSY, CHRIS A. (M'54), Field Supvr., Dynamic Electronics, Inc., 87-46 123 St., Richmond Hill 18, L.I. N.Y.
- N.Y.

 O'SHEA, JAMES P. (A'58), Project Engr., Hagan Chemicals & Controls, Inc., Box 1346, Pittsburgh 3D, Pa.

 OSHEROWITZ, JEROME M. (S'54-A'55), Transmitter Engr., 35-48 32 st., Long Island City, 1, N.Y.

 OSHIMA, KAZU (S'51-A'53-M'58), Sr. Research Engr., Ampex Coro., 934 Charter St., Redwood City, Calif.

 OSHIMA, WILLIAM Y. (S'57-A'58), Electronics Design Engr., Chryster Corp., Box 2628, Detroit 31, Mich.

 OSHIRO, FRED K. (M'56), Antenna Research Engr., Grumman Aircraft Engr., Corp., Sethpage, L.I., N.Y.

 OSIAL, THADDEUS A. (SM'58), Research Engr., Westinghouse Research Labs., Churchill Boro, Pa.

 OSIALTNOSKY, LEON (SM'56), 895 West End Ave., New York.

- house Research Labs., Churchill Boro, Pa.

 SIATINSKY, LE ON (SM'56), 895 West End Ave., New York, 25, N.Y.

 SICK, WALTER R. (A'55), Engr. Asst., System Development Corp., 2500 Colorado St., Santa Monica, Calif.

 SIFCHIN, NICHOLAS (A'58), Mem. Tech. Staff, Bell Tel. Labs., Whitppany, N.J.

 SINSKI, WACLAW M. (A'56), Team Leader, Techrep Div., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 SIAKE, JACK J. (A'53-M'58), Mem. Tech. Staff, Space Technology Labs., Inc., 5500 W. El Segundo Blvd., Los Angeles, Calif.
- Angeles, Lain.

 OSLER, SA MUEL J. (S'57-M'58), Elec. Engr., Philco Corp.,
 4700 Wissahickon Ave , Philadelphia 44, Pa.
 OSMAN, MARTIN S. (M'56), Research Engr., MIT Servomechanisms Lab., Cambridge, Mass.
 OSMUNDSEN, GEORGE A. (A'54), Radio Transmission Engr.,
 Southem Bell Tel. & Telegraph, 1110 Lynch Bldg., Jacksonville, Fla.
- sonville, Fla
- OSOFSKY, HERMAN (M'56), Engr., Remington Rand Univac, St. Paul 16, Minn OSORIO, AUGUSTO E. (M'58), Acoyte 443, Buenos Aires.,

- Argentina.

 OSPINA, ALBERTO (S'57-M'59), Comunicaciones Comando, Amada Mavy, Colombian Navy, Bogota, Colombia.

 OSSANNA, JOSEPH F., JR. (S'52-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 OSSMANN, EOWARD A. (A'45-M'55), Pres., Edward A Ossmann & Associates, Inc. 830 Linden Ave., Rochester 10, N.Y.

 OSSOFF, ALFRED (A'54), Chief, Communications Sect., Govt. Electronics Div., Emerson Radio & Phonograph Corp., 14 & Coles Sis., Jersey City, N.J.

 OST, STANLEY B. (S'44-A'48-M'55), Project Engr., ITT Labs., Nutley 10, N.J.

 OSTAFF, WILLIAM A. (SM'56), Systems Engr., Special Projects Office, Dept. of the Navy, Munitions Bldg., Washington 25, D.C.

- 25, D.C.

 OSTAPKOVICH, PETER L. (M'56), Staff Physicist, IBM, Poughkeepsie, N.Y.

 OSTBERG, EDWARD H. (S'49-A'51-M'56), Supvg. Engr., Remington ?and Univac. St. Paul W4. Minn

 OSTENDORF, BERNARD, JR. (M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St. New York 14. N.Y.

 OSTENSO, ARTHUR S. (A'54), Electronic Scientist, Naval Ordnance Test Sta., China Lake. Calif

 OSTER, EDWIN W., JR. (A'53), Electronics Design Engr., Aircraft Armaments, Inc., Cockeysville, Md.

 OSTER, FRANKLIN J. (A'46-M'55), Project Engr., Westem Electric Co., 100 Central Ave., Kearny, N.J.

 OSTER, RICHARD E. (A'44-M'55), Project Engr., Chance-Vought Aircraft, Inc., Dallas, Tex.

 OSTER, STANLEY (M'58), Design Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9. N.Y.

 OSTER, WILLIAM, (A'53), Field Engr., Link Aviation, Inc.,
- Co., 1400 N. Goodman St., Rochester Y. N.Y.
 OSTER, WILLIAM (A'53), Field Engr., Link Aviation, Inc.,
 Binghamton, N.Y.
- Binghamton, N.Y.

 STERRBOCK, CARL H. (S'52-M'56), Instr., Elec. Engrg.,
 Univ. of Cincinnati, Cincinnati 21, Ohio.

 STERLRAND, EDMUND (J'29-A'32-VA'39-SM'48), Pres.,
 E.O. Electronics, Inc., Mountain Lakes, N.J.

 STERLUND, SVEN G. (A'38-M'45), Asst. Dir., Mobilization
 Planning Div., Electronic Supply Office, Navy Dept., Great
 Lakes. III.
- Lakes, III.

 OSTERNDORF, JOHN F. (A'53), Patent Engr., Mfrs'. Aircraft Assn., Inc., 45 Rockefeller Plaza, New York 20, N.Y.

 OSTHEIMER, EMIL J. (M'57), Electronics Applications, Medical Research & Equipment. Home: 183-20 N.E. 21 Ct., North Miami Beach 62, Fla.
- OSTHEIMER, FRED R. (A'52), Consulting Engr., 29 Broadway, New York 3, N.Y.
- way, New York G, N.Y.

 OSTIS, JOHN N. (M*56), Staff Engr., Mitre Corp., Box
 2CB, Lexington 73, Mass.

 OSTLUND, EVERT M. (A*37-SM*44), Pres., E. M. Ostlund Associates, Andover, N.J.; Telecontrol Corp., 20
 Diller Ave., Newton, N.J.
- OSTLUND, GORDON L. (A'56), Electronics Technician, GE Co., Syracuse, N.Y.
 OSTRANDER, LESTER V., JR. (S'55-M'57), Research Engr., GMC Research Staff, Box 188, N.E.S., Detroit 2, Mich.
- OSTREM, ROY E. (A¹53), Major, USAF, Project Officer, Systems Test, Airborne Systems Div., WS 107A-2, USAF, AF8MD, Inglewood, Calif:

- 321 -OST-OZD

- OSTROFF, EDWARD D. (S'48-A'49-M'56), Engr., Lab. for Electronics, Inc., 75 Pitts St., Boston 14, Mass. OSTROLENK, SAMUEL (A'36-VA'39-M'55), Sr. Partner, Ostrolenk Taber Gerb & Soffen, 10 E. 40 St., New York 16, N.Y.
- OSTROM, CYRUS W. (A'44-M'55), Pres., C. Kirk Hill-man Co., 3201 1st Ave., South Seattle 4, Wash. OSTROSKI, ALLYN B. (M'59), 14 Pelham Place, Norfolk
- OSTROV, BERNARD (S'54-M'56), Project Engr., Auto-metric Corp., 1501 Broadway, New York 36, N.Y. OSTROW, HARVEY (M'56), Elec. Engr., RCA, Princeton,
- OSTROW, SIDNEY M. (A'43-SM'52), Physicist, Central Radio Propagation Lab., Natl. Sureau of Standards, Boulder,
- OSTROWSKI, EDWARD A. (S'56-M'58), Engr., 18M,
- Poughkeepsie, N.Y.
 OSTROWSKI, ROBERT E. (A'55), Supvr., GE Co., Syra-

- cuse, N.Y.

 OSTWALD, LYDICK T. (A'55), Engr., Ramo-Wooldridge
 Corp., Box 8405, Denver 10, Colo.

 OSUGI, JOHN H. (S'57-M'59), Mem. Tech. Staff, Hughes
 Aircraft Co., Box 90915, Los Angeles 45, Calif.

 O'SULLIVAN, DONALD R. (S'57-A'59), Site Technician,
 Burroughs Military Field Service Div., Burroughs Dr.,
 Radnor, Pa.

- RADDOT, Pa.

 O'SULLIVAN, JOHN K. (S'56-M'58), Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 O'SULLIVAN, MARTIN J. (S'56-M'58), Elec. Engr., Motorola, Inc., 8201 E. McDowell St., Phoenix, Ariz.

 O'SULLIVAN, THOMAS J. (S'54-M'56), Elec. Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

- 13, N.Y.

 SUMI, STEPHEN Y. (S'57-M'58), Electronics Engr.,
 USN, Pearl Harbor, Honolulu, Hawaii.

 OSWALD, ARTHUR A. (A'19-M'25-F'28)(L), Retired, 2
 West Lane, Maplewood, N.J.

 OSWALD, HENRY (S'51-A'54-M'58), Dir., Celestron Associates. 41 Nepera Pl., Yonkers, N.Y.

 DSWALD, HENRY J. (M'56), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N.J.,

 OSWALD, JAMES A. (A'52-M'58), Assoc. Prof., Elec.
 Engrg., Michigan College of Mining & Technology, Houghton, Mich.

 OSWALD, JAWPENCE H. (S'55-M'56), Asst., Engr., New.
- ton, Mich.

 OSWALD, LAWRENCE H. (S'55-M'56), Asst. Engr., New York Telephone Co., 101 Willoughby St., Brooklyn 1, N.Y.

 OSWALD, ROBERT L. (S'45-A'53-M'58), TV Techniclan, CBS, 485 Madison Ave., New York 22, N.Y.

 OSZY, ALEXANDER J. (S'43-A'45-M'49), Engr., Transitron Electronic Corn., Albion St., Wakefield, Mass.

 OTA, LAWRENCE Y. (S'55-M'58), Research Techniclan, Univ. of Rochester, 130 Cyclotron Lab., Rochester 20, N.Y.

- N.Y.
 OTA, NOBUSO (A'54), Tool Design "B" (Electrical), Northrop Aircraft, Inc., Hawthome, Calif.
 OTA, THOMAS T. (S'56-M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 OTEY, CHARLES R. (A'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 OTHMER, ROBERT E. (M'57-SM'58), Electronics Projects Engr., The Narda Microwave Corp., Herricks Rd., Mineola, L.I., N.Y.
- L.I., N.Y.
 OTIS, ARTHUR N., JR. (A'54), Engr., Curtiss-Wright
 Corp., 631 Central Ave., Carlstadt, N.J.
- OTIS , DWIGHT C. (Mi54), Geophysics Research Specialist, Humble OII & Refining Co., Box 2180, Houston 1, Tex. OTIS , EMMANUEL J. (S'55-M'56), Systems Engr., Daystrom Systems, La Jolla Bivd., La Jolla, Calif.
- OTIS, G. EDWIN (A'50), Mgr., KAF8, GE Co., Box 57, Bilexi, Miss.
- OTIS, JOSEPH C. (A'54), Pres., Otis Radio & Electric Com., 700 Central Ave., Hawarden, Iowa. OTOIDE, JAMES K. (S'57-A'58), Test Equipment Engr., Hughes Aircraft Co., El Segundo, Calif.

- Hughes Aircraft Co., El Segundo, Calif.

 O'TOOLE, BERNARD R. (M'58), Electronics Engr., Texas Gulf Sulphur Co., 75 E. 45 St., New York 17, N.Y.

 O'TOOLE, CHARLES E. (SM'57), Mgr., BMEWS Tech. Co-ordination, RCA, Moorestown, N.J.

 O'TOOLE, JOHN 8. (M'57), Sr. Research Engr., Natl. Cash Register Co., 14001E. El Segundo 81vd., Hawkhorne, Calif.

 OTOSHI, TOM Y. (S'53-M'56), Mem. Tech. Staff, Hughes Aircraft, Culver City, Calif.

 OTS, ALFRED (M'59), Research Worker, Chalmers Institute of Technology, Gothenburg, Sweden.

 OTSUKA, S. PAUL (S'52-M'57), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 OTSUKI, JUNO S. (S'46-A'49-M'55), Genl. Mgr., Trlad Instruments & Controls, Ltd., Box 31, Scarborough, Ont., Canada.

- Canada.

 OTSUKI, YOSHINOSUKE (M'58), Nippon Tel. & Tel. Pub.
 Corp., Akasaka Minato-Ku, Tokyo, Japan.
 OTT, EDUARD K. (A'57), Engr., Elec. Power Equipment,
 Ltd., 1285 Homer St., Vancouver 3, B.C., Canada.
 OTT, JDHN T. (S'56-A'57), Electronics Technician, Remington Rand Univac, 1902 W. Minnehaha, St. Paul, Minn. OTT, LOUIS G. (A'48), Owner, Ott's, 675 Ave. C., Beaumont, Tex.
- OTT, OWEN J. (M'55), Sr. Research Engr., Data-Control
- Systems, Rose St., Danbury, Conn. TT, WILLIAM F. (M'54), Capt., USAF, Det. #4,672 TTS, APO 179, New York, N.Y.

- TTS, APO 179, New York, N.Y.

 OTT, WILLIAM, (S'58-M'59), Electronics Engr., Convair, San Diego, Calif.

 OTEEM, IVER E., (A'44-M'56), Modification Engr., Amoex Corp., 934 Charter St., Redwood City, Calif.

 OTEMILLER, WILLIAM H., JR. (A'36-M'45-SM'49), Div. Mgr., O'ality Control, Picture Tube Div., Sylvania Elec. Prods., Inc., Seneca Falls, N.Y.

 OTTEM, HENRY C. (S'57-M'59), Assoc. Engr., Martin Cn. Orlando. Fls.

 OTIEM, KLAUS W. (M'57), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 OTIENBERG, ELLIOT C. (S'49-A'51-M'57), Sr. Project Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 OTTENBERG, LLOYD A. (S'49-A'51-M'57), Research Engr.

- OTTENSERG, LLOYD A. (S'49-A'51-M'57), Research Engr., Kahn Research Lab., Inc., 22 Pine St., Freeport, L.I., N.Y.

- OTTENSMEYER, ROBERT M. (M'55), Lt., USN, Electronics Officer, U.S. Naval Air Test Center, Patuxent River, Md. OTTERMAN, JOSEPH (S'52-M'56), Assoc. Research Engr., Univ. of Michigan, Willow Run Labs., Box 2008, Ann Arbor, Mich.
- OTTINGER, DAVID P., JR. (S'50-A'51-M'59), Research Asst., Electronics Energ., Radioplare Co., 8000 Woodley, Van Nuys, Calif.
- OTTINGER, GUY L. (S'42-A'45-M'55), Capt., USCG, Commanding Officer, USCGC COOK INLET, USCG, Portland, Me.
- OTTINGER, ROBERT W. (S'58-M'59), Engr. "8," RCA, 1. N.J

- Moorestown, N. J.
 OTTO, EMIL D. (M'47-SM'54), Electronics Engr., Navy Dept., Washington 25, D.C.
 OTTO, FRED B. (M'56), Grad. Asst., Physics, Univ. of Connecticut, Storrs, Conn.
 OTTO, HERBERT G. (M'56), Elec. Engr., Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.
 OTTO, J. LOWELL (A'51), TV Studio Supvr., WDSU_TV, 520 Royal St., New Orleans, La.
 OTTO, WILLIAM D., JR. (S'55-M'57), Engr., Vitro Labs., 1400D Georgia Ave., Silver Spring, Md.
 OTTO, WILLIAM F. (M'58), Electronics Scientist, Civil Service, Army Rocket Guided Missile Agency, Redstone Arsenal, Ala.
- OTTOBRE, JAMES N. (A'52-M'56), Dept. Mgr., Ship-board Electronics, Stavid Engrg., Inc., Plainfield, N.J. OTTOLINI, D.F. (A'51), Dept. Mgr., Burroughs Corp., Research Center, Paoli, Pa.
- OTTOSON, PAUL E. (M'58), 584 Valley Rd., West Orange,
- OTTUM, ROBERT W. (A'47), Owner, Mgr., Reception Specialists TV Service Co., 3916 Monona Dr., Madison
- OUDARD, ALBERT (A'56), Chief, Electronic Dept., Est. Merlin & Gerin-Grenoble, Rue Henri, Tarze, France.
- OUELLET, ANATOLE (M'56), Teacher, Electronics Radio-Communication & Radar, Marine Institute, Rimouski, P.Q., Canada.
- OUELETTE, LAWRENCE A. (A'52), Electronics Engr., Design, Picatinny Arsenal, U.S. Ordinance Corps., Dover, N.J.
- OUIMET, FRANCIS A. (M'59), Field Engr., RCA, Chicago 54.III.
- OUIMET, J. ALPHONSE (A'39-SM'44-F'52), Pres., Canadian Broadcasting Corp., 140 Wellington St., Ottawa, Ont., Canada.
- OULD, R. S. (A'19-VA'39-M'55)(L), Box 27, Washington 4, D.C.
- 4, D.C.

 OULTON, GEORGE R. (A'52-M'57), Chief Operator Canadian Broadcasting Corp., CB1, Box 700, Sydney, N.S., Canada.

 OUTTEN, RICHARD E. (A'58), Project Supwr., Raytheon Mig. Co., Waltham 54, Mass.

 OUVERSON, CURTIS D. (M'56), Staff Mem. Sandia Corp., Sandia Base, Albuquerque, N.M.

 OVER, JOHN J., JR. (M'56), Electronics Scientist, U.S. Naval Research Lab., Washington 25, D.C.

 OVERACKER, HORACE E. (A'41-SM'51), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto. Calif.

 OVERAL, GERALD D. (A'58). Electronics Test Engr.,

- OVERALL, GERALD D. (A'58), Electronics Test Engr., Convair, 16/5 W. 5, Pomona, Calif.
- OVERAS S, ROBERT E. (M'56), Sr. Engr., Genl. Mills, Mech. Div., 2003 Hennepin Ave., Minneapolis, Inc., Minn

- Minn.

 VERBY, HENRY S. (A'44-M'45), Fleld Engr., MAAG, Air Force Sect., APO 85, New York, N.Y.

 VERBY, HUGH A. (SM'58), Electronics Engrg. Consultant, FAA/ICA Regional Aviation Assistance Group (Panama), 3ox 3009, 8alboa, Canal Zone.

 VERBY, SUNE L. (M'51-SM'51), Engr., A.B. Svenska Elektronror, Lumavagen 6, Stockholm 20, Sweden.

 VERCBY, FRANK J. (SM'58), Aircraft Dev. Engr., Lockheed Aircraft Co., Marietta, Ga.

 VEPDEEP DORBETT (S'49-A'550-M'55), Project
- OVERDEER, ROBERT H. (S'49-A'50-M'55), Project Engr., Philco Corp., C & Tioga Sts., Philadelphia 25, Pa.
- OVERDIER, DONALD F. (S'57-M'59), Elec. Engr., Remington Rand Univac, Univac Pk., St. Paul 16, Minn.

 OVERETT, TREVOR, H.R. (M'59), Engr., Canadian Avlation Electronics, Ltd., Cote De Liesse Rd., Montreal, P.Q., Canada.

- Canada.

 OVERROLSER, WILLARD E. (A'49-M'54), Engr., Flight Control Lab., Wright-Patterson AFB, Ohio.

 OVERHOLTS, ROBERT W. (M'59), Supvr., Westinghouse Elec. Corp., Bath, N.Y.

 OVERLEY, JOHN P. (A'54), Engr., Radlo Mfg. Engrs., Inc., SOI Walnut St., Washington, III.

 OVERLIE, PER T. (S'56-M'57), Civilingenior, "Stomo," Ved Amagerbane 21, Kobenhavn S., Demmark.

 OVERMAN, CHARLES I. (A'47), Radio Engr., Avco Mfg. Corp., 1329 Arlington St., Clenimatl 25, Ohio.

 OVERMIER, CHARLES S. (A'54), Engr., Northrop Alrcraft, Inc., Hawthome, Callf.

 OVERMIER, EUGENE E. (A'36-M'44-SM'47), Mgr., Commercial Engrg., Sylvania Elec. Prods., Inc., Emporium, Pa.

- DVERTON, CHAPLES (MACC), EACH OF CHAPLES (MACC), CHAPLES (MACC), CHAPLES (MACC), EACH OF CHAPLES (MACC
- Eglin AFB, Fla.

 OVERTON, CHARLES B. (M'56), Engrg. Group Leader,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.

 OVERTON, DONALD A. (S'57-M'58), Dept. of Elec. Engrg.,
 Alumni Hall of Engrg., Lafayette College, Easton, Pa.

 OVERZET, JOHN K. (S'58-M'59), Project Engr., 8eltone
 Hearing Aid Co., 4850 W. 8elmont Ave., Chicago, III.

 OVESIA, MILIAN V. (A'57), Mgr., Mktg. Research, HMED,
 GE Co., Syracuse, N.Y.
- GE Co., Syracuse, N.Y.

 OVITT, MELVIN D. (A'44-M'55), Assoc. Engr., Douglas

 Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.

 OWAKI, KENICHI (M'55), Head, Tech. Dept., Kobe Kogyo

 Corp., Okubo, Akashi, Tokyo, Japan.

 OWAKU, SHUZO (A'56), Microwave Res. Sect. 14, Chome

 Oki Elec. Ind. Co., Ltd., Nishi-Shibaura, Minato-ku,

 Tokyo, Japan.

OWCA, ALEXANDER E. (S'49-A'52-M'57), Electronics Engr., Webcor, Inc., 816 N. Kedzie, Chicago, III.

- UWLA, ALEXANDER E. (S'49-A'52-M'57), Electronics Engr., Webcor, Inc., 816 N. Kedzle, Chicago, III.

 OWEN, BRUCE D. (SM'58), Sr. Engr., Special Circuits Design, Southwestern Boll Tel. Co., 210 N.W. 6 St., Oklahoma City 3, Okla.

 OWEN, CLURE H. (A'32-VA'39-M'55), Administrative Asst., American Broadcasting Co., 7 W. 66 St., New York 23, N.Y.

 OWEN, D. R. (A'58), Chief Elec. Engr., Sparton Electronics, Jackson, Mich.
- Jackson, Mich.

 OWEN, DAVID J. (S'56-M'58), Engr., Airborne Instruments
 Lab., Mineola, L.I., N.Y.

 OWEN, EDWARD A. (S'41-A'44-SM'52), Engr., Office Chief
 of Ordnance, Dept. of Army, Washington 25.0.C.
- OWEN, FRANK R. (M¹57), Engr., Western Electric Co., Lex-ington Rd., Winston-Salem, N.C. OWEN, FRANKLIN D. (S'56-M'57), Assoc. Engr., I8M,

- OWEN, FRANKLIN D. (S'56-M'57), Assoc. Engr., I8M, Owego, N.Y.
 OWEN, HARRY (A'56), Mgr., Taller Owen, Calle 17, #1-109, Santa Marta. Colombia. South America.
 OWEN, HARRY A., JR. (S'46-A'49-M'55), Assoc. Prof., Elec. Engr., Duke Univ., Durham. N. C.
 OWEN, HARVEY W. (M'46-SM'52), Chief Engr., Control Sect., Weapons Guidance Lab., Analysis & Design Branch, Wright Air Development Center, Wright-Patterson AFB, Ohio.
 OWEN, JOHN G. (M'57), Plant Suypr., Radio Sta. WRR, Fair Park, Oallas, Tex.
 OWEN, JOHN K. (4'55), Field Service Technician. HMFD.
- OWEN, JOHN K. (A'55), Field Service Technician, HMED, GE Co., Syracuse, N.Y.

- GE Co., Syracuse, N.Y.

 OWEN, JOHN Q. (M'55), Sr. Engr., Raytheon Mfg. Co.,
 Waltham 54, Mass.

 OWEN, KENNETH (M'57), Radio Liberation, 1657 Braodway,
 New York, N.Y.

 OWEN, LOUIS D. (M'56), Prod. Design Engr., GE Co.,
 9 & Moseley Sts., Owensboro, Ky.

 OWEN, PAUL H. (M'58), Sr. Engr., Raytheon Mfg. Co.,
 Bedford, Mass.

- OWEN, LOUIS D., (M'56), Prod., Design Engr., GE Co., 9 & Moseley Sts., Owensboro, Ky., OWEN, PAUL H., (M'58), Sr. Engr., Raytheon Mfg. Co., Bedford, Mass.

 OWEN, ROBERT L. (M'59), Systems Engr., U.S. Civil Service, White Sands Missile Range, N.M.

 OWEN, ROBERT P. (A'43-M'45-S-M'50), Pres., Genl. Mgr. Owen Labs., Inc., 55 &eacon Pl., Pasadena 10, Calif. OWEN, ROBERT B. (M'E7), Tech. Writer, McGrsw-Hill Brok. Co., Inc., 330 W. 42 St., New York 36, N.Y.

 OWEN, SIDNEY, W. (S'50-A'52-M'57), Staff Engr., Itek. Coro., 223 Crescent St., Waltham, Mass.

 OWEN, THOMAS E. (M'57), Asst. Prof., Elec. Engr., Research Engr., Univ. of Texas, Austin, Tex.

 OWEN, WILLARD W. (A'52-M'56), Lab. Technician, Shell Development Co., 3737 Bellaire Blvd., Houston, Tex.

 OWEN, WILLIAM A. (S'55-M'58), Application Engr., Worthinston Corp., Harrison, N.J.

 OWEN, WILLIAM E. (S'42-A'43-M'55), Prof. Elec. Engrg., Louisiana State Univ., 8aton Rouge, La.

 OWENS, ALBERT T. (S'48-A'49-M'55-SM'58), Mem. Tech. Staff, Bell Tel. Labs., 1600 Ospood St., North Andover, Mass.

 OWENS, DONALD A. (A'58), Transmitter Engr., WICS-TV Channel 20, Springfield, M. North Andover, Mass.

 OWENS, DONALD A. (A'58), Transmitter Engr., WICS-TV Channel 20, Springfield, M. Owens, S. Semiconductor Components Div., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas, Tex.

 OWENS, JAMES E. (A'54-M'59), Asst. Group Leader, Atomics Internal. Div., Box 309, Canoga Park, Calif.

 OWENS, JAMES E. (A'54-M'59), Asst. Group Leader, Atomics Internal. Div., Box 309, Canoga Park, Calif.

 OWENS, MORENT H., Wi'58), Tech. Dir., Sta, WAIN, 430

 Wain St., Columbia, Ky.

 OWENS, ROBERT H., R. (S'56-A'58), Electronic Test Engr., Raytheon Mfg. Co., Maynard, Mass.

 OWENS, RAYMOND 8. (M'27-SM'43), Sect. Head, Naval Research Lab., Washington 25, D.C.

 OWENS, ROBERT H., R. (S'56-A'58), Electronic Div., Northrop Aircraft, Inc., Hawthome, Calif.

 OWENS, JAMES L. (K'49-M'59), Suny. Finr., Westing-cessing Equipment Engr., RCA, Camden, N. J.

- OWEN, WALLALE W. 15-92-A-937, Engr., Nortronic UIV., Northrop Aircraft, Inc., Hawthome, Calif.

 OWINGS, JAMES L. (A'49-M'55), Mgr., Special Data Processing Equipment Engr., RCA, Camden, N.J.

 OWRA, WILLIAM M. (5'57-M'59), Supry. Engr., Westinghouse Elec. Corp., Baltimore, Md.

 OWEN, HARVEY M. (A'51), Pres., Abtronics, Inc., 435
 E. 1st, Livermore, Calif.

- OWREN, HARVEY M. (A'51), Pres., Autronics, Inc., 435
 E. 1st, Livermore, Calif.

 OWREN, LEIF (5'49-A'53-M'56), Sr. Staff Mem., Geophysical Institute, Univ. of Alaska, College, Alaska.

 OXER, HARRY (A'55), TV Technician, John Wagonny Radio &
 TV Service, 663 Washington Ave., Brooklyn 36, N.Y.

 OXFORD, CARL J., JR. (A'51-M'98), Dir. Research Natl.
 Twist Drill & Tool Co., Natl. Sq., Rochester, Mich.

 OXLEY, ALLAN 8, (A'25-M'33-SM'46-F'53), Reliability
 Co-ordinator, Special Weapons, Canadair, Ltd., Box 6087,
 Montreal, P.Q., Canada

 OXLEY, JOHN E. (S'50-A'52-M'56), New York Life Insurance
 Co., 51 Madison Ave., New York, N.Y.

 OXLEY, ROBERT F, (A'35-SM'54), Chmn., Oxley Developments
 Co., Ltd., Priory Park, Ulverston, N., Lancs., England,
 OXLEY, VINCENT C. (S'50-A'51-M'58), Project Engr.,
 Communications Research Dept., Sylvania Elec. Prods.,
 Inc., 1100 Wehrle Dr., Amherst, N.Y.

 OXMAN, MARTIN H, (M'53), Dev. Engr., National Co., Inc.,
- Inc., 110D Wehrle Dr., Amherst, N.Y.
 OXMAN, MARTIN H. (M'53), Dev. Engr., National Co., Inc.,
 61 Sherman St., Malden, Mass.
 OYAMA, SABURO (A'58), Chief, Engrg. Dept., Broadcast Eq.
 Industry Div., Nippon Electric Co., Ltd., 1753 Tamagawamukai, Shimonumabe, Kawasaki, Japan.
- kar, Shimonumabe, Kawasaki, Japan.
 OYSTER, DALE E. (4/34-M/47), Engrg. Div., Rand Corp.,
 1700 Main St., Santa Monica, Calif.
 OZAETA, EMILIO H. (5/50-A/51), Prod. Mgr., Radiowealth,
 Inc., 500 Tanduay St., Manila, Philippines.
 OZAKI, GEORGE K. (4/53), Electronics Engr., Convair,
 San Diego 12, Calif.

- San Diego 12, Calif.

 OZAKI, HIROSHI (SM'57), Asst. Prof., Faculty of Engrg.,
 Ozaks Livi, HIROSHI (SM'57), Asst. Prof., Faculty of Engrg.,
 Ozaks Livi, Hinashinnda, Osaka Janan.

 OZARIN, SOLOMON J. (A'54), Supvy. Engr., Electronics,
 Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

 OZARKA, ROMAN J. (A'55), Electronics Dev. Engr., StewartWarner Electronics, 1300 N. Kostner, Chicago 51, Ill.

 OZAROWSKI, ALEXANDER J. (M'58), Engr., Auto Screw
 Machine Prods., Inc., 362 Broadway, Passaic, N.J.

 OZDOBA, MAURICE (A'58), Elec. Technician, Republic
 Aviation Corp., Farmingdale, L.I., N.Y.

OZECHOSKI, ANTHONY T. (S'5B-M'59), Electronic Technician, Erie Resistor Corp., 12 St., Erie, Pa. OZKER, TARIK (M'52-SM'57), Prof., Elec, Engrg., Tech. Univ. of Istanbul, Istanbul, Turkey. OZMENT, ROBERT (S'51-A'54), Educator, Washington Univ., St. Louis 5, Mo.

OZMENI, ROBERT (5'51-A'54), Educator, Washington Univ. St. Louis 5, Mo.

ZMENT, WILLIAM L. (S'56-M'57), Design Engr., Aerojet Genl., Corp., Sacramento, Calif.

ZMINKOSKI, JOHN R. (S'57-A'57), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

ZOLINS, IMANTS (A'5B), Assoc. Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I.,N.Y.

ZOLINS, LAHMONS (M'52), Design & Dev. Engr., RCA Surface Communications Systems Lab., 75 VarIck St., New York 13, N.Y.

ZONE, KOHO (A'47-SM'54), Assist. Sect. Head, Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.

OZSVATH, DANIEL R. (M'47), Mgr., Mktg. Administration, Electron Tube Div., RCA, Harrison, N.J.

P
PAALU, ALEX (M'52), Project Supvr., Elec. Research Lab., A. O. Smith Corp., Milwaukee 1, Wis.
PAANANEN, ROY A. (J'40-A'42-S'47-A'54), Sect. Head, Raytheon Mig. Co., Waltham, Mass.
PAASCH, ROBERT H. (M'5B), Chief Engr., Television Sta. WCKT, North Bay Causeway, Miami, Fla.
PACE, ANTHONY J. (M'55), Project Engr., RCA Service Co., Patrick AFB, Fla.
PACE, EARLE C. (A'55), Asst. Purch. Agent, Sandia Corp., Sandia Base., Albuquerque, N.M.
PACE, FRANK P. (S'53-A'54-M'5B), Mem. Tech. Staff, Beil Tel. Labs., 463 West St., New York 14, N.Y.
PACE, M. WILSON (A'43), Transmitter Engr., WFBC-TV, AM. FM: WMRC, Inc., Rutherford Rd., Greenville, S.C.
PACE, NOEL M. (S'56-M'5B), Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
PACE, RICHARD A. (A'45-M'50), Facilities Engr., Dept. of Aeronautics, Capital Bldg., Lincofn, Neb.
PACE, ROBERT A. (A'55), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.1, N.Y.
PACE, ROBERT L. (S'56-M'57), Design Engr., Convair, Box 74B, Ft. Worth Tex.

PACE, ROBERT L. (S¹56-M¹57), Design Engr., Convair, Box 74B, Ft. Worth, Tex.

PACE, ROBERT L. (S'56-M'57), Design Engr., Convair, Box 74B, Ft. Worth, Tex.
PACE, THOMAS L. (4'46-M'55-SM'5B), Dev. Sect.
Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.
PACE, WALTER H., JR. (S'53-M'5B), Instr., Elec. Engrg.,
Tulane Univ., New Orleans 1B, La.
PACENT, HOMER C. (A'50-M'55), V.P., Pacent Engrg.
Corp., 300 Northern Bivd., Great Neck, L.I., N.V.
PACHANO, PEDRO I. (A'3B), Pres., Radio Lab., C.A.,
Apartado No. 3421, Caracas, Venezuela.
PACHER, FRANK A. (A'4B), Electronics Technician, U.S.
Naval Radiological Defense Lab., Hunter's Point, San Francisco, Calif.

PACHOLKE, FRED (A'27-SM'46), Chief TV Engr., War-wick Mig. Corp., 7300 N. Lehigh Ave., Chicago 31, III. PACHUTA, JOSEPH R. (A'49-M'55), Project Engr., Mel-par, Inc., 3000 Arlington Bivd., Falis Church, Va.

par, Inc., 3000 Arlington Blvd., Falls Church, Va. PACIA, ERWIN (M'5B), Engr., Semiconductor Prods, Dept., GE Co., Syracuse, N.Y. PACIFICO, EMILIO M. (M'59), Transistor Circuit Dev. Engr., Genl. Precision Lab., Inc., Pleasantville, N.Y. PACINI, ELMER J., (S'57-M'59), Assoc. Missiles Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.

Monica, Calif. PACINI, PACINI, PACINI, HUMBERT P. (A'40-M'49), Engrg. Consultant, Electronics, Walker Rd., RFD 1, Utica, N. Y. PACK, BILLY L. (M'56), Elec. Engr., Ashland Oil & Refining Co., 1409 Winchester Ave., Ashland, Ky. PACK, EDWARD L. (A'49-M'57), Specialist, Systems Engrg., GE Co., Missiles & Ordnance, Pittsfield, Mass.

PACK, EDWARD L. (A'49-M'57), Specialist, Systems Engry., GE Co., Missiles & Ordnance, Pittsfield, Mass. PACK, JOHN L. (M'56), Research Physicist, Westinghouse Elec. Corp., Pittsburgh 35, Pa. PACKARD, ALDEN (SM'58), Chief Engr., AR&T Electronics, Inc., 1101 McAlmont, Little Rock, Ark.
PACKARD, ALDEN C. (SM'56), Capt., USN, Dir., Bureau Research & Dev., FAA, Washington 25, D. C.
PACKARO, DAVID (S'34-A'41-SM'47-F'48), Pres., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

PACKARD, DAVID C. (A'53), Partner, Packard Associates, Love Field Air Terminal Bidg., Dallas 35, Tex.

Love Field Air Terminal Bidg., Dallas 35, Tex.

PACKARD, DONALD F. (SM'5B), Sr. Project Staff Engr.,
No. Amer. Aviation, Downey, Calif.

PACKARD, GEORGE N. (4'2-M'45), Mem. Tech. Staff,
Bell Tel. Labs. Murray Hill, N.).

PACKARO, JAMES C. (M'57), Partner, Packard Associates,
Box 111, Houston 1, Tex.

PACKARD, KARLE S., JR. (M'50-SM'56), Reliability
Mgr. Alfroome Instrument Lab., Mineola, L.I., N.Y.

PACKARD, LUCIUS E. (M'41-SM'43-F'57), Bd. Chmm.,
Technology Instrument Corp., 531 Main St., Acton, Mass.

PACKARD, RICHARD F. (A'54-M'59), Antenna Engr.,
Electronic Communications, Inc., 1830 York Rd., Timonium,
Md.

Md.

PACKARD, ROBERT H. (A'45-M'50), Sr. Electronics Engr., Tech. Operations, Inc., South Ave., Burlington, Mass.

PACKER, BERNARD S. (S'57-M'5B), Project Engr., FXR, Inc., 26-12 Borough PI., Woodside 77, N.Y.

PACKER, LEROY (S'48-A'51-M'56), Dept. Mgr., Gent. Applied Science Labs., Inc., 59 Hempstead Cardens Dr., Hempstead , L.I., N.Y.

PACKER, STANLEY S. (M'54), V.P., ESC Corp., 534

Bernen Blvd., Palisades Park, N.J.

PACKER, WALTER H. (A'50), Assoc. Scientist, Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.

PADALINO, JOSEPH J. (S'47-A'48-M'50-SM'56), Assoc. Prof., Newark College of Engrg., 367 High St., Newark 2, N.J.

2, N.J.
PADDISON, LOUIS J. (A'45-M'55), Dir., Reliability Dev., Sandia Corp., Sandia Base, Albuquerque, N.M.
PADDOCK, DONALD G. (M'45), Principal, OSCEOLA School, Board of Public Instruction, Vero Beach, Fla.
PADDOCK, ORRIS K. (M'5D-SM'54), Dir., Engra., Home Prods. Div., Packard Bell Co., 12333 W. Olympic Blvd., Los Angeles 64, Calil.
PADDOCK, ROBERT B. (S'52-A'53-M'58), Project Engr., Telerigister Corp., 445 Fairfield Ave., Stamford, Conn.

PADDON, JOHN W. (A'43-SM'43), Mgr., Systems Div., Decca Radar (Canada), 23 Six Points Rd., Toronto 1B, Ont., Canada.

Decca Radar (Canada), 23 Six Points Rd., Toronto 1B., Ont., Canada.

PADECS, AliDRIS (S'56-M'5B), Assoc. Engr., IBM, Poughkeepsie, N.Y.
PADEN, ALVIN R. (S'54-M'5B), Engr., Motorola, Inc., B201 E. McDowell Rd., Phoenix, Ariz.
PADEN, DOUGLAS R. (M'5B), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.
PADEN, HOWARD R. (A'51-M'57), Group Leader, Antenna Operations Group, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
PADGETT, ELWOOD P., JR. (S'54-A'55), Mem. Tech. Staff, Tech. Military Planning Operation, GE Co., 735
State St., Santa Barbara, Calif.
PADGETT, WILLIAM J. (A'54), Project Engr., Motorola, Inc., 1450 N. Cicero Ave., Chicago 14, III.
PADGITT, KENNETH W. (S'54-M'56), Dev. Engr., Motorola, Inc., 1400 N. Cicero, Chicago, III.
PADILLA, DANIEL J. (A'4B), Staff Assoc., Sandia Corp., 600 Dakota, S. E., Albuquerque, N.M.
PADMANABHAN, P. V. (A'56), Asst. Signal & Telecommunication Engr., Central Railway, Victoria Terminus, Bombay, India.

PADOVANO, ROASRIO J. (S'52-M'57), Assoc. Engr., Sperry Cyroscope Co., Great Neck, L.I., N.Y.

Sperry Cyroscope Co., Great Neck, L.I., N.Y.
PADUNCHEWIT, ITTIPON P. (S'56-M'57), Lecturer, College of Engrg., Chulalongkom Univ., Bangkok, Thailand.
PADWA, M. NED (S'49-A'51), Supvr., Advanced Systems Training, Hughes Aircraft Co., Airport Sta., Los Angeles 45, Calif.

PAEHR, HANS W. (SM'57), Chief Engr., Hazeltine Aga Laboratorium GmbH, Guiollettstr. 17, Frankfurt/Main.

Laboratorium GmbH, Guiollettstr. 17, Frankfurt/Main', Germany.

PAFFAS, EFTHIMIOS D. (A'54), Field Engr., Nuclear Prod., Erco Div., ACF Industries, Inc., Riverdale, Md. PAFFORD, WINTON B. (M'54), Elec. Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
PAFUNDI, MATTHEW T. (A'52), Tech. Aide, Bell Tel. Labs., 57 Bethune St., New York, N.Y.
PAGANELLI, ANTHONY C. (M'56), Dir., Mfg., 17370 Raymer St., Northridge, Calif.
PAGANELLI, THOMAS I. (SM'55), Mgr., Special Radar Project Sect., HMED, GE Co., Syracuse, N.Y.
PAGANO, CARMINE N. (S'49-A'51-M'56), Sr. Electronics Engr., 1IT Labs., Nutley 10, N.J.
PAGANO, EDWARD L. (S'49-A'51-M'56), Pres., EDAL Industries, Inc., 64 Franklin St., New Haven 11, Conn.
PAGE, CHARLES E. (S'42-A'45-SM'45), Engr., Hazeltine Research Corp., Little Neck 62, L.I., N.Y.
PAGE, CHESTER H. (A'41-SM'48-F'56), Consultant to Dir., Natl. Bureau of Standards, Washington 25, D.C.
PAGE, DONALD F. (4'54), Scientific Officer, Defence Research Telecommunications Est., Montreal Rd., Ottawa, Ont., Canada.
PAGE, DONALD W. (S'57-M'59), Field Engr., Hughes

PAGE, DONALD W. (S'57-M'59), Field Engr., Hughes Aircraft Co., Culver City, Calif.

Aircraft Co., Culver City, Calif.
PAGE, EDWIN R. (A'54), Electronics Engr., Ge Co.,
Syracuse. N.Y.

Syracuse, N.Y.

PAGE, ESTERLY C. (M'42-SM'43), Pres. & Chmn. of Bd., Page Comminications Engrs., Inc.; Dir., Edison-Page, S.D. A., Rome, Italy; Partner, Page Creutz, Steel & Waldschmitt. Inc., 710 14th St. N. W., Washinaton 5.D.C.

PAGE, FLOYD E., JR. (A'51-M'53-SM'59), Sect. Head, Hazeltine Electronic Div., Little Neck 62, L.I., N.Y.

PAGE, HENRIETTA M. (A'5B), Chief, Research Library, Avco Research & Advanced Dev. Div., 20 S. Union St., Lawrence, Mass.

Lawrence, Mass.

PAGE, IRVING H. (SM'56), Assoc. Supt., Radar Div., U.S. Naval Research Lab., Washington 25, D.C.

PAGE, ORVILLE D. (SM'58), Thompson-Ramo-Wooldridge, Inc., Dage TV Div., W. 10 & Sheridan, Michigan City, Ind.

PAGE, ROBERT K. (S'50-A'51-M'56), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.

PAGE, ROBERT M. (SM'45-F'47), Dir., Research, U.S. Naval Research Lab., Washington 25, D.C.

PAGE, ROBERT S. (4'74-M'55), Engr., Erie Resistor Corp., 644 W. 12 St., Erie 6, Pa.

PAGE, RONALD (S'58-M'59), Research Engr., Boeing Airbane Co., Seattle, Wash.

PAGE, VIRGINIA E. (M'51), Consulting Engr., Page, Creutz, Steel & Waldschmitt, 710 14 St., N.W., Washington 5, D.C.

PAGEL, RICHARD W. (S'55-M'57), Field Engrg., IBM.

PAGEL, RICHARD W. (S'55-M'57), Field Engrg., IBM,

PAGEL, RICHARD W. (S'55-M'57), Field Engrg., IBM, Kingston, N.Y.

PAGELS, WALTER (A'51), Sr. Electronics Engr., Convair-Astronautics, San Diego, Calif.

PAGES, ENRIQUE V. (A'54), Chief, Transmitter Div., Circuito CMQ, S.A., Radiocentro, Habana, Cuba.

PAGET, FREDRICK W. (M'56), Sr. Engr., Electronic Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Muntur View, Calif.

PAGLEE, EDGAR H. (S'57-M'5B), Dev. & Research Engr., Stewart Warner Electronics, 130D N. Kostner, Chicago 51,

PAI, MANGALORE V. (A'34), DIr., Govt. of India, Over-seas Communications Service, Radio House, Apollo Bunder, Bombay 1, India.

PAI, STEPHEN M. (S'56-M'5B), Engr., Philoc Corporation, 4700 Wissahlckon Ave., Philadelphia 44, Pa.
PAICE, KEITH M. (A'5B), Installation Supvr., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C. ington 5, D.C.

PAIGE, ARLIE E. (SM'56), Prof. & Chmn., Dept. of Elec.
Engrq., University of Denver, Denver, Colo.

PAIGE, DAN R. (S'57-M'5B), Electronics Engr., U.S. Naval Air Missile Test Center, Point M 19u, Calif. PAIGE, WAYNE S. (S'55-M'59), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. PAIKOFF, BURTON L. (S'56-A'57), Elec. Lab. Supvr., Radio Receptor Co., Inc., 240 Wythe Ave., Brooklyn 11,

N.Y.
PAIN, DONALD H. (A'53), Mgr., Systems Mktg. & Engrg., RCA Internat!, Div., 30 Rockefeller Plaza, New York 20, N.Y.
PAINCHAUD, PHILLIP A. (A'4B-M'55), Supvr., Elec. Calibration Standards Lab., Nortronics Div., Northrop. Corp., 500 E. Orangethorpe Ave., Anaheim, Calif.

PAINE, BELAB. (S'51-A'52-M'55), Prod. Engr., Special Prods. Div., Sprague Electric Co., 35 Marshall St., North Adams, Mass.

PAINE, GEORGE R. (M'5B), Head, Quality Control Dept., Genl. Precision Lab., Inc., 270 Marble Ave., Pleasant-ville, N.Y.

PAINE, HAROLD G. (A'43-M'40), Electronic Scientist, Naval Research Lab., Anacostia Sta., Washington 25, D.C.

PAINE, JAMES A. (A'52), Hgrs. Sales Engr., Motorola, Inc., Semiconductor Prods. Div., 5005 E. McDowell Rd., Phoenix, Ariz.

PAINE, NELSON W. (5'56-M'58), Assoc. Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

PAINE, STEPHEN T. (M'57), Sr. Research Engr., Convair, San Diego, Calif. PAINTER, J. EARLE (S'57-M'59), Asst. Engr., Westing-house Elec. Corp., Box 1897, Baltimore 3, Md. PAINTER, JOHN G. (M'5B), Instrument Engr., United States Rubber Co., Wayne, N.J.

PAINTER, PARKER JR. (M'52-SM'57), Pres., Dynatronics, Inc., 717 W. Amelia, Orlando, Fla. PAINTER, RICHARD R. (M'58), Applications Engr., RCA, Somerville, N.J.

Somerville, N.J.
PAINTER, WALTER C. (S'56-M'57), 6B14 Baker St.,

Somerville, N.J.

Somerville, N.J.

PAINTER, WATER C. (S'56-M'57), 6B14 Baker St., Pittsburgh 6, Pa.

PAISLEY, MELVIN R. (A'52-M'5B), Engr., Boeing Airplane Co., Box 3707, Seattle 14, Wash.

PAISLEY, PETER P. (M'57), Mgr. & Pres., Paisley Prods. of Canada, Ltd., 36 Unton Rd., Scarborough, Ont., Canada.

PAISLEY, PETER P. (M'57), Mgr. & Pres., Paisley Prods. of Canada, Ltd., 36 Unton Rd., Scarborough, Ont., Canada.

PAISLEY, S. ROY. (A'44-M'55), Owner, Eclipse Electronics Co., 153 Logan Awe., Toronto, Ont., Canada.

PAISLEY, S. ROY. (A'44-M'55), Owner, Eclipse Electronics Co., 153 Logan Awe., Toronto, Ont., Canada.

PAISS. MARTIN H. (SM'57), RCA, Moorestown, N.J.

PAIVINEN, JOHN O. (S'47-A'51-M'56), Mgr., Computer Engr., Get Co., 951 Commercial, Palo Alto, Calif.

PAJAK, ALEXANDER W. (S'49-A'53-M'5B), Field Engr., Avlon Div., ACF Industries, Inc., 299 State Hwy. 17, Paramus, N.J.

PAKALA, JOHN J. (M'48), Exec. V. P., Research & Dev., A. R. F., Prods., Inc., 7627 Lake St., River Forest. III.

PAKE, FRANCES G. (M'57), Dev. Engr., Goodyear Aircraft Co., 1210 Massillon Rd., Akron. Ohio.

PAL, PRAFULLA C. (M'56), Reader in V.F. & Carrier Telephone Engrg., Goot. Engr., College, Jabalpur, M.P., India.

PALANDRI, GIUSEPPE L. (A'51), Tech. Mgr., Research & Dev., Arabouell, Phoenix, Ariz.

PALANDRI, GIUSEPPE L. (A'51), Tech. Mgr., Research & Engrg., Ord. Engr., College, Jabalpur, M.P., India.

PALASKY, ERVIN C. (S'50-A'51-M'56), Electronic Scientist, Material Lab., New York Naval Sta., Brooklyn, N.Y.

PALEDR, T. P. (M'46), Suppry, Electronic Scientist, Material Lab., New York Naval Sta., Brooklyn, N.Y.

PALEDR, T. P. (M'46), Suppry, Electronic Scientist, Material Lab., New York Naval Sta., Brooklyn, N.Y.

PALEN, DASCH, P. (A'43-M'45), Sr. Engr., Radio Tube Dev., Sylvania Elec. Prods., Inc., Emporium, Pa.

PALER, D. JOSEPH C. (A'64-M'55), Jr. Engr., F. W. Sickles Div., Genl. Instrument Corp., 1301 Herkimer St., Joliet, III.

PALES, JOSEPH C. (A'64-M'55), Sr. Engr., F. W. Sickles Div., Genl. Instrument Corp., 1301 Herkimer

Systems, RCA, Moorestown, N.J.
PALEY, LAWRENCE (S'50-A'57-M'57), Elec. Engr., RCA, Camden, N.J.
PALEY, WARREN D. (A'46-M'55), Genl. Mgr., Inertia Switch, Inc., 311 W. 43 St., New York, N.Y.
PALEY, WILLIAM S. (A'54), CBS, 4B5 Madison Ave., New York, N.Y.
PALIEY, WILLIAM S. (A'54), CBS, 4B5 Madison Ave., New York, N.Y.
PALIK, FRANK (A'3B-VA'39-M'55), Asst. Chief, Domestic Radio Facilities Div., Common Carrier Bureau, FCC, Washington 25, D.C.
PALIN, ERIC L. (A'45-M'47-SM'50), Administrative Asst. to the Principal, Ryerson Institute of Technology, 50 Gould St., Toronto, Ont., Canada.
PALKA, FRANK M. (S'56-M'57), Engr., Sperry Electronic Tube Div., Gainesville, Fla.
PALLANDON, MICHAEL J. (S'50-A'51-SM'57), Electronics Engr., GE Co., Syracuse, N.Y.
PALLAKOFF, OWEN E. (S'51-A'55), Flec. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
PALLANGF, EUGEN E. (S'55-A'55), Project Mgr., Electric Boat Co., Groton, Conn.
PALLAS, CHRISTO M. (S'50-A'51), Owner, Television Service Co., Pallas Radio, 5000 Mission St., San Francisco 12, Calif.
PALLER, JOSEPH L. (A'50-M'55), Power, Television Service Co., Pallas Radio, Souo Mission St., San Francisco 12, Calif.
PALLETT, HARRISDN E. (S'56-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
PALLISSARD, JOSEPH W. (A'52), Instr., American Institute of Engra, & Technology, 1135 W. Fulleron, Chicago 14, Ill.
PALLOZOLA, MICHAEL F. (A'54), Mgr., Special Prods. Div., Hollander & Co., Inc., 3900 W. Pine, St. Louis B, Mo.
PALLUEL, PIERRE C. (SM'56), Ingenieur, Compagnie Generale de Telegraphie Sans Fill Dent. de Recherches "Electronique et Alomistique," 23, Rue du Maroc, Paris 190, France. PALM, ANDREW W. (\$'52-A'53-M'5B), V.P. Microsecond Electronics, Inc., 2212';E. Washington, Phoenix, Ariz. PALM, HARRY A., JR. (\$'48-A'49-M'55), Area Engr., Western Union Telegraph Co., 427 S. LaSalle St., Chicago, III.

PALM, KENNETH E. (S'44-A'47-M'55-SM'57), Engrg. Leader, RCA, Camden, N.J.
PALM, RAYMON A. (S'-B-M'59), Electronics Engr., Lock-heed Aircraft Corp., Sunnyvale, Calif.
PALMATEER, RUSSELL E. (A'36-SM'4B), Chief Chemist, Radio Tube Div., Sylvania Elec. Prods., Inc., Emporium, Pa.
PALMBLAD, BO (A'56), Pres., Bo Palmblad AB, Homsgatan SB, Stockholm, Sweden.
PALMER, RALAND F. (M'59), Defense Prods. Rep., Westinghouse Elec. Corp., 32 N. Main St., Dayton, Ohio.
PALMER, ARLAND F. (M'46), Geophysicis Research, Humble Oil & Refining Co., Box 21BO, Houston 1, Tex.
PALMER, CARL F. M. (B. (A'49), District Mar., Washimdon.

PALMER, CARL E., JR. (A'49), District Mgr., Washington, D.C., Amphenol-Borg Electronics Corp., 1830 S. 54 Ave., Chicago 50, III.

PAL-PAR - 323 -

- PALMER, CHARLES W. (SM'47), Chief Test Equipment Design Dept., Western Electric Co., Lexington Road, Winston-Salem, N.C. PALMER, DALE R. (S'54-M'57), Research PhysicIst, Minneapolis-Honeywell Regulator Co., BOO Washington Hopkins, Minn.
- PALMER, DAVID H. (A'56), Audio Engr., Alfred T. Palmer Productions, 130 Bush St., San Francisco 4, Calif. PALMER, DAVID L., JR. (S'42-A'53-M'58), Engr., Librascope Commercial Div., 100 E. Tujunga, Burbank, Calif.
- Calif.

 PALMER, DAVID R. (S'56-M'57), Aeronautical Prods.
 Field Engr., Sperry Gyroscope Co., 1830 Industrial
 Ave., Wichita 16, Kan.

 PALMER, DON L. (S'51-M'54), New Prod. Design Engr.,
 Hewlett-Packard, 1501 Page Mill Rd., Palo Alto, Calif.

 PALMER, DOUGLAS B. (S'57-M'5B), Engr., Western Electric Co., 204 Graham-Hopedale Rd., Burlinston, N. C.

 PALMER, EDWARD F. (A'5B), Assoc. Publications Engr.,
 IBM, Kingston, N. Y.

 PALMER, EVERETT B. (S'51-A'53-M'57), Field Engr.,
 Sperry Gyroscope Co., Great Neck, L. I., N.Y.

 PALMER, FRANCIS J. (A'47-M'55), Staff Engr., Cook Research Lab., 8100 Monticello Ave., Skokie, III.

 PALMER, GORDON, JR. (S'42-A'45-SM'54), V.P. for Mfg.,
 Technitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphia
 34, Pa.

 PALMER, HARRY L. (M'56), Mdr., Engrg. Sect., Specialty

- Technitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphi 34, Pa.
 PALMER, HARRY L. (M'56), Mgr., Engrg. Sect., Specialty Control Dept., GE Co., Waynesboro, Va.
 PALMER, HENRY H. (A'55), Proprietor, Rafael Enterprises, Box 372, Litchfield, Conn.
 PALMER, JAMES D. (M'57), Asst. Prof., Elec. Engrg., Univ. of Oklahoma, Norman, Okla.
 PALMER, JAMES E. (A'44-M'46-SM'57), Project Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
 PALMER, JAMES E. (A'3B-VA'39), Electronics Engr., Bell Helicopter Corp., Hurst, Tex.
 PALMER, JAMES E. (S'53-A'55), Engr., RCA, Camden 2, N.J.

- PALMER, JAMES K. (S'52-M'54), Sales Mur., Micro-wave Engrg. Labs., 943 Industrial, Palo Alto, Calif. PALMER, JAMES R. (M'55-SM'55), Pres., Community Engrg. Corp., State College, Pa.

- Engro. Corn., State College, Pa., Pres., Colliminity Engro. Corn., State College, Pa. Pal.MER, JOHN B., JR. (M'56), Engrg. Leader, RCA, Moorestown, N.J.

 PALMER, JOHN H. (S'49-A'50), Project Coordinator, IBM, 590 Madison Ave., New York, N.Y.

 PALMER, LARRY C. (M'56), Sr. Electronics Engr., Emerson Research Labs., 701 Lamont St., N.W., Washinston, D.C. PALMER, LEONARD N. (S'46-A'48-M'55-SM'58), Col., USAF, ACOS/Communications, Allied Air Forces, Southern Europe, FPO 510, New York, N.Y.

 PALMER, OSCAR M., JR. (S'47-A'49-M'55), Elec. Engr., Seismic Explorations, Inc., Box 624B, Houston 6, Tex.

 PALMER, P. R. (A'52-M'57), Project Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 PALMER, PAUL D. (M'58), Elec. Engr., LMED, GE Co.,

- Sandia Base, Albuquerque, N.M.
 PALMER, PAULD. (M'5B), Elec. Engr., LMED, GE Co.,
 Ulica, N.Y.
 PALMER, PAULD. (S'57-A'59), Electronic Equipment
 Mech., Natl. Aeronautics & Space Administration, 2100
 Brook Park Rd., Cleveland, Ohio.
 PALMER, PETER J. (S'43-A'45-M'55), Project Leader,
 Dev. & Research Staff, MIT Instrumentation Lab., Cambridge 39, Mass.
 PALMER, RICHARD C. (S'52-A'43-M'50)
- bridge 39, Mass.

 PALMER, RICHARD C. (S'52-A'43-M'50), Engr., Research & Dev. Div., Allen B. DuMont Labs., Inc., 35

 Market St., East Paterson, N.J.
- PALMER, RICHARD P. (A'47), Radio Officer, Marine Radio Shipboard Sta., Alcoa Steamship Co., 1 Canal St., New Orleans 16, La.
- Urleans 16, La.

 PALMER, ROBERT N. (A'35-M'37-SM'43), Mgr., Design
 & Dev., Sylvania Elec. Prods., Inc., 500 Evelyn Ave.,
 Mountain View, Calif.

- Mountain View, Calif.
 PALMER, ROBERT T. (A'53-M'55), Patent Lawyers, BB
 Broad, Boston 10, Mass.
 PALMER, RUSSELL S. (A'56), Electronics Services, 231
 Shawnee Ter., Louisville, Ky.
 PALMER, WARREN E. (M'56), Engrg. Supvr., Autonetics
 Div., No. Amer. Aviation, Downey, Calif.
- PALMER, WARREN G. (M'5B), Project Supvr., American Machine & Foundry Co., 2510 Louisburg Rd., Raleigh, N.C.

- N.C.

 PALMER, WILLARD F. (M'57), Electronics Engr., Portsmouth Naval Shipyard, Portsmouth, N.H.

 PALMER, WILLIAM D. (S'51-A'53-M'57), Sr. Engr., Temco Aircraft Corp., Box 6.191, Dallas 22, Tex.

 PALMER, WILLIAM F. (A'51), Head, Advanced Circuit Dev. Sect., Semiconductor Div., Sylvania Elec. Prods., Inc., Woburn, Mass.
- PALMER, WINSLOW (S'3B-A'41eSM'50-F'56), Engr., Section Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- PALMERS, ALBERT (S'56-M'57), Dev. of Instrument Motors & Generators, Electric Indicator Co., Inc., Camp Ave., Springdale, Conn. PALMERSON, PETER J. (S'54-M'57), Electronics Engr., Ryan Aeronautical Co., 2750 W. Lomita Bl
- PALMIERI, CHESTER A. (A'55), Sr. Engr., Hazeltine Corp., 59-25 Little Neck Pkwy., Little Neck 62, L.I., N.Y.
- PALMISANO, GEORGE A. (S'56-A'57), Lab. Technician, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 PALMITER, RUSSELL B. (SM'54), Dir., Military Engro., Electronics Corp. of America, 1 Memorial Dr., Cambridge, Mass.
- Mass.
 PALMQUIST, CHARLES A. (A'46-M'55), TV Sr. Project Engr., CBS, 4B5 Madison Ave., New York 22, N.Y.
 PALMQUIST, EDMUND B. (A'54). Writer & Engr., Stevens Engrs. Co., Newark, N.J.
 PALMQUIST, JOHN F. (A'42-5M'44), Broadcast Equipment Sales, RCA, 11B6 Merchandise Mart Plaza, Chicago 54, III.
- PALMQUIST, MARTIN L., JR. (S'42-A'45-M'55), Project Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
- PALMQUIST, NELS B., JR. (SM'57), Supvr., Satellite Elec. Power Systems, Lockheed Missile & Space Div., Sunnyvale, Calif.
- PALO, ALLEN M. (3'57-M'5B), Evaluation Engr., Minr eapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis, Minn.

- PALOCZ, ISTVAN (SM'59), Research Engr., IBM, 612 W. 115 St., New York 25, N.Y. PALOCZ, SUZANNE (S'57-M'59), 515 E. B9 St., New York 28, N.Y.

- PALOCZ, SUZANNE (S'57-M'59), 515 E. B9 St., New York 28, N.Y.

 PALSEY, ERNEST W. (S'56-A'5B), Missile Ground Support Equipment Instr., Northrop Aircraft, Inc., Hawthome, Calif.

 PALTER, NORMAN H. (S'41-A'44-SM'50), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PALTHE, RICHARD W. (S'54-M'57), Electronics Engr., Ampex Coron., 934 Charter, Redwood City, Calif.

 PALUGHI, JOHN F. (A'51), Field Service Engr., Motorola, Inc., 4545 Augusta Blvd., Chicago, Ill.

 PALUKA, CHARLES F. (SM'5B), Project Engr., Genl. Mills, Inc., 2003 E. Hennepon Avc., Mineapolis, Minn.

 PALUKA, JOHN R. (S'53-M'56), Research & Dev. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 PAMLER, ROLAND G. (M'46), Head, Reliability Engrg., Hughes Aircraft Co., Culver City, Calif.

 PAMPHLON L. EDWARD (A'41-M'55-SM'59), Consulting Engr., 4201 Jefferson St., Hyattsville, Md.

 PAN, JOHN W. (S'55-M'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 PAN, PALM. (M'52), 10140 Rigps Rd., Adelphi, Md.

 PAN, WEN Y. (A'41-SM'46-F'5B), Mgr., RCA, Camden, N.J.

- PANAGAKIS, HARRY (A'57-M'5B), Mng. Dir., H. P. Radio Services, Ltd., 51-55 County Rd., Walton , Liver-pool 4, England.
- PANAGES, THOMAS S. (S'56-M'57), Electronics Engr., Precision Instruments, 1011 Commercial, San Jose, Calif.
- Precision Instruments, 1011 Commercial, San Jose, Calif. PANAGOS, PETER (M'55), Electromerchanical Design Engr., 3 Palmer Sa., Princeton, N.J.
 PANASIEWICZ, JOSEPH J. (M'57), Supvy. Electronics Engr., Rome Air Development Center, Rome, N.Y.
 PANCHOT, HARRY W. (SM'57), Mgr., Radio Engr., U. S. Information Agency, Manila, Philippine Islands.
 PANDISCIO, ALFRED A. (A'51–1452–M'57), Research Asst., Applied Physics, Grad. School, Harvard Univ., 146 Oxford St., Cambridgo 40, Mass
 PANDIT, JAWAHAR D. (A'57), Asst. Elec. Engr., Kaiser Engrs., Overseas Corp., Jamshedpur, India.

- Engrs., Overseas Corp., Jamshedpur, India.

 PANDORF, RICHARD J. (S'5B-M'59), Design Engr., RCA, Camden, N. J.

 PANEC, DONALD O. (M'56), Project Engr., Admiral Corp., 3B00 Courtland, Chicago 47, III.

 PANEC, GERALD A. (M'51-SM'56), Sect. Mgr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 PANETTA, ALBERT R. (S'47-A'4B-M'55), Project Engr., Baird-Atomic, 33 University Rd., Cambridge, Mass.

 PANG, DANIEL (A'42-M'55), Head, Ship Branch, Electronics Div., U.S. Naval Shipyard, Pearl Harbor, Navy #12B, FPO San Francisco, Calif.

 PANG, TET C. (S'53-A'54), Research Asst., Ohio State Univ., Columbus, Ohio.

 PANGBORN, HERBERT W. (SM'50), Mgr., TV Tech.
- PANGBORN, HERBERT W. (SM'50), Mgr., TV Tech. Operations, CBS, 6221 Sunset Blvd., Hollywood 2B, Calif.

- Univ., Columbus, Ohio.

 PANGBORN, HERBERTW. (SM'50), Mgr., TV Tech. Operations, CBS, 6221 Sunset Bivd., Hollywood 2B, Cailf.

 PANGBURN, LAWRENCE R. (M'56), Electronics Design Engr., GE Co., Utica, N.V.

 PANKAGUA, RALPH (A'57), Jr. Engr., Skiatron Electronic & TV Corp., 1BO Varick St., New York, N.Y.

 PANIAM, FREDERICK C. (S'56-M'51), Research Engr., Aluminum Co. of America, Alcoa Research Labs., Freeport Rd., New Kensington, Pa.

 PANICELLO, THOMAS B. (S'51-A'52-M'57), Dev. Engr., Burroughs Corp., Central Ave., Paoli, Pa.

 PANICE, ROBERT J. (S'56-M'5B), Jr. Engr., IBM, Poughkeepsie, N.Y.

 PANKIEWICZ, CHARLES L. (S'50-A'52-M'57), Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 PANKOW, JOSEPH F. (A'53), Electronics Technician, Rauland-Borg Corp. 3515 W. Addison, Chicago 1B, III.

 PANKOVE, JACQUES I. (A'45-S'4B-A'49-SM'55), Research Engr., RCA Labs., Princeton, N.J.

 PANKOWSKI, BERNARD J. (S'50-A'52-M'56), Radio Engr., Remington Rand Univac, 315 4 Ave., New York, N.Y.

 PANNILLO, FRANK T. (A'56), Dev. Engr., Microphase, Inc., 1 Seneca Pi., Greenwich, Conn.

 PANOS, RALPH J. (A'53), Physicist, E. I. du Pont de Nemours & Co., Inc., Photo Prods., Parlin, N.J.

 PANSCH, HAROLD J. (A'53), Physicist, E. I. du Pont de Nemours & Co., Inc., Photo Prods., Parlin, N.J.

 PANSCH, HAROLD J. (A'53), TechRep., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 PANTALONE, WILLIAM N. (M'57), 7729 W. Argyle St., Norridge, Chicago 31, III.

 PANTAZELOS, PETER G. (S'50-A'55), Sales Mgr., Hydel Inc., 7 Cedar St. Place. Somerville 43. Mass.

 PANTALONE, WILLIAM N. (M'57), 7729 W. Argyle St., Norridge, Chicago 31, III.

 PANTAZELOS, PETER G. (S'50-A'55), Sales Mgr., Hydel Inc., 7 Cedar St. Place. Somerville 43. Mass.

 PANTALONE, WILLIAM N. (M'57), 7729 W. Argyle St., Norridge, Chicago 31, III.

 PANTAZELOS, PETER G. (S'50-A'55), Sales Mgr., Hydel Inc., 7 Cedar St. Place. Somerville 43. Mass.

 PANTALONE, WILLIAM N. (M'57), 7729 W. Argyle St., Norridge, Chicago 31, III.

 PANTAZELOS, PETER G. (S'50-A'55), Sales Mgr., Hyde

- Greece.

 PAPADOPOULOS, NICK D. (A'57) Maint, Sunyr, Salonica Relay Base-V. O. A., Thessaloniki, Greece.

 PAPAIDAN, IONEL M. (S'52-M'55), Electronics Engr., Norden Labs., 5B Commerce Rd., Stamford, Conn.

 PAPAMARCOS, GEORGE (A'49-M'55), Sales Engr., Radio Engr., Labs., Inc., 29-01 Borden Ave., Long Island City, N.Y.
- PAPANICOLAOU, NICHOLAS M. (M'5B), Project Engr., Bendix Aviation Corp., Baltimore 4, Md. PAPANOU, DEAN S (A'52-M'57), Elec. Engr., ITT Labs., Nutley 10. N.J.

- PAPARIELLO, PHILIP J. (A'57), Lialson Technician, Electronic Communications, Inc., Maritime Base, St. Petersburg, Fla.
- communications, Inc., Maritime Base, St. Petersburg, Fla.

 PAPAS, CHARLES H. (S'41-A'42-M'55), Assoc. Prof., California institute of Technology, Pasadena 4, Calif.

 PAPAS, JOHN (A'46), Equipment Engr., Fairchild Camera & Instrument Defence Prod. Div., 5 Aerial Way, Robins Lane, Syosset, L.I., N.Y.

 PAPE, ARTHUR (A'53), Field Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.

 PAPE, LEONARD W. (A'56), Field Engr., Chicago Communication Service, 5046 S. Pulaski Rd., Chicago 32. Ill.

 PAPE, MARIUS (A'53), Jr. Engr., Ling Electronics, Inc., 9937 W. Jefferson, Culver City, Calif.

 PAPE, ROBIN B. (S'57-M'59), Engrg. Writer, Westinghouse Elec. Corp., Friendship Airustri, Baltimore Md.

 PAPE, ROSER L. (S'55-M'59), Program Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 PAPIAN, WILLIAM N. (M'55-SM'56), Research Engr., MIT Lincoln Lab., Lexington 73, Mass.

 PAPICH, MIKE G. (S'54-M'57), Project Engr., Transport Div., Boeing Airplane, Renton, Wash.

 PAPIER, JERRE H. (S'55-A'55-M'59), Poget Engr., Shure Brothers, Inc., 222 Hartrey Ave., Evanston. Ill.

 PAPKE, FREDERICK E. (S'57-M'59), Project Engr., Trilon Research Corp., 72-09 Broadway, Jackson Heights 72, L.I., N.Y.

- N.Y.
 PAPOULIAS, VICTOR P. (S'45-A'52-M'57), Electronics
 Engr., Temco Aircraft Corp., Box 6191, Dallas, Tex.
 PAPOULIS, ATHANASIOS (SM'55), Prof., Elec. Engrg.,
 Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn
 1, N.Y.
- N.Y.

 PAPOUSCHEK, FRANZ (M'55), Dev. Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.

 PAPPAS, CHRIS (M'53), Engr., RCA, Moorestown, N.J.

 PAPPAS, CONSTANTINE P. (S'55-A'55-M'59), Tech. Rep., Philoc Coro., 22 St. & Lehigh Ave., Philadelphila 32, Pa.

 PAPPAS, GEORGE W. (S'55-M'56), Design & Dev. Engr., RCA, Camden, N.J.

 PAPPAS, JOHN (S'50-A'52-M'57), Field Service Engr., GE Co., Utica, N.Y.

 PAPPAS, MICHAEL J. (A'54), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, O'lio.

 PAPPAS, NICHOLAS J. (SM'5B), Pres. N.J. Pappas & Associates Co., Ltd., 1778 Beaudet St., St. Laurent, P.Q., Canada.

- PAPPAS, NICHOLAS L. (S'50-A'51-M'54-SM'57), Research Engr., Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.
- PAPPAS, PETER E. (S'4B-A'51-M'56-SM'5B), Radio Engr., Minnesota Dept. of Aeronautics, Holman Field, St. Paul 7, Minn.

- The summer of the sum of the sum
- Hartford B, Conn.
 PAQUETTE, NORMAND A. (A'54-M'5B), Research Engr.,
 Melpar, Inc., 43 Leon St., Boston, Mass.
 PAQUIN, JAMES H. (SM'57), Sr. Dev. Engr., Burroughs
 Corp., ElectroData Div., 460 N. Sierra Madre Villa,
 Pasadena, Calif.

- Pasadena, Calif.

 PARAD, LEONARD I. (A'59), Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 PARADIS, BERNARD (A'51), Chief Engr., D. Paradis Co., 551 40 St., Union City, N.J.

 PARADIS, KEITH (A'57), Field Engr., Glifillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

 PARADIS, ROLAND J. (M'57), Electronic Scientist, Diamond Ordinance Fuze Labs., Washington 25, D.C.

 PARADISE, MAURICE E. (SM'53), V. P., Hoffman Electronics Corp., 3761 S. Hill, Los Angeles 7, Calif.

 PARADISE, RONALD V. (A'50-M'55), Staff, Electronics Engr., Kearfott Co., 1500 Main Ave., Clifton, N.J.

 PARADISE, RONALD V. (A'50-M'55), Principal.

- Engr., Kcarfott Co., 1500 Main Ave., Clifton, N. J. PARMASIVAYYA, GUBBI S. (A'41-M'47), Principal, Kamatak Science College, Dharwar, India. PARAMITHAS, CHRISTOS P. (S'57-M'57), Staff Mem., RCA Research Labs., Rocky Point, L.I., N.Y. PARCHIM, NORMAN J. (S'56-M'57), Lab. Asst., Teletype Corp., 1400 W. Wirghtwood Ave., Chicago 14, III. PARDEE, DTWAY O. (S'40-A'46-M'55), Assoc. Prof., Mathemators, Syracuse Iniv., Syracuse 10, N.Y. PARDEE, SCHUYLER, JR. (A'45-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J. PARDEE, STEPHEN (M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. PARDEO, LONG, JOSEPH J. (M'57), Mem. Tech. Staff, Bell Tel. PARDEV, SCH. JOSEPH T. (M'57), Mem. Tech. Staff, Bell Tel. PARDEV, SCH. JOSEPH T. (M'51), Sect. Chief, Engra.
- Laos., Murray Hill, N.J.
 PARDOVICH, JOSEPH T. (MISB), Sect. Chief, Engrg.,
 Western Electric Co... 220 Church St., New York 13, N.Y.
 PARE, THOMAS J., (S'57-A'5B), Design Engr., LouisAllis Electric Motor Co... 427 E. Stewart, Milwaukee
 7, Wis.
- 7, Wis.

 PARENT, CILLES J. C. (A'55), Central Office Man Toll Dept., Bell Tel. Co., of Canada, Montreal P.Q., Canada. PARENT, LEONARD E. (M'56), Meterologist, Canadian Govt., Dept. of Transport, Whiteborse, Yukon, Canada. PARENT, ROBERT J. (M'46), Prof., Elec. Engrg., Dir., Elec. Standards & Instrumentation Labs., Univ. of Wisconsin, Madison 6, Wis.
- SIN, Madison 6, Wis.

 PARENTI, VINCENZO M. (A'50-M'51), Chief Engr., Siemens, Via Monterosa B3, Milano, Italy.

 PARESEAU, PAUL H. (M'59), Publications Engr., Raytheon Mfg. Co., Wayland, Mass.

 PARETO, JOAO V., III (A'31-VA'39-M'57), Dir., Sabre S. A. Brasilerra de Radio Electricidade, Box 5024, Rio de Janêrro, Brazil.
- PARFITT, RICHARD J. (S'50-A'51-M'56), Field Engr., Hughes Aircraft Co., Culver City, Callf. PARCAS, PAUL (M'5B), 4B21 4 Ave., Washington 21,
- D.C.
 PARIBELLO, JOHN J. (A'56), Chief Draftsman, Sigmund
 Cohn Corp., 121 S. Columbus Ave., Mount Vernon, N.Y. PARIS, ALAN A. (A'54), Systems Project Engr., RCA Victor, Camden, N.J.

- PARIS, ARMAND P. (M'5B), Scientific Officer, Canadian Armament Research & Development Est., Box 1427, Quebec, P.Q., Canada.
- PARIS, DEMETRIUS T. (M'59), Sr. Electronics Systems Engr., Lockheed Aircraft Corp., B6 S. Cobb Dr., Marletta, Engr.,
- Ga.

 PARIS, HENRY B., JR. (M'56), Project Engr., Rixon Electronics, Inc., 2414 Reedie Dr., Silver Spring, Md.

 PARIS, HENRY T. (A'57), Tech. Writer, Electronic Communications, Inc., St. Petersburg, Fla.

 PARIS, REUBEN (A'55), Serviceman, 2805 N. Franklin, Wilmington 2, Del.
- Wilmington 2, Del.
 PARISA, SAMUEL G. (S'55-A'56), Electronics Technician,
 Convair, San Diego, Calif.
 PARISE, JAMES D. (S'52-A'53), 207 Matson Ave.,
 Wilkes-Barre, Pa.

- Wilkes-Barre, Pa.
 PARISER, JACK J. (S'55-M'57), Mem. Tech. Staff, Hughes
 Alrcraft Co., 3B01 Artesia St., Fullerton, Calif.
 PARISH, HAYWARD C. (A'32-VA'39), Principal, Hayward
 C. Parish Co., South & Reddy Sts., Edgecliffe, Sydney,
 N.S.W., Australia.
- PARISH, HUBERT G. (M'5B), Electronics Engr., Geni Electrodynamics Corp., 4430 Forrest Lane, Garland, Tex.

- Tex.
 PARISH, JACK P. (S'56-M'56), Elec. Engr., USAF, Brookley Field, Mobile, Ala.
 PARISH, MELVIN L. (M'56), Mem. Tech. Staff, The Ramo-Wooldridge Corp., Denver 10, Colo.
 PARISI, FRAND E. (A'45-S'47-A'51-M'56), Chlef Engr., Genl. Electronic Labs., Inc., 1B Ames St., Cambridge 42, Mass.
- Mass.

 PARISIER, MAURICE I. (A'42), Pres., Maurice I. Parisier
 & Co., 741-745 Washington St., New York 14, N.Y.
- PARISKY, ROSTISLAV N. (S'51-A'53), Project Engr., Hoffman Labs., Inc., 3740 S. Grand St., Los Angeles 7, Calif.
- Calif.

 PARK, AUGUST R. (S'51-A'54-M'57), Supvy. Engr. Westinghouse Elec. Corp., Box 1B97, Baltimore 3, Md. PARK, CHARLES W. (SM'53), Elec. Engr., Lawrence Radiation Lab., University of California, Berkeley 4, Calif. PARK. DONALD M. (A'5B), Technician, IBM, Owego, N.Y. PARK, FILLMORE R. (M'44-SM'57), Sr. Research Officer, Natl. Research Council, Radio & Elec. Engrg. Div., Montreal Rd., Ottawa, Ont., Canada.
- Montreal Rd., Ottawa, Ont., Canada.

 PARK, GERALD L. (S'57-M'59), Instr., Elec. Engrg.
 Dept.. Univ. of Minnesota, Minneapolis 14, Minn.

 PARK, GLEN, JR. (M'53), TechRep., Field Engr., Philoc
 Corp., 22 St. & Lehigh Ave., Philadelohia 32, Pa.

 PARK, JOHIL H., JR. (S'56-A'57), Research Staff Asst.,
 Johns Hopkins Radiation Lab., Baltimore 2, Md.
 PARK, KEITH R. (A'55), Tech Officer, Defence Research
 Board, Valcartuer, P.Q., Canada.
 PARK, KENNETH L. (S'50-A'55), Sr. Electronics Engr.,
 ACF Electronics, 1305 Leslie Ave., Alexandria, Va.

 PARK, LOYAL C. (S'56-M'57), Central Office Equipment
 Engr., The Lincoln Telephone & Telegraph Co., 1342

 "M" St., Lincoln, Neb.
 PARK, RAON K. (M'56), Chief, Radar Engra., USAF.

- "M" St., Lincoln, Neb.

 PARK, RENO K. (M'56), Chief, Radar Engrg., USAF, Tinker AFB, Oklahoma City, Okla.

 PARK, RODERICK L. (M'56), Mgr., Chateauroux Depot, RCA, Intermatl. Service Corp., Camden B, N.J.

 PARK, WILLIAM J. (S'53-A'55-M'57), 4121 Rupert St., Vancouver 12, B.C., Canada.

 PARKE, HARRY G. (M'5B), Chief Engr., Marine Electric Corp., 600 4 Ave., Brooklyn 15, N.Y.

 PARKE, NATHAN G., III (M'50), Pres. & Dir., Research, Parke Mathematical Labs., Inc., Bedford Rd., Carlisle, Mass.
- PARKER, ALBERT P. (A'35-VA'39-M'55), Electronics Engr., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Patterson AFB, Ohio.

 PARKER, ALEX C. (S'54-M'55), Research Engr., MIT
 Lincoln Lab., Lexington 73, Mass.

 PARKER, ALFRED J. (S'49-A'50-M'54-SM'56), Chief,
 Raddation Techniques Sect., Aerial Reconnaissance Lab.,
 Wright Air Development Center, Wright-Patterson AFB,
- Onto.

 PARKER, ALFRED T. (A'44-M'45), Chief Engr., Stoddart
 Aircraft Radio Co., 6644 Santa Monica Blvd., Los Angeles
 3B, Calif.
- PARKER, ALLEN B. (A'43-M'49), Electronic Scientist, USN Electronics Lab., Point Loma Sta., San Diego 52, Calif.
- PARKER, ANTHONY H. (M'56), Electronics Engr., De-Havilland Propeller Co., Six Hills Way, Stevenage, Herts, England.
- PARKER, B. E. (A'43-M'46-SM'49), 3B26 Pt. Loma Ave., San Diego 6, Calif. PARKER, CARL D. (S'56-M'59), Engr., Martin Co., Or-lands. Fig.

- lando, F.la.

 PARKER, CARLYLE V. (S'36-A'3B-SM'47), Electronic Scientist, Naval Research Lab., Washington 25, D. C.

 PARKER, CHARLES B. (S'57-A'5B), Electronics Technician, GE Co., Syracuse, N.Y.

 PARKER, CHARLES F. (S'56-M'57), Naval Aviator, USN, Home Address: 2025 Herschel St., Jacksonville, Fia.

 PARKER, CHARLES W. (A'52-M-57), Electronics Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala.

 PARKER, CLAIR F., JR. (A'54-SM'56), Sect. Head, Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
- PARKER, DAVID L. (S'49-A'50-M'55), Engr., Defence Research Bd., Ottawa, Ont., Canada. PARKER, DELMAR G. (S'52-M'56), Process Engr., Fisher Body Div., GMC, Detroit 2, Mich.
- BODY DIV., GMM., Detroit Z., Mich.
 PARKER, EDGAR O., JR. (S'42-A'43-M'55), Sr. Electronics Engr., Dunn Engrg. Associates, 225 O'Brien Hwy., Cambridge 41, Mass.
 PARKER, FLOYD D. (M'5B), Electronics Engr., Temco Aircraft Co., Garland, Tex.
 PARKER, HAROLD H. (A'46), 30 Eaton Rd., Lexington 73. Mass.

- / 3, Mass.
 PARKER, HAROLD J. (A'56), Central Office Man, Bell Tel. Co. of Canada, 20 Hunter, Hamilton, Ont., Canada PARKER, HARRY L. (A'44), Pres., American Speedlight Corp., 63-01 Metropolitan Ave., Middle Village, L.I.,
- PARKER, HENRY F. (S'56-M'57), Assoc. Engr., Nortronics, 202 Broadway, Hawthorne, Calif.

PARKER, JAMES A. (M'57), Physicist, U.S. Army Signal Research & Development Labs., Evans Area, Belmar, N.J. PARKER, JAMES D. (A'37-VA-39-SM'51), Dir Radio Frequency Engra, CBS Television Network, 4B5 Madison Ave., New York 22, N.Y.

- 324 -

- Ave., New York 22, N.Y.

 PARKER, JAMES F. (A'55), Communication Technician,
 Pacific Gas & Elec. Co., Box 571, Santa Rosa, Calif.

 PARKER, JAMES W. (A'44-M'55), Dev. Engr., Marconi's
 Wireless Telegraph Co., Ltd., Chelmsford, Essex, England.
 PARKER, JOHN C., JR. (S'56-M'59), 16 S. Harian St.,
 York, Pa.
- PARKER, JOHN E. (A'32-VA'39), Electronics Installation Technician, 5651 W. Manchester Ave., Los Angeles 45, Calif.

- Calif.

 PARKER, JOSEPH D. (SM'57), Secy-Genl., C.I.R.M.,
 25 Luctons Ave., Buckhurst Hill, Essex, England.

 PARKER, JOSEPH E. (S'57-M'59), Assoc. Engr., ConvairAstronautics, Box 99, Cocoa Beach, Fla.

 PARKER, JOSEPH R. (S'42-A'44-M'55), Weapons Effects
 Engr., RCA, Camden, N.J.

 PARKER, LEVIN W. (S'54-M'55), Asst. Sect. Chief,
 Prod. Dev. Sect., Rome Air Development Center, Griffiss
 AFB, N.Y.

- AFB, N.Y.

 PARKER, MARGARET M. (A'49), Professional Engr. & Writer, 229 Wakeman, Wheaton, III.

 PARKER, McIVOR L., JR. (S'55-M'57), Electronics Engr., Melpar, Inc., 3000 Arlington Blud., Falls Church, Va.

 PARKER, MERVIN J. (M'46-SM'5B), Electronics Engr., Naval Ordnance Lab., White Dak, Silver Spring, Md.

 PARKER, MORTON S. (M'5B), Sr. Engr., Avco Research & Advanced Development Div., 201 Lowell St., Wilmington, Mass.

- Mass.

 PARKER, NORMAN F. (A'50), Asst. Chief Engr., Autonetics, Div., No. Amer. Aviation, Downey, Calif.

 PARKER, RALPH O. (A'45-M'55), Sr. Electronics Engr., Convair-Astronautics, San Diego, Calif.

 PARKER, RALZEMOND D. (A'16-SM'45-F'59), Consulting Engr., 3606 Chesapeake, N.W., Washington B, D.C.

 PARKER, REAGIN F. (S'57-M'59), Dev. Engr., Minneapolis-Honeywell Regulator Co., St. Petersburg, Fila.

 PARKER REHABRO C. (A'56) Pew. Fair-Rite Prods.

- polis-Honeywell Regulator Co., St. Petersburg, Fla.
 PARKER, RICHARD G. (A'56), Pres., Fair-Rite Prods.
 Corp., Wallkill, N.Y.
 PARKER, RICHARD H. (S'44-A'45-M'55), 2B31 Post
 Oak Rd., Houston 19, Tex.
 PARKER, ROBERT H. (M'45), Radio Supvr., Maine State
 Hwy. Commission, State House, Augusta, Me.
 PARKER, ROBERT H. (S'50-A'53-M'5B), Sr. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 PARKER, ROBERT L. (A'59), Engrg. Technician, Cincinnati
 & Suburban Bell Tel. Co., 225 E. 4 St., Cincinnati 20,
 Ohio.
- PARKER, ROBERT R. (S'55-M'57), Electronics Engr.,
- GE Co., Ithaca, N.Y.

 PARKER, SAM E. (A'45-M'55-SM'59), Sr. Staff, Hughes
 Aircraft Co., Culver City, Calif.
- Aircraft Co., Culver City, Calif.
 PARKER, SHEPARD (S'4B-A'51-M'56), Systems Engr.,
 EDO Corp., College Point, L.I., N.Y.
 PARKER, SYDNEY R. (S'43-A'46-M'50), Asst. Prof.,
 Elec. Engrg. Debt., City College of New York, 13B St.
 & Convent Ave., New York, N.Y.

- Etet. Entral. Dept., City College of New York, J.3B St. & Convent Ave., New York, N.Y.

 PARKER, THOMAS A. (A'57), Tower Div. Mgr., Par-Tex Engr., & Contracting Co., Ltd., 4010 Dundas St., W., Toronto 9, Ont., Canada.

 PARKER, WILLIAM H.J.R. (SM'42), Project Engr., Pacific Mercury Television Mfg. Corp., B345 Havenhurst Ave., Van Nuys, Calif.

 PARKER, WILLIAM J. (A'54), Project Engr., AC Spark Plug Div., Dort Hwy., Flint 2. Mich.

 PARKER, WILLIAM J. (A'54), Project Engr., AC Spark Plug Div., Dort Hwy., Flint 2. Mich.

 PARKES, ALANSON W., JR. (A'30-VA'39-SM'4B), V.P., Aircraft Radio Corp., Boonton, N.J.

 PARKES, DAYLE A. (S'56-M'58), Engr., Spery Microwave Electronics Co., Box 1B2B, Clearwater, Fla.

 PARKHLL, DOUGLAS F. (S'49-A'50-M'55), Deb. Mgr., Computer & Electronic Systems Dept., Avoc Research & Advanced Dev. Div., 20 S. Union St., Lawrence, Mass.

 PARKHLIST, JAMES E. (A'54), Service Consultant,
- Advanced Dev. 101., 20 3. Offich St., Lawrence, Mass. PARKHURST, JAMES E. (A'54). Service Consultant, 4314 23 Ave., Moline, III.
 PARKHURST, ROSS A. (M'56), Elec. Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.
 PARKIN, HARRY C. (S'51-A'55), Engr., Carolina Power & Light Co., Raleigh, N.C.
- PARKIN, THOMAS R. (A'49), Head, Engrg. Dept., System Dev. Div., The Rand Corp., 2500 Colorado St., Santa Monica, Calif.
- PARKINS, FRANK A. (M'52), Supvr. in Chg. of Audio, WSB-TV, 1601 W. Peachtree St., N.E., Atlanta, Ga.
- TV, 1601 W. Peachtree St., N.E., Atlanta, Ga.
 PARKINS, GEORGE J. (S'56-M'59), 20 Rolling St., Lynbrook, L.I., N.Y.
 PARKINSON, BRADFORD W. (M'5B), 760 AC 2, W. Sq., Colville, Wash.
 PARKINSON, CHESTER B., JR. (M'54-SM'55), Design & Dev. Engr., RCA, 11B19 W. Olympic, Los Angeles 64, Calif.

- Cair.

 PARKINSON, GEOFFREY B. (A'47), Design Branch Mgr.,
 Raytheon Mfg. Co., Wayland, Mass.
 PARKINSON, GEORGE E. (M'59), Engrg. Asst., Farm Electric Services, Ltd., 140-1st Ave., W., Calgary, Alta.,
 Canada.
- Canada .

 PARKINSON , JAMES A . (A'45-M'55), Genl . Supt., Communications & Signals , Atchison , Topeka & Santa Fe Rail-way System , BO E . Jackson Blwd . Chicago 4, III

 PARKINSON , ROBERT W . (S'53-A'55) , Mem. Tech . Staff , The Ramo-Wooldridge Corp. , Box 4544 , Airport Sta. , Los Angeles 45 , Califolia . (Also) .

- Angeles 45, Calif.

 PARKISON, EDGAR R. (A'57), Engrg. Aide, Genl. Electronic Labs., Inc., B521 2nd Ave., Silver Spring, Md.

 PARKINEN, MATT (A'54), Radio Engr., Sig. Sect., Hors. Bth Army, Sig. Sect. Hors., EUSA, APO 301, San Francisco, Calif.
- cisco, Calif.

 PARKS, ARTHUR D. (M'5B), Scientific Staff Asst., Naval Research Lab., Washington 25, D.C.

 PARKS, CHARLES H. (S'56-M'5B), Project Engr., Sundstrand-Turbo, Denver, Colo.

 PARKS, FREDERICK B. (SM'43), Engrg. Sect. Head, Special Magnetrons, Bomac Labs., Salem Rd., Beverly, Mass.

- PARKS, HENRY F. (A'50-M'55-SM'5B), Chief Test Equipment & Procedures Design Engr., United Control Corp., 4540 Union Bay Pt., Seattle 5, Wash.

- Union Bay P1., Seattle 5, Wash.

 PARKS, HOWARD L. (A'53), Group Engr., Electronics,
 Martin Co., Baltimore 3, Md.

 PARKS, JAMES N. (A'56), Foreman, Central Office, Chesapeake & Potomac Telephone Co., Washington, D.C.

 PARKS, JOHN T. (S'54-M'56), Research Asst., Northeastern Univ., Boston 15, Mass.

 PARKS, JOHN V. (A'4B-A'49-M'55), Components Engr.,
 Bendix Aviation Corp., 75 & Troost, Kansas City, Mo.

 PARKS, REITH W. (S'55-A'56), Electronics Technician,
 Convair-Astronautics, Warren AFB, Cheyenne, Wyo.

 PARKS, ROBERT J. (4'4B-M'55), Chief Guidance Deut PARKS, ROBERT J. (A'4B-M'55), Chief Guidance Dept., Jet Propulsion Lab., 4B00 Oak Grove Dr., La Canada,
- Calif.

 PARKS, WILLIAM J. (SM'57), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 PARLAR, MUSTAFA N. (S'49-A'51-S'52-A'55), Middle
 East Tech, Univ., 1B Mudafaa Cadd., Ankara, Turkey.

 PARLAS, JOSEPH L. (M'4B-SM'54), Electronics Consultant, Charlotte, Vt.
- sultant, Charlotte, Vt.
 PARLEE, GRAYDON N. (SM'56), Sect. Chief, Western
 Electric Co., 3300 Lexington Rd., Winston-Salem, N.C.
 PARMELEE, SAMUEL M. (M'59), Electronics Technician,
- Hunhes Arreraft Co., Culver City, Calif.

 PARMELEE, WILLIAM G. (S'39-A'40-M'55), Radio Serviceman, Electronic Service of Walla Walla, Rte 1, Box 41, Walla Walla, Wash.

 PARMELY, EVERETT H., JR. (S'53-A'55), Tech. Asst., Bell Tel. Labs., 403, West St., New York, N.Y.

 PARMER, MERLE E. (S'52-A'53-M'58), Engr., RCA, Moorestown N. I.
- MOOTOSTOWN, N.J.

 PARMET, BERNARD S. (SM'52), Staff Consultant Engr.,

 Motorola, Inc., Western Military Electronics Center,

 3102 N. 56 St., Phoenix, Ariz.
- 3 10 2 N. 56 St., Phoenix, Ariz.

 PARNAGIAN, HAIG R. (A'59), Engr., Raytheon Mfg. Co.,
 Waltham, Mass.

 PARNELL, CARTER C., JR. (A'55), Guided Missile Design
 Engr., Army Ballistic Missile Agency, Huntsville, Ala.

 PARRELL, HENRY R. (M'55), c/o F. W. T. Moore, 12,
 Somefrod Way, Christchurch, Hants, England.

 PARRELL, JOHN (S'40-A'41-M'51), Research Engr.,
 Winneapolis-Honeywell Regulator Co., 707 W. Grange
 St., Philadelphia 20, Pa.

 PARMELL, POBERTA, (Al5A), Step Engr., Applid

- PARNELL, ROBERT A. (A'54), Elec. Engr., Arnold Engr., Co., Box G, Marengo, Ill. PARNELL, WILLIAM S. (A'52-M'57), Advisory Engr., Westinghouse Elec. Corp., Box 746, Baltumore 3, Md. PARODE, LOWELL C. (A'4B-SM'54), Assoc. Mgr., Electronics Dept., Hughes Aircraft Co., Culver City, Calif.

- tronics Dept., Hughes Aircraft Co., Culver City, Calif.
 PARODI, HENRY A. (M'59), Dev. Engr., Raytheon Mfg. Co.,
 Waltham 54, Mass.
 PARODY, CLIFFORD L. (M'59), Project Mgr., Westinghouse
 Elec. Corp., Baltimore, Md.
 PAROWSKI, GEORGE C. (M'5B), Engr., ITT Federal Div.,
 100 Kingsland Rd., Clifton, N. J.
 PARR, ALBERT F. W. (S'43-A'44-M'55), V.P., Powertronic Systems, Inc., Pine Ct., New Rochelle, N.Y.
 PARR, ELMER D. (S'52-A'53-M'5B), Research Engr.,
 Boeing Airplane Co., Box 37D7, Seattle 14, Wash.
 PARR, GEOFFREY (A'44-SM'47), Tech. Dir., Chapman &
 Hall, Ltd., 37 Essex St., Strand, London, W.C. 2, England.
- land.

 PARR, J. O., JR. (A'40-M'50-SM'55), Consulting Geo-physicist, 202 Janis Rae, San Antonio 1, Tex.

 PARRIS, DONALD S. (A'50), Dir., Electronics Div., Busi-ness & Defense Services Administration, U. S. Dept. of Commerce, 14 & Constitution Ave., Washington 25, D.C.
- Commerce, J. a. Constitution Ave., Washington 25, J.C.
 PARRIS, JOEL A. (S¹54-M¹57), Elec. Engr., Boeing
 Airplane Co., Seattle 24, Wash.
 PARRIS, ROBERT D. (S¹50-A¹51), Electronics Engr.,
 Warner Robins Air Materiel Area, Robins AFB, Ga.
 PARRIS, S. RALPH (S¹55-M¹57), Assoc. Engr., Burroughs
 Com. Paesarch Certier, Panil 28.
- Corp., Research Center, Paoli, Pa., PARRIS, WILLIAM J. (S'50-A'52-M'5B), Elec. Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 2, Md.
- PARRISH, ORVILLE C. (M'57), Reliability Engr., Texas Instruments, Inc., 6000 Lemon Ave., Dallas, Tex. PARRISH, VERNON L. (M'56), Pres., Parrish Electronics, 1810 S. St. Paul, Denver 10, Colo.
- PARRISH, WILLIAM F. (S'41-A'46-M'52-SM'5B), Sr. Engr., Westinghouse Elec. Corp., Air Arm Div., Box 746, Baltimore 3, Md.
- Baltimore 3, Md.

 PARROTT, A. D. (A'46-M'52), Radio & TV Transmission
 Engr., Northwestern Bell Tel. Co., 604 9 St., Des Moines
- PARROTT, JAMES E. (M'47), 421 E. B2 St., Seattle 15,
- PARROTT, JOHN H., JR. (A'47-M'55), Maj.; Cmdr. Saglek Air Sta., APO 677, New York, N.Y. PARROTT, NEWTON E. (A'57), 4B20 Fillmore Ter., Philadelphia, Pa.
- Philadelphia, Pa.

 PARROTT, ROBERT D. (M'45), Asst. & Telefax Research
 Engr., Western Union, 60 Hudson St., New York, N.Y.

 PARRY, CHARLES A. (SM'53), Consultant to Dir. Engrg.,
 Page Communications Engrs., Inc., 710 14 St., Washington, D.C.
- PARRY, HUGH J. (M'5B), Research Engr., Lockheed Aircraft Corp., Burbank, Calif. PARRY, JOHN P. (S'49-A'51-M'5B), Special Projects Engr., G. B. Electronics, Stewart Ave., Garden City, L.I., N.Y.
- PARRY, RONALD Y. (SM'53), Tech. Mgr., Isotope Developments, Ltd., Beenham Grange, Aldermaston Wharf, Nr. Reading, Berks, England.
- PARSONS, ANTHONY N. (M'55), Chief Electronics Engr., Vickers Amstrongs (Aircraft), Ltd., Supermarine Works, South Marston, Wilts., England.
- PARSONS, AUSTIN (M'57), Staff Engr., Lincoln Lab., MIT, Lexington 73, Mass.
 PARSONS, BYRON L. (S'42-4'45-M'55), Engrg. Sect. Head, Radar, Sperry Gyroscope Co., Great Neck, L.I., N.Y. PARSONS, DALE W. (S'56-A'57), Assoc. Engr., The Martin Co., Middle River, Md.

- PARSONS, DONALD E. (S'58-M'59), Systems Analysis Engr., McDonnell Aircraft Co., Lambert AFB, Box 513, St. Louis 3, Mo.
 PARSONS, EDWARD G. (M'53), Engr., Milgo Electronic Corp., 7601 N.W. 37 Ave., Miami, Fla.
 PARSONS, GEORGE W. (S'50-A'51), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.
 PARSONS, GODDARD C. (M'57), Asst. Dir., Cambridge Engrg. Lab., Sterling PrecIsion Corp., Instrument Div., 229 Binney St., Cambridge 42, Mass.
 PARSONS, GRAHAM W. (S'55-M'57), Methods Engr.
- PARSONS, GRAHAM W. (S'55-M'57), Methods Engr., Northern Electric Co., Ltd., Box 6124, Montreal, P.Q., Canada.
- PARSONS , J. HOWARD (M¹47) , Mem. Tech. Staff , Hughes Aircraft Co. , Florence & Teale Sts. , Culver City , Calif .

- Calif.

 PARSONS, JAMES H., JR. (A'57), Engr., Columbia Prods. Co., P. 0. Box 5207, Columbia, S. C.

 PARSONS, LYLE W. (M'56), Sr. Engr., Pacific Telephone Co., 720 Exchange Bldg., Seattle 4, Wash.

 PARSONS, PHILIP H. (S'55-M'58), Electronics Engr., Natl. Security Agency, Washington, D. C.

 PARSONS, ROBERT L. (S'51-A'54), Electronics Supvr., Point Mugu, Chance-Yought Aircraft Inc., Dallas, Tex.

 PARSONS, ROLAND W. (A'54), Transmitter Supvr., KPRC-AM-FM-TV, Houston Post Co., Box 1234, Houston 1, Tex.

 PARSONS, ROY L., JR. (M'47), Sr. Engr., Lab. for Electronics, Inc., 1079 Commonwealth Ave., Boston 15, Mass.

 PARSONS, WILLIAM L. (S'57-M'58), Jr. Mem. Tech.
- Mass.

 PARSONS, WILLIAM L. (S'57-M'58), Jr. Mem. Tech.
 Staff, Federal Telecommunication Labs., 937 Commercial,
 Palo Aito, Calif.

 PARTHASARATHY, RAGHAVAIYENGAR (SM'59), Instr.,
 Geophysical Research, Geophysical Institute, Univ. of
 Alaska, College, Alaska.

 PARTINI JOHN M. (EST. MISO.)

- Alaska, College, Alaska.

 PARTIN, JOHN N. (S'51-M'58), Mem. Tech. Staff, Ramo-Wooldridge, Los Angeles, Callif.

 PARTIN, MELVIN E. (S'49-A'49-M'55), Project Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

 PARTIN, W. (A'44-M'55), Head, Radio & Electronics Dept., Provincial Institute of Technology & Calgary, Alta, Canada.

 PARTIS, DONALD C. (S'57-A'58), Engro. Aide, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 PARTNER, ABRAHAM I. (S'56-A'56), Design Engr., Telectro Industries Corp., 35-16 37 St., Long Island
 City 1, N.Y.

- City 1, N.Y.

 PARTRIDGE, ALLYN B. (S'55-M'57), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 PARTRIDGE, GORDON R. (S'45-A'51-M'56), Dev. Engr., Raytheon Mfg. Co., Wayland, Mass.

 PARTRIDGE, RALPH E., JR. (S'51-A'53-M'57-SM'58), Staff Mem., Los Alamos Scientific Lab., Los Alamos, N.M.

 PARVIN, JULIAN A. (M'59), Tech. Rep., Eastman Kodak
 Co., 343 State St., Rochester 4, N.Y.

 PARVIN, RICHARD H. (M'57), Sr. Dev. Engr., Minneapolis -Honeywell Regulator Co., Box 760, St. Petersburg, Fia.

 PARZEN, RENIAMID (A'47-EMES), V.D. E.
- PARZEN, BENJAMIN (A'47-SM'52), V.P. Engrg., Olympic Radio & TV Div., Siegler Corp., 34-01 38 St., Long Island City 1, N.Y. PARZEN, PHILIP (SM'52), Dir., Parzen Associates, 402 Sagamore Ave., Mineola, L.I., N.Y. PARZL, RUDOLPH C. (S'55-M'56), 1350 Spazier Ave., Glendale 1, Calif.

- Sagamóre Ave., Mineola, L.I., N.Y.
 PARZL, RUDOLPH C. (S'55-M'56), 1350 Spazier Ave., Glendale 1, Calif.
 PASCAL, JOE (A'55), Mgr., Govt. & Industrial Div., Canadian Electrical Supply Co., Ltd., 275 Cralg St., W. Montreal, P. Q., Canada.
 PASCALAR, HERBERT G. (S'50-A'51-M'56), Engr., MIT, Lincoln Lab., Lexington 73, Mass.
 PASCHAL, EDWIN A. (S'54-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif.
 PASCHAL, LOWIN A. (S'54-M'57), Production Engr., Raytheon Mfg. Co., Waitham, Mass.
 PASCHAL, SAMUEL L. (M'56), Elec. Engr., Boeing Airplane Co., Seattle, Wash.
 PASCHATTO, DINO D. (S'47-A'49-M'55), Application Engr., Ce Co., Syracuse, N.Y.
 PASCHETTO, DINO D. (S'47-A'49-M'55), Application Engr., Ce Co., Syracuse, N.Y.
 PASCHETTO, EDWARD J. (M'56), S. Electronics Engr., Electronic Associates, Inc., Long Branch, N.J.
 PASCHET, RICHARDA, (A'54-M'57), Lt. Cmdr., CO, USCG, Electronics Engr., Statlon, Wildwood, N.J.
 PASCHOTO, RICHARD D. (A'54), Electronics Engr., Minneapolis-Honeywell Regulator Co., Datamatic Div., 151
 Needham St., Newton Hisplands 61, Mass.
 PASCOE, DONALD (S'48-A'51-M'56), Systems Engr., RCA
- Needham St., Newton Highlands 61, Mass.
 PASCOE, DONALD (S'48A-451-M'56), Systems Engr., RCA
 Service Co., 4374 Speedway, Tucson, Arlz.
 PASCOE, THOMAS S. (S'55-M'57), Electronics Engr.,
 U.S. Naval Ordnance Test Sta., 3202 Foothill Blvd.,
 Pasadena, Calif.

- Pasadena, Calif.

 PASCUAL, REMIGIO A. (A'44-M'52), Electronics Engr., U.S. Army Alaska Communication System, 550 Federal Office Bidg., Seattle, Wash.

 PASCUCCI, ADRIANO A. (SM'48), Research Div. Dir., Radio Hispano Suiza, S.A., Paseo de Gracia, 93, Barcelona, Spain.

 PASCUZZI, CHRIS A. (A'58), Plant Quality Control, Dietz Design & Mfg. Co., 5 Goode St., Grandview, Mo.

 PASEK, DWIGHT M. (S'32-A'42-SM'49), Asst. Chief Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

- CIMP., nazeitine Electronics Div., Little Neck 62, L.I., N.Y.

 PASEK, JERRY (S'49-A'51), Electronics Scientist, USAF, Wright-Patterson AFB, Ohio.

 PASHBY, CHARLES A. (M'57), Engr., GE Co., Utica, N.Y.

 PASHLER, PETER E. (SM'55), Sect. Mgr., Research Lab., GE Co., Schenectady, N.Y.

 PASHD, EDGAR I. (M'58), Supvr., Genl. Radio Co., West Concord, Mass.

 PASKAL, ROMAN A. (S'50-A'53), Project Evaluator, The Martin Co., Baltimore, Md.

 PASKALAKIS, LUCAS G. (M'58), Asst. Project Engr., Bendix Radio Div., Joppa Rd., Towson 4, Md.

 PASKELL, ERNEST (4'53), Supvr., Transistor Pilot Production, Delco Radio Div., Kokomo, Ind.

 PASKIL, RAY (A'47-M'55), Production Mgr., Andrea Radio Corp., 27-01 Bridge Plaza, N., Long Island City 1, N.Y.

- PASKMAN, MARTIN (M'57), Specialist, Dynamic Analysis, Missiles & Ordnance Systems Div., GE Co., 3198 Chestnut St., Philadelphia 2, Pa.

 PASKUSZ, GERHARD F. (S'50-A'53-M'56), Assoc. in Engra., Univ. of California, Los Angeles 24, Calif.

 PASLAY, LEROY C. (A'36-VA'39-M'55), Mgr., Marine Instrument Co., 6111 Maple Ave., Dallas, Tex.

 PASOFF, SIDNEY (S'57-M'58), Engr., Bell Tel. Co. of Canada, 1060 University St., Montreal, P.Q., Canada, PASONSKI, GEORGE E. (S'57-M'58), Instrumentation Engr., Rocketdyne, 6633 Canoga Ave., Canoga Park, Calif.

 PASQUA, LEON (A'49), Electronic Equipment Engr., Grumman Aircraft Engra. Corp., Bethpage, L.I., N.Y.

 PASQUA, LEON (A'49), Electronic Equipment Engr., Grumman Aircraft Engra. Corp., Bethpage, L.I., N.Y.

 PASQUAERLLO, CAMULLO J. (S'53-A'55-M'59), Staff Engr., IBM. Kingston, N.Y.

 PASQUIER, CLAUDE J. (S'50-A'51-M'55), Project Engr., ITT Labs., Nutley 10, N.J.

 PASS, HERBERT R. (M'59), Research Engr., Univ. of Southern California, Los Angeles 7, Calif.

 PASS, JOSEPH H. (M'58), Group Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.

 PASSARELLI, WILLIAM F. (S'50-A'51-M'56), Electronics Engr., GC Co., Syracuse, N.Y.

 PASSAVANT, CHARLES A. (M'56), Systems Engr., RCA, Internal Sales (Tark N. I

- PASSARELLI, WILLIAM F. (S'50-A'51-M'56), Electronics Engr., GE Co., Syracuse, N.Y.
 PASSAVANT, CHARLES A. (M'56), Systems Engr., RCA, Internati. Sales, Clark, N.J.
 PASSERA, ANTHONY I. (S'48-A'50-M'55), Research Scientist, Nati. Aeronautic & Space Agency, Hampton, Va.
 PASSERINI, HENRY J. (M'58), Mathematician, Naval Research Lab., Washington 25, D.C.
 PASSMAN, ARTHUR J., JR. (S'51-A'53-M'57), Customer Service Engr., AT&T Co., 400 Hamilton Ave., White Plains, N.Y.
 PASSMORE, FLOYD X. (A'59), Electronics Instr., Multnomah College, 1022 Salmon St., Portland, Ore, PASSOW, EDWARD B. (A'36-SM'44), Head, Special Prods. Engrg., Div., Zenlth Radio Corp., 6001 Dickens, Chicago, Ill.
- III.

 PASSOW, LAWRENCE F. (A '54), Model Maker, Wells
 Gardner & Co., 2701 N. Kildare, Chicago 39, III.

 PASSOW, ROBERT L. (S '50-A '52-M'53-SM'54), Sr
 Engr., Haller, Raymond & Brown, Inc., Box 60, State
 College, Pa.
- PASTAN, HARVEY L. (S'48-A'51-M'56), Chief Engr., Dynamic Instrument Co., Inc., 42 Carleton St., Cambridge Dynamic Ins 42, Mass.
- 42, Mass.

 PASTEL, MARVIN P. (M'52), Asst. Prof., U.S. Naval Postgraduate School, Monterey, Calif.

 PASTELL, DANIEL L. (S'45-A'48-M'55), Head, Engrg. Div., E. I., du Pont de Nemours & Co., Inc., Petroleum Lab., Box 1671, Wilmington, Del.
- PASTERNAK, EDWARD (S'54-M'57), Assoc. Engr., IBM, Endicott, N.Y.
- Endicott, N.Y.

 PASTERNAK, JEROME M., (S¹56-A¹57), Electronics Technician, Zenith Radio Corp. of New York, 111 8 Ave., New York, N.Y.
- nician, Zenith Radio Corp. of New York, 111 8 Ave., New York, N.Y.

 PASTON, ROY G. (S'54-M'56), Lt. jg., USN, Civil Engr. Corps, Contracts Office, Ault Field, Oak Harbor, Wash.

 PASTOR, GEORGE J. (S'55-M'55), Research Engr., Aeronutronic Systems, Inc., 1234 Air Way, Glendale, Calif.

 PASTORIZA, HUGH G., JR. (M'54), Morr., Prod, Control, IBM World Trade Corp., 821 U.N. Plaza, New York, N.Y.

 PASZKO, HENRY A. (S'56-A'58), Electronics Test Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 PATAKI, ERNEST (A'52-M'55), Engr., Astron Corp., 255

 Grant Ave., East Newark, N.J.

 PATAY, JOSEPH J. (S'51-A'54), Elec. Draftsman, Libbey Owens Ford Glass Co., 1701 E. Broadway, Toledo 5, Ohio.

 PATCH, CLIFFORD S. (SM'57), Sr. Engr., Sylvania Elec.

 Prods., Inc., 500 Evelyn Ave., Mountain Urew, Calif.

 PATCH, F. DAVID (S'55-M'58), Electronics Test Equipment Engr., 18M, Endicott, N.Y.

 PATCH, HARRY W., JR. (M'57), Lt. jg., USN, Electronics Officer, U.S. Naval Communication Sta., Guam.

 PATCH, RICHARD J. (S'54-M'56), Transistor Circuit Dev. Engr., M & OSD, GE Co., 100 Plastics Ave., Pittsfield, Mass.

 PATCHELL, JAY T. (S'49-A'50-M'58), Sr. Engr., Raytheor

- Mass.
 PATCHELL, JAY T. (S'49-A'50-M'58), Sr. Engr., Raytheon
 Mfg.Co., Box 636, Santa Barbara, Calif.
 PATCHELL, THOMAS A. (M'57), 217 Merrybrook Dr., Haver-

- PATCHELL, THOMAS A. (M'57), 217 Merrybrook Dr., Havertown, Pa.
 PATCHETT, GERALD N. (M'44), Head, Elec. Engrg. Dept.,
 Bradford Institute of Technology, Gt. Horton R., Bradford,
 Yorks., England.

 PATE, GEORGE W., JR. (A'55), Project Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PATE, JOSEPH D. (S'57-M'59), Engr., Melpar, Inc., 3000
 Arlington Bivd., Falls Church, Va.
 PATEL, BABUBHAID. (A'58), Electronics Design Engr.,
 2807 San Marino, Los Angeles 6, Calif.
 PATEL, SURES N. (A'45-M'50), 10 Kamalabai St., Madras
 17, India.

 PATENAUDE, NORMAN H. (A'59), Radio Technician, Fall
 River Electric Light Co., 82 Hartwell, Fall River, Mass.

 PATER, OSCAR C. (A'43), Supvr., Electronics & Elec. Sect.,
 Naval Aircraft Factory, Philadelphia, Naval Base, Philadelphia,
 PATENAUDI ANTHONY P. (A'55), Servomechanisms Engr.
- Pa.

 PATERNITI, ANTHONY R. (A'55), Servomechanisms Engr.,
 Bell Aircraft Corp., 8ox 1, Buffalo 5, N.Y.

 PATERNO, PHILIP M. (A'51-M'56), Research Asst., Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y.
 PATERSON, DONALD J. (S'56-M'57), Elec. Engr., 904
 Goulding St., Winnipeg 10, Man., Canada.
 PATERSON, HUGH R. M. (A'55), Lt., Telecommunications
 Officer, RCAF, Dept., National Defense, Canada.
 PATERSON, JOHN M. (S'35-A'38-M'45), Electronics Engr.,
 Asst., industrial Mgr., USN, 2400 11 Ave., S.W., Seattle,
 Wash.
 PATERSON ROBERT C. (A'55), Field Engr., Philos Corp.

- Wash,
 PATERSON, ROBERT C. (A'55), Field Engr., Philoc Corp.,
 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 PATERSON, S. G. (M'46), Pres. & Genl. Mgr., Rogers Malestic Electronics, Ltd., 11-19 Brentcliffe Rd., Leaside,
 Toronto, Ont., Canada.
- Toronto, Ont., Canada.

 PATERSON, WILLIAM L. (S'56-A'57-M'58), Engr., Inland Testing Labs. Div., Cook Electric Co., 6401 Oakton St., Morton Grove, Ill.

 PATERSON-JONES, EDWARD A. (A'46-SM'48), Chief Telecommunications Officer, Federal Dept. of Civil Aviation, Box 8013, Causeway, Salisbury, South Rhodesia.

 PATEUK, CONSTANTINE J. (S'57-M'58), Engr., Design & Research, Hughes Aircraft Co., Culver City, Calif.

- PATHE, JULIAN F. (SM'55), V.P., Dev. Engr., Microwave Associates, Inc., Burlington, Mass.
 PATIENCE, DONALD L. (SM'56), Research & Dev. Engr., Boeing Aircraft Co., Seattle, Wash.
 PATIN, O. EUCLID (SM'55), Sr. Electronic Systems Engr., System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.

- System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.

 PATMORE, RICHARD A. (S'57-M'59), 426 Rosedale, Modesto, Calif.

 PATON, CHARLES D. (S'54-M'56), Mem. Tech. Staff, RCA, Box 588, Burlington, Mass.

 PATON, IAN W. (A'50), Telecommunications Operator, Dect. of Transport, 931 Covernment St., Penticton, B.C., Canada. PATRAIKO, JOHN (S'51-A-153), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 PATRICK, DONALD J. (A'53), Supvy. Electronics Maint. Techniclan, FAA, Box 561, Chanute, Kan.

 PATRICK, JOHN L. (S'57-M'59), Design Engr., Cirysler. Corp., Missile Div., 38111 Van Dyke Rd., Warren, Mich. PATRICK, L. BENLAMIN (S'56-M'58), Systems Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 PATRICK, ROBERT M. (S'55-M'58), Assoc. Engr., 1BM, Poughkeepsie, N.Y.

- PATRICK, ROBERT M. (S'55-M'58), Assoc. Engr., IBM, Poughkeepsie, N.Y.
 PATRICK, WILLIAM S., (S'49-A'54-SM'57), Group Engr.
 "I," Martin Co., Orlando, Fla.
 PATRUSKY, NATHAN (SM'55), Sect. Head, Inertial Guidance, Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 PATTABIRAMAN, LAYARAMA (A'45-SM'58), Sr. Tech. Officer, Office of Dir. Genl. of Civil Aviation, Govt. of India, Talkatora Rd., New Delhi, India.
 PATTAN, BRUND A. (S'51-A'53-M'58), Sr. Engr., Sylvania Applied Research Lab., Waltham, Mass.
 PATTEL, HARRY E. (S'47-A'49), Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.

- PATTEN, ROBERT B. (S'48-A'50), Sclentific Exec., Edgerton, Germeshausen & Grier, Inc., 1622 S. 'A' St., Las Vegas, Nev.

- ton, Germeshausen & Grier, Inc., 1622 S. 'A' St., Las Vegas Nev.

 PATTEN, RODERICK B. (A'59), Weight Analyst, Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind.

 PATTEN, STANLEY F. (M'50–SM'50), Rear Admiral, USN, Retired, 5850 Beaumont Ave., La Jolla, Calif.

 PATTENSON, CHARLES F. (A'51–M'53–SM'58), Head, Instrument Sect., Radio & Elec. Engro. Div., Natl. Research Council, Sussex St., Ottawa 2, Ork., Canada.

 PATTERSON, ADELBERT F. (S'55–M'59), Telemetry Engr., Lockheed Aircraft Corp., Missiles & Space Div., c/o Tracking Sta., Box 1506, Vandenberg, AFB, Calif.

 PATTERSON, ALLEN R. (A'58), Electronics Technician, Atchison, Topeka & Santa Fe Railway Co., 2140 E. Violet St., Los Angeles, Calif.

 PATTERSON, CAUDE L., III (S'56–M'58), Engr., Sperry Utah Engra. Lab., Salt Lake City, Utah.

 PATTERSON, DELTON L. (S'49–A'50–M'56), Design Engr., Boeing Airplane Co., 3801 S. Oliver, Wichita 1, Kan.

 PATTERSON, EDWARD B. (A'24–M'30–SM'43), Pres.,
- Kingston, N.Y.
 PATTERSON, EDWARD B. (A'24-M'30-SM'43), Pres.,
 Arthur H. Thomas Co., Box 779, Philadelphia 5, Pa.
 PATTERSON, FRANKLIN G. (A'27-VA'39), Genl. Engrg.
 Lab., GE Co., Schenectady, N.Y.
 PATTERSON, GEORGE W. (J'31-A'49-SM'54-F'59), Assoc.
 Prof., Elec. Engrg., Moore School, Univ. of Pennsylvania,
 200 S. 33, Philadelphia 4, Pa.
- 200 S. 33, Philadelphia 4, Pa.
 PATTERSON, GERALD D. (A'57), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 PATTERSON, GUY K. (S'41-A'42-SM'48), Tech. Dir.,
 Sierra Electronic Corp., 3885 Bohannon Dr., Menlo Park,
 Calif.

- Calif.

 PATTERSON, HENRY B., JR. (M'58), Sr. Elec. Engr.,
 Southwestern Industrial Electronics, 10201 Westhelmer,
 Houston 19, Tex.

 PATTERSON, HOWARD R. (SM'54), V.P., Tube Div., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
 PATTERSON, HUBERT H., JR. (A'48-SM'55), Dept. Mgr.,
 Sandia Corp., Sandia Base, Albuquerque, N.M.

 PATTERSON, JAMES M. (S'55-A'56), Field Project Engr.,
 Motorola Communications & Electronics, Inc., 1400 N. Cicero,
 Chicago, III.
 PATTERSON, JOHN M. (S'49-A'51-M'56), Partner, Harris,

- Chicago, III.

 PATTERSON, JOHN M. (S'49-A'51-M'56), Partner, Harris, Williams & Patterson, 711 Kentucky, Amarillo, Tex.

 PATTERSON, JOHN W. (A'52-M'56), Office Engr., Socony Mobil Oil Co., Inc., Wichita, Kan.

 PATTERSON, KENNETH P. (A'49-SM'55), Sr. Dev. Engr., Sperry Gyroscope Co., 294 Commercial, Sunnyvale, Calif.

 PATTERSON, MELVIN A. (M'55-SM'57), Sr. Reliability Engr., Bendix Pacific Div., 11600 Sherman Way, North Hollywood, Calif.

 PATTERSON, MORIFY C. (A'38-M'46), Cept. Mor.
- PATTERSON, ROBERT L. (M'55-M'58), F. Project Mem., Tech Staff, Surface On Anguer Land, Roser Land, Roser Electronic Tube & Component Div., Philips Electronic Industries, Ltd., 117 Vander-Hoof, Toronto, Ont., Canada.

 PATTERSON, ROBERT F. (M'58), Asst. Quality Control Mgr., Stavid Engrg., Inc., Plainfield, N.J.

 PATTERSON, ROBERT I. (M'55-M'58), Sr. Project Mem., Tech. Staff, Surface Communications Systems Lab., RCA, 2720 E. Broadway, Tucson, Arlz.

 PATTERSON, ROBERT McM. (S'57-M'58), Engr., 8ell Tel. of Canada. 1050 Beaver Hall Hill, Montreal, P.Q., Canada.

 PATTERSON, SAMUEL J. (A'54), Electropice Technical.

- Canada.

 PATTERSON, SAMUEL J. (A'54), Electronics Technician, Eldorado Electronics, 2821 10 St., Berkeley 2, Calif.

 PATTERSON, THEODORE T., JR. (S'48-A'49-M'55-SM'55), Leader, Engro, Publications, RCA, Camden, N.J.

 PATTERSON, THOMAS A., JR. (A'47), Advertising Mgr., Industrial Prods., Co., 2820 N. 4 St., Philadelphia 33, Pa.
- PATTERSON, THOMAS C. (SM'54), Sr. Electronics Engr., Convair, Box 1011, Pomona, Calif. PAIFERSON, WilLiAM S. (A'30-VA'39), V.P., The Grigsby Co., Inc., 407 N. Salem Avc., Arlington Higts., III.
- PATTI, MICHAEL J. (A'55-M'58), Engr., 18M, Poughkeepsie, N.Y.

 PATTI, VINCENT C. (A'54), Field Supvr., Nuclear Prods.,
 Erco Div., ACF Industries, Inc., Riverdale, Md.

- PATTISON, STANLEY B. (S'56-M'58), Sales Engr., Conway Electronic Enterprises, 1514 Eglinton Ave., W., Toronto, Ont., Canada.
- Toronto, Ont., Canada.

 PATTISON, WILLIAM L. (A'55), Model Maker & Technician, Insuline Corp. of America, Granite St., Manchester, N.H.

 PATTON, ARLIE D. (A'46-M'52), TV Engr., KSIX-TV, Show Room Bidg., Corpus Christi, Tex.

 PATTON, DAVID W. (A'57), Field Engr., J. D. Ryerson Associates, Inc., Dewitt, N.Y.

 PATTON, FRANK T. (M'58), Tech. Asst., Western Electric Oefense Projects, Syracuse, N.Y.

 PATTON, HENRY W. (A'52-SM'56), Pres & Chmn. of Board, Acromag, Inc., 22519 Telegraph Rd., Detroit 41, Metallors

- PATTON, JOHN E. (M'56), Engr., Raytheon Mfg. Co.,
- Maynard, Mass.
 PATTON, PETER C. (A'55-M'58), Engr., Midwest Research Institute, 425 Volker Blvd., Kansas City, Mo.
 PATTON, PHILIPS B. (S'46-SM'57), V.P., for Mktg., Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos,
- Calif.

 PATTON, RHEES C. (A'55), V.P., Valparaiso Tech.
 Institute, Valparaiso, Ind.

 PATTON, ROBERT E. (A'54-M'59), Field Sales Engr.,
 Horman Associates, Inc., 2017 S St., N.W., Washington
 9, D.C.

- 9, D.C.
 PATTON, ROBERT J. (S'54-M'56), Dev. Engr., Sperry
 Gyroscope Co. of Canada, Ltd., 6011 Cote de Liesse Rd.,
 Montreal, P.O., Canada.
 PATTON, RONALD, S. (S'58-M'59), Electronics Field
 Engr., Chance-Vought Aircraft, Dallas, Tex.
 PATTON, TIPTON N., JR. (S'53-M'57), Electronics Engr.,
 U.S. Army Security Agency, Arlington Hall Sta., Arlington
 12, Va.
- PATTON, WARREN L. (A'53-M'58), Patent Lawyer, Fulwilder, Mattingly & Huntley, 5225 Wilshire Blvd., Los Angeles 36, Calif. PATTON, WILLARD T. (S'57-M'59), Instr., Univ. of Illinois, Urbana, III.
- PATTON, WILLIAM R. (A'36-VA'39-M'52), Publication Mgr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Callf.
- PATZER, WILLIAM J. (S'56-M'58), 1805 E. Main St.,
- PATZER, WILLIAM J. (S'56-M'58), 1805 E. Main St., Endicott, N.Y.
 PAUCH, JOHN E. (M'45), Sr. Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal 30, P.Q. Canada.
 PAUKEN, DONALD J. (S'56-M'57), Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 PAUL, ALBERT D. (M'46), Chief of Administration, Santa Barbara Research Center, Santa Barbara Airport, Goleta, Calif.
- PAUL , ALVIN W. (S'47-A'52-M'53), Electronics Engr., Brimberg Associates , 312 Investment Bldg., Washington 5, D.C.
- PAUL, ARCHIE J. (A'54), Engr., IBM, Poughkeepsie,
- N.Y.
 PAUL, ARTHUR N. (M'58), Head, Mech. Engrg. Design
 Sect., Stromberg-Carlson Co., 1400 N. Goodman St.,
 Rochester, N.Y.
- Rochester, N. Y.
 PAUL, BRADLEY W. (M'56), Electronics Engr., Naval
 Communication Facility, FPO 535, San Francisco, Calif.
 PAUL, BYRON R. (J'28-A'30-VA'39), Transmitter Supvr.,
 KOIN-AM-FM-TV, Mount Hood Radio & Television Broadcasting Co., 5516 S.W. Barnes Rd., Portland, Ore.
- PAUL, CHARLES A. (A'55), TV Engr., KCBD-TV, Lubbock,

- Tex.

 PAUL, CHARLES E. (S'51-A'52-M'56), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N.J.

 PAUL, CLIFFORD H. (A'54), Supvr., Teleprompter Corp.,
 311 W.45 St., New York 36, N.Y.

 PAUL, DAVID I. (M'57), Prof., Univ. of California, 405
 Hilpard Ave., Los Angeles, Calif.

 PAUL, DONALD R. (S'49-A'50-M'55), Mgr., Commercial
 Office, Bell Tel. Co. of Pennsylvania, 902 Penn. Ave.,
 Turtle Creek, Pa.

 PAIII. F. IDVD A. (S'46-A-150-M-152-SM-157), Suppr.
- PAUL, FLOYD A. (S'46-A'50-M'52-SM'57), Supvr., Reliability Control, Radioplane, 8000 Woodley Ave., Van Nuys, Calif.
- PAUL, G. STEWART (A'29-VA'39-M'55), V.P., Operations, The Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- AUL , HENRY C. (S'54-A'55), Project Officer, with Army Ballistic Missile Agency, Redstone Arsenal , Ala. at Patrick AFB, Fla.
- AFB, Fla.

 PAUL, ISRAEL (S'40-A'410M'53), Engrg. Sect. Head,
 Sharry Gyroscone Co., Great Neck, L.I., N.Y.
- FAUL, ISMAEL (C'40-A'410M'53), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PAUL, KENNETH R. (M'55), Engr., Addison industries, Ltd., Toronto, Ont., Canada.

 Ltd., Toronto, Ont., Canada.

 PAUL, LYNN E. (M'59), Research Assoc., Electron Physics Lab., 3506 E. Engineering Bivd., Ann Arbor, Mich. PAUL, PETER F. (S'50-A'53-M'55), Design & Dev. Engr., RCA, 11819 W. Olympic Bivd., Los Angeles 64, Calif.
- PAUL , RAYMOND A. (A'55), Transmitter Techniciar Television de Quebec , 200 St. Jean Bosco , St. Fo P.Q. , Canada.
- PAUL, ROBERT H. (A'54), Electronics Engr., Range Instrumentation Dev. Div., White Sands Proving Ground, N.M. PAUL, THURSTON T., JR. (S'46-A'50-M'52), Deputy Cmdr., Army Ballistic Missiles Agency, Redstone Arsenal, Ala.

- Ala.
 PAUL, VERNON L. (M'58), Publications Engr., Collins
 Radio Co., Cedar Rapids, Iowa.
 PAUL, WILLIAM (M'58), Assoc. Prof., Univ. of Toronto,
 100 College St., Toronto 5, Ont., Canada.
 PAULEY, THOMAS N. (A'57), Sr. Electronics Technician,
 Sylvania Electronic Defense Lab., Box 205, Mountain
 View, Calif.
- PAULIN, WILLIAM P. (A'49-M'51), Engr., Heating Devices, Canadian GE Co., 80 Bradford St., Barrie Ont., Canada.

- Ont., Cánada.

 PAULISEN, HENRY (M'48), Supvr., Electronics Engrs., FCC, 641 Washington St., New York 14, N.Y.

 PAULL, JACK O. (A'53), Electronics Technician, U.S. Army, Post Ordnance, San Francisco, Calif.

 PAULL, 'ARVIN (S'49-A'53), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 PAULOS, LOUIS B. (S'50-A'51-M'56), Staff Mem., Aeronutronic Systems, Inc., 1234 Air Way, Glendale, Calif.

- PAULOS, PETER J. (A'53-M'54), Sr. Engrg. Sunvr. Lockheed Missile & Space Div., Vandenberg AFB, Calif. PAULOSKI, STANLEY H. (M'56), Tech. Specialist, Allen B. DuMont Labs., Inc., 35 Market St., East Paterson, N. J. PAULSEN, ALAN J. (S'55-M'59), Electronics Scientist, U.S. Naval Ordnance Test Sta., China Lake, Calif. PAULSEN, JAMES F. (A'42-SM'58), Asst. Sunt., Engrg., Western Electric Co., 555 Union Bivd., Allentown, Pa. PAULSEN, WILLIAM, C. (A'57), Computer Maint. Engr., Argonaut Underwriters, Inc., 250 Middlefield Rd., Menio Park, Calif.

- PAULSON, C. ROBERT (S'48-A'50-M'52), Natl. Sales Mgr., Professional Prods. Div., Ampex Corp., 934 Charter St., Redwood City, Calif. PAULSON, EARL T. (A'56-SM'56), Asst. Chief Electronics Engr., Underwood Corp., Canoga Div., 15330 Oxnard, Van Nuys, Calif.
- Nuys, Calif.

 PAULISON, EDGAR E. (S'53-M'56), Engr., Bendix Prods. Div., Missiles, 400 S. Beiger St., Mishawaka, Ind.

 PAULISON, ERIC J. (A'34-VA'39), Owner, Paulson's Radio Service, 431 Gladstone Rd, Gisborne, New Zealand.

 PAULISON, GLENN A. (A'41), 120 Corte Anita, Greenbrae, San Rafael, Calif.

 PAULISON, JOHN N. (A'54), Test Operator Mgr., IBM, Box 411, San Jose 3, Calif.

 PAULISON, JOHN O. (S'56-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PAULISON, WILLIAM K. (S'56-M'59), System Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.

- COTP., Sandia Base, Albuquerque, N.M.
 PALP, ROBERT E. (A'55-M'56), Sr. Engr., Computer
 Lab., Philico, 4700 Wissahikon, Philadelphia 44, Pa.
 PAUPLLS, LEONARD M. (M'55), Group Head, Specifications, Raytheon Mrg. Co., Maynard, MassPAUWELS, KENNETH G. (S'58-A'59), 321 N. Johnson
 St., South Bend 28, Ind.

 PAWAL DW. MELLYM, CSLAALES, SALET, S. E. S.

- St., South Bend 28, Ind.

 PAVALOW, MELVIN (S'46-A'56-SM'57), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 PAVANE, MORTON M. (M'52), Electronics Engr., Air
 Research & Development Command Office, 346 Broadway,
 New York 13, N.Y.
- PAVELA, HILARY W. (A'50-M'51), Research Test Engr., Convair-Astronautics, San Diego 15, Calif.
- Convair-Associated, Sist Devision 15, Calli.

 PAVETTO, JOHN C. (\$'50-A'52-M'57), Dev. Engr., GE
 Co., Syracuse, N.Y.

 PAVLASEK, TOMAS J. F. (\$'43-A'44-M'51), Assoc.
 Prof., Dept. of Elec. Engrg., McGill Univ., Montreal,
 P.Q., Canada.
- P.Q., Canada.

 PAVLAT, JOHN R. (S'51-M'58), Instr., Elec. Engrg.
 Debt., Iowa State College, Ames, Iowa.

 PAVLIK, THOMAS J. (S'55-M'57), Asst. Engr., ITT Labs.,
 3700 E. Pontlac At., Ft. Wayne, Ind.

 PAWELKO, MICHAEL J. (S'51-A'54-M'59), Elec. Engr.,
 Amperex Electronic Corp., 230 Duffy Ave., Hicksville,
 I N.
- PAWKETT, LLOYD E. (A'51-M'56), Supvr., Electronics Engr., USA, SMSA Radar Div., White Sands Missile Range, N.M.
- PAWLETKO, JOSEPH P. (S'53-M'56), Assoc. Engr., IBM, Endicott, N.Y.
 PAWLEY, MYRON G. (SM'50), Head, Instrumentation Oiv., U.S., Naval Ordnance Lab., Corona, Calif.
- PAWLEY, MYRON G. (SM'50), Head, Instrumentation Oiv., U.S. Naval Ordance Lab., Corona, Calif.

 PAWLIKOWSKI, STANLEY L. (A'53-M'56), Design & Dev. Engr., Sylvania Elec. Prods., Inc., Emporium, Pa. PAWLOWSKI, EDWARD W. (S'56-M'58), Service Man, Wm. J. Quinn & Son, 340 Main St., Neenah, Wis.
- J. Quinn & Son, 340 Main St., Neenah, Wis.
 PAWLOWSKI, FRANK L., (A'53), Sr. Dev. Engr., Motorola, inc., 4501 W. Augusta Blvd., Chicago, III.
 PAWLOWSKI, ROBERT J. (S'56-A'57), Assoc. Engr., Electro Voice, Inc., Buchanan, Mich.
 PAWLOWSKI, ROMAN (S'58-M'59), Engr., Chrysler Corp., Detroit, Mich.
 Dawl III. GUOM (AMSES) C. Engr., Shaunet, Warner
- Detroit, Mich.

 PAWLUS, JOHN (M'55), Sr. Engr., Stewart-Warner
 Electronics, 1300 N. Kostner, Chicago 51, III.

 PAXSON, RICHARD F. (A'51-M'57), Staff Engr., Philoo
 Corp., C & Tioga Sts., Philadelphia 34, Pa.

 PAXTON, EARL B. (A'55), onsultant, Industry Standards,
 GE Co., Schenectady 5, N. Y.
- PAXTON, ROY K. (A'52-M'58), Group Engr., Martin Co.,
- PAYETTE, ROBERT (S'50-A'52-M'57), Engr., Southern Canada Power Co., Ltd., 1450 City Councillor, Montreal, P.Q., Canada.
- P.Q., Canada.

 PAYNE, CHARLES E. (A'38-VA'39-M'55), Dir. & Chlef Engr., Ferguson Radio Corp., Ltd., Great Cambridge Rd., Enfield, Middlesex, England.

 PAYNE, DELMAR V. (S'49-A'51-M'57), Sr. Engr., Bendix Aviation Corp., Research Labs. Div., Southfield Township, Mich
- PAYNE, DONALD W. (S'56-M'57), Electronics Engr., Interest Electronics Corp., 707 E. Vermont Ave., Anaheim,
- Calif.

 PAYNE, EDWARD B. (SM'57), Sr. Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 PAYNE, GEORGE H. (A'56), V.P. & Genl. Mgr., Electro-Winders Co., Inc., 854 W. Front St., Covina, Calif.

 PAYNE, GEORGE J. (A'57-M'57), Elec. Design Engr., Chrysler Missile Div., Box 2628, Detrolt 31, Mich.

 PAYNE, GEORGE W. (A'55), Electronics Engr., GE Co., Syracuse, N.Y.
- PAYNE, JACK V., JR. (S'55-M'58), Jr. Mem. Tech. Staff, ITT Labs., 1389 Peachtree St., N.E., Atlanta, Ga.
- PAYNE, JAMES N. (M¹53), Physicist, U.S. Naval Proving Ground, Dahlgren, Va. PAYNE, JEWEL E. (M¹56), Engrg. Labs. Head, Emerson Electric Mfg. Co., 8100 W. Florissant Ave., St. Louis, Mo.
- Mo.

 PAYNE, LEONARD S. (M'16-SM'43-F'49XL), Retired, 104 Marine Parade, Worthing, West Sussex, England, 104 Marine Parade, Worthing, West Sussex, England.

 PAYNE, MYNOR P. (SM'57), Chief Engr., K-V Transformer Corp., 20 E. Franklin St., Danbury, Conn.

 PAYNE, REUBEN C. (M'59), Tech. Writer, Western Electric Co., Winston-Salem, N.C.

 PAYNE, RICHARD S. (S'50-A'53-M'58), Engr., Missile Test Sect., Boeling Airplane Co., Seattle 14, Wash.

 PAYNE, ROBERT A. (S'53-A-54), Sr. Elec. Engr., Cook Electric Co., ESD, 8100 N. Monticello Ave., Skokie, III.

 PAYNE, ROBERT C. (M'57), Engr., Yard & Terminal Dev., Genl. Railway Signal Co., 801 West Ave., Rochester, N.Y.

- PAYNE, ROBERT E. (SM'55), Assoc. Head, Atlas Field Test Office, Space Technology, Lab., Inc., Arbor Vitae Ave., Inglewood, Calif.
- Ave., migrewood, Carr.

 PAYNE, RONALD C. (5'58-M'59), Dev. Engr., Dynatronics, Inc., 717 W. Amelia Ave., Orlando, Fla.

 PAYNE, TREVOR E. G. (A'54), Sr. Communications Technician, Westcoast Transmission Co., Ltd., Sayona, B.C.,

- Canada.

 PAYNE, VIRON E. (M'56), Sr. Project Engr., Naval Ordnance Unit, Key West, Fla.

 PAYNE, WESLEY J. (S'49-A'51-M'57), Supvr., Dev. Engrg., Westinghouse Elec. Corp., Bath, N.Y.

 PAYNE, WILLIAM T., JR. (A'56), Tech. Writer, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 PANTER, ALBERT E. (M'47), Governing & Managing Dir., B. Paynter Radio & Electric Ltd., 754 & 1103 Finchley Rd., London, N.W., 11, England.

 PAY; ITER, ENOS J. (SM'58), Sr. Project Engr., Hoffman Labs., 3717 S. Grand Ave., Los Angeles, Calif.

 PAZ, HAROLD J. (S'52-A'55), Circuit Design Engr., Transistors, RCA, Camden, N.J.
- sistors, RCA, Camden, N.J.
 PAZ, ISRAEL M. (M'56), Instr., Technion, Israel Institute
 of Technology, Haifa, Israel
 PAZER, JEROME (M'59), Design Engr., Hazeltine Electronics
 Div., Little Neck 62, L.I., N.Y.
- Div., Little Neck 62, L.I., N.Y. PEA, RICHARD 0. (S'53-A'55), 1862 Market St., Santa

- PEA, RICHARD O. (S¹53-A¹55), 1862 Market St., Santa Clara. Calif.

 PEABODY, STANLEY J. (A¹52-M¹57), Asst. Prof., Elec. Engrg., Arizona State Univ., Tempe, Ariz.,

 PEACEMAN, HOWARD T. (M¹56), Applications Engr., Genl. Transistor Corp., 91-27, 138 Pl., Jamaica 35, L.I., N.Y. PEACH, LESTER C. (A¹54), Research Engr., Electronics Peace arach Lab., Illinois Institute of Technology, 3300 S. Federal, Chicago 16, III.

 PEACH, SAMUEL E. (S¹42-A¹44-M¹48), Specialist-Field Engrg., GE Co., Syracuse, N.Y.

 PEACOCK, JACK T. (A¹54), Sales Engr., Bogue Electric Mfg. Co., 52 lowa Ave., Paterson, N.J.

 PEACOCK, WILLIAM M., JR. (S¹55-M¹56), Capt., USAF, Electronics Officer, 53rd Weather Recon. Sqdn., Box 144, APO 124, New York, N.Y.

 PEACOCK, WILLIAM T., JR. (A¹56), Owner, Peacock Radio Service, 1660 Central Ave., St. Petersburn, Fla.

 PEAKE, FRANK E., JR. (S¹52-A¹53-M¹57), Project Engr., Melbar, Inc., 3000 Arlington Elvd., Falls Church. Va. PEAKE, FRANK E., JR. (S¹52-A¹53-M¹57), Project Engr., Melbar, Inc., 3000 Arlington Elvd., Falls Church. Va. PEAKE, St. AROLD J. (S¹41-A¹42-M¹45-SM¹49), Head, Data Recovery Systems Sect., Code 4172, Natl., Aeronautics & Space Administration, 4555 Overlook Ave., S.W., Washington 25, D.C.
- Space Administration, 4555 Overlook Ave., S.W., Washinoton 25, D.C.

 PEAKE, MURRAY, W. (S'56-M'58), Engr., Western Electric Co., 204 N. Graham-Hopedale Rd., Burlington, N.C.

 PEAKE, WILLIAM H. (M'57), Research Assoc., Antenna Lab., The Ohio State Univ., Colombus 10, Ohio.

 PEAKE, WILLIAM T. (M'59), Instr., Elec. Engrg. Dept., MIT, Cambridge 39, Mass.

 PEAR, CHARLES B., JR. (A'36-M'55), Consultant, Minneapolis Honeywell Regulator Co., 10241 Hanna St., Belts-ville, Md.

- neapoils Honeywell Regulator Co., 10241 Hanna St., Belts-ville, Md.

 PEARCE, ALBERT F. (SM'58), Physicist, Electric & Musical Industries, Ltd., Hayes, Middlesex, England.

 PEARCE, CHARLES R. (A'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 PEARCE, CULLEN T. (SM'56), Atlantic Region Enorg. & Service Mgr., Westinghouse Elec. Coro., 3001 Walnut St., Philadelphia 4, Pa.

 PEARCE, GODFREY R. (M'59), Sr. Components Engr., Illinois Condenser Co., 1616 N. Throon St., Chicago 22, Ill.

 PEARCE, GORDON E. (A'55), Engr., Canadian Aviation Electronics, Ltd., 6214 Cote De Liesse, Montreal, P. Q., Canada.

 PEARCE, HORACE U. (A'57), Elec. Engr., Vitro Corp. of America, 14000 Georgia Ave., Sliver Springs, Md.

 PEARCE, JOHN M. (SM'49), Mgr., Electronic Requirements, Martin Co., Baltimore 3, Md.
- PEARCE, PAUL F. (S'49-A'52-M'57), Head, Strategic Systems Sect., Hughes Aircraft Co., Box 90902, Airport Sta., Los Angeles 45, Calif.
- PEARCE, RONALD G. (A'54), 589 Rhodes Ave., Toronto 6, Ont., Canada.
- Ont., Canada.

 PEARDON, ARTHUR P. (M'57), Geni, Mgr., Nelson Tech.
 Enterprises, Inc., Boston Branch, 763 Washington St.,
 Newtonville, Mass.

 PEARL, BERT (M'59), Project Engr., Hallicrafters, 4401
 W. 5 Ave., Chicago, III.

 PEARL, STANLEY L. (M'56), Project Engr., E.S.C. Corp.,
 534 Bergen Blvd., Palisades Park, N.J.,
 DEARDI MAN. JEROME (M'56), Engrg. Resources Planner,
- PEARLMAN, JEROME (M'56), Engrg. Resources Planner, GE Co., Utica, N.Y.
- PEARLMAN, JULES, JR. (S'56-M'58), Flec. Engr., Collins Radio Co., 5118 Bakman Ave., North Hollywood, Calif. PEARLMAN, LESTER S. (M'46), Design Engr., Sperry Prods., Danbury, Conn.
- Danbury, Conn.

 PEARLMAN, LOUIS (A'48-M'55), Mgr., Government Prods., Polarad Electronics Corp., 43-20 34 St., Long Island City, N.Y.
- PEARLSTON, CARL B., JR. (M'57), Interference Consultant Engr., GE Co., Utica, N.Y.. PEARRE, SIFFORD, JR. (S'55-M'58), 6 Blythewood Rd., Baltimore 10, Md.
- PEARSALL, CHARLES H., JR. (S'55-M'57), Research Engr., Fairchild Astrionics Div., Straight Path, Wyndanch, L.I., N.Y.
- N.Y.
 PEARSALL, PHILLIP J. (S'56-M'58), Component Engr., Reminston Rand Univac, St. Paul 16, Minn.
 PEARSALL, SAMUEL H. (S'46-A'48-M'53), Asst. Prof., Elec. Engrg., Vanderbilt Univ., Box 1665, Sta. B, Nashville, Tenn.
- PEARSON, ARiOLD W. (S'57-M'59), Advanced Dev. Engr., RCA, Camden, N.J.
- RCA, Camden, N.J.
 PEARSON, ARTHUR L. (S'51-A'53-M'58), Design Engr.,
 American Dynamics Corp., 146 Main St., Maynard, Mass.
 PEARSON, CLAIR C. (A'58), Engr., Collins Radio Co.,
 Cedar Rapids, Jowa.
 PEARSON, DAVID B. (M'54), Mech. Engr., RCA, Somerville,
 N.J.
- PEARSON, DONALD D. (S'55-A'56), Commercial Sales Mgr., Nuclear Electronics Corp., 2925 N. Broad St., Philadelphia,
- PEARSON, DONALD M. (S'55-M'56), 14812 Braemar Dr., Cleveland 11, Ohio.

- 327 -PEA-PEN

- PEARSON, DDNALD R. (S'45-A'51-M'55), Communications Technician, U.S. Forest Service, North Fork, Calif. PEARSON, EDWIN A. (S'55-A'56), 756 E. Virginia, Beaumont, Tex.
- mont, Tex.
 PEARSDN, EUGENE E. (M'57), Chief, Engrg. Test Group, Leeds & Northrup Co., 49D1 Stenton Ave., Philadelphia 44, Pa.

- Pa.

 PEARSDN, HARRYA. (A'37-VA'39-M'55), Dir., Research, Sonotone Corp.. Elmsford, N.Y.

 PEARSDN, HOWARD (A'52-M'57), Project Engr., A.D.T. Co., Inc., 155 6 Ave., New York 13, N.Y.

 PEARSDN, JAMES A. (M'59), Supvr., J.M. McDonald Planetarium, Hastings Museum, McDonald Planetarium, 1330 Burlington, Hastings, Neb.

 PEARSDN, JAMES R., JR. (S'56-M'59), Staff Mem., Research Div., Radiation, Inc., Drlando, Fla.

 PEARSDN, JDHN B. (M'48), Asst. Research Geophysicist, Humble Dil & Refining Co., 1200 Main St., Houston 1, Tex.
- PEARSON, JDHNNIE L. (S'53-A'55), Dev. Engr., West-Inghouse Elec. Corp., Box 746, Baltimore 3, Md. PEARSON, KENNETH A. (S'53-A'55), Assoc. Engr., IBM, Kingston, N.Y.

- Kingston, N.Y.

 PEARSDN, MARVIN R. (S'57-M'5B), Engr., Research & Design, Minneapolis-Honeywell Regulator Co., 260D Ridgway Rd., Minneapolis, Minn.

 PEARSON, OSCAR A. (M'59), V.P., Research, Webcor, Inc., 561D Bloomingdale, Chicago 39, III.

 PEARSON, PAUL A. (M'45-S'49-M'52), Pres., Pearson Electronics, Inc., 707 Urban Lane, Pato Alto, Calif.

 PEARSON, RDBERT E. (M'53), Engr., Specialist, Norair Div., Northrop Corp., Hawthome, Calif.

 PEARSON, ROBERT P. (S'51-A'52), Dev. Engr., Minneapolis, Honeywell Regulator Co., 260D Ridgway Rd., Minneapolis, Minn.
- Minneapolis, Minn.
 PEARSDN, ROBERT W. (M'5D), Dir., Mfg., Govt.
 Div., American Machine & Foundry Co., 261 Madison
 Ave., New York 16, N.Y.
- PEARSON, ROY E. (S'53-A'54), Project Engr., Min-neapolls-Hone, nell Regulator Co., 433 N. 34, Seattle
- PEASE, CHARLES H. (A'49), Chief Radio Engrg. Branch, U.S. Information Agency, 330 Independence, Washington, D.C.

- D.C.

 PEASE, LAWRENCE A. (A'55-M'5B), Div. Transmission Supvr., Southwestem Bell Tel. Co., 13D4 Great Plains Life Bldg., Lubbock, Tex.

 PEASE, MARSHALL C., III (M'47-SM'51), Engrg. Specialist in Chg., Advanced Tube Dev., Sylvania Elec. Prods., Inc., Woburn, Mass.

 PEASE, NAT H. (SM'5B), Head, Tech. Services Dept., Ramo-Wooldridge, Box 45215, Los Angeles, Calif.

 PEASE, ROBERT L., (SM'56), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 PEASE, WILLIAM M. (A'51-M'56-SM'57), Mgr., Systems Engrg., Missiles Electronics & Controls Dept., RCA, Burlington, Mass.

 PEASLE, JOHN R. (S'55-M'57), Electronic Scientis*

- Burlington , Mass .

 PEASLEE , JOHN R. (S'55-M'57), Electronic Scientist .

 Natl . Security Agency , Washington 25 , D.C.

 PEASLEE , W. DHU AINE (SM'5B), Valparaiso Tech .

 Institute , Valparaiso , Ind .

 PEAVEY , BERNARD (S'53-M'57), Electronics Engr ,

 Melpar , Inc . , 30DD Arlington Blvd . , Falls Church , Va .

 PEAVEY , WILLIAM W. (S'58-M'59), Electronics Engr ,

 Philco Corp . , 3875 Fabian Way , Palo Alto , Calif .

 PEAVY , WESLEY R. (M'57) , System Engr . , IBM , Kingston ,

 N.Y.

- N.Y.
 PEBORDE, ROGER J. (A'52), Sales Engr., Nevis Industrial Specialities Co., 505 5 Ave., New York 17, N.Y.
 PECAR, ALLEN J. (A'46), Owner, Pecar Electronics, 11201 Morang, Detroit 24, Mich.
 PECCI, ANGELD C. (M'59), Electronics Engr. & Consultant Electronic Equipment, U.S., Govt., Washington, D.C.
 PECHACEK, ROBERT E. (M'58), Jr. Engr., Raytheon
 Mfg. Co., Bedford, Mass.
 PECMMER BARDY I. (S'S2A'55), Owner, Barber Radio.
- PECHNER, 8ARRY J. (S'52-A'55), Owner, Barber Radio & Television Service Co., 1045 Stratford Ave., 8ronx, N.Y.
- N.Y.
 PECHON, ARTHUR J. (A'53), Audio Engr., WDSU Broad-casting Corp., 520 Royal St., New Orleans. La.
 PECHOUSEK, THOMAS W. (A'47), Engr., Johns Hopkins Univ., Silver Spring, Md.
 PECINA, ROBERT G. (S'51-A'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 PECINA, RONALD J. (S'56-M'57), Electronics Dev. Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51.111.

- PECK, CHARLES 8., III (S'53-M'56), Elec. Engr., Hughes Aircraft Co., Lexington, Mass. PECK, CURTIS D. (SM'51), 19 Crystal Springs Rd., San Mateo, Calif.
- San Mateo, Calit.
 PECK, DAVID B. (A'53-M'58), Div. Mgr., Sprague
 Electric Co., North Adams, Mass.
 PECK, DAVID G. (M'5D), Chief Engr., Posts & Telegraphs
 Dept., Suva, Fiji.
- Dept., Suva, Fiji.

 PECK, HDWARD D. (A'52-M'57), Sr. Engr., Sylvania Elec. Prods., Inc., Johnson St., Seneca Falls, N.Y.

 PECK, HOWARD E. (S'55-M'57), Elec. Engr., Grumman Aircraft Engrq., Corp., Bethpage, L.I., N.Y.

 PECK, JOHN L. (S'50-A'52-M'56), Dev. Engr., 1TT Labs., Nutley 1D, N.J.

 PECK, JOSEPH W. (A'59), Design Engr., Lockheed Aircraft Service, Ontario Internati. Airport, Ontario, Calif. PECK, NORMAN D. (A'53-M'59), Project Engr., Daystrom Electric Corp., Poughkeepsie, N.Y.

 PECK, RALPH D. (S'57-M'58), 5504 Fursman, Ft.

- PECK, RALPH D. (S'57-M'58), 5504 Fursman, Ft.
- PELK, RALPH U. G'57-M'597, 3504 Fursinair, Ft.
 Worth 14, Tex.
 PECK, RICHARD E. (A'50-M'55), Chief Engr., WREX-TV,
 Aubum & Winnebago Rds., Rockford, III.
 PECK, ROBERT C. (S'47-A'50-M'56), Staff Mem., Los
 Alamas Scientific Lab., Univ. of California, Por 1663,
 Los Alamos, N.M. ALED. Bood. Mar. Electrochlochanical
- Los Alamos, N.M.
 PECK, WESLEY D. (A'5D), Prod. Mgr., Electro-Mechanical Research, Inc., Sarasota, Fla.
 PECK, WILLIAM E. (S'57-M'58), Military Leave of Absence from IBM, Kingston, N.Y.
 PECKENS, DAVID F. (S'56-M'58), 31 Frost Lane, Amityville, L.I., N.Y.
 PECKHAM, DONALD D. (S'55-M'59), Mem. Tech. Staff, Wingher Aircraft Co., Culver City, Calif.

- PECKHAM, VERNDN D. (S'53-A'53), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M. PECKHART, MAX A. (S'49-A'49-M'55), Asst. Chief Engr., Motorola, Inc., 45D1 W. Augusta Blvd., Chicago Engr., 51, 111.
- PECDRARD, CHARLES J. (S'56-M'57), Engr., The W.L. Maxson Corp., 46D W. 34 St., New York 1, N.Y. PEDEN, JAMES E. (A'55), Electronic Scientist Naval Avionics Facility, 21 at Arlington, Indianapolis, Ind.
- Avionics Facility, 21 at Arlington, Indianapolls, Ind.
 PEDERSEN, BJORN D. (S'55-M'56), Asst. Dfflcer, Natl.
 Research Council, Bldg, M-50, Montreal Rd., Dttawa, Dnt., Canada.
 PEDERSEN, CHARLES R. (S'54-M'56), Mem, Tech.,
 Staff, Ramo-Wooldridge corp., 573D Arbor Vitae St.,
 Los Angeles 45, Calif.
 PEDERSEN, FLDYO C. (S'51-A'52-M'57), Engr., Bendix
 Aviation Corp., 1160D Sherman Way, North Hollywood,
 Calif.

- Aviation Corp., 1160D Sherman Way, North Hollywood, Callf.

 PEDERSON, GUNNAR (A'30-VA'39-SM'54), Chief of Tech. Div., Danish Post & Telegraph Administration, Copenhagen, V., Denmark.

 PEDERSON, IVAN C. (M'45-SM'51), Supvr., Electronics Prod. Design, Engro. Dept., Genl. Mills, Inc., 1620 Central Ave., N.E., Minneapolis, Minn.

 PEDERSEN, IVAN C. (M'45-SM'51), Supvr., Electronics Prod. Design, Engro. Dept., Genl. Mills, Inc., 1620 Central Ave., N.E., Minneapolis, Minn.

 PEDERSEN, JOHN H. (S'54-A'55), Asst. Dev. Engr., Burroughs Research Center, Paoli, Pa.

 PEDERSEN, N. TONNES (A'46), Consulting Engr., 12

 B Vestergade, Copenhagen K, Denmark.

 PEDERSEN, RAYMDND E. (S'43-A'45-M'51), Sr. Group Engr., Boeing Airplane Co., Seattle 14, Wash.

 PEDERSEN, ROBERT J. (M'57), Mein. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 PEDERSEN, SVEND A. CHR. (SM'55), Dir., Phillips A/S, 801 W. Augusta Blvd., Chicago 40, Ill.

 PEDERSEN, SVEND A. CHR. (SM'55), Dir., Phillips A/S, 80, Prags Blvd., Copenhagen S., Denmark.

 PEDERSON, UNLLIAM O. (S'55-M'56), Assoc. Prof., Elec. Engrg. Dept., Univ. of California, Berkeley, Calif.

 PEDERSON, WILLIAM R. (N'58), Project Engr., Litton Industries 336 N Fronthill Rd., Beverly Hills, Calif.

 PEDIGO, JACK Y. (M'58), Sr. Tech. Writer, Caltech Jet Provulsion Lab., 480D Oak Grove Dr., Pasadena, Calif. PEDIGW, LEON (S'55-M'56), Engr., Programmer, 18M, Owego, N. Y.

 PEDOWICZ, JACK M. (S'49-A'52-M'56), Engr., Sperry Grossoco Co., Creat Neck, L. I., N.Y.

- Uwego, N.Y.
 PEDOWICZ, JACK M. (S'49-A'52-M'56), Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 PEDROSA, JOSE 8. (M'58), Engr., RCA Victor Co., Ltd.,
 10D1 Lenoir St., Montreal, P.Q., Canada.
 PEDUTD, RALPH J. (S'58-M'58), 35-27 61 St., Woodside
 77, L.I., N.Y.
- PEEBLES, NDRCUM A. (A'36-M'55), Electronics Engr., Atlantic Coast Line Railroad, Wilmington, N.C. PEEBLES, PEYTON Z. (S'56-M'58), Engr., RCA, Moores-
- PEEDO, ENDEL (M*56), Research Engr., Boeing Airplane Co., Renton, Wash.
- Renton, Wash.

 PEEK, GEORGE E. (S'5D-A'53), Master Planning, Cubic Corp., 5575 Keamy Villa Rd., San Diego 11, Calif.

 PEEK, SANDFORD C. (SM'52), Mgr., Applications, Sylvania Elec. Prods., Inc., 6D Boston St., Salem, Mass.

 PEELER, DARREL D. (M'57), Publications Engr., Westem Elec. Corp., Old Lexington Rd., Winston-Salem, N.C.

 PELLER, GEDRGE D. M. (M'52), Mgr., Microwave Dev. Dept., Missile Systems Div., Raytheon Mfg. Co., Bedford, Mass.
- PEEPLES, JAMES W., JR. (S'53-A'55), Sr. Field Service Rep., GE Co., Box 4247, Patrick AFB, Fla. Pers, GEORGE C. (A'53), Tech Aide, Bell Tel. Labs., Murray Hill, N.J.

- Murray Hill, N. J.
 PEERCY, ROBERT L., JR. (M'59), Jr. Physicist, I8M,
 Endicott, N. Y.
 PEERY, WALTER E. (S'33-A'36-VA'39-M'55), Consulting
 Endr., Far Hills, N. J.
 PEET, ANDREW R. (S'57-A'58), Electronics Technician,
 Sanborn Co., 175 Wyman St., Waltham, Mass.
 PEET, EUGENE C. (S'36-M'45-SM'57), Commercial Engr.,
 Tung-Sol Electric Co., Inc., 200 Bloomfield Ave., Bloomfield, N. J.

- Tung-Sol Electric Co., Inc., 200 8loomfield Ave., Bloomfield, N.J.

 PETTZ, GEORGE E., JR. (M'56), Field Service Engr., Chevron Oil Co., 3919 Essex Lane, Houston 6, Tex.

 PEFFER, JOHN C. (A'47-SM'52), V.P. WTAR Radio Corp., 720 8oush St., Norfolk 10, Va.

 PEFFER, R. M. (A'46-M'59), Pres. & Treas., Resistance Prods. Co., 914 S. 13 St., Harrisburg, Pa.

 PEFFERLE, DANA L. (S'55-M'59), 222 Foster Rd., Santa Maria, Calif.

 PEFHANY, JERRY (A'56), Instrumentation Dev. Supvr., Orenda Engines, Ltd., 80x 4015, Terminal A, Toronto, Drt., Canada.

 PEGG, BERNARD B. (A'57), Electronics Engr., ITT Labs., 3702 E. Pontiac St., Ft. Wayne, Ind.

 PEGG, BRIAN A. (M'57), Sr. Engr., Westinghouse Elec. Corp., Baltimore 3, Md.

 PEGLER, HARDLD M. (S'46-A'53-M'58), Sr. Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

 PEGLER, JACK A. (A'51), Pres., Television Zoomar Corp., 500 5 Ave., New York 36, N.Y.

 PEGRUME, SYDNEY A. (A'37-M'47), Chmn. & Managing Dir., S.A. Pegrume & Co., Ltd., Box 1093, Nairobi, Kenya Colony, British East Africa.

 PEHRSDN, CLIFFORD R. (A'55), Electronics Technician, ILSAE Marcialian ARE Serzmento. Calif

- Colony, British East Africa.

 PEHRSDN, CLIFFORD R. (4'55), Electronics Technician, USAF, McClellan AFB, Sacramento, Calif.

 PEIFER, ALBERT H. (M'52), Staff Engr., Bendix Aviation Corp., Box 5115, Detroit 35, Mich.

 PEIFER, WILBUR A. (A'52), Project Leader, Communications Engr., GE Co., Syracuse, N.Y.

 PEIGLER, FRANK K. (A'57), Electronics Inspector, U.S. Army Ballistic Missile Agency, Huntsville, Ala.

 PEIL, EUNARD F. (5'55-M'57), Final Test Engr., IBM, Poughkeepsie, N.Y.

 PEIL, WILLIAM (5'54-M'56), Engr., GE Co., Syracuse, N.Y.

 PEIRCE, GEDRGE H. (A'23-VA'39), Dunner, G. H. Doing.
- N.Y.
 PEIRCE, GEDRGE H. (A'23-VA'39), Owner, G.H. Peirce
 Radio Engrs. Co., 715 Camp St., New Orleans 12, La.
 PEIRCE, JDHN A. (S'5D-A 51-M'56), Project Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.
 PEIRCE, THOMAS F. (A'52-M'57), Field Modification Engr.,
 Hughes Aircraft Co., Culver City, Calif.

- PEITZER, HERBERT E. (SM'58), Mgr., Arde Engrg. Div., Arde Associates, 75 Austin St., Newark 2, N.J. PEIXDTTD, ERNI S. (SM'48), Dir., Telecommunications, Varig Airlines, Box 243, Porto Alegre, Brazil. PEKAREK, KENNETH L. (S'54-A'55-M'59), Sr. Electronics Engr., Dalmo Victor Co., 1515 Industrial Way, Belmont, Calif.

- Calif.

 PEKAROWITZ, RDSALINE (M'58), Microwave Tube Design, RCA, Harrison, N.J.

 PEKIN, HARRY T. (S'35-A'37-SM'44), Chief Design Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 PEKRIL, PAUL J. (M'57), Engr., Lockheed Alroraft Corp., 7701 Woodley Ave., Van Nuys, Calif.

 PELAVIN, MILTON H. (A'47-M'55), Chief Elec. Engr., The Technicon Co., Saw Mill River Rd., Chauncey, N.Y.

 PELC, JDSEPH I. (S'57-M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 PELC, TAD (A'44-SM'55), Chief Engr., Peerless Electrical Prods. Div., Altec Lansing, 692D McKinley Ave., Los Angeles 1, Calif.

 PELCHAT, GUY M. (S'55-M'55), Intermediate Engr.. Cana-
- PELCHAT, GUY M. (S'55-M'55), Intermediate Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q., Canada.
- PELDUNAS, ANTHONY P. (S'53-A'54-M'57), Project Engr., Stavid Engrg., Inc., Rt. 22, Plainfield, N.J. PELROSSI, ANTHONY FRANCIS (M'57), Engr., GE Co., Utica, N.Y.
- PELHAM, KENNETH F. (SM¹55), Sr. Professional Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester
- PELICK, JOHN JR. (A'54), Instr., Temple Univ., Technical Institute, 322 N. Washington Ave., Scranton, Pa. PELICK, THDMAS J. (A'59), Engrg., Asst., Ordnance Re-search Lab., Pennsylvania State Univ., University Park, Pa.
- search Lab., Pennsylvania State Univ., University Park, Pa. PELINO, WILLIAM M. (M. 156), Staff Engr., Servo Corp. of America, 2D-2D Jericho Take, New Hyde Park, L.I., N.Y. PELITSCH, EDWARD J. (S'41-A'42-M'55), Instrument Engr., Belock Instrument Corp., College Point, L.I., N.Y. PELL, RICHARD 8. (A'59), V.P., Electronic Consultants, Inc., B9 State St., Boston 9, Mass. PELLA, ANIBAL (A'59-M'58), Asst., Transmitting Div., Circuito CMQ S.A., My 23, Radiocentro, Havana, Cuba.
- PELLEGRINELLI, ARISTEDE (M'59), Bell Tel. Labs., Murray Hill, N.J.
- PELLEGRINELLI, ARISTEDE (M'59), Bell Tel. Labs., Murray Hill, N.J.

 PELLEGRINELLI, GEORGE L. (A'47), Dev. Engr., ITT
 Labs., Nutley 10, N.J.

 PELLETER, RAYMOND M. (A'57), Special Electronics Installations, 66 St. Joseph St., Lauzon, Levis, P.Q., Canada.

 PELLEY, ARLD D. (M'56), Electronic Systems Design Engr., Internatl. Electronics Engrg. Co., Inc., 425 13 St., N.W., Washington 4, D.C.

 PELLI, CIDRGIO (SM'56), Ten. Col. Ing., Scuola Transmissioni, Cecchignola, Roma 13, Italy.

 PELLINE, PHILIP E. (M'59), Sr. Engr., Hughes Aircraft Co., 80x 90515, Los Angeles 45, Calif.

 PELLINEN, AARRE D. (S'57-M'58), Jr. Engr., Burroughs Corn., 511 N, Broad St., Philadelphia, Pa.

 PELLOK, LYLE E. (S'55-M'57), Lt. ja., United States Naval Reserve, Service School Command, Naval Training Center, Great Lakes, III.

 PELNER, NATHAN (A'53-M'56), Asst. Chief Engr., Bruno-N.Y., Industries Corp., 46D W. 34 St., New York 1, N.Y., Industries Corp., 46D W. 34 St., New York 1, N.Y. PELOQUIN, PETER T. (A'59), Radio Engr., Chippewa Falls Broadcasting Co., Box 41, Chippewa Falls, Wis., Owner, H.-Fi Corner, 37 W. Spring St., Chippewa Falls, Wis., Owner, H.-Fi Corner, 37 W. Spring St., Chippewa Falls, Wis., Delectronics Technician, Directorate, Logistic Support Mngt., Rome AMA, Griffiss AFB, N.Y.

 PELS, EDWARD J. (S'48-A'50-M'55), Electronics Engr., Hudson Labs. (Columbia liniv). 1.45 Paliezede S. Dobbe.

- PELS, EDWARD J. (S'48-A'5D-M'55), Electronics Engr., Hudson Labs. (Columbia Univ.), 145 Palisade St., Dobbs Ferry, N.Y.
- Ferry, N.Y.

 PELT, THOMAS E. (S'56-M'58), Elec. Engr., Texas Instruments, Inc., 6DDO Lemmon Ave., Dallas, Tex.

 PELTA, EDMOND R. (S'53-A'55), Engr., Eisler Associates 242 S. Rexford Dr., Beverly Hills, Calif.

 PELTESON, FRANK M. (M'56), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 PELTO, RONALD A. (S'57-M'59), Elec. Design Engr., Chrysler Corp., Detroit 33, Mich.

 PELTON, EDWARD A. (A'58), Sr. Electro-Mech, Technician, Electronic Communications, Inc., 15D1 72 St., N., St. Petersburg, Fla.

 PELTON, FRANK M. (S'46-A'51-M'57), Principal Engr.,

- N., St. Petersburg, Fla.

 PELTDN, FRANK M. (S'46-A'51-M'57), Principal Engr.,
 Cornell Aeronautical Lab., Box 235, Buffalo 21, N.Y.
- PELTON, RUSSELL G. (M'44), V.P., North American Philips Co., Inc., 1DDE. 42 St., New York 17, N.Y. PELTZ, WILLIAM J. (SM'51), V.P. & Genl, Mr. Lansdale Tube Co., Church Rd., Lansdale, Pa. PELUSD, DOMENIC J. (S'56-A'56), 217 Harvard St., Brookline 46, Mass.
- Brookline 46, Mass.
 PELZER, BRUCE (5'50-A'53), Electronics Techniclan,
 51-D7 9D St., Elmhurst 73, L.I., N.Y.
 PELZER, FRANCIS W. G. (A'57), Quality Control, Benco
 Television Assn., Ltd., 27 Taper Rd., Toronto, Ont.,
- Canada.

 PELZMAN, GEORGE P. (S'57-M'59), Electronics Engr., Hughes Aircraft Co., Box 90425, Los Angeles 45, Calif. PELZMAN, LEON (S'43-A'46-M'55), Electronics Engr., FAA, 17 & Constitution Ave., N.W., Washington, D.C. PEMBERTON, THOMAS (S'56-M'58), Electronics Engr., Convair, Pomona, Calif., PENABAD, JOSEPH (S'52-A'53), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. PENCE, CHARLES J. (A'52-M'57), Dept. Mgr., Remington Rand Univac, St. Paul 16, Minn., PENDER, PAUL S, SR. (Minn., PENDER, PAUL S, SR. (M'54-SM'57), Owner & Chief Engr., Resia Labs., 2025 Delmar Ave., Granite City 1, III.

- PENDERGRASS, HERBERT L. (A'54), Radio Engr., Internatl. Aviation Industries, Inc., Westchester County Airport, White Flains, N.Y.
- Winter Flains, N.Y.
 PENDLETON, ALVIN D. (A'55), Applied Science Rep., IBM, 1602 W. 3rd Ave., Flint, Mich.
 PENDLETON, EDMUND E. (S'48-A'51), Electronics Field Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 3, Md.
- PENDLETON, LE ROY S. (A'54), Electronics Engr., Nevada Air Prods. Co., North Valley Rd., Reno, Nev.

- PENDLETON, THOMAS A. (A'52-M'57), Electronics Engr., U.S. Naval Ordnance Lab., White Oak, Silver Spring, Md. PENDLETON, WILLIAM H. (A'59), Electronics Engr., Douglas Aircraft Co., 3000 Ocean Park Ave., Santa Monica, Calif
- PENDRED, CHARLES R. (S'54-M'56), 1st Lt., U.S. Army Signal Corps, Hors. 97th Signal Bn., APÓ 46, New York, N.Y.

- New York, N.Y.
 PENFIELD, ALVIN W. (#57), Electronics Design Engr., RCA, Camden, N.J.
 PENFIELD, ALVIN W. (#57), Electronics Design Engr., RCA, Camden, N.J.
 PENFIELD, HAYS (S'51-A'53-M'57), Project Engr., Ewen Knight Corp., 206 A. St., Needham, Mass.
 PENGEROTH, IRVING E. (S'157-M'59), 23 Dixwell St., Roxbury 19, Mass.
 PENGEROTH, PATRICK P. (A'57), Electronics Technician, MIT, Cambridge 39, Mass.
 PENHOLLOW, H. A. (A'3B-VA'39), 2000 2nd Ave., Detroit 26, Mich.
 PENHOLLOW, JOHN 0. (S'155-M'57), 1104 McClellan St., Tama, Iowa.
 PENICK, DIXON B. (A'29-VA'39-SM'54), Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.
- Mass.
 PENIKAS, GERIMANTAS (S'52-A'53-M'58), Elec. Engr.,
 Airborne instrument Lab., Mineola, L.I., N.Y.
 PENISTEN, GLENN E. (M'57), Engr., Texas Instruments,
 Inc., 6000 Lemmon Ave., Dallas, Tex.
 PENK, CHARLES (A'49), Chief Engr., Plant Mgr., New
 England Electronic Components, Inc., 717 Main St.,
 Holyoke, Mass.
- PENLAND, ROBERT S., JR. (M'59), FAA, Aeronautical Center, Oklahoma City, Okla.
 PENN, THOMAS C. (M'55-SM'57), Mem. Tech. Staff, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex. PENN, WILLIAM A. (M'56), Engr., GE Co., Syracuse N.Y. PENN, WILLIAM D. (S'33-A'35-SM'46), Consultant, 4423 Westway, Dallas 5, Tex.
 PENNAND, V. WILLIAM (S'48-A'50), Sr. Engr., Martin Co., Orlando, Fla.
 PENNELL, ARTHUR P. (A'54-M'56), Administrative Asst. to Dir. of Research, Melpar, Inc., 43 Leon St., Boston, Mass.

- PENNER, RUDOLF J. (S'55-M'56), Bids & Contracts Ad-ministrator, Microwave & Industrial Prods, Dept., Canadian Motorola Electronics, Ltd., 105 Bartley Dr., Toronto 16, Ont., Canada.
- Ont., Canada.
 PENNEY, ALBERT W., JR. (S'51-A'53-M'59), Research
 Engr., United Aircraft Corp., Research Lab., Silver Lane,
 East Hartford, Conn.
 PENNEY, AND REW.T. (A'57), Salesman, Specialty Distributing Co., Inc., 763 Juniper St., N.E., Atlanta 8, Ga.,
 PENNIMAN, IRA B. (M'54), Project Engr., Melpar, Inc.,
 3000 Arlington Blvd., Falls Church, Va.,
 PENNINGTON, EDGART (M'57), Sr. Engr., Sylvania
 Elec., Prods., Inc., 1891 E., 3rd St., Williamsport, Pa.,
 PENNINGTON, MURRY S. (A'56), Methods Mgr., Hermetic
 Seal Transformer, Box 277, Garland, Tex.

- Seal Transformer, Box 277, Garland, Tex.

 Seal Transformer, Box 277, Garland, Tex.

 PENNINGTON, RICHARD B. (S'46-A'53-M'58), Owner, Pennington Sales & Service, Box 509, East Lansing, Mich.; Project Engr., Elec. Engrg. Dept., Board of Water & Light, 116 W. Ottowa. Lansing. Mich.

 PENNINGTON, ROBERT J. (S'50-A'51-M'56), Project Engr., Motorola, Inc., 8201 E. McDowell, Phoenix, Ariz.

 PENNIWELL, AMORY F. (A'43-M'55), Electronics Engr., Foreign Broadcast Information Service, APO 239, San Francisco, Calif.

 PENNOYER, ROBERT T. (A'36-SM'46), Mgr., Equipment Dev. Operation, Receiving Tube Dept., GE Co., Schenectady, N. Y.

 PENOYER, RALPH F. (S'55-M'56), Staff Engr., IBM Military Prods., Owego, N. Y.

 PENNOYER, RICHARD M. (S'50-A'51-M'55), Engr., De Havilland Aircraft of Canada, Ltd., Downsview P.O., Ont., Canada.

- De Havilland Aircraft of Canada, Ltd., Downsview P.O., Ont., Canada.

 PENSAK, LOUIS (A'42-SM'47), Physicist, RCA Labs., Princeton, N.J.

 PENSTONE, SIDNEY R. (S'54-M'57), Defence Scientific Service Officer, Radio Physics Lab., Defense Research Board, Ottawa, Ont., Canada.

 PENSYT, JOHN F. (S'52-A'53-M'58), Sr. Engr., Raytheon Mg. Co., Bedford, Mass.

 PENTECOST, EUGENE E. (M'53-SM'5B), Engrg. Suppr., No. Amer., Aviation, Autonetics Div., Downey, Calif.

 PENTHER, CARL J. (A'29-SM'45), Dev. Suppr., Instrumentation Dopt., Shell Development Co., 4560 Horton St., Emeryville 8, Calif.

 PENTHER, CARL J. (A'59-SM'57), Electronic Scientist, USN Mine Defense Lab., Panama City, Fla.

 PENTON, REGINALD E. (A'54-M'55-SM'5B), Engr., Canadian Broadcasting Corp., Box 10, Snowdon, Montreal, P. Q., Canada.

 PENWELL, JOHN R. (M'59), Elec. Engr., Philco Corp., 3875 Fabian Way, Palo Alto, Calif.

 PEOTLES, JOHN E. (A'42), Natur., USAF, Project Engr., Directorate of Systems Management, Hgrs., ARDC, Dept #1, Wright-Patterson AFB, Ohio.

 PEPIN, GERALD R. (S'56-M'59), Communication Officer, USAF, 1957 AACS (PAF) APO 915, San Francisco, Calif.

 PEPINO, LYLE F. (A'56), Asst. Genl. Mgr., Richards Wilcox Canadian Co., Ltd., Terrace St., London, Ont., Canada.

 PEPMUELLER, ARLIN D. (A'57), Suppr., Engr., & Research Support Div., Sandia Corp., Sandia Base, Albu-

- Canada,

 PEPMUELLER, ARLIN D. (A'57), Supvr., Engrg. & Research Support Div., Sandia Corp., Sandia Base, Albuquerque, N.M.

 PEPPEL, THOMAS R. (A'57), Engr., Bendix Aviation
 Corp., Kansas City, Mo.

 PEPPER, HELEN H. (A'59), Exec. Secy. to Pres., Airborne
 Instrument Lab., Mineola, L.I., N.Y.

 PEPPER, JAMES R. (M'59), 18367 Clemson Ave.,
 Saratoga, Calif.

 PEPPER, WILLIAM H. (A'52-M'57), Mathematician,
 Diamond Ordnance Fuze Labs., Washington 25, D.C.

 PEPPERBERG, LOUIS E. (S'35-A'3B-M'45-SM'58),
 Project Engr., Motorola, Inc., 4501 W. Augusta Blvd.,
 Chicago 51, III.
- PEPPIATT, HARRY J. (M'54), System Physicist, GE Co., Mountain View Rd., Lynchburg, Va.

- PEPRNIK, HENRY O. (S'55-M'56), Elec. Dev. Engr., Lucas-Rotax, Ltd., Box 115, Sta. H., Toronto, Ont., Canada.
- Canada,
 PERA, JAIME E. (A'59), Engr., C. A. Rypinski Co., 2005
 N. Fair Daks, Pasadena, Calif.
 PERATINO, GEORGE S. (M'5B), Reliability Engr., Navy
 Dept., Bureau of Ordnance, Washington, D. C.
 PERCH, DANIEL F. (S'4B-A'49-M'55), Elec. Engr.,
 Toledo Edison Co., 420 Madison, Toledo 4, Ohio.
 PERCHYSHYN, ELKO (M'58), Elec. Engr., Telex, 1633
 Eustis St., St., Paul 1, Minn.
 PERCIVAL WILLIAM R. (M'48-SM'56), Resident Engr.
- PERCIVAL, WILLIAM R. (M'48-SM'56), Resident Engr., Woodbridge Plant, RCA, 1550 St. George Ave., Avenel,
- N.J.
 PERCY, ROBERT W. (M'54), Asst. Branch Chief, Land
 Transportation Div., Safety & Special Radio Services Bureau,
 FCC, 12 & Pennsylvania Ave., N. W., Washington 25, D. C.
 PERDUE, JAMES D. (M'58), Supvr., Electronics Scientist,
 Range (nstrumentation Development Div., White Sands Missile Range, N.M.
 PEDDUE DOBERT E. (S. 56.m.M.50), Access East.

- ile Range, N.M.

 PERDUE, ROBERT E. (S'56-M'58), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.

 PERDZOCK, ROBERT C. (A'51-M'56), Project Engr., USAF, Wright-Patterson AFB, Ohio.

 PERECINIC, WILLIAM S. (S'46-A'48-M'55), Leader, D & D, RCA, Moorestown, N.J.

 PEREDA, EUGENE F. (A'47-M'55), Asst. Prof., Elec. Engr., Southwestern Courisina Institute, College Ave., Lafayette, La.
- PERELLE, IRA B. (A'4B), Pres., Westlab Electronics, Inc., 590 Tuckahoe Rd., Yonkers, N.Y.
 PERERS, OLOF F. (M'56), Project Engr., SAAB Aircraft Co., Linkoping, Sweden
- CO., LINKOPING, Sweden, PERETKO, HENRY T. (M*53), Tech. Specialist, Allen B. DulMont Labs., 35 Market St., East Patterson, N.J. PEREYRA, LIRIO A. (SM*59), Engrg. Mgr., RCA Victor Argentina S.A.J.C., Paroissien 3960, Buenos Aires, Argentina.
- Argentina.

 PEREZ, ABRAHAM A. (S'49-A'50-M'58), Head, Advanced Systems Logic Rescarch, Computers & Control Lab., Litton Industries, 2205 Stoner Ave., West Los Angeles 64, Calif. PEREZ, CARLOS P. (S'42-A'45-SM'52), Systems Engr., RCA, Internatl., Clark, N. J.

 PERFILIO, LUIS M. (A'55), Jefe, Seccion Tecnica De La Inspeccion De Communicaciones, Azopardo 250, Buenos Aires, Argentina.

- Aires, Argentina PERHAM, DOUGLAS M. (SM'57), Owner, New Almaden Museum, New Almaden, Calif. PERICH, MICHAEL (S'53-A'54), Elec. Engr., Western Electric Co., Bell Labs., Oak St., Winston-Salem, N.C PERILLI, RICHARD R. (M'57), Engr., RCA, Moorestown,

- N.J.
 PERINGER, PAUL (S'51-A'53-M'58), Electronic Scientist,
 Naval Ordnance Lab., Corona, Ca lii.
 PERINI, HARRY R. (S'53-A'55), Engr., Sperry Gyroscope
 Co., Great Neck, L.J., N.Y.
 PERINI, JOSE (A'51), Assistente de Cadeira de Radiotecnica
 e Electronica, Escola Politecnica de Sao Paulo, Praca
 Coronel Fernando Prestes 152, Sao Paulo, Brazil.
 PERISSE, GERALDO L. C. (S'54-M'56), Dev. Engr., Industria Carasileira de Eletricadae S.A., Rua Afonso Celso,
 1956, Sao Paulo, Brasil.
 PERITZ, RICHARD A. (S'58-M'58), Dev. Engr., Wheeler.
- PERITZ, RICHARD A. (S'58-M'5B), Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y. PERKEL, DANIEL (M'57), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont St., Anaheim, Calif. PERKINS, ALADDIN N. (S'55-M'57), Instr., Univ. of Arizona, Tucson, Ariz.

- zona, Tucson, Ariz.
 PERKINS, BRAYTON M. (A'57), Engr., Hughes Aircraft Co.,
 945 E. 17 St., Tucson, Ariz.
 PERKINS, CORNELIUS C. (S'50-A'52-M'57), Asst. Instr.
 (Research), Univ. of Pennsylvania (Moore School of Elec.
 Engrg.), Walnut & 33 St., Philadelphia 4, Pa.

- Engry J, Wainut & 32 St., Philadelphia 4, Pa.
 PERKINS, DONALD W. (A'47-M'55), Design Engr., GE Co.,
 Syracuse, N.Y.
 PERKINS, E. STUART (SM'5B), Chief Engr., Butler Co.,
 Research, Oak Brook, Hinsdale, III.
 PERKINS, EDWIN H. (SM'46), Mem. Tech. Staff, Merrimack
 Valley Lab., Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.
- over, Mass.
 PERKINS, FREDERICK M., JR. (A'59), Range Sta. Electronics Technician, MTP, Patrick AFB, Fla.
 PERKINS, GORDON O. (S'47-A'49-M'55), Mgr., Dev. Engrg., Federal Pacific Electric Co. BBB Keyser Ave., Scranton, Pa.
 PERKINS, HARLEY A., JR. (S'50-A'51-M'56), Engr., Westinghouse Elec. Corp., 356 Collins Ave., Pittsburgh 6, Pa.
- PERKINS, HERBERT T. (A'49-M'55), Electronics Design Engr., Bell & Howell Co., 7100 McComick Rd., Chicago, III.
- PERKINS, JAY C., JR. (M'57), Hook Rd., R.D.2, Victor,
- N.Y.
 PERKINS, JOHN F. (A'55-M'59), Sr. Engr., Raytheon Mfg.
 Co., Maynard, Mass.
 PERKINS, JOHN L. (S'58-A'59), Broadcast Engr., K.C.M.O.
 Broadcasting Co., 125 E. 31 St., Kansas City, Mo.
 PERKINS, JOSEPH R. (SM'4B), Elec. Consultant, Polychemicals Dept., E.l. du Pont de Nemours Co., Inc.,
 Wilmington, Del.
- Wilmington, Del.
 PERKINS, KENNETH C. (\$'50-A'52-M'56'), Sr. Engr.,
 Hampshire Engrg. Co., 2300 Washington St., Newton Lower
 Falls, Mass.
 PERKINS, LEE G. (\$'56-M'58), Engr., Tech. Prods. Div.,
 Packard Bell Electronics Corp., 12333 W. Olympic Blvd.,
 Los Angeles 64, Calif.
 PERKINS, LEI AND M. (\$'57-M'58), Elgo, Engr., PCA
- Los Angeles 64, Calif.

 PERRINS, LELAND M. (S'57-M'58), Elec. Engr., RCA, 11819 W. Olympic Blvd., Los Angeles 66, Calif.

 PERRINS, LEROY C. (S'46-M'55), Staff Engr., Applied Physics Staff, Boeing Airplane Co., Box 3707, Seattle 14, Wash.
- Wash.

 PERKINS, MERRITT L. (J'36-A'36-VA'39), Owner, Merritt L. Perkins, 714 Pealer St., Three Rivers, Mich.

 PERKINS, MILTON G. (A'45-M'55), Electronics Engr., Office of the Asst. industrial Mgr., 13th District, USN, 2400 11 Ave., S.W., Seattle, Wash.

 PERKINS, N. KENNETH (A'54), Sr. Engr., IBM, Northern Belt Line, Lexington, Ky.

 PERKINS, OLIVER D. (A'36-M'3B-SM'43), Engrg. Dean, Northeast Schools, 162 Huntington St., New Haven, Conn.

- PERKINS, ROBERT W. (S'51-A'54), Advertising Mgr. & Sales Engr., The A.W. Haydon Co., 232 N. Elm, Waterbury, Conn.

 PERKINS, THEODORE B. (A'44-M'54), Salesman, Equipment Sales Dept., RCA Electron Tube Div., 744 Broad St., Newark, N.J.
- N.J.
 PERKINS, WALLACE W. (SM'57), Mgr., Electronics-Instrumentation Sect., New Departure Div., GMC, N. Main St., Bristol, Conn.
 PERKINS, WARREN E. (M'57), Sr. Field Engr., Stavid Engr., Inc., Hwy. 22, Plainfield, N.J.
 PERKINS, WILLIAM C. (M'5B), Group Head, Collins Radio Co., Cedar Rapids, Iowa.
 PERKINSON, JOHN A. (S'52-A'54-M'59), Liaison Engrg. & Co-ordination, Army Ballistic Missile Agency, Army Missile Firing Lab., Cape Canaveral, Fla.
 PERKO, EDWIN M. (M'57), Systems Engr., Westinghouse

- PERKO, EDWIN M. (M¹57), Systems Engr., Westinghouse Elec. Corp., Box 746, Baltimore, Md. PERKOWSKI, THADDEUS F. (A¹51–M¹56), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y. PERKS, ARTHUR F. (A¹51), Assoc. Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
- PERKS, NORMAN W. (S:57-M-159), Jr. Engr., Haller, Ray-mond & Brown, Inc., 124 N. Atherton St., State College, Pa PERLE, ROBERT C. (S!53-M'56), Sr. Field Engr., Bendix Radio, Painters Mill & Reisterstown Rds., Owings Mills, Md.

- Radio, Painters Mill & Reisterstown Rds., Owings Mills, Md. PERLES, ANTHONY H. (S'56-M'59), Elec. Engr., RCA, Camden 2, N.J.

 PERLETTI, PAUL V. (M'57), Engr., Pacific Telephone & Teleoraph Co., 401 S.W. Oak St., Portland, Ore.

 PERLIN, ALLEN I. (S'52-A'53-M'56), Project Engr., Bendix Corp., Towson 4, Md.

 PERLINI, ROBERT (A'54), Project Engr., IBM, Poughkeepsie, N.Y.
- N.T. PERLIS, HARLAN J. (S'4B-A'50-M'56-SM'59), Instr., Elec. Engrg., New York Univ., University Hgts., New York 53, N.Y.
- PERLISS, ROBERT E. (S'49-A'51-M'58), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- PERLMAN, DAVID J. (S'55-M'57), 2nd Lt., Corps. of Engrs., U.S. Army, Home: 1705 Andrews Ave., Bronx 53, N.Y. PERLMAN, IRVING (S'45-A'4B-M'55), Project Engr., Loral Electronics Corp., B25 Bronx River Ave., Bronx, N.Y.
- Electronics Corp., B25 Bronx River Ave., Bronx, Ñ. Y. PERLMAN, MARVIN (M'52), Research Engr., Jet Propulsion Lab., California Technical Institute, 4800 Oak Grove Ave., Pasadena, Calif. PERLMAN, ROBERT R. (A'53), Mgr. & Research Engr., Louis Labs., 780 West End Ave., New York 25, N.Y. PERLMAN, SOL (M'45-SM'52), Chief, Analysis Engrg. Div., (Supvy. Electronics Engr.), Radio Propagation Agency, Signal Corps., Ft. Monmouth, N.J. PERLMUTER, ALVIN M. (S'57-M'58), Project Engr., Waldorf Electronics, Wolf Hill Rd., Huntington Sta., L.I., N.Y.
- PERLMUTTER, THEODORE W. (M157), Instr., IBM, Kingston,

- PERLMUTTER, THEODORE W. (M'57), Instr., IBM, Kingston, N.Y.

 PERLOFF, GERRY (M'5B). Box 22. Watertown. Mass.
 PERLSWEIG, A. MAXWELL (A'42-M'55), Electronics Engr., 95 W. Broadway, Salem, N.J.
 PERNA, PATRICK J. (S'52-A'54), Elec. Engr., Bendix Aviation Corp., Teterboro, N.J.

 PERNICE, JOSEPH R. (SM'47), Electronic & Industrial Consultant, 15 Rue De La Faisanderie, Paris 16. France
 PERNICK, HENRY L. (S'42-A'47-M'55), Sr. Engr., American Bosch Ama Corp., Garden City, L.I., N.Y.

 PERNICK, LEONARD J. (S'56-M'56), V.P., Stevens & Associate, 6351 Wilshire Blvd., Los Angeles 48, Calif.

 PERNULA, MILTON J. (A'5B), Electronics Engr., Telex, Inc., 1633 Eutis, St. Paul 1, Mim.

 PERONJ DNN (M'59), Sr. Engr., Reaction Motors Div., Thickol Chemical Corp., Ford Rd., Denville, N.J.

 PERPER, LLOYD J. (1'42-A'43-SM'49), Professional Engr., Rte., 9 Box 797, Tucson, Ariz.

 PERPINICA, ANTHONY E. (S'53-A'57), Elec.

 Engr., Hellenic Petroleum Refinery Co., Box 649, Athers, Greece.
- Athens, treece.

 PERRAULT, ORVILLE S. (A'5B), TV Technician, Western Ont. Broadcasting Co., Ltd., B25 Riverside Dr., W., Windsor, Ont., Canada.

 PERRAULT, RALPH E. (A'52-M'5B), Chicago District Field Engrg. Supvr., ElectroData Div., Burroughs Corp., 20 N. Wacker Dr., Chicago 6, III.
- PENKAULT, KALPH E. (A'52-M'58), Chicago District Field Engrg. Supur., Electrobata Div., Burroughs Corp., 20 N. Wacker Dr., Chicago 6, Ill.
 PERREAULT, DONALD A. (S'51-A'52-M'57), Partner, O'Hara Associates, 112 Dewitt St., Syracuse 3, N.Y.
 PERREAULT, WILLIAM J., JR. (S'57-M'59), Elec. Engr., "B", RCA, Camden, N.J.
 PERREIRA, DAVID G. (S'52-A'54), Police Dept., 240 Center St., 109 Precinct, Flushing, L.I., N.Y.
 PERRIN, BILL J. (A'52-M'55), Sr. Group Engr., Mart in Co., Box 173, Denver 1, Colo.
 PERRIN, JACK L. (M'59), Engr., Secode Corp., 555 Minnesota St. San Francisco, Calif.
 PERRINE, CHARLES D., JR. (A'51), Asst. Div. Mgr., Engr., Convair, Pomona, Calif.
 PERRINE, CHARLES D., JR. (A'51), Sr. Engr., Aero Geo Astro Corp., 1914 Duke St., Alexandria, Va.
 PERRINS, ALLEN R. (S'49-M'56), Engr., Superior Electric Co., Laurel St., Bristol, Conn.
 PERRITT, JOSEPH L. (M'53-M'58), Special Agent (Electronics Engr.), FBI, Washington 25, D.C.
 PERRON, ROBERT R. (M'48), Staff Engr., Arthur D. Little, Inc., 15 Acom Park, Cambridge, Mass.
 PERROIT, THOMAS A. (M'56), Pres., Perrott Engrg.
 Labs., Inc., 3305 N. Pershing Dr., Arlington J., Va.
 PERRY, ALBERT D., JR. (S'44-A'51-M'56), 419
 Cayuga Hyts. Rd., Ithaca, N.Y.
 PERRY, ARTHUR C. (S'57-A'58), Technician, Remington Rand Univac, St. Paul 16, Minn.
 PERRY, BERNARD D. (M'56), Electronics Engr., Lab. for Electronics, 75 Pitts St., Boston 14, Mass.

- PERRY, BERNARD D. (M'56), Electronics Engr., Lab. for Electronics, 75 Pitts St., Boston 14, Mass.

- 329 -PER-PET

- PERRY, C. LEON (S'54-M'56), Supvr., Engro. & Utilities, Columbia-Geneva Div., U.S. Steel Corp., 840 Border Ave., Torrance, Calif.
 PERRY, CHARLES S. (S'37-A'41-SM'54), Asst. Chief Engr., Missile Systems, Douglas Aircraft Co., Inc., 3000 Ocean Park Bivd., Santa Monica, Calif.
- PERRY, CHESTER L. (4:54-M'56), Electronics & Armament Systems Engr., Lockheed Aircraft Corp., Burbank, Calif. PERRY, DAVID P. (M'57), Dev. Engr., ITT Labs., Nutley 10, N.J.
- Nutley 10, N.J.
 PERRY, EDWARD D. (S'52-A'55-M'59), Engr., RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.
 PERRY, EDWARO G. (M'56), Systems Engr., Electronic Warlare, Oept., Nati. Defence (Navy), Ottawa, Dnt., Canada.
- PERRY, FLMER V., JR. (SM'57), Systems Planning Engr., GE Co., Syracuse, N.Y.
 PERRY, ERNEST R. (S'56-M'5B), Asst. Engr., Texas Instruments Inc., 6000 Lemmon Ave., Dallas, Tex.
 PERRY, FRANCIS M. (M'58), Sr. Prod. Engr., Electronics Internati. GE Co., 150 E. 42 St., New York 17, N.Y.
- York 17, N.Y.
 PERRY, FRED E. (A'50-M'55), Flight Control Group
 Suppr., Boeing Aimlane Co., Seattle, Wash.
 PERRY, FREDERICK M. (M'53-SM'53), Research Engr.,
 GE Co., Cornell Univ., Ithaca, N.Y.
 PERRY, GEORGE H. (M'56), Sup
- PERRY, GEORGE W. (\$'53-A'54), Elec. Engr., Cincinnati Milling Machine Co., 4701 Marburg Ave., Cincinnati 9,

- PERRY, GEORGE W. (S'53-A'54), Elec. Engr., Cincinnati Milling Machine Co., 4701 Marburg Ave., Cincinnati 9, 0hio.

 PERRY, HARRY E. (S'49-A'50-M'57), Engr., RCA New Holland Ave., Lancaster, Pa.

 PERRY, HARRY T. (SM'59), Aeronautical Research Engr., Automatic Stability & Control, Army Rocket & Guided Missile Agency, Redstone Arsenal, Ala.

 PERRY, HORACE E. (S'50-A'52-M'57), Electronics Engr., GE Co., Syracuse, N.Y.

 PERRY, JRIVING D. (M'56), Engr., Public Service. Electric & Gas Co., 80 Park PL., Newark 1, N.J.

 PERRY, JAMES E. (A'57), Engr., Technician, Electronics U.S. Naval Research Lab., Washington 25, D.C.

 PERRY, JAMES S. (S'46-A'49-M'57), Design & Dev. Engr., GE Co., HMED, Syracuse, N.Y.

 PERRY, JAMES S. (S'48-A'49-M'55), Sect. Head, Airborne Instruments Labs., Inc., Mineola, L.I., N.Y.

 PERRY, JOHN T. (S'58 A'58), Tech. Asst., Bell Tel. Labs., Murray Hill, N.J.

 PERRY, JOHN T. (A'49-M'55), Sr. Engr., (Elec). Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles 23, Callif. PERRY, JOHN T. (S'58-M'59), Elec. Engr., Dunlee Corp., 4558 W. Congress Pkwy., Chicago 24, Ill.

 PERRY, JOHN T. (S'58-M'59), Elec. Engr., Dunlee Corp., 4558 W. Congress Pkwy., Chicago 24, Ill.

 PERRY, JOSEPH W. (M'55), Owner, Perry Associates, 12 Townsend Pl., Syosset, L.I., N.Y.

 PERRY, LAWRENCE (S'57-M'59), Systems Engr., American Bosch Arma Corp., Arma Div., Garden City, L.I., N.Y.

 PERRY, MARTIN A. (S'44-A'49-M'55), Project Engr., Curtiss-Wight Corp., Carlstadt, N.J.

 PERRY, MARTIN A. (S'44-A'49-M'55), Project Engr., Curtiss-Wight Corp., Carlstadt, N.J.

 PERRY, MARTIN A. (S'44-A'49-M'55), Project Engr., Perry, Martin A. (S'44-A'49-M'55), Project Engr., Curtiss-Wight Corp., Carlstadt, N.J.

 PERRY, MARTIN A. (S'44-A'49-M'55), Project Engr., Derry, Curtiss-Wight Corp., Carlstadt, N.J.

 PERRY, MARTIN A. (S'44-A'49-M'55), San Juan, Puerto Colonial Broadcasting Corp., Box 4189, San Juan, Puerto

- PERRY, RALPH P. (A'41), Pres & Chief Engr., American Colonial Broadcasting Corp., Box 4189, San Juan, Puerto Rico.

- PERRY, RALPH P. (A'41), Pres & Chief Engr., American Colonial Broadcasting Corp., Box 4189, San Juan, Puerto Rico.

 PERRY, RAYBURN E. (A'51-M'57), Staff Engr., Range Dev. Dept., Pacific Missile Range, Point Mugu, Calif.

 PERRY, RICHARD A. (S'52-A'53-M'58), Design & Dev. Engr., RCA, Camden 2, N.J.

 PERRY, RICHARD A. (A'52-M'57), Electronics Engr., Collins Radio Co., Cedar Rapids, lowa.

 PERRY, RICHARD H. (S'49-A'51-M'56), Sr., Electromechanical Engr., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.

 PERRY, ROBERT C. (A'52-M'57), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 13, Ohio.

 PERRY, ROBERT L. (A'41-M'49), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 PERRY, SYDNEY V. (A'35- VA'39-SM'59), Engr., Audio & Acoustic Dev., RCA Vitor, Camden 8, N.J.

 PERRY, VERNON G. (A'45-M'55), Research & Dev. Mgr., Collins Radio Co., Cedar Rapids, Iowa.

 PERRY, WARREN C. (S'52-A'55), Elec. Engr., RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.

 PERRY, WILLIAM S., JR. (M'57), Electronics Field Testing, Civil Service, Ft. Huachuca, Ariz.

 PERRY, WILLIAM S., JR. (M'57), Assoc. Engr., Wirght Machinery Co., Calvin St., Durham, N.C.

 PERRYMN, NORMAN A. (M'57), Assoc. Engr., Wirght Machinery Co., Calvin St., Durham, N.C.

 PERRYMN, NORMAN A. (M'57), Assoc. Engr., Wirghlam Co., Wichita, Kan.

 PERSNN, LARS 8. (A'50-M'56), Electronics Engr., Litton Industries, 963 Industrial Way, San Carlos, Calif.

 PERSONS, CHARLES B. (A'39-SM'46), Owner-Mgr., Radio Sta. WELY & Ely Television Cable Co., Ely, Minn.

 PERSONS, CLYDE O. (S'56-M'57), Communications Engr., Vill, Creole Petroleum Corp., Teleconunicaciones, Jusepin, Venezuela.

 PERSONS, LAUREN D. (A'53-M'58), Genl. Supvr., Production Engr., Jusepin, Venezuela.
- PERSONS, LAUREN D. (A'53-M'58), Geni. Supvr., Production Engrg., Nortronics Div., Orangethrope, Anahelm, Calif.
- PERSSON, ERLAND K. (S'55-M'56), Sr. Engr., Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13,
- PERSSON, INGEMAR (M'58), Merkurlusvagen 19, Stockholm-Lidinoo, Sweden. PERSSON, KENNETH R. (M'58), Electronics Engr., Dept. of Commerce, FAA, Oklahoma City, Okla.
- PERSSON, N. INGMAR E. (A'57), Engr., Research Institute of Natl. Defense, Div. 3, Stockholm 80, Sweden. PERSSON, THORVALD P. (A'54), Research Engr., Research Institute of Natl. Defense, FOA 2, Stockholm 80, Sweden.

- PERUTZ, ROBERT A. (S'56-M'58), Assoc. Engr., Norden Olv., United Aircraft Corp., 56 Commerce St., Stamford, Conn.
- PERZEZY, THEODORE S. (S'54-A'55), Broadcast Engr., CBS, 4B5 Madison Ave., New York 18, N.Y.
 PERZLEY, WILLIAM (A'54), Computer Group Supvr., American Bosch Arma Corp., Garden City, L.I., N.Y.
 PESCE, JOSEPH S. (M'58), Mktg. Rep., RCA, Camden, N.J.
- N.J.
 PESCE, WILLIAM J. (A'53), Asst. State Hwy. Elec. Engr.,
 Connecticut State, 24 Wolcott Hill Rd., Whetherfield, Conn
 PESCHEL, DDNALD J. (M'59), Electronics Engr., Lawrence
 Radiation Lab., Univ. of California, Box B08, Livermore,
 Calif.
- PESELNICK, LOUIS (A'54), Physicist, & Project Chief, U.S. Geological Survey, Washington 25, 0.C.
- U.S. Geological Survey, washington 25, U.S., Pecision Instrument Co., 1011 Commercial St., San Carlos, Calif. PESHOCK, MICHAEL, JR. (M'59), Glass Engr., Sylvania Elec. Prods., Inc., Burlington, Iowa. PESKIN, EDWARD (S'42-A'44-SM'50), Assoc. Prof., Elec. Engr., Stevens Institute of Technology, 5 & Hudson Sts., Hoboken, N.J.

- PESSIN, LEO (M'58), Elec. Engr., RCA, Defense Elec. Prod., Camden 2, N.J.
 PESTEL, TROY L. (S'56-A'57), Dev. Engr., Good-All Electric Mfg. Co., Good-All 81g., Ogalfala, Neb.
 PESTELL, GEORGE A. (SM'57), Chief, Penetration Aids Div., Hgrs. 303rd Bomb Wing, SAC, Oavis Monthan AF8, Ariz.

- Ariz.

 PESTER, ROLAND F. (A'42-M'55-SM'55), Dev. Engr., GE Co., Schenectady 5, N.Y.

 PESTONE, ARSENIO A. (A'57), Engr., Norden Labs., 121 Westmoreland Ave., White Plains, N.Y.

 PESZKA, STEPHEN F. (M'59), Asst. Dev. Engr., Burroughs Corp., Paoli, Pa.

 PETER, JACOB P. (M'58), The Standard Engrg. Co., Box 34, Palghat, Kerala State, South India.

 PETER, DOLF W. (A'47-SM'52-F'58), Dir., Physical & Chemical Research Lab., RCA Labs., Princeton, N.J.

 PETERKIN, ERNEST W. (S'42-A'45-M'55), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 PETERMAN, JAMES H. (S'52-A'54), Quality Control Mogr., Clevite Transistor Prods., Inc., 241 Crescent St., Waltham, Mass.

 PETERMANN, LUCIEN A. (M'54-SM'59), Research Physi-

- Mass.
 PETERMANN, LUCIEN A. (M'54-SM'59), Research Physicist. RCA Labs., Princeton, N.J.
 PETERPAUL, CHARLES A. (A'52-M'58), Specifications Engr., Raytheon Mfg. Co., Maynard, Mass.
 PETERS, ARTHUR E. (A'47-M'55), Supvy. Instr., Radar Div., Deot. Specialist Training, U.S. Army Signal Corps School, Ft. Monmouth, N.J.
- PETERS, ARTHUR L., JR. (A'3B-VA'39-SM'52), Supvy. Electronics Engr., U.S. Govt., Wright Air Development Center, Communication & Navigation Lab., Wright-Patterson AFB. Ohio.
- AFB. Ohio.

 PETERS, ARTHUR T. (A'57), Quality Control Engr., Clevite Transistor Prods., 241 Crescent, Waltham 54, Mass.

 PETERS, CHARLES J. (S'50-A'55-M'58), Engrg. Specialist, Sylvania Elec. Prods., Inc., Waltham, Mass.

 PETERS, CHARLES W. (SM'56), Nuclear Physicist, Radiation Div., Naval Research Lab., Washington 25, D.C.

 PETERS, DAN W. (S'56-M'58), Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

- Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.
 PETERS, DANIEL P. (S'57-M'59), Dev. Engr.,
 Aircraft Radio Corp., Boonton, N.J.
 PETERS, ELMER O. (A'58), SR. Mngt. Analyst, Missile &
 Space Div., Lockheed Aircraft Corp., Sunnyvale, Calif.
 PETERS, FREDERICK H. F. (A'57), Microwave Tube Prod.
 Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 PETERS, GEORGE J. (S'53-A'55), Sr. Engr., ITT Labs.,
 Nutley 10, N.J.
 PETERS, HARRY J. (M'58), Electronics Engr., Electronic
 Communication, Inc., 1830 York Rd., Timonlum, Md.
 PETERS, HOMER D.F. (M'56), Electronics Engr., Westinghouse Elec. Corp., Atomic Power Div., Pittsburgh, Pa.
 PETERS, JAMES E. (S'55-M'56), Field Engr., Western
 Electric Co., Chatham Rd., Winston-Salem, N.C.
 PETERS, JOHANNES F. (SM'53), Head, Electro-Physical

- Electric Co., Chatham Rd., Winston-Salem, N. C.
 PETERS, JOHANNES F. (SM'53), Head, Electro-Physical
 Dev. Dept., Bolkow-Entwicklungen-Kommandilgesellschaft,
 Finkenstrasse, Ottobrunni, Munchen, Germany.
 PETERS, JOHN D., JR. (A'55), Technician, Microwave
 Development Labs., 11 Michigan Dr., Natick, Mass.
 PETERS, JOHN L. (A'29-VA'39-SM'54), Research Assoc.
 Crosby Labs., Inc., Robbins Lane, Hicksville, L.I., N.Y.
 PETERS, LEO J. (A'19-VA'39-SM'50), V.P. & Assoc.
 Dir., Gulf Research & Development Co., 8ox 2038,
 Pittsburgh 20, Pa.
 PETERS, LEON JR. (S'50-A'51), Asst. Supwr., Ohio
 State Univ., Research Foundation, Columbus, Dhio.
 PETERS, MAURICE W. (M'53), Engr., Vitro Labs., 1400

- PETERS, MAURICE W. (M'53), Engr., Vitro Labs., 14000 Georgia Ave., Silver Spring, Md. PETERS, NORRIS S. (M'58), Engr., 8endix Aviation Corp., Box 1159, Kansas City 41, Mo.
- Corp., Box 1159, Kansas City 41, Mo.
 PETERS, PAUL E. (S'54-M'53), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.
 PETERS, PHILIP H., JR. (S'42-A'44-SM'57), Research Assoc., GE Research Lab., Box 1088, Schenectady 5, N.Y.
- PETERS, ROBERT C. (M'57), Mem. Tech. Staff, Space Technology Labs., 5057 Arbor Vitae, Los Angeles, Calif. PETERS, ROBERT L. (S'48-A'52-M'57), Sr. Dev. Engr., Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.
- PETERS, ROBERT R. (A'56), Service Supvr., Sylvania Elec. (Canada), Ltd., 1207 11 Ave., W., Calgary, Alta., Canada.
- PETERS, WARREN G. (S'54-A'55), 92-12 224 St., Queens 28, L.I., N.Y.
 PETEPSEN, BENT S. (A'56), Head, Tech. Group, Danish Institute for Computing Machinery, Camle Carlehorg VEJ 2, Copenhagen, Denmark
- PETERSEN, CLIFFORD C. (M'51), Sr. Engr., Reliability & Components Group, Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.
- PETERSEN, ERNEST L. (A'41-M'45), 3531 Janice St., Long Beach 5, Calif. PETERSEN, GORDON B. (A'58), 5301 Chadwick, Kansas City 3, Kan.

- PETERSEN, JACK A. (A'51), Mgr., Northeastern Regional Office, Inc., Melbourne, Fla
- PETERSEN, HENRY J. (A'54), Tech. Service Rep., RCA,
- PETERSEN, JOHN F. (M'57), Components Applications Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn.
- PETERSEN, LOREN D. (S'56-M'57), Test Equipment Engr., Hughes Aircraft Co., 2060 E. Imperial Hwy., El Segundo, Calif.
- PETERSEN, MARVIN C. (A'47-M'54), Supvr., Special Projects Sect., Base Training Aids, 3535 Navigator Training Group, USAF, Mather AFB, Calif.
 PETERSEN, MARVIN E. (S'48-A'49-M 55), Design Engr., Mineapolis-Honeywell Regulator Co., 13350 U. S. Hwy.
 19, St. Petersburg, Fla.
 PETERSEN, DHILLDR. (A'44-A-450).
- PETERSEN, PHILIP B. (A'46-M'52), Electronics Engr., U.S. Army Signal Engrg. Lab., Ft. Monmouth, N.J. PETERSEN, ROBERT L. (A'31-VA'39-M'55), Electronics Engr., Office of Industrial Mgr., U.S. Naval Sta., San Juan, Puerto Rico.
- PETERSEN, ROBERT P. (SM'50), Pres., 800z-Allen Applied Research, Inc., 430 Green Bay Rd., Kenilworth,
- PETERSEN, ROBERT R. (M'57), Chief Warrant Officer, USAF, Hors. 7th Air Div., APO 125, New York, N.Y. PETERSEN, VALDEMAR W. (M'57), Staff Instr., Naval Aviation Electronics Service Unit, NRS, Washington 20, D.C.
- D.C.

 PETERSEN, VERN L. (S'49-A'51-M'56), Transmitter Operator, Tri-City B.oadcasting Telecasting Co., 805 Brady St., Davenport, Iowa.

 PETERSEN, WILLIAM P. (A'55), Pres., Petersen Radio Co., Inc., 2800 W. Broadway, Council Bluffs, Iowa.

 PETERSEN, WILLIAM P. (S'55-M'59), Jr. Engr., 8endix Aviation Corp., Rt. 35, Eatontown, N. J.

 PETERSON, ALBERT W. (M'50-SM'56), Sect. Head, Tube Application Lab., Sylvania Elec. Prods., Inc., Emporium, Pa
- PETERSON, ALLEN M. (M'56), Asst. Prof., Elec. Engrg., Stanford Univ., Head, Special Techniques Group, Stanford Research Institute, Menio Park, Calif.
- PETERSON, ANSEL C. (S'58-M'59), Elec Engr., 8onne-ville Power Administration, 1001 N. E. Lloyd 8lvd., Portland, Ore.
- PETERSON, ARNOLD P. G. (S'34-A'38-SM'46-F'58), Engr., Genl. R. dio Co., 22 Baker Ave., West Concord, Muss.
- Muiss.
 PETERSON, ARTHUR C. (A'29-SM'44), Radio Systems
 Engr., Bell Tel. Labs., Murray Hill, N. J.
 PETERSON, CARLA. (S'50-A'51-M.55), Lab. Supvr.,
 Sylvaria Elec. Prods., Inc., 6505 E. Gayharl St.,
 Los Angeles 54, Calif.
- Los Angeles 54, Calif.

 PETERSON, CHARLES D. (S'48-A'49-M'55), Assoc. Accountman, Fensholt Advertising Agency, 360 N. Michigan Ave., Chicago 1, III.

 PETERSON, CHARLES E. (A'53-M'58), Design Engr., RCA Victor, Camden, N.J.

 PETERSON, CHARLES F. (M'52), Chief, Tropospheric Measuremants Sect., Central Radio Propagation Lab., Natl. Bureau of Standards, Boulder, Colo.

- PETERSON, CHARLES H. (A'56), Field & Service Rep., Ryan Aeronautical Co., Lindbergh Field, San Diego 12, Calif
- PETERSON, CLARENCE E. (S'51-A'52), Head, West Coast Engrg, Office, Genl, M IIs, Inc., 455 Foxen Dr., Santa Barbara, Calif.
- Santa Barbara, Call?
 PETERSON, CLARENCE J. (S'51-A'51-M'57), Jr. Engr.,
 Oalmo Victor Co., San Carlos, Calif,
 PETERSON, CLARENCE K. (A'54-M'57), Dev. Engr.,
 Genl, Mills, Mechanical Div., 615 3rd St., N.,
 Minneapolis 3, Minn.
- minneapolis 3, Minn.
 PETERSON, DARWIN A. (A'43-SM'45), Consulting Radio Engr., A. Earl Collum, Jr. Consulting Engrs., Inwood P. O., Oallas 9, Tex.
 PETERSON, DAVID M. (S'57-M'59), 3336 Cowley Way, San Oiceo 17, Calif.
- San Urego 17, Calif.
 PETERSON, DON G. (A'53-M'5B), Electronics Group
 Leader, Missiles Systems Div., Lockheed Aircraft Corp.,
 Box 504, Sunnyvale, Calif.
 PETERSON, DONALO A. (S'48-A'50-M'55), Elec. Engr.,
 Northland Utilities, Ltd., 10042 109 St., Edmonton,
 Alta., Canada.
- Alta., Canada.

 PETERSON, DONALD A. (M'58), Elec. Engr., Continental
 Electric Co., Inc., 325 Ferry St., Newark S, N.J.

 PETERSON, DONALD A. (A'55), Dev. Engr., Reconnaissance
 Lab., Sylvania Elec. Prods., Inc., Box 188, Mountain View,
 Calif.

- Calif.

 PETERSON, DONALD E. (S'54-M'56), Asst. Prof., North Dakota State College, Fargo, N.D.

 PETERSON, DONALD E. (M'56), Applications Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 PETERSON, DONALD G. (M'57), Systems Engr., RCA Govt. Service Dv., Camden 8, N.J.

 PETERSON, DONALD L. (A'55), Design Engr., Collins Radio Co., Cedar Rapids, Jowa.

 PETERSON, DONALD W. (A'43-M'55), Engr., RCA Lab., Princeton, N.J.

 PETERSON, DONALD W. (A'43-M'55), Engr., RCA Lab., Princeton, N.J.

- PETERSON, DIAED W. 43-W 37-K 1647., Chief Engr.,
 PETERSON, E. KENNETH (S'47-SM'56), Chief Engr.,
 Microwave & Industrial Control, Motorola, Inc., 1400 N.
 Cicero, Chicago, Ill.
 PETERSON, EUWARD J. (M'56), Sr. Engr., Bendix-Pacific,
 11600 Sherman Way, North Hollywood, Calif.
 PETERSON, EUGENE (M'50-SM'43-F'59), Consultant, 25
 E. 9 St., New York 37, N.Y.
 PETERSON, EUGENE F. (M'54), Mgr., Consumer Goods
 Export Dept., International GE Co., 570 Lexington Ave.,
 Lexington Ave., New York N.Y.
 PETERSON, EUGENE F., JR. (M'48), Chief, Elec.
 Power Control Systems Engrg. Group, Leeds & Northrop
 Co., 4901 Stenton Ave., Philadelphia 44, Pa.
 PETERSON, EUGENE H., JR. (S'46-A'48-M'55),

- PETERSON, EUGENE H., JR. (S¹46-A¹48-M¹55), Project Engr., GE Co., Syracuse, N.Y. PETERSON, FLOYD V. (A¹47-M¹55), Chief Engr., Peterson Engrg. Co., 20728 Ventura Blvd., Woodland Hills, Calif.
- PETERSON, FRED H. (\$'56-M'58), Base Communications Officer, USAF, Charleston AF8, S.C.

- PETERSON, GENE R. (SM'56), Mgr., Communications & Data Handling Engrg., GE Co., Syracuse, N.Y.
 PETERSON, GERALD R. (M'57), Instr., Univ. of Arizona, Tucson, Ariz.
 PETERSON, GLEN (A'31-SM'46), Pres & Chief Engr., The Magnalectric Corp., 2635 N. Iroquois, Box 600B, Tulsa 3, Okla.
- PETERSON, GORDON E. (SM'54), Dir., Speech Research Lab., & Prof. of Speech & Elec. Engrg., The Univ. of Michigan, Ann Arbor, Mich.
- PETERSON, H. PHILIP, JR. (A'54), Staff, Logical Design Sect., Div. of Sponsored Research, Lincoln Lab., MIT, Lexington 73, Mass.
- Lexington /3, Mass. PETERSON, HAROLD A. (SM'4B), Prof. & Chmn., Dept. of Elec. Engrg., Univ. of Wisconsin, Madison, Wis. PETERSON, HAROLD O. (A'22-M'31-F'41), Assoc. Lab. Dir., RCA Labs., 140 Moriches Rd., Riverhead, L.I., N.Y.
- PETERSON, HERBERT C. (A'55), Sr. Project Engr., Hoff-man Labs., 3761 S. Hill St., Los Angeles, Calif. PETERSON, HERBERT L. (A'45-SM'53), Sect. Head, Electronics Branch, Sound Div., Naval Research Lab., Washington 25, D.C.
- Washington 25, D.C.

 PETERSON, JAMES A. (S'4B-A'50), Research & Dev.
 Engr., Stoddart Aircraft Radio Co., 6644 Santa Monica
 Blvd., Hollywood 3B, Calif.
 PETERSON, JAMES W. (S'57-M'58), Dev. Engr., Motorola,
 Inc., 2710 N. Clybourn, Chicago, III.
 PETERSON, JOHN W. (S'52-A'54-M'5B), USN, U.S.
 Naval Postgraduate School, Monterey, Calif.
 PETERSON, KARL F. (A'5B), Assoc. Engr., Missile
 Div., Lockheed Aircraft, Sunnyvale, Calif.
 PETERSON, LA VON P. (M'57), Dir., Radio Engrg.
 Institute, 2610 Leavenworth, Omaha 5, Neb.
 PETERSON, LAWRENCE J. (M'44), Asst. Supt., Plant
 Engrg., Western Electric Co., 195 Broadway, New York
 7, N.Y.

- 7, N.Y.

 PETERSON, LEO E. (S'57-M'5B), Elec. Engr., Remington Rand Univac, St. Paul 16, Minn.

 PETERSON, LESTER A. (S'57-M'59), Staff Mem., Sandla Coro., Livermore, Calif.

 PETERSON, LLOYD E. (A'30-M'55), Vacuum Tube Engr., RCA Communications, Inc., Rocky Point, L.I., N.Y.

 PETERSON, LUTHER S. (S'51-A'57), Electronic Scientist, Wright-Air Development Center, Wright-Patterson AFB. Ohlo.

- AFB, Ohlo.

 PETERSON, LYNWOOD A. (S'55-A'5B), Jr. Engr.,
 Boeing Airolane Co., Seattle, Wash.

 PETERSON, MAX E. (S'56-M'5B), Elec. Engr., Semiconductor Div., Motorola, Inc., Phoenix, Ariz.

 PETERSON, NOEL C. (M'55), Sr. Dev. Engr., Sylvania
 Electric Prods., Inc., 1B91 E. 3rd St., Williamsport, Pa.

 PETERSON, NORMAN C. (S'55-M'56), Assoc. Evaluation
 Engr., Minneapolis Honeywell Regulator Co., Minneapolis,
 Minn.
- minn.
 PETERSON, NORMAN J. (A'41-M'55), GE Co., 3325
 Wilshire Blvd., Los Angeles, Calif.
 PETERSON, PETER R. (S'57-M'5B), Security Engr.,
 Dept. of State, U.S. Govt., American Embassy, New
 Delhi, India.
- PETERSON, RALPH A. (A'41-M'55), Supt., Comm-unications, Ariana Afghan Airlines, Box 76, Kabul, Afghanistan.
- PETERSON, RALPH B. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
- Bell Tel. Labs., Whippany, N.J.

 PETERSON, RALPH K. (M'55), Engr., Genl. Radio Co.,

 22 Baker Ave., West Concord, Mass.

 PETERSON, RALPH M. (A'4B-M'55), Engr., Pacific Tel.

 & Telegraph Co., 509 S.W. Oak St., Portland 4, Ore.

 PETERSON, RICHARD C. (S'52-A'55), Head, Test Equipment Dept., Sprague Electric Co., Marshall St., North Adams., Mass.
- Adams, Mass.

 PETERSON, RICHARD LYLE (S'54-M'5B), Jr. Mem. Tech. Staff, ITT Labs., 15151 Bledsoe, San Fernando, Calif.

 PETERSON, RICHARD N. (SM'59), Det. Mgr., Industrial Receiving Tube Applications, RCA, Harlson, N.J.

 PETERSON, RICHARD W. (M'5B), Elec. Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, Ill.

 PETERSON, ROBERT A. (S'41-A'41-M'46-SM'54), Leader. Design & Dev. Engrg., RCA, Moorestown, N.J.

 PETERSON, ROBERT K. (M'55), Field Engr., I.E. Robinson Co., 2120 Market St., Camp Hill, Pa.

 PETERSON, ROBERT K. (A'54-SM'5R), Chief Electronics

- son Co., 2120 Market St., Camp Hill, Pa.
 PETERSON, ROBERT K. (A'54-SM'5B), Chief Electronics
 Engr., Wiley Electronics Co., 2045 W. Cheryl Dr., Phoenix,
 Ariz.
- Ariz.

 PETERSON, ROBERT M. (M'52), Instr., DeVry Tech. Institute, 4141 W. Belmont, Chicago, Ill.

 PETERSON, ROBERT M. (S'47-A'49-M'55), Asst. Chief Engr., Stromberg-Carlson-San Diego, 1B95 Hancock, San Diego 12, Calif.

 PETERSON, ROBERT W. (A'50-M'56), Sr. Staff Engr., Hughes Aircraft Co., Culver City, Calif.

 PETERSON, ROGER E. (S'47-A'50-M'55), Engr., Jansky & Bailey, Inc., 1735 De Sales St., N.W., Washington 6, D.C.

- & Bailey, Inc., 1735 De Sales St., N.W., Washington 6, D.C.

 PETERSON, STANLEY B. (M'54), Sr. Engrg. Assoc., Colorado Research Corp., Broomfield Heights, Colo.

 PETERSON, THOMAS A., JR. (S'47-A'50-M'51-SM'55), Chief Eice. Equipment Designer, Tung-50i Electric Inc., 200 Bloomfield Ave., Bloomfield, N.J.

 PETERSON, W. WESLEY (S'49-A'52-M'58), Assoc. Prof., Univ. of Florida, Gainesville, Fla.

 PETERSON, WALTER E. (S'43-A'46-SM'50), Dir, Electronics Engrg. Div., Northrop Alrcraft, Inc., B000 Woodley Ave., Van Nuys, Callf.

 PETERSON, WENDEL LV. (S'52-A'54-M'5B), Design Engr., Thompson-Ramo-Wooldridge, Inc., 2196 Clarkwood Rd., Cleveland 3, Ohio.

 PETERSON, WESLEY G. (SM'55), Project Engr., Wells-Gardner & Co., 2701 N. Kildare Ave., Chicago 39, III.

 PETERSON, WILLIAM E. (A'47-M'55), Chief, Facilities Div., FAA, Box 16B9, Ft. Worth, Tex.

 Div., FAA, Box 16B9, Ft. Worth, Tex.

 Nortronics Co., 500 E. Orangethorpe Ave., Anaheim, Calif. PETERSON, OSKARS (S'57-M'59), Jr. Research Officer, Natl. Research Council, Montreal Rd., Ottawa, Ont., Canada.
- PETES, JOSEPH (A'47-M'55), Physicist, Naval Ordnance Lab., White Oak, Silver Spring, Md.

- PETH, ROBERT (A'53-M'5B), Asst. Chief Engr., Two-Way Radio Dev. Engrg. Dept., Motorola, Inc., 4501 Augusta Blvd., Chicago 51, III.
- Blvd., Chicago 51, III.

 PETIT, ALAN F. (S'54-M'56), Electronics Engr., U.S. Armv. 4310 N. 4 St., Arlington 3, Va.

 PETIT, AMOS H. (A'50-SM'52), Chief Scientist, Plans & Programming, Electronics Components Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 PETIT, FRANCIS W. (A'48-M'55), Chief Project Engr., The Bristol Co., Waterbury 20, Conn.

 PETIT, JOSEPH G. (A'59), Project Engr., Kintel Div., Cohu Electronics, 5725 Kearney Villa Rd., San Diego, Calif.

- PETITJEAN, ANDRE E. (A'47), Group Engr., Philco Corp., 3BT5 Fabian Way, Palo Alto, Calif. PETITT, JOHN G. (M'5B), Mathematician, Collins Radio Co., Cedar Rapids, Iowa.
- PETKOFSKY, LESTER (S'4B-A'49-M'55), Radio Engr., Evans Signal Labs., U.S. Army Signal Engrg. Labs., Belmar, N.J.

- Belmar, N. J.

 PETKOVSEK, JOHN C. (S'45-A'47-M'47-SM'52), Sr.
 Engr., Supwr. of Communications & Elec., Magnolia Petroleum Co., Beaumont, Tex.

 PETRACK PAUL (M'5B), Prod. Mgr., ITT Labs., 100
 Kingsland Rd., Clifton, N. J.

 PETRAGLIA, NICHOLAS E. (S'57-A'57), Jr. Engr.,
 Pacific Automation, 1000 Airway, Glendale 1, Calif.

 PETRAITIS, ALBERT J. (S'49-A'50-M'5B), Project
 Engr., Sylvania Elec. Prods., Inc., 75 Sylvan St.,
 Danvers, Mass.

 PETRAITIS, JOSEPH A. (A'57-M'5B), Asst. to Div. Mgr.

 PETRAITIS, JOSEPH A. (A'57-M'5B), Asst. to Div. Mgr.

- Engr., Sylvania Elec. Prods., Inc., 75 Sylvan St., Danvers, Mass.

 PETRAITIS, JOSEPH A. (A'57-M'5B), Asst. to Div. Mgr., Itek Corp., 223 Crescent St., Waltham 54, Mass.

 PETRAK, JACK R. (S'39-A'44-SM'51), Dev. Engr., Hewlett Packard Co., 275 Page Mill Rd., Palo Alto, Calif. PETRAKOS, NICHOLAS (A'51-M'57), Equipment Engr., W. L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

 PETRANEK, LILLIAN (A'50), Asst. Advertising Mgr., & Show Reservations Mgr., IRE Advertisting Dept., 72 W. 45 St., New York 36, N.Y.

 PETRASEK, ALBERT C. (SM'52), Sales Mgr., S.W. District, Applied Science Corp. of Princeton, 716 Exchange Bank Bidg., Dallas 35, Tex.

 PETRELLA, JOSEPH L. (A'5B), Electronics Engr., E.W. Bliss, 1275 Raif Rd., Canton, Ohio.

 PETRI, WALTER H., JR. (S'51-A'51-M'56-SM'59), Radar Systems Project Engr., RCA, Moorestown, N.J.

 PETRICH, LOUIS G. (A'42-M'55), Mem. Tech. Staff, Bell Tef. Labs., Whippany, N.J.

 PETRICH, RAYMOND O. (S'43-A'45-M'47), Sales Engr., Garland-Affolter Engrg. Corp., 2603 Western Ave., Seattle 1, Wash.

 PETRICDES, THRACY (A'52-SM'54), Dir., Military Systems Planning, U.S. Industries, Inc., 250 Park Ave., New York 17, N.Y.

 PETRIE, ADELORE F. (S'49-A'52-M'5B), Prod. Engr., GE Co., Auburn. N. Y.

- PETRIE, ADELORE F. (S'49-A'52-M'5B), Prod. Engr., GE Co., Auburn, N.Y. PETRIE, GEORGE W., III (SM'56), Program Mgr., Informa-tion Retrieval Systems, 590 Madison Ave., New York 22,

- N.Y.

 PETRIE, LEONARD E. (S'55-M'56), Elec. Engr., Univ.of Manitoba, Winnipeg, Man., Canada.

 PETRIK, JACK S. (A'53-M'56-5M'5B), Chief Engr., DETV, 27 & Douglas St., Omaha, Neb.

 PETRIK, JOHN (A'55), Telecommunications Operator, Dept. of Transport, 9820 107 St., Edmonton, Alta., Canada.

 PETRILLA, ANTHONY D. (M'5B), 432B Benner St., Philadelphia 24, Pa.
- Philadelphia 24, Pa.
 PETRILLO, BERNARD J. (M'5B), Staff Engr., Gen1.
 Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.
 PETRILLO, S. E. (A'42-SM'55-F'56), Oir., Engrg., U.S.
 Army Signal Engrg. Labs., Ft. Monmouth, N.J.
 PETRINA, ROBERT J. (S'49-A'50), Dev. Engr., Gen1.
 Instrument Corp., 65 Gouverneur St., Newark 4, N.Y.
 PETRINI, ALBERT A. (S'50-A'54), Engr., Dept. of
 Commerce, Bureau of The Census, Washington 25, D.C.
 PETRISHEN, JOHN (S'52-A'54), Staff Mem., Lincoln Lab.,
 Bedford, Mass.

- Bedford, Mass.

 Bedford, Mass.

 BETRITZ, GEORGE K. (A'59), Pres., Sandymac Corp., Traverse City, Mich.
- PETRITZ, RICHARD L. (A'54), Dir., Device Research Dept., Central Research Lab., Texas Instruments, Inc 312, Dallas 9, Tex.
- PETROCELLI, VINCENT (S'52-A'53-M'5B), Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

- City 1, N.Y.

 PETROPH, ARNOLD (M'5B), Assoc. Engr., IBM, Lincoln Lab.. MIT. Lexington 73, Mass.

 PETROSSIAN, GEORGE (S'53-M'55), Engr., Sperry Gyroscope Co.. Great Neck, L.I.. N.Y.

 PETROU, NICHOLAS V. (SM'52), Engrg. Mgr., Westinghouse Elec. Corp., Baltimore 3, Md.

 PETROULAKIS, STEPHEN G. (S'54-A'55), Computer Maint., Univac II, Remington Rand Univac, 315 4 Ave., New York, N.Y.
- New York, N.Y.

 PETROWSKI, JOSEPH P., JR. (S'55-M'56), Engr.,
 Bendix Systems Div., Ann Arbor, Mich.

 PETRUCCI, STEPHEN J., JR. (S'55-M'56), Engr.,
 Sylvania Eiec. Prods., Inc., Waltham, Mass.

 PETRUCCLLY, VINCENT J. (A'55-M'5B), Sect. Mgr.,
 American Machine & Foundry Co., 11 Bruce Pl., Greenwich,
 Conn.
- PETRUZZELLI, RICHARD T. (S'4B-A'50), Sect. Head, Allen B. DuMont Labs., Inc., 760 Bloomfield Ave., Clifton, N.J.
- PETRY, C.A. (A'2B-SM'44), Dir., Tech. Services, Aero-nautical Radio, Inc., 1700 K St., N.W., Washington 6, D.C. PETRY, CHARLES B. (A'45-SM'51), Tech. Advisor, Con-tract Dept., Radiophone Co., Inc., 600 E. Evergreen Ave., Monrovia, Calif.
- PETRYKANYN, JOHN (M'5B), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 PETT, LEWIS E. (M'52), Resident Engr., U.S. Army
 Signal Corps, Hughes Aircraft Co., Fullerton, Calif.
- Signal Corps, Hughes AirCraft Co., Fulletron, Call.
 PETTAI, RAOUL (S'53-A-154), Engr., RCA, 75 Varick
 St., New York 13, N.Y.
 PETTE, DONALD C. (S'50-A-151-M-156), Exec. Officer,
 USS Newell Der 322, FPO, San Francisco, Callí.
 PETTECREW, JOHN B. (S'52-A-153-M-159), Chief, Engr.,
 Menlo Park Engrg., 711 Hamilton Ave., Menlo Park, Calií.

- PETTEGROVE, GARRY G. (A'52), Equipment Maint. Man, AT&T Co., 435 W. 50 St., New York, N.Y.
 PETTENGILL, GEORGE W. (A'26-VA'39-M'48), Radio Engr., CACA, Camden, N.J.
 PETTERS, JOHN F. (A'57), Radio Engr., Owner, United Communications Service, 6360 Bryant Rd., Ludington, Mich.

- Mich.

 PETTERSEN, ERLING S. (A'53-M'5B), Field Engr.,
 Hazeltine Electronics Div., 13B Haven Ave., Port
 Washington, L.I., N.Y.

 PETTERSEN, ROBERT J. (S'50-A'52-M'57), Research
 Staff Mem., MIT Instrumentation Lab., Cambridge 39,
 Mass.
- Mass.

 PETTERSON, WILLIAM N., JR. (A'31-M'47), Elec. Engr., Design Div., U.S. Bureau of Reclamation, Commissioner's Office Bldg. 53, Denver Federal Center, Denver 25, Colo.

 PETTERUTI, ALFRED J. (S'57-M'59), Design Engr., Servo & Mechanics Group, Raytheon Mfg. Co., Wayland, Mass.

- Mass.

 PETTIIGREW, JAMES L. (S'55-M'56), Instrumentation Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis, Minn.

 PETTIJOHN, CARYL L. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 PETTIJOHN, RICHARD E. (S'54-M'57), Engr., Radiation, Inc., Box 37, Melboume, Fla.

 PETTINGILL, STUART A. (A'48-M'50), Chief, Components Branch, Electronics Div., Business & Defense Services Administration, Washington, D. C.

 PETTINGILL, STUART A. (A'48-M'50), Chief, Components Details, Stanford, D. C.

 PETTIT, JOSEPH M. (S'39-A'40-M'45-SM'46-F'54), Dean, Engrq., Stanford Univ., Stanford, Calif.

 PETTILR, OWEN F. (S'53-M'56), Test Engr., Hazeltine Electronics Div., Little Neck 62, L. I., N. Y.

 PETTLER, PETER R. (S'51-M'56), Sect. Head, Radiation.

- Electronics Div., Little Neck 62, L. I., N. Y.
 PETTLER, PETER R. (S'51-M'56), Sect. Head, Radiation,
 Inc., Melbourne, Fla.
 PETTS, R. G. (A'29-M'44), Engr. in Chg., Electronics
 Equipment Sect., Sylvania Elec. Prods., Inc., Broad St.,
 Montoursville, Pa.
- PETTUS, ROBERT (A'50), Transmitter Engr., Scripps-Howard Radio, Inc., 70BO State Rd., Parma, Ohio. PETTUS, WILLIAM W., IV (S'53-M'56), 416 Granite Ave.,

- Richmond, Va.
 PETTY, THOMAS D., JR. (M'5B), Jr. Engr., Electronics, Radiation, Inc., Melbourne, Fla.
 PETTY, WILLIE E. (M'56), Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N.M.
 PETZ, JOHN R. (S'57-A'5B), Elec. Engr., Sylvania Elec. Prods., Inc., 100 Wehrle Dr., Buffalo, N.Y.
 PETZE, CHARLES L., JR. (SM'5B), Chmm. & Pres., Delaware Research & Dev. Corp., 222 Sunset Dr., Delaire, Wilmington 3, Del.
- PETZING, ERWIN W. (A'19-VA'39-M'55), Elec. Instr., Lane Tech. School, Chicago Board of Education, 2501 W. Addison St., Chicago 1B, III.
- PEUGH, WILLIAM E. (M'56), Asst. to Pres., Hallicraîters Co., 4401 W. 5 Ave., Chicago 24, III.
 PEURIFOY, ROBERT L., JR. (S'52–A'55–M'58), Engrg. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.
 PEVERILL, WILLIAM L. (M'58), Reliability Coordinator, Canton Electric Co., 320B Humbolt St., Los Augeles 31, Calif.

- Calif.

 PEW, JOHN M. (S'50-A'55-SM'5B), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 PEYSER, PEDRO M. (S'57-A'57), Jr. Engr., Atlas Engrg. Co., 115 Halleck, Roxbury, Mass.

 PEYSER, WILLIAM P. (SM'52), Sect. Head, Airborne Instruments Lab., Walt Whitman Rd., Melville, L.1., N.Y.

 PEYTON, EVERETT E. (A'52-M'55), Elec. Engr., U.S. Army Corps of Engrs., 4735 E. Marginal Way, Seattle, Wash.

- Army Corps of Engrs., 4735 E. Marginal Way, Seattle, Wash.
 PEYTON, PHILLIP B., JR. (S'41-A'45-M'5B), Engr., U. S. Govt., Washington 25, O.C.
 PEYTON, WALTER B. (A'5B) 115-10 173 St., St. Albans 34, L.I., N.Y.
 PEZELY, STANLEY J. (M'56), Dev. Engr., Burroughs Corp., Paoli, Pa.
 PEZZA, ANTHONY T. (S'56-A'57), Electronics Engr., The Martin Co., Baltimore 3, MJ.
 PFAFF, DAVID L. (S'54-M'56), Electronics Engr., U. S. Army Signal Engrg., Labs., Ft. Mormouth, N. J.
 PFAFF, ENEST R. (M'41-SM'43), Exec. Engr., Admiral Corp., 3B00 Cortland St., Chicago 47, III.
 PFAFF, ROBERT J. (S'51-A'53-M'57), Systems Planning, IBM Research Lab., San Jose, Calif.
 PFAFF, ROBERT W. (S'45-A'4B-M'55), Dev. Project Engr., Reliance Electric & Engrg., Co., 24701 Euclid Ave., Cleveland 17, Ohio.
 PFANNENDSTIEL, DONALD A. (S'57-A'5B), 1431 W. 15 St., Davenport, Iowa.
 PFANNENDCHE, TROY E. (S'55-M'57), Field Engr., Hughes Aircraft Co., Culver City, Calif.
 PFEFER, BERNARD L. (S'44-A'45-M'49-SM'52), Sales Mgr., Countermeasure & Special Equipment, GE Co., Utica, N.Y.
 PFEFER, IRWIN (S'4B-A'50-M'55), Mem. Tech. Staff, The Paren Wooldride Corp. S'300 Abore Vita Blude.
- PFEFFER, IRWIN (S'4B-A'50-M'55), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5730 Arbor Vitae Blvd., Los Angeles 45, Calif.
- PFEFFER, PETER (M'53), Sales Engr., Bendix Internati. Div., Bendix Aviation Corp., 205 E. 42 St., New York 17, N.Y.
- PFEIFER, EDWIN (A'5B), Ruesselsheim-Main, Uthmann Str.
- 26, Germany.
 PFEIFFER, DELMAR A. (S'47-A'51-M'56), Research
 Engr., No. Amer. Avlation, Box 4007, Patrick AFB, Fla.
 PFEIFFER, HARRY F. (M'59), 810 Wedel Lane, Glenview,

- III.
 PFEIFFER, HERMAN F. (M'26), Sr. Design Engr.,
 Raytheon Mfg. Co., Wayland, Mass.
 PFEIFFER, JOHN H., JR. (A'55), Mech. Engr., GE Co.,
 Cincinnati 15, Ohio.
 PFEIFFER, PETER W. (M'5B), Project Engr., American
 Electronics, Culver City, Calif.
 PFEIFFER, WILLIAM F. (A'49), Div. Engr., Paclfic Telephone Co., 102 N. Stoneman Ave., Alhambra, Calif.
- phone Co., 102 N. Stoneman Ave., Alhambra, Calif.
 PFENDER, WILLIAM H., JR. (M'56), Test Engr., Data
 Processing, Convair-Astronautics, San Diego, Calif.
 PFENNING, ROBERT A. (M'57), Electronics Engr., Research & Dev. Lab., Guided Missile Div., Firestone Tire
 & Rubber Co., Box 1431, Monterey, Calif.

- 331 -PFE-PIC

- PFERSCH, GEORGE H., JR. (S'53-M'57), Asst., Project Engr., Eclipse-Pioneer Div., Bendix, Teterboro, N.J. PFIFFRER, HAROLD J. (S'52-A'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. PFIRMAN, WESLEY S. (S'51-A'53), Staff Engr., IBM, Poughkeepsie, N.Y.
- FISTER, GERALD H. (M'54), Design & Dev. Engr., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.
- View, Calif.

 PFISTER, RICHARD A. (M'59), Electronics Engr., Cook Research Labs., 6401 W. Oakton St., Morton Grove, III.

 PFISTER, ROBERT C. (S'50-A'51-M'56), Systems Project Engr., Emerson Electric Mfg. Co., 8100 W. Florrissant Ave., St. Louis, Mo.

 PFISTERER, FREDRICK (A'56), Engr., GE Co., Syracuse, N.

- N.Y.
 PFLEGER, KENNETH W. (SM'53), Mem. Tech. Staff, Bell
 Tel. Labs., 463 West St., New York 14, N.Y.
 PFLUEGER, WALTER W. (M'59), Publications Editor, Air
 Technical Intelligence Center, USAF, Wright-Patterson
 AFB, Ohio.

- PFOHL, JOSEPH T. (A'57), Engr., Western Electric Co., 220 Church St., New York, N.Y.

 PFOST, R. FRED (S'50-A'52-M'57), Sr. Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 FUELLER, ALVIN W. (A'54-M'56), Engr., GE Co., Syracuse, N.Y.
- Syracuse, N.Y.

 FFUND, CHARLES E. (A'44-M'55), Patent Atty., Thomas & Crickenberger, Internatl. 8ldg., Washington 4, D.C.

 FFUND, EDWARD T., JR. (M'50), Sr. Engr., Electronic Specialty Co., 5121 San Fernando Rd., Los Angeles, Calif.
- PHAGAN, ROGER J. (M'58), 22 Bea Ave., East Northport, L.I., N.Y.

- L.I., N.Y.

 PHALEN, FRANK W. (A'53-M'59), Group Engr., The Martin Co., Baltimore 3, Md.

 PHANEUF, CHARLES A. (M'54), Project Engr., Avco Mfg. Corp., 750 Commonwealth Ave., Boston 15, Mass.

 PHANOS, STEPHEN (S'51-A'53-M'58), Sr. Electronics Engr., ITT Labs., Nutley 10, N.J.

 PHARES, DEWEY P. (A'52-M'58), Sr. Dev. Engr., Goodyear Alicraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 PHARO, EDWARD W., JR. (M'53), Electronic Computer Engr., Power Generators, Inc., 600 Stokes St., Trenton 8, N.J.
- N.J. PHARO, LAWRENCE C., JR. (M'55), Research Assoc., Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa. PHATAK, R. K. (A'34-M'45-SM'49), Engr., Partner & Editor, The Radio Services, 417 Lamington Rd., Bombay 4, India.
- PHELAN, LAWRENCE T. (A'43), Partner, Woodcock & Phelan, 123 S. Broad St., Philadelphia 9, Pa. PHELPS, BYRON E. (M'45), Engr., IBM, Box 390, Poughkeepsie, N.Y.

- Poughkeepsie, N.Y.
 PHELPS, CHARLES H., JR. (M'59), Engr., ITT Labs.,
 Nutley 10, N.J.
 PHELPS, DONALD E. (S'57-A'58), Computer Engr., RCA
 Service Co., Camden, N.J.
 PHELPS, FRANCIS P. (A'42), Part-time Consultant,
 Quartz Lab., Natl. Bureau of Standards, Boulder, Colo.
- Quartz Lab., Natl. Bureau or Standards, Boulder, Colo. PHELPS, GEORGE H. (SM '55), Mgr., Carrier-Microwave Dept., Westinghouse Elec. Corp., Box 7425, 4100 Pistorio Rd., Halethorpe 27, Md. HELPS, J. FRANKLIN, JR. (S'55-M'57), Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. PHELPS, LAWRENCE I. (S'56-A'57), 11 Norway St., Boston 15, Mass.

- Boston 15, Mass.
 PHELPS, PAUL L., JR. (S'56-M'58), Electronics Engr.,
 Univ. of California Radiation Labs., Livermore, Calif.
 PHELPS, RICHARD B. (A'43-M'52), Electronics Dev.
 Engr., Genl. Instrument Corp., 65 Gouverneur St., Newark
- PHELPS, RICHARD W. (S'53-A'54-M'58), Assoc. Er Applied Physics Lab., The John Hopkins Univ., Silver Spring, Md.

- Applied Physics Lab., The John Hopkins Univ., Sirver Spring, Md.

 PHELPS, RICHARDSON, JR. (S'51-A'52), Cmdr., USN, Operations Officer, Air Development Sqdn. 1, Naval Air Sta., Key West, Fla.

 PHILACTOS, CHARLES J. (S'51-A'53-M'58), 2884 E. 195 St., Bronx 61, N.Y.

 PHILBIN, JAMES P. (M'56), Engr., Airborne Instrument Lab., Inc., 160 Old Country Rd., Mineola, L.I., N.Y.

 PHILBIN, JOHN A. (S'58-A'59), Electronics Techniclan, Martin Co., Orlando, Fla.

 PHILBIN, MICHAEL J. (S'56-M'58), Design Engr., Airborne instrument Lab., Mineola, L.I., N.Y.

 PHILBIN, STEPHEN H. (A'54), Lawyer, 20 Exchange Pl., New York 5, N.Y.

 PHILIPPS, RALPH M. (A'51-M'56), Elec. Engr., GE Co., Udica, N.Y.

 PHILIPPS, COURS E. (SM'53), Dir., Engr., & Research, Auth Electric Co., Inc., 34-20 45 St., Long Island City, N.Y.

- N.Y.
 PHILIPS, CHARLES M. (S'56-M'58), Jr. Research Engr.,
 Raytheon Mfg. Co., Waltham, Mass.
 PHILIPS, DAVID W. (S'54-M'59), Jr. Engr., Philoo
 Corp., 3875 Fabian Way, Palo Alto, Calif.
 PHILIPS, JOHN (M'56), 123 S. 16 St., Pittsburoh 3, Pa.
 PHILIPS, LEON E. (A'59), 178-15 132 Ave., Springfield Gardens, L.I., N.Y.
 PHILIPS, WILLIAM D. (M'56), Project Engr., 8endix
 Radio, Towson 4, Md.
 RADIO, N. L. (M'56, SM'58), Assec, Planging
- Radio, Towson 4, Md.

 PHILIPSON, LLOYD L. (M'56-SM'58), Assoc., Planning Research Corp., 10970 Le Conte Ave., Los Angeles, Calif.

 PHILLIMORE, HORACE R. (A'58), Dev. Engr., Genl. Instrument Corp., 65 Gouverneur St., Newark, N.J.

 PHILLIPPI, EUGENE C. (M'56), Dir., Research & Dev., Coco Cola Bottling Co., Flagstaff, Ariz.

 PHILLIPS, A. HOLLAND (A'53-M'59), District Sales Mgr., Power Tube Dept., 6E Co., 11840 W. Olympic BIVd., Los Angeles 64, Calif.

 PHILLIPS, ALAN H. (A'53). Sr. Engr., Sperry Gyrosope

- BIVI., Los Angeles 64, Calli.
 PHILLIPS, ALAN H. (A/53), Sr. Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.
 PHILLIPS, ALVIN 8. (S'50-A-1'51-M'56), Chief Engr.,
 Mesa Transistors, Motorola Semiconductor Prods. Div.,
 5005 E. McOowell Rd., Phoenix, Ariz.
 PHILLIPS, BARNET, JIII (A'50), V.P., Ad Auriema, Inc.,
 85 Broad St., New York 4, N.Y.

- PHILLIPS, BERNARD E. (SM'56), Staff Engr., The Martin Co., Baftimore 3, Md.
 PHILLIPS, CHARLES E. (S'53-A'54-M'57), Sr. Electronics Engr., Convair, 3165 Pacific Hwy., San Diego, Calif.
 PHILLIPS, CHARLES R. (M'56), Systems Project Engr., RCA, Moorestown, N. J.
 PHILLIPS, DALE E., JR. (A'51), TV Engr., Alabama Broadcasting System, Inc., WABT, Box 2553, Birmingham, Ala.
- Ala.

 PHILLIPS, EDWARD T. (S'46-A'51-M'56), Chlef, Engrg. Section, Electronics Div., Ryan Aeronautical Co., Kearny Mesa Rd., San Diego, Callí.

 PHILLIPS, EDWARD V. (S'45-A'47-M'55), Research Engr., Hughes Aircraft Co., Culver City, Callí.

 PHILLIPS, EDWNN N. (SM'58), 7662 17 Ave., N., St. Petersburg 10, Fla.

- PHILLIPS, EUGENE L., JR. (S'54-M'57), System Production Engr., IBM, Kingston, N.Y.
 PHILLIPS, FLOYD G., JR. (A'45-M'58), Design Engr., IBM, Poughkeepsie, N.Y.
 PHILLIPS, FLOYD S. (A'46-M'49), Resident Engr., Schlumberger Well Surveying Corp., 5000 Gulf Freeway, Houston, Tex.
- nausum, 1ex.
 PHILLIPS, FRED R. (M'56), Electronics Engr., Canoga Corp., 5955 Sepulveda, Van Nuys, Calif.
 PHILLIPS, GEORGE A. (S'48-A'52-M'57), Field Engr.,
 Neely Enterprises, 3939 Lankershim Blvd., North Hollywood, Calif.
- wood, Call.

 PHILLIPS, GEORGE W. (A'54), Owner, Chief Technician, George W. Phillips Radio-Television Service, 717 Briggs St., Laurinburg, N.C.

 PHILLIPS, GORDON E. (A'56), Technician, Northwest Telephone Co., 2226 W. 10 Ave., Vancouver, B.C.,

- Canada:
 PHILLIPS, GUY D. (A'50-M'55), Research Engr., Whirlpool Corp., 300 Broad St., St. Joseph 5, Mich.
 PHILLIPS, HARQLD E. (M'57), Asst. Chief Engr.,
 Oklahoma Television Corp. kWTV, Oklahoma City, Okla.
 PHILLIPS, HOWARD D. (S'56-M'58), 418 S. Elm Dr.,
 Beverly Hills, Callif.
 PHILLIPS, HOWARD W. (A'51-SM'56), Chief Engr., K'VOO,
 Southwestern Sales Corp., 3701 S. Peorla, Tulsa, Okla.
 PHILLIPS, JAMES H. (A'52), Equipment Engr., Southwestern
 Bell Tel. Co., 308 Akard St., Dallas, Tex.
 PHILLIPS, JAMES H. (M'58), Staff Mem., MIT Lincoln
 Lab., Lexington 73, Mass.
 PHILLIPS, JAMES H., JR. (M'57), Electronics Engr.,
 Group Leader, Texas Instruments, Inc., 6000 Lemmon
 Ave., Dallas 9, Tex.

- PHILLIPS, JAMES P. (S'56-M'58), Research Engr., Defense Research Lab., Univ. of Texas, 500 E. 24 St., Austin, Texas.

- Austin, Texas.
 PHILLIPS, JAMES W. (A'47), Engr., 327 Deiaware Ave., Delanco, N.J.
 PHILLIPS, JOHN E. (M'57), Electronics Communications, inc., 1501 72 St., N., St. Petersburg, Fla.
 PHILLIPS, JOHN N. (SM'53), Mgr. Engrg., Radio Receiver Dept., GE Co., Utica, N.Y.
 PHILLIPS, JOHN T. (A'54), Lt. Col., USAF Deputy Comdr., 1502nd Air Transport Group, APO 953, San Francisco, Calif.
- Francisco, Calli.
 PHILLIPS, JOSEPH (A'51-M'56), System Analyst, Grumman
 Aircraft Engrg. Corp., Bethpage, L.I., N.Y.
 PHILLIPS, JOSEPH M., JR. (S'49-A'50-M'58), Mgr.,
 Advanced Quality Control Dev., GE Co., Syracuse, N.Y.
- PHILLIPS , KENNETH G. (M'57), Engr., GE Co., Syracuse, N.Y.

 PHILLIPS , LAURENCE W. (A'57), Dev. Engr., Computing Devices of Canada, Ltd., Box 508, Ottawa, Ont., Canada. PHILLIPS , LAWRENCE D. (S'56-M'58), Ensign, USN, USS John Paul Jones (DD-932), FPO, New York, N.Y. PHILLIPS , LESTER E. (M'59), Suovr., Analog Computation, Chrysler Corn., Missile Div., Box 2628, Detroit 31, Mich. PHILLIPS , LLOYD B. U'22-A'24-M'44), Field Engr., RCA, Camden, N.J.

 PHILLIPS, MARTIN J. (M'58), Box 386, Indian River City, Fil.

 PHILLIPS, MARTIN J. (M'58), Box 386, Indian River City, Fil.

 PHILLIPS, MARTIN J. (M'58), Electronics Engr., U.S. Naval Ordnance Test Sta., China Lake, Calif.

 PHILLIPS, RALPH A. (A'54), Engr., Operel, Ave. Matamoros 1285 Pte., Torreon, Coahulla, Mexico.

 PHILLIPS, RICHARD E. (M'56), Field Engr., Tektronix, Inc., 18 Austin St., Newtonville 60, Mass.

 PHILLIPS, RICHARD E. (M'55), Field Engr., Tektronix, Inc., 18 Austin St., Newtonville 60, Mass.

 PHILLIPS, ROBERT G. (M'58), Raytheon Mig. Co., Santa Barbara, Calif.

 PHILLIPS, ROBERT A. (S'55-M'56), Instr., Milwaukee Vocational & Adult Schools, 1015 N. 6 St., Milwaukee 3, Wis.

- 3, Wis.
 PHILLIPS, ROBERT G. (A'45), Partner, Youngstown Radio Shop, 2306 Market St., Youngstown 7, Ohio.
 PHILLIPS, ROBERT L. (A'52-M'57), Staff Engr., The Martin Co., Orlando, Fla.
 PHILLIPS, ROBERT M. (A'55-M'55), Branch Head, U.S. Naval Avionics Facility, 21 & Arilington, Indianapolis 18, Ind.
- Ind.
 PHILLIPS, ROBERT M. (A'55), Research Assoc., GE Co.,
 Microwave Lab., Palo Alto, Callí.
 PHILLIPS, ROBERT R. (\$'55-M'59), Sylvania Elec. Prods.,
 Inc., Box 205, Mountain View, Callí.
 PHILLIPS, ROSCOE H. (M'51), Sta. Mgr., American Comm.
 for Liberation R. L. Network Div., Lampertheim/Hessen,
 Wildbahn, Germany.
 PHILLIPS, ROY M. (M'59), Div., Ovality Control. App.

- Wildbahn, Germany.

 PHILLIPS, ROY M. (M'59), Dir., Quality Control, Aero Geo Astro Corp., 1914 Duke St., Alexandria, Va.

 PHILLIPS, SAMUEL C. (S'49-A'50-M'56), Dir., Material, 7th Air Div., USAF, APO 125, New York, N.Y.

 PHILLIPS, STANLEY L. (A'58), Radio Technician, Communications Service Co., Box 820, Lafayette, La.

 PHILLIPS, T. A. (M'46), V.P., in Chg. of Engrg., Arizona Fublic Service Co., 501 S. 3rd Ave., Floenix, Ariz.

 PHILLIPS, THOMAS (M'57), Chief Engr., Kingsport Broadcasting Co., WRTJ-FM, Box 870, Kingsport, Tenn.
- PHILLIPS, THOMAS L. (M'51), Lab. Mgr., Raytheon Mfg. Co., Bedford, Mass.

- PHILLIPS, W. ERIC (SM'45), Dean, Faculty of Engrg., Prof. of Elec. Engrg., Univ. of Natal, King George V Ave., Durban, South Africa.

 PHILLIPS, WENDELL E., JR. (M'45-SM'53), Sect. Head, Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 PHILLIPS, WILLIAM F. (A'55-M'56), Tech. Instr., Officer's Communications Course, USAF Training Command, Scott AFB, Belleville, III.

 PHILLIPS, WILLIAM J. (S'54-A'455-M'56), Sr. Engr., The Philco Corp., 3875 Fabian Way, Palo Alto, Claif.

 PHILLIPS, WILLIS E. (A'37-VA'39-M'56), V.P. & Genl. Mgr., The Rauland Corp., 4245 N. Krox Ave., Chicago 4, III.

 PHILP, HOWARD F. (S'44-A'46), Mag. Dis. Particular.

- 4, III.

 PHILP, HOWARD F. (S'44-A'46), Mng. Dir., Bayly Engra, Ltd., Hunt St., Ajax, Ont., Canada.

 PIIILP, JOIIN L. (S'57-M'50), Assoc. Test Engr., Hughes Aircraft Co., Tucson, Ariz.

 PHILPOT, JOE W., JR. (A'52-M'55), Supvr., Avionics Design, Fairchild Aircraft Co., Hagerstown, Md.

 PHILPOTT, GUY W. (M'56), Sr. Radio Technician, Dept. Transport, Telecommunications Branch, 706 New P.O. Bidg., Winnipeg 1, Man., Canada.

 PHILPOTT, LAVERNE R. (SM'48), Electronic Countermeasures Consulting Engr., GE Co. LMED, Utica, N.Y.

 PHINIZY, ROBERT B. (M'54), V.P., Dir., Engra., PSP Engra. Co. & Induction Motors, 6058 Walker Ave., Maywood, Calif.
- wood, Calif.

 PHINNEY, EDWARD D. (M'41-SM'43), V.P. & Genl. Patent Atty., IT&T Co., 67 Broad St., New York 4, N.Y.

 PHINNEY, EDWARD S. (S54-M'56), Tech. Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.

 PHINNEY, THOMAS W. (A'47), Engrg. Sales Rep., Pivan Engrg. Co., 2820 Peterson Ave., Chicago 45, III.

 PHIPPS, ARTHUR R. (M'58), Stromberg-Carlson Co., 1400 Goodman St., Rochester 3, N.Y.

 PHIPPS, JOHN P. (S'57-M'58), Device Design Engr., Motorola Semiconductor Prods. Div., 5005 E. McDowell Rd., Phoenix, Ariz.

 PHISTER, MONTGOMERY, JR. (A'50-M'58), Dir., Engrg.,
- Rd., Phoenix, Anz.
 PHISTER, MONTGOMERY, JR. (A'50-M'58), Dir., Engrg.,
 The Thompson-Ramo-Wooldridge Prods. Co., 5500 El
 Segundo Blvd., Hardhorne, Callf.
- PHLEGAR, CARL L., JR. (A'45-M'50), Chief Engr., Rowe Industries, 1702 Wayne St., Toledo 9, Ohio. PHOTINOS, HARRY R. (S'50-A'51-M'57), Asst. Group Engr., Ryan Aeronautical Co., Kearny Mesa, San Diego 17, Calif.
- PIANTONI, GENO L. (M'55), Gen1. Mgr., The Gudeman Co., S. Main St., Terryville, Conn. PIATT, DONALD R. (SM'59), V.P., Research & Engrg., Underwood Corp., Research & Engrg. Lab., 56 Arbor St., Hartford 6, Conn.
- Hartford 6, Conn.

 PICARD, ALFREDO (A'58-M'55), Virrey Melo, 2065-50C, Buenos Aires, Argentina.

 PICARD, HANS E. (A'53-M'58), Project Engr., Power & High Voltage Div., Aerovox Corp., 740 Belleville Ave.; Visiting Lecturer, Dett., Elec. Engr., New Bedford Institute of Technology, New Bedford, Mass.

 PICCIONE, NOCHOLAS A. (S'55-M'57), 1539 Benson Ave., Brooklym 28, N.Y.

 PICCIONE, SALVATORE C. (M'59), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PICCOLINE, FALVATORE C. (M'59), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PICCOLI, PETER E. (S'50-A'52-M'58), Terrace Rd., Franklin Lakes, N.J.

 PICHAL. HERRI T. (M'48-SM'58), Project Engr., Strom-

- PICHAL, HENRI T. (M'48-SM'58), Project Engr., Strom-berg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- N.Y.
 PICHARD, LAWRENCE A. (A'51-SM'56), Procurement Head, Engra, The Bristol Co., Waterbury 20, Conn.
 PICHERT, JEROME (A'52-M'58), Engr., Amperox Electronic Co., Duffy Ave., Hicksville, L.I., N.Y.
 PICHETTO, PETER B. (A'42-M'55), Tech. Advisor, U.S. Army Signal Corps, OCSig0, Pentagon, Washington 25, D.C.
- D.C.

 D.C.

 PICK, GEORGE G. (S'51-A'53-M'56), Research Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 PICK, LAWRENCE A. (A'52-M'57), Electronics Engr., U.S. Army Signal Engrg. Labs., Ft. Monmouth, N.J.

 PICK, LUIGI M. (M'58), Chief Engr., Accion Cultural Popular, Calle 20 9'4-5, Bogota, Colombia.

 PICKAR, ARNOLD D. (M'55), Physicist, Natl. Bureau of Standards, Washington 25, D.C.

 PICKARD, JAMES B. (S'56-M'59), Design Engr., RCA, Martha Ave., Lancaster, Pa.

 PICKARD, LAWRENCE CA. (S'66-M'57), Design Engr.,

- Martha Ave., Lancaster, Pa.

 PICKARD, LAWRENCE A. (S'56-M'57), Design Engr.,
 GE Co., Syracuse, N.Y.

 PICKEL, ALAN B. (A'59), Owner, Economy T.V. & Appliance,
 1248 W. Picacho, Las Cruces, N.M.

 PICKENS, DE WITT H. (S'45-A'48-M'50-SM'53), Mgr.,
 Research & Dev., Tammen & Denison, Inc., 650 S. Clark
 St., Chicago S, III.

 PICKENS, FRANCIS T., III. (S'48-A'52-M'57), Sr. Design
 Engr., Convair, Ft. Worth, Tex.

 PICKENS, R. ANDREW (M'57), Asst. Project Engr.,
 Bendix Radio Div., Bendix Aviation Corp., Joppa Rd.,
 Towson 4, Md.

 PICKERING, JOHN N. (M'57), Canadian GE Co.. 830

- Towson 4, Md.

 PICKERING, JOHN N. (M'57), Canadian GE Co., 830
 Lansdowne Ave., Toronto 4, Ont., Canada.

 PICKERING, LANCEL A. (M'58), Sr. Mess, Woomera,
 South Australia.

 PICKERING, RICHARD F. (A'55-M'58), Dev. Engr., Collins
 Radio Co., Cedar Rapids, Jowa.

 PICKERING, RICHARD W. (5'56-M'58), Assoc. Engr.,
 Applicad Physics Lab., The Johns Hopkins Univ.,
 Sivier Spring, Md.

 PICKERING, ROMALD L. (M'58), Elec. Engr., Svivania
- Sivier Spring, Md.
 PICKERING, RONALD L. (M'58), Elec. Engr., Sylvania
 Elec. Prods., Inc., Waltham 54, Mass.
 PICKERING, THOMAS A. (A'57), Sr. Engr., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, Ill.
 PICKERING, WILLIAM H. (A'41-SM'49-F'55), Dir., Jet
 Propulsion Lab., California Institute of Technology, 4800
 Qax Grove Dr., Pasadena 3, Calif.
- PICKERT, CHARLES E. (A'46-M'55), Specialist, Standards, GE Microwave Lab., California Ave., Palo Alto, Calif. PICKETT, HARRY D. (A'59), Capt., USN, NADMC, Johnsville, Pa.
- Johnsville, Pa.

 PICKETT, J. HERBERT (M'59), Assoc. Physicist, New M≥xico
 Institute of Mining & Technology, Socorro, N. M.

 PICKETT, J. HARVEY (A'41-M'48), Chief Engr., Aerovox
 Corp., 740 Belleville Ave., New Bedford, Mass.

- PICKETT, ROBERT A. (A'56), Field Engr., Philoo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 PICKETT, ROBERT T., III (S'49-A'51-M'58), Elec. Engr., Babocok & Wilcox, Atomic Energy Energy Div., 1201
 Kemper St., Lynchburg, Va.
 PICKETT, ROSS E. (A'58), Communication-Telemetring, Central Illinois Public Service Co., 104 E. 3rd St., Beardstown, III.

- Beardstown, III.

 PICKETT, ROY N. (M'58), Electronics Engr., Radio, FAA, Box 1082, Oklahoma City, Okla.

 PICKETT, THEODORE A. (s'55-M'58), Prod. Design Engr., GE Co., ANPD, Cincinnati 15, Ohio.

 PICKHOLTZ, LAWRENCE (S'46-A'49-M'55), District Mgr., Schulmerich Electronics, Inc., Carillon Hill, Sellersville, Pa.

 PICKHOLTZ, RAYMOND L. (S'54-A'55), Sr. Engr., ITT Labs., Nutley 10, N.J.

 PICKLES, SIDNEY (A'39-SM'51), Owner, Nevada Antenna Co., Box 1126, Tonopah, Nev.

- PICKOVER, HARVEY (S'54-M'55), CW Radar Engr., RCA, Patrick AFB, Fla. PICKUS, LEON C. (A'55), Engrg. Editor & Writer, RCA, Moorestown, N.J.

- Moorestown, N.J.

 PICONE, JOHN D. (S'56), Component Dev. Engr., Electronics, American Bosch Arma Corp., Carden City, L.I., N.Y.

 PICORNELL, JOSEPH J. (S'49-A'51-M'56), V.P., Philippine Electrical Mig. Co., Manila, Philippines, PICUS, FRED (S'48-A'51-M'56), Assoc. Dev. Engr., Burroughs Corp., Research Center, Paoli, Pa.

 PIDCOCK, ROBERT E. (S'46-A'52-M'57), Project Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.

 PIEGEON, REZIN E., JR. (A'53-M'5B), Asst. Research Engr., Georgia Tech. Experiment Sta., Radar Branch, Atlanta, Ga.
- PIECHA, LEO M. (M'49), Research Engr., Tech. Staff, Hughes Research & Development Labs., Culver City,
- PIECHOTA, ANTONI (M'56), Radio Systems Engr., Canadian Nati. Telegraphs, 151 Front St., W., Toronto 1, Ont., Canada.

- Canadian Natl. Telegraphs, 151 Front St., W.,
 Toronto 1, Ont., Canada.

 PIECK, HEINZ (M'54), Design Engr., Sylvania Elec. Prods.,
 Inc., Batavia, N.Y.

 PIEL, GERARD J. (M'54), Engr., Compagnie des Machines
 Bull, Avenue Cambetta 94, Paris, France.

 PIELE, GERALD H. (M'55), Sr. Project Engr., Sperry Utah
 Engra. Lab., 322 N. 21 St., W., Salt Lake City 16, Utah.
 PIELMEIER, GEORGE R. (M'56), Asst. V.P., John I. Thomson & Co., 1118 22 St., N.W., Washington 7, D. C.
 PIENKOWSKI, EDWARD C. (S'56-A'57), Sr. Research Engr.,
 No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio.
 PIENKOWSKI, OLIVER E. (M'58), Sr. Engr., Long Range
 Fundamental Engrg., AT&T, Long Lines Dept., 138 E.
 Court St., Cincinnati 2, Ohio.

 PIEPER, GUENTER E. (SM'54), Electronics Design Engr.,
 Martin Co., Box 179, Denver 1, Colo.

 PIEPER, RICHARD P. (S'52-A'55-M'57-SM'59), Mem.

- Martin Co., Box 179, Denver 1, Colo.
 PIEPER, RICHARD P. (S'52-A'55-M'57-SM'59), Mem.
 Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 PIEPHO, JOHN B. (S'56-A'56), Quality Assurance Technician,
 GE Co., LMED, Ultica, N.Y.
 PEIPLOW, HANSWERNER (SM'57), Entwicklingsleiter fur
 Tonkand-U. Diktiergerate, Grundig Radio Werke, Kurfurstenstr. Furth Bavaria, Germany.
- tenstr. Furn Bayaria, Lemany.
 PIERANTONI, FERRANTONI, C (S'57-M'5B), Researcher, Scuola di Specializzaxione Inegneria Nucleare, Via Imerio 46, Bologna, Italy.
 PIERCE, ANTHONY J. (S'49-A 50-M'5B), District Engrg. Mgr., Crossley Associates, 842 Raymond Ave., St. Paul 14, Minn.
- PIERCE, CAMERON G. (S'41-A'43-M'44-SM'54), Pres., Ling Electronics, Inc., 9937 W. Jefferson Blvd., Culver City, Calif.

- City, Calif.

 PIERCE, CHAD B. (M'50), V.P., Engrg., Wells Gardner & Co., 2701 N. Kildare, Chicago 39, III.

 PIERCE, CHARLES C. (5'57-M'59), Electronics Engr., U.S. Naval Ordnance Lab., Code 74, Corona, Calif.

 PIERCE, CHARLES H. (M'4B), Systems Design Engr., Collins Radio Co., Cedar Rapids, Iowa.

- PIERCE, CHARLES H. (M*97), Systems Design Engr., Collins Radio Co., Cedar Rapids, Iowa.

 PIERCE, DAVID C. (M*57), Electronic Scientist, Rome Air Development Center, Rome, N.Y.,

 PIERCE, DAVID H. (S'53-M*56), Prod. Engr., Bomac Labs., Inc., Salem Rd., Beverly, Mass.

 PIERCE, DONALD E. (A'54), Sales Mingt., Brush Electronics Co., 3405 Perkins Ave., Cleveland 14, Ohio.

 PIERCE, DONALD E. (S'50-A'54), Elec. Engr., RCA, Camden, N.J.

 PIERCE, E. RICHARD (A'45-M'55), Mgr., The Trading Union, Inc., Petersburg, Alaska.

 PIERCE, EDWARD W. (S'48-A'49-M'55), Mgr., Kaiser Aircraft & Electronics Corp., Box 437, Toledo 1, Ohio.

 PIERCE, EDWIN P. (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Tucson, Ariz.

 PIERCE, GEORGE B. (A'56), New England Mgr., Instrument Sales, Allen B DuMont Labs., Inc., 272 Centre St., Newton 58, Mass.
- PIERCE, JOHN A. (SM 45-F 47), Sr. Research Fellow in Applied Physics, Cruft Lab., Harvard Univ., Cambridge 38,
- PIERCE, JOHN A. (S'54-A'55), Design & Dev. Engr., RCA,

- Camden, N.J.
 PIERCE, JOHN F. (A'46-SM'50), Prof., Elec. Engrg., Univ. of Tennessee, Knoxville, Tenn.
 PIERCE, JOHN L. (S'42-A'45-M'55), Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.
 PIERCE, JOHN N. (M'58), Electronics Scientist, USAF, Air Force Cambridge Research Center, Bedford, Mass.
- PIERCE, JOHN R. (S'35-A'38-SM'46-F'48), Dir., Research Communications Principles, Bell Tel. Labs., Murray Hill, N.J.
- PIERCE, JOHN R. (A'50-M'56), Design Engr., Boeing Air-plane Co., Box 97, Melbourne, Fla.
- PIERCE, KENNETH W. (S'56-M'58), 13730 Gardenland, Bellflower, Calif. PIERCE, MAX E. (A'49-M'55), Chief Engr., Sioux Falls Broadcasting Association, Inc., 317 S. Phillips Ave., Sioux Falls, S.D.
- PIERCE, OLIVER B. (A'44), Sr. Engr., Research Div., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- PIERCE, RICHARD L. (S'4B-A'49-M'55), Asst. Dir., Trionics Corp., Box 548, Madison 1, Wis PIERCE, ROGER J. (S'40-A'40-SM'49), Group Head, Collins Radio Co., Cedar Rapids, Iowa.
 PIERCE, WAYNE R. (A'57), Photographic Engr., Pako Corp., 1010 N. Lyndale, Minneapolis, Minn. PIERCE, WILLIAM B. (S'58-M'59), Engr., Princeton Univ.,
- Princeton, N.J.

 PIERCE, WILLIAM L. (S'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whipparry, N.J.

 PIERCE, WILLIS E. (A'50-SM'56), Tech. Asst. to Factory Mgr., Pitotless Aircraft Div., Boeing Airplane Co., Box 3925, Seattle 24, Wash.
- PIERESON, RAYMOND G. (M'58), Research Engr., California Institute of Technology, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif. PIERI, ALESSANDRO (A'57), Tech. Dir., Silverstar, Ltd.,
- Milano, Italy.

 PIERS ON, ANDREW L., III. (S'43-A'46-M'55), Research
 Geophysicist, Humble Oil & Refining Co., Houston Research
 Center, Box 2180, Houston I, Tex.

 PIERS ON, CARL D., JR. (SM'48), Mgr., Systems Dept.,
 Martin Co., Orlando, Fla.

- Martin Co., Ordando, Fila.
 PIERSON, DONALD N. (S'57-M'59), Engr., Research, Autonetics, Div. of No. Amer. Aviation, Downey, Calif.
 PIERSON, ISRAEL S. (4'31-VA'39-M'55), Radio Engr.,
 Stackpole Carton Co., 201 Tannery St., Saint Marys, Pa.
 PIERSON, JAMES E. (A'47-M'55), Supvr., Electronics Unit
 of Advance Design, No. Amer. Aviation, Los Angeles 45,

- Calir.

 PIERSON, JOHN L. (A'54), Elec. Engr., RCA, Geni. Del.,
 White Sands Proving Ground, N.M.

 PIERSON, KARL E. (SM'57), Chief Engr., Automation Electronics, 1500 Vardugo, Burbank, Calif.

 PIERZCHALA, LEONARD C. (M'54), Dir., Field Engr., Kimble Glass Co., Subsidiary of Owens-Illinois, 711 Southwood
 Ave., Columbus, Ohio.
- Äve., Columbus, Öhio.
 PIETENPOL, WILLIAM J. (M'52-SM'58), V.P., Semiconductor Div., Sylvania Elec. Prods., Inc., Woburn, Mass.
 PIETRAFESA, DANIEL (S'53-A'53), Technician, 408 Niagara St., Ut.ca, N.Y.
 PIETRANTONIO, FRANK V. (S'57-M'59), Engr., Western Electric Co., 100 Central Ave., Keamy, N.J.
 PIETRAS, CHESTER M. (S'54-M'57), Project Mgr., Magnetic Tape Adapter Unit, IBM, Poughkeepsie, N.Y.
- PIETRUSZYNSKI, LEONARD J. (M'58), Test Planning Engr., Western Electric Co., Inc., Marion & Vine Sts., Laureldale, Pa.
- PIETRZYBA, GERARD J. M. (M'58), Electronics Engr., Elec. Testing Labs., 2 East End Ave., New York 21, N.Y. PIETY, ELBERT W. (SM'46), Chief Radiation Reconnais-sance Branch, Aerial Reconnaissance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- PIETY, EUGENE A. (A'50-M'55), Electronics Engr., Box 6394, Honolulu 18, Hawaii; Mfrs'. Rep., 2030 Home Rule St., Honolulu 17, Hawaii.
- PIETY, RAYMOND G. (A'27-VA'39-M'55), Chief, Geo-physics Sect., Research Dept., Phillips Petroleum Co., physics Sect., Res Bartlesville, Okla
- PIFER, MARION J. (A'40-SM'53), Engrg. Mgr., TV Design, Sylvania Elec. Prods., Inc., 254 Ramo St., Buffalo 21, N.Y.

- N.Y.

 PIFER, PETER M., (S'5B-M'59), Mgr., Electronic Dept., Antlab, Inc., Worthington, Ohio.

 PIGG, JAY C., (M'53), Physicist, Union Carbide Nuclear Co., Oak Ridge, Natl. Lab., Oak Ridge, Tenn.

 PIGHI, LOUIS H., (S'51-A'53-M'57), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 PIGNATARO, FRED P., (M'53), Supyr., Engrg. Model Lab., Fairchild Guided Missile Div., Wyandanch, L.I., N.Y.

 PIGNATARO, JOSEPH A., (M'59), U. S. Army Garrison, Ft. Hamilton, Brooklyn 9, N.Y.

 PIGOTT, WILLIAM H., (S'54-M'56), Asst., Engr., The Pacific Telephone & Telegraph Co., 1200 3rd Ave., Seattle 4, Wash.

- Pacific Telephone & Telegraph Co., 1200 3rd Ave., Seattle 4, Wash.

 PIGOZZI, LEO J. (S'49-A'52-M'57), Partner, Wagner & Pigozzi, 465 25 st., Oakland 12, Calif.

 PIHEL, LUCIEN J. (A'56), Engr., Hose-McCann Telephone Co., Inc., 761 3rd Ave., Brooklyn 32, N.Y.

 PIHL, GEORGE E. (A'41-SM'55), Pres., Acton Labs., Inc., Main St., Acton, Mass.

 PIHL, ROBERT L. (S'52-A'53), Field Engr., Engrg. & Research Corp., Box 209, Hyattsville, Md.

 PIIBE, REIN (S'55-M'57), Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P. Q., Canada.

 PIINI, ERNEST W. (S'56-M'59), Assoc., Engr., Convair-Astronautics, San Diego, Calif.

 PIIP, ANTS T. (A'46-SM'57), Mem. Tech., Staff, Research Engr., RCA Labs., Princeton, N.J.

 PIIRAINEN, CARLA. (S'57-M'59), Field Engr., Hughes Aircraft Co., Culver City, Calif.

 PIKE, ARTHUR L. (S'47-A'53-M'57), Asst. Prof., Elec. Engrg., Tufts College, Hooper Lab., Medford 55, Mass.

 PIKE, BEUHRING W. (S'43-A'44-M'48-SM'54), Research Engr., Aeronautical Instrumentation, Planning Range Instrumentation Systems, Pacific Missile Range, Point Mugu, Calif.

 PIKE, ERLE H. (M'57), Chief Engr., Det 1 GEEIA (AIRCOM), USAF, Andrews AFB, Md.

 (AIRCOM), USAF, Andrews AFB, Md.
- PIKE, GEORGE W. (A'54), Process Engr., RCA, Harrison,
- Naval Air Missile Test Center, Point Mugu, Calif, PIKE, NAVAl Air Missile Test Center, Point Mugu, Calif, PIKE, NEAL (S'51-A'54), Mem. of Staff, Bell Tel, Labs., Murray Hill, N. J.
- Murray Hill, N. J.

 PIKE, ROBERT W. (M'57), Assoc. Physicist, Clevite Transistor Prods., 241 Crescent St., Waltham, Mass.

 PIKE, WALTER N. (J'37-A'40-M'49), Chief, Data Processing & Display Branch, FAA, Bu. R&D, Washington 25, D.C.

 PILCHER, RONALD M. (S'50-A'51-M'57), Engr., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 PILE, DONALD H. (A'40-M'47-SM'55), Asst. Project Engr., Convair Div., Pomona, Calif.

 PILKINGTON, OAVID W. (M'56), Asst. Purch. Agent, Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 PILKINGTON, EARL J. (A'26-W'39), Electronics Engr., Boston Naval Shipyard, Chelsea, Boston, Mass.

- PILKINGTON, ROY R. (S'56-M'58), Elec, Engr., Crosley Oiv., AVCO, 1329 Arlington St., Cincinnati 25, Ohio. PILKINGTON, WILLIAM C. (SM'5B), Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.

 PILLER, S. EDWIN (A'4B-M'55), Radio Engr., NBC, 30 Rockefeller Plaza, New York 20, N. Y.

 PILLER, SAMUEL (SM'59), Dir., Engrg., The Astatic Corp., Box 120, Conneaut, Ohio.

 PILLING, LINCOLN H. (S'57-M'5B), Lear, Inc., Box 60, Boeing Field, Seattle B, Wash.

 PILLINGER, LEONARD (S'50-A'51-M'5B), Dir., Engrg. Data, Dynamic Electronics-New York, Inc., 87-46 123 St., Richmond Hill, L.I., N.Y.

 PILLSBURY, ALBERT F...JR. (S'50-A'52-M'57), Mgr.,

- St., Richmond Hill, L.I., N.Y.
 PILLSBURY, ALBERT F., JR. (S'50-A'52-M'57), Mgr.,
 Magnetic Head Engrg, Unit, Ampex Corp., 934 Charter
 St., Redwood City, Calif.
 PILNICK, CARL (A'54-M'55-SM'57), Staff Engrg, Mgr.,
 Consolidated Avionics Corp., 800 Shames Dr., Westbury,
 L., N. N.
 PILOTY, HANS J. (SM'56), Prof., Technische Hochschule
 Munchen, 21 Arcis Str., Munich, Germany.
 PILOTY, ROBERT (M'55), Systems Engr., Data Processing, Standard Elektrik AG, Informatikwerk, HellmuthHirth-Str., 42, Stuttgart, Zuffenhausen, Germany.
 PILTZ, FRANKLIN (S'49-A'50). Engrg. Designer, Boeing

- PILTZ, FRANKLIN (S'49-A'50), Engro, Designer, Boeing Airplane Co., Pilotless Aircraft Div., Seattle, Wash, PIMENOFF, VLADIMIR J. (S'43-A'49-M'56), Instr., in Radio Theory, Communications School, HMCS, Cornwallis, N.S., Canada.
- PINASCO, SANTIAGO F. (S'49-A'51-M'57), Jefe del Departamento de Electronica, Comision Nacional de la Energia Atomica, Av. Libertador General San Martin B250,
- Buenos Aires, Argentina .

 PINCIROLI, ANDREA (S'37-SM'53), Dr., Ins. Elet.
 Nazionale, Galileo Ferraris, Corso Massimo D'Azeglie,
 Torino, Italy.

 PINCKERNELL, HARRY (M'57), Mem. Tech. Staff, Space
 Technology Labs., 5057 Arbor Vitae, Los Angeles 45,
 Calif.
- PINCKNEY, CHARLES B. (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. PINCKNEY, KENNETH R. (A'59), Sr. Research Specialist, Marquardt Aircraft Co., 16555 Saticoy St., Van Nuys, Calif.
- Calif
 PINCKNEY, ROBERT P. (M'58), Research Engr., 114
 Chilton St., Cambridge 38, Mass.
 PINCOFFS, PETER H. (M'57), Sr. Engr., Westinghouse
 Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.
 PINCOMBE, AL (A'58), Tech. Research Editor, RCA Service Co., Camden, N. J.
 PINCUS, LEONARD (S'44-A'46-M'52), Sr. Staff Engr.,
 Hughes Aircraft Corp., Culver City, Calif.
 PINCUS, MILTON (M'52), Sr. Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.
 PINCUS, RALPH M. (S'53-A'54), Staff Mem., Genl. Precision Labs., 63 Bedford Rd., Pleasantville, N.Y.
 PINCUS, ROBERT B. (S'55-M'57). Engr. Litton Indus-

- cision Labs., 6.3 Bedford Rd., Pleasantville, N.Y.
 PINCUS, ROBERT B. (5'55-M'57), Engr., Litton Industries, 5009 Calvert Rd., College Park, Md.
 PINCUS, SAUL (S'49-A'52-M'56), Electronics Engr.,
 Natl. Security Agency, Washington 25, D.C.
 PINCZOWER, HENRY J. (S'54-A'54-M'57), Sr. Engr.,
 Librascope, Inc., 808 Western Ave., Glendale 1, Calif.
 PINE, CECIL C. (A'43-M'47), Engrg., Facilities Supvr.,
 Sperry Phoenix Co., Phoenix, Ariz.
 PINE, THOMAS G. (S'50-A'51-M'55), Electronic Scientist,
 USN Electronics Lab., San Diego 52, Calif.
 PINEL, ARTHUR F. (A'5B), Supvy, Elec. Inspector (Con-
- PINEL, ARTHUR F. (A'5B), Supvy. Elec. Inspector (Construction) District Public Works Office, 1st Naval Dist. USN, 495 Summer St., Boston 10, Mass.

 PINEO, VICTOR C. (A'54), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 PINGEL, NATHAN D. (S'50-A'51-M'56), Supvy. Genl. Engr., Wright-Patterson AFB, Ohio.

- Engr., Wright-Patterson AFB, Unio.
 PINHEIRO, UBIRAJARA B. (A'57), Genl, encharger, Maintenancy & Installation, Companhia Radio Internacional do Brasil, Av. Rio Branco 09/101 Rio De Laneiro, Brasil.
 PINKERTON, DAVID C. (S'38-A'41-M'46-SM'47), Mgr., Advance Engrg., Communication Prods. Dept., GE Co., Syracuse, N.Y.
- PINKHAM, GILBERT E. (S'50-A'51-M'56), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y. PINKNEY, J.L. (A'29), Pinkney's Radio Service, 9 Duncan St., San Francisco 10, Calif. PINKOWSKI, DENNIS S. (M'59), Sr. Project Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III. PINKSTAFF, JACK R. (A'55), Elec. Design Engr., GE Co., Schenectady, N.Y.
- Schenectady, N.Y.

 PINKSTON, JAMES C., III (M'56), Electronics Engr.,
 Corning Glass Works, Corning, N.Y.
- Coming Glass Works, Coming, N.Y.

 PINELL, JOHN E. (M'52), V.P., Pylon Electronics Development Co., Ltd., 161 Clement St., Ville Lasalle, Montreal 32, P. Q., Canada.

 PINNELL, ROY M. (A'57), Project Engr., Knight Electronics, 210 S. Des Plaines St., Chicago 6, III.

 PINNELL, STANLEY E. A. (M'52), Pres., Pylon Electronic Development Co., Ltd., 161 Clement St., Montreal 32 P. Q., Canada.

 PINNOW ROY I. (A'46-M'55), Flect, Test Equipment
- PINNOW, ROY L. (A'46-M'55), Elec. Test Equipment Engr., Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee
- 1, Wis.

 PINO, JOHN P. (A'43-A'48-M'55), Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 PINOL, DON G. (A'55-M'56), System Engr., Harper Engrg. Co., 2320 Michigan, Santa Monica, Calif.

 PINOLINI, FRANCO (M'56), Head, Electronics Dev. Center, Fiat, S.P.A., Cs. G. Agmelli 200, Torlno, Italy.

 PINSKY, BERNARD N. (A'51), Electronics Field Engr., RCA Service Co., Camden 8, N.J.

 PINSKY, CARL (S'52-A'55), Research Asst., Dept. of Physiology, McGill Univ., Montreal, P. Q., Canada.

 PINSKY, DONALD D. (A'59). Research Analyst. Norden Div.
- PINSKY, DONALD D. (A'59), Research Analyst, Norden Div., United Aircraft Corp., 13210 Crenshaw Blvd., Gardena, Calif.
- PINSLY, ARNOLO L. (SM'58), Project Engr., IBM, Kingston, N.Y.
- INSON, JOHN C. (S'51-M'58), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. PINTELL, ROBERT H. (SM'50), Pres., Interelectronics Corn., 2432 Grand Concourse, New York 58, N.Y.
- PINTER, PAUL J. (M'54), Chief Engr., Wickes Engrg. & Construction Co., 12 St. & Ferry Ave., Camden 4, N.J.

- PINTO GUEDES, HELIO O. (M'56), Prof., Escola Tecnica do Exercito, Praca General Tiburcio, Praia Vermelha, Rio de

- do Exercito, Praca General Tiburcio, Praia Vermelha, Rio de Janerio, Brazil.

 PINTO, MARIO A. (S'54-A'55), Project Leader, Special Endra, Prods. Div., IBM, Poughkeepsie, N.Y.

 PINTO, RICHARD C. (M'56), Design Engr., RCA Semiconductor Div., Rte. 202, Somerville, N.J.

 PINZ, BENJAMIN M. (A'54), Pres., Benjay Associates, Inc., 521 S. 5 Ave., Mt. Vermon, N.Y.

 PIONKOWSDI, EDWIN F. (M'54), Sales Application Engr., Sprague Electric Co., 5942 W. Montrose, Chicago 34, III.

 PIONTEK, THOMAS A. (S'58-A'59), Pvt., U.S. Army, Home: 3771 S.17 St., Milwaukee 15, Wis.

 PIONTKOWSKI, JOHN S. (A'52-M'58), Systems Engr., Tele-Dynamics, Inc., 50 & Parkside Ave., Philadelphia, Pa.

 PIORE, EMANUEL R. (A'38-M'42-SM'43-F'50), Dir., Research, IBM, 590 Madison Ave., New York 22, N.Y.

 PIOTRASCHKE, CHARLES F. (M'51), Instr., Rochester Institute of Technology, 65 Plymouth Ave., S., Rochester 8, N.Y.

- 8, N.Y.

 PIOTT, CHESTER J. (M'59), Sr. Assoc. Field Engr., Collins Radio Co., Cedar Rapids, Iowa.

 PIPE, GORDON E. (A'6-M'55), Mgr., Quality Control, Philips Electronics Industries, Ltd., 116 Vanderhoof Rd., Toronto 17, Ont., Canada.

 PIPER, CHARLES A. (SM'48), Mgr., Applied Mathematics, Bendix Computer Div., 5630 Arbor Vitae St., Los Angeles 45, Calif.

- 45, Calif.

 PIPER, ENGLISH (S'50-A'51-M'56), Group Engr., Boeing Airplane Co., Wichita, Kan.

 PIPES, CLARENCE P. (A'53), Group Leader, Motorola, Inc., 4501 Augusta Bivd., Chicago 51, III.

 PIPES, LOUIS A. (M'52-SM'54-F'58), Prof., Engrg., Univ. of California, Los Angeles 24, Calif.

 PIPHER, ROBERT W. (S'48-A'50-SM'57), Capt., Tech. Staff Officer, Air Force Ballistic Missile Div., Arbor Vitae, Los Angeles, Calif.
- PIPKIN, JOSEPH E. (M'51), Mem. Tech. Staff, Martin Co., Baltimore 3, Md.
- PIPKORN, JUSTIN H. (A'57), Assoc. Engr., IBM, Owego,
- PIPLAI, AMALENDU (A'59), Technician, Dept. of Physics, Jadaupur Univ., Calcutta 32, India. PIPPENGER, CLARENCE R. (M'50), Dir., Prod. Planning, Monarch Marking Systems Co., 216 S. Torrence, Dayton 3, Ohlo.
- Unio.
 PIPPENGER, DALE E. (A'56), Assoc. Engrg. Technician, Texas Instruments, Inc., Central Expressway, Dallas, Tex. PIPPIN, JOHN E. (S'50-M'58), Sr. Staff Engr-, Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla. PIPPIN, REGINALD F., JR. (M'55), Patent Atty., Deering Milliken Research Corn., Box 1927, Spartanburg, S.C.
- Milliken Research Corp., Box 1927, Spartanburg, S.C.
 PIPPIN, THOMAS M., JR. (M'59), Systems Design Engr.,
 Chance Vought Aircraft, Inc., Box 5907, Dallas, Tex.
 PIRART, MARCEL A. (A:53-M'57), Electronics Engr. in
 Chg., Electronics Lab., Fisheries Research Board of Canada,
 Biological Sta., Nanaimo, B.C., Canada.
- PIRES, MANUEL D. (4.758), Asst. Engr., Koko Head Radio Sta., RCA Communications, Inc., 525 Lunalilo Home Rd., Honolulu 16, Hawaii.

 PIRIE, FLOYD E. (4.752–M'57), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 PIRONE, CARMINE (M'50), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- PIROUMIAN, MAURICE A. (M'55), Engrg. Group Supvr., Caltech Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena 3, Calif.

- Pasadena 3, Calif.

 PISCATELLO, DANIEL J. (A'53), Dev. & Research Engr., U.S. Army (Signal Equipment Maint. & Repair Officer). Home: Rt. 2, Box 180, Leesville, La.

 PISCHEL, EUGENE F. (S'44-M-49-SM'52), Mgr., Flight Test Evaluation Tech. Staff, Lockheed Missiles Systems Div., Vandenberg AFB, Calif.

 PISKOR, JOSEPH (S'48-A'50-M'55), Research Engr., United Aircraft Corp., Silver Lane, East Hartford 8, Conn. PISPEKY, STEVE (S'56-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 PITINSKY, JOHIS (M'53), Pres., Dayton Aviation Radio
- Tel. Labs., Murray Hill, N.J.,
 PITINSKY, LOUIS (M'53), Pres., Dayton Aviation Radio & Equipment Co., Vandalia, Ohio.
 PITKIN, RAY S. (M'57), Electronics Engr., Convair-Astronautics, San Diego, Calif.
 PITKOWSKY, STANLEY (M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.

- PITKOWSKY, STANLEY (M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.

 PITLIK, HILLEL (S'51-A'52-M'56), Project Mgr., Telecommunications Engrg. Deat., Stromberg-Carlson Co., 100 Carlson Rd., Rochester, N.Y.

 PITMAN, DAVID A. (M'51), Sales Dir., Electronic Instruments, Ltd., Richmond, Surrey, England.

 PITMAN, GEORGE R., JR. (M'55), Staff Consultant, Kett Tech. Center, Inc., Pompano Beach, Fla.

 PITMAN, JAMES E. (S'49-A'49-M'55), Commercial Engr., Microwave Prod. Planning, GE Co., Syracuse, N.Y.

 PITRE, VICTOR H. (A'56), 3216 Barker Ave., New York 67, N.Y.

 PITRELLI, FRANK J. (A'54), Quarternan Electronics, New York Naval Shipyard, Brooklyn 1, N.Y.

 PITSENBARGER, GENE A. (S'55-M'57), Elec. Engr., 123 N. Whisman, Mountain View, Calif.

 PITSENBERGER, JOHN W. (A'55), Physicist, Special Projects Office Bureau Ordnance, Dept. of Navy, Washington 25, D.C.

 PITT, CALVIN J. (A'46-M'55), Electronics Engr., USN

- 25, D.C.

 PITT, CALVIN J. (A'46-M'55), Electronics Engr., USN Electronics Lab., San Diego 52, Callíf.

 PITT, GARRY E. (S'53-A'54), Engr., Northrop Aircraft, Inc., 1001 E. Broadway, Hawkhome, Callíf.

 PITT, PAULE. (S'54-A'56), Electronics Design Engr., Duncan Electric Co., Inc., 52 Bypass, Lafayette, Ind. PITTA, CABRIEL G. (S'52-A'54), Rep., Hughes Aircraft Co., Culver City, Callíf.

 PITTARD, FLOYD L. (A'47-M'55), Div. Plant Mgr., Pacific Tel. & Telegraph Co., 509 S. W. Oak St., Portland 4, Ore.
- PITTARD, GILMER S., JR. (S'56-M'56), Electronics Engr., Nati. Security Agency, Ft. Meade, Md.
- PITTENGER, ARTHUR W. (A'4B-M'54), Technician, Ferris Instrument Co., 110 Cornelia St., Boonton, N.J. PITTENGER, RICHARD D. (M'5B), Elec. Engr., Century Electronics & Instruments, Inc., 1333 N. Utica, Tulsa 10, Okla.

- PITTENGER, RONALD C. (A'52), Sales Mgr., Quan-Tech Labs., 236 Mount Kemble Ave., Morristown, N. J. PITTMAN, PAUL F. (S'51-M'57), Supya, Engr., Westinghouse Elec. Corp., 7325 Penn Ave., Pittsburgh 8, Pa. PITTMAN, PENDELL, JR. (M'56), Fleid Engr., Earl Lipscomb Associates, Box 7084, Dallas 9, Tex. PITTMAN, ROBERT R. (M'55), Project Engr., Southwestern Industrial Electronics Co., Houston, Tex. PITTS, FRED T. (S'58-M'59), Asst. Engro. Writer, Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md. PITTS, HENRY L. (M'32-SM'54), Rear Adm., Retired. 1138 Hayward Ave., Brementon, Wash. 191TS, JOHN E., JR. (M'58), St. Engrg., Writer, Publications Dept., Lenkurt Electric Co., 1105 Old County Rd., San Carlos, Calif.
 PITTS, KENNETH J. (S'56-M'58), Electronics Engr., Convair-Astronautics, 5001 Kearney Villa Rd., San Diego 11, Calif.
 PITTS, WRELIN J. (A'48), Transmitter Supvr., WSAZ-TV, 201 9 St., Huntington W. Va.
 PITTS, WILLIAM C., JR. (M'56), Reliability Engr., Chance-Vought Aircraft, Box 5907, Dallas, Tex.
 PITTS, WILLIAM J. (A'47-M'55), Selemens Edison Swan, Ltd., Brimsdown, Midx., England.
 PITTS, WILLIAM L. (SM'56), Asst. Chief Engr., Curtiss-Wight Corp., Box J 10, Princeton, N.J.
 PITTSLEY, EARL L. (A'44-M'49), Tech. Specialist, GE Co., Johnson City, N.Y.
 PITZER, HENRY B., JR. (M'57-M'55), Electronics Engr., The Potomac Edison Co., 55 E. Washington St., Hagerstown, Md.

- Hagerstown, Md.

 PITZER, ROBERT L. (S'40-A'40-M'55), Electronics
 Consultant, Edcliff instruments, 1711 S. Mountain Ave.,
 Morrovia, Calif.
 PIVAN, DAVID B. (S'47-A'49-M'51-SM'58), Pres.,
 Pivan Engra. Co., 2820 Peterson Ave., Chicago 45, III.
 PIVNIK, SHELDON I. (A'53), Asst. Elec. Engr., New York
 City Transit Authority, Home: 124 E. 43 St., Brooklyn
 3, N.Y.
- PIWINSKI, WALTER (M'59), Research Engr., Fairchild Com. τα & Instrument Corp., 5,0535εt, L.I., N.Y. PIWNICA, WILLIAM M. (S'56-M'59), Design Engr., GE Co., Schenectady, N.Y. PIWONKA, WILLIAM G. (A'52-M'56), V.P., Pioneer Electronic Supply Co., 2115 Prospect Ave., Cleveland
- PIXLEY , NELSONS . , JR . (M'55) , Mem . Tech . Staff , Space Technology Labs . , 5730 Arbor Vitae St . , Los Angeles 45 , Calif .

- Space Technology Labs., 5730 Arbor Vitae St., Los Angeles 45, Calif.
 PIXTON, JERRY R. (S'54-M'57), Lt., Electronics Engr., USAF, APO 332, New York, N.Y.
 PIZZICARA, DONALD J. (A'54), Section Head for Electronics Dev., Sperry Gyroscope Com., Great Neck, L.I., N.Y.
 PIZZICARA, DONALD J. (A'52), Transformer Designer, Kearfott Co., 1500 Main Ave., Clifton, N.J.
 PIZZIRUSSO, ANTHONY J. (S'54-M'56), Design Engr., Burrough Scom., 67 35 St., Brooklym 32, N.Y.
 PIZZULLI, DOMINICK (S'56-M'59), Sr. Test Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
 PIZZUTI, ANGELO D. (A'56), Sr. Electronics Engr., Convair, Box 1011, Pomona, Calif.
 PIZZUTI, FRANK D. (A'45-M'47), Staff Engr., Radar Div., Genl Precision Lab., Inc., Pleasantville, N.Y.
 PIZZUTIELLO, ROBERT (M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 PLACE, HARRY (S'48-A'53), Engr., ITT Labs., Nutley 10, N.J.
 PLACE, JOHN F. (S'44-A'46-M'55), Engr., GE Co..
- PLACE, JOHN F. (S'44-A'46-M'55), Engr., GE Co., Syracuse 1, N.Y.
- PLACE, SAMUEL W. (A'19-VA'39-M'54), Tech. Supvr., Continental Diamond Fibre Corp., Front & Ford, Bridgeport, Pa.
- PLACE, W.P. (A'32-M'55), Pres., Femco, Inc., Box 32,
- Invin, Pa.

 PLAHN, RICHARD W. (S'49-A'50-M'56), Electro. Mech. Engr., Aircraft Radio Corp., Boonton, N.J.

 PLAISANCE, STANLEY F. (S'44-A'45-M'55), Sr. Electronics Engr., Anderson Nichols Co., 150 Causeway St., Boston, Mass.

 PLAISTED, ALAN H. (A'53), Prod. Sales Mgr., Sylvania Elec. Prods., Inc., Estes St., Ipswich, Mass.

 PLAISTED, ROBERT O. (S'55-M'57), Electronics Engr., Data Processing Equipment, Radiation, Inc., Melbourne, Fla.

- Fla.

 PLAISTED, ROSS J. (M'56), Suovr., Transmitters,
 Westinghouse Broadcasting Co., Inc., 815 Superior
 Ave., N.E., Cleveland 14, Ohio.
 PLAIT, ALAN O. (M'56), Elec. Engr., Amour Research
 Foundation, 10 N. 35 St., Chicago 16, Ill.
 PLAKADIS, ALEXANDER P. (A'36-VA'39), Owner & Mgr.,
 Alex Radio Lab., 1701 W. 25 St., Cleveland 13, Ohio.
 PLAKE, MULLIAM C. (M'57), Sr., Engr., Dev., Raytheon
 Mfg. Co., Box 636, Santa Barbara, Calif.
- Mrg. Co., Box 636, Santa Barbara, Calif. LAME, SAMUEL, JR. (SM'56), Chief Testing & Evaluation Branch, U.S. Govt., Nat. Security Agercy, Washington 25, D.C.
- D.C.
 PLANCHAK, EUGENE (M'57), Systems Div., Bendix Aviation Corp., Ann Arbor, Mich.
 PLANCK, RUSSELL M. (A'29-VA'39-M'55), V.P. & Chief Engr., Radio Mfg. Engineers, Inc., 501 Walnut St., Washington, Ill.
- PLANINAC, JOHN W. (A'54-M'56), Chief, Tech. Facilities Branch, USAF, 6511th Test Group, NAAS, El Centro, Calif.
- PLANK, CHARLES (M'54), Mem. Tech. Staff, Space Technology Lab., 5500 El Segundo Blvd., Los Angeles 45, Calif.
- PLANK, PHYLLIS E. (A'55), Mathematician, Analytic Services, Inc., 1101 N. Royal St., Alexandria, Va.
 PLANK, RAYMOND A. (A'5B), Owner & Operator, WKLA, Ludington, Mtch.
- Ludington, Mtch.
 PLANTE, KENNETH L. (M'57), Engr., Westinghouse
 Elec. Corp., Box 746, Baltimore 3, Md.
 PLANTEROTH, J. ARTHUR (A'51–M'56), Retired, 1B0
 Overlook Ave., Great Neck, L.I., N.Y.
 PLANTZ, VELLAR C. (M'5B), Sr. Engr., Martin Co.,
 Box 179, Denver J. Colo.

- PLASS, STANLEY (A'55-M'58-SM'58), Sr. Advanced Dev Engr., Packard-Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.
- Blvd., Los Angeles 64, Calif.
 PLATH, ROBERT H. (M'57), Dev. Engr., Westinghouse Elec. Corp., Air Arm Div., Box 746, Baltimore 3, Md.
 PLATNICK, DAVID (M'57), Elec. Engr., Univ. of Rochester, Rochester 20, N.V.
 PLATT, BLAINE E. (A'53), Factory Engr., Philoc Corp., Tioga & C Sts., Philadelphia 34, Pa.
 PLATT, FREDERICK L. (A'54), Chief Electronics Process Engr., Revere Corp. of America, Colony Rd., Wallingford, Conn.

- Engr., Revere Corp. of America, Colony Rd., Wallingford, Conn.

 PLATT, HERBERT J. (S'48–A'53–SM'55), Sr. Project M.m., Tech. Staff, RCA, Box 588, Burlington, Mass. PLATT, SIDNEY (A'48–M'55), Chief Engr., Warmer, Inc., 522 5 Ave., New York, N. Y.

 PLATT, BIDNEY (A'48–M'55), Electronics Technician, Singer Mig. Co., Bridgeport, Conn.

 PLATTS, GEORGE F. (A'50–M'39–5M'43), Mgr., Semiconductor Prods., GE Co., Syracuse, N. Y.

 PLATZ, EDWARD F. (M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.

 PLATZMAN, M'CHAEL M. (M'49), Pres., Automation Enterprises, Inc., 315, Gold St., Brooklyn 4, N.Y.

 PLATZMAN, PAUL M. (M'58), Exec. V. P., The Narda Ultrasonics Corp., 625 Main St., Westbury, L.I., N.Y.

 PLAUT, ALBERT S. (A'54), Electronics Systems Engr., Lockheed Aircraft Corp., Burbank, Calif. PLAVCAN, CHARLES T. (S'50–A'51), Engr., GE Co., Syracuse, N.Y.

 PLAYNIEKS, EDVINS (A'58), 6313 16 St., N.W., Washington 11, D.C.

 PLAWSEKS, MARTINI I. (S'55–M'57), Sr. Design Engr., Ford Instrument Co., 30–10 41 Ave., Long Island City 1, N.Y.

 PLAYFOOT, KERWIN C. (S'57–A'58), Microwave Tube Days Engr., Warth Washington 11, C.

- PLAYFOOT, KERWIN C. (S'57-A'58), Microwave Tube Dev. Engr., Westinghouse Elec. Corp., Box 284, Elmira, N.Y.
- Elmira, N.Y.
 PLEASANCE, CARROLL L. (M'56), Instrument Engr.,
 GE Co., Richland, Wash.
 PLFASIRE, MYRINN (M'47-SM'53), Consultant, 371,3 74
 St., Jackson Heights 72, L.I., N.Y.
 PLEHATY, SPENCER L. (S'51-A'54), Sr. Dev. Engr.,
 Norden Labs. Div., United Aircraft Corp., 121 Westmoreland Ave., White Plains, N.Y.
- PLEHN, ALLAN D. (M'56), Engr., Federal Electric Corp.,
- PLEHN, ALLAN D. (M'56), Engr., Federal Electric Corp., Paramus, N.J.

 PLEHN, JAMES G. (SM'56), Engr., GE Co., Utica, N.Y.

 PLEMENOS, FRED A. (S'50-A'52-M'57), Sr. Engr.,

 Raytheon Mig. Co., Maynard, Mass.

 PLESHEK, LUMIR J. (SM'54), Electronics Engr., Wright

 Air Development Center, Wright-Patterson AFB, Ohio.

 PLESS, LEWIS C. (M'57), Engr., Bendix Aviation Corp.,

 400 S. Beiger, Mishawaka, Ind.
- 4UU S. Beiger, Misnawaka, Ind.
 PLESS, ROBERT L. (S'57-M'58), 1714 Lincoln,
 Pittsburgh 6, Pa.
 PLESSET, KIVEN (S'52-A'53), Dev. Engr., Panoramic
 Radio Prods. Inc., 520 S. Fulton Ave., Mount Vernon,
 N.Y.
- PLEW, H. E., JR. (A'52-M'56), Chief Prod. Engr., Packard-Bell Computer Corp., 1905 Armacost Ave., Los Angeles 25, Calif.

- Los Angeles 25, Calif.

 PLICATO, WILLIAM L. (A'51), Sect. Chief, Airborne Equipment, Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 PLICE, GERALD W. (M'58), Chief Engr., James Vibrapower Co., 4050 N. Rockwell, Chicago 18, Ill.

 PLINE, RICHARD A. (M'57), Exec. Engr., Mica Capacitors, Sangamo Electric Co., 11 & Converse, Springfield, Ill.

 PLISHNER, PAUL J. (M'56), Pres., Radio-Research Instrument Co., 75 Beach St., New York, N.Y.

 PLIZAK, BRUNO T. (M'58), Electronic Scientist, U.S.

 Naval Air Development Center, Johnsville, Pa.

 PLOFKER, MORTON H. (A'53-M'57), Sr. Prod. Engr., Kollsman Instrument Corp., 80-08 45 Ave., Elmhurst, L.I., N.Y.
- L.I., N.Y.
 PLOGSTEDT, ALLEN E. (S'55-M'57), Research Engr.,
 AVCO-Crosley Div., Glendale-Milford Rd., Cincinnati
 15, Ohio.
 PLONSEY, ROBERT (A'47-S'54-M'56), Asst. Prof.,
 Elec. Engrg., Case Institute of Technology, University
 Cirole, Cleveland 6, Onio.
- PLONSKY, ALEXANDER T. (M'57), Staff Engr., IBM, Kingston, N.Y.
 PLOSS, ALAN G. (S'56-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 PLOSSL, THEODORE F. (A'58), Programmer, IBM, Kingston, N.Y.

- PLOSSL, THEODORE F. (A'58), Programmer, IBM, Kingston, N.Y.

 PLOTKIN, ALLEN A. (A'55), Sr. Dev. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PLOTKIN, GERALD N. (M'46), Chief, Electronics Div., Naval Ordnance Lab., White Oak, Silver Spring, Md.

 PLOTKIN, ISIDORE (A'47-M'55), Prod. Mgr., Waterman Prods. Co., Inc., 2445 Emerald St., Philadelphia 25, Pa.

 PLOTKIN, LOUISE. (S'43-A'45-M'50-SM'54), Sect. Leader, Reliability & Components Group, Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 PLOTKIN, MARTIN (S'43-A'45-M'55-SM'55), Electronics Engr., Brookhaven Natl. Lab., Upton, L.I., N.Y.

 PLOTKIN, SHELDON C. (S'53-M'57), Asst., Prof., Elec. Engr., Univ., of Southern California, Los Angeles, Calif.

 PLOTTINKOFF, GEORGE P. (A'53-M'57), Se. Engr., Philoc Corp., 3875 Fabian Way, Palo Alto, Calif.

 PLOTTS, ELLERY L. (A'31-M'41-SM'43), Systems Engr., Raytheon Mgc. Co., Wayland, Mass.

 PLOUFFE, RICHARD H. (S'53-A'55), 53 Elmwood Rd., Wellesley 81, Mass.

- Wellesley 81, Mass.

 PLOUFFE, ROBERT L., JR. (S'50-A'51-SM'56), Assoc. Lab. Dir., ITT Labs., Nutley 10, N. J.

 PLOUGH, CHARLES T., JR. (S'53-A'54), Dev. Engr., Sylvania Elec. Prods., Inc., Woburn, Mass.

 PLOUGHMAN, THEODORE L. (M'58), Research Asst., Univ. of Michigan Engr., Research Institute, Ann Arbor, M'ch.

 PLOUSSIOS, GEDRGE (S'55-M'57), Project Engr., Chu. Associates, Box 387, Littleton, Mass.

 PLUGGE, RICHARD J. (S'56-M'59), Microwave Engr., Martin Co., Baltimore 3, Md.

 PLUM, L. WENDELL (M'58), Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 PLUMB, DAVID R. (M'56), Microwave Engr., Raytheon Mfg. Co., Wayland, Mass.

PLUMB, PAUL E. (A'58), Owner, Plumb & Co., Electronics, 2438 Bissonnet, Houston, Tex.
PLUMLEE, BILLE L. (S'57–A'58), Owner, Bill's TV Service, 80x 426, Mosby, Mo.
PLUMLEY, CHRISTOPHER (M'58), Jr. Test Engr., DATAmatic, 151 Needham St., Newton Highlands, Mass.
PLUMMER, CHARLES H. (A'44–M'55), Dir., Process Research Chicopee Mfg. Corp., Ford Ave., Milltown, N.J.
PLUMMER, CURTIS B. (A'39–M'44–SM'50), Chief, Safety & Special Services Radio Bureau, FCC, Washington 25, D.C.

PLUMMER, DAVID K. (M'54), Research Electronics Engr., Cornell Aeronautical Lab., Inc., 4455 Genesee St., Buffalo 21, N.Y.

Tallo 21, N.Y.

PLUMMER, DONALD (SM'53), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

PLUMMER, ROBERT E. (SM'59), Head Nose Cone Group, Hughes Aircraft Co., Culver City, Calif.

PLUMMER, ROVERT J. (M'57), Engr., ITT Labs., Nutley 10, N.J.

PLUMMER, ROBERT T. (M'53), Mgr., Commercial Marketing, Eitel-McCullough, Inc., San Bruno, Calif. PLUMMER, RUSSELL W. (A'57), Project Engr., I8M,

PLUMMER, RUSSELL W. (A'57), Project Engr., I8M, Poughkeepsis, N.Y.
PLUMMER, TOMMIE S. (S'56-M'59), Installation Engr., 4825 Troost Ave., Kansas City 10, Ms.
PLUMMER, R. WILLIAME. (A'30-M'35-SM'43), Asst., Telecommunication Engrg. & Chmn., Inter-dept. Radio Advisory Comm., Office Of Defense Mobilization, Exec. Office Bidg., 17 St. & Penn Ave., Washinaton 25, D.C.
PLUMRIDGE, ROBERT F. (A'55), Sr. Microwave Engr., Raytheon Mg. Co., Spencer Lab., Burlington 1, Mass.
PLUNK, TROY E. (S'57-M'59), Assoc. Engr., Raytheon Mg. Co., Sedford, Mass.
PLUNKETT, DALE T. (S'50-A'51), Elec. Engr., Bonneville Power Administration, DOB, #2, Ross Substation, Box 491, Vancouver, Wash.
PLUNKETT, RICHARD (S'50-A'55), Antenna & Propagation Sect. Head, Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.

N.Y.
PLUS, LOVA (S'55-M'56), Transistor Application Engr., RCA, Somerville, N.J.
PLUSS, CARLOS P. (SM'55), Chief Engr., Electronics Div., Standard Electric Argentina, S.A.I.C., Uruguay 1037
8 uenos Aires, Argentina.
PLUTCHOK, HYMAN (M'59), Design Engr., FXR, Inc., 26-12 Borough Pl., Woodside 77, L.I., N.Y.
PLUTT, JOSEPH A., JR. (A'50-M'55), Site Engr., Burroughs Corp., St. Davids, Pa.

roughs Corp., St. Davids, Pa
PLYWASKI, WALTER (S'56-M'58), Hathaway Instruments,
5800 E. Jewell, Denver, Colo.
POAGE, JAMES F. (M'57), Mem. Tech. Staff, Bell Tel.
Labs., Whippany, N.J.
POAST, LAVERNE M. (A 36-VA'39-M'55), Consulting Radio
Engr., Rte. 2, Sunbury Rd., Delaware, Ohio.
POCALYKO, PETER N. (M'57), Publications Engr., 18M,
Kingston, N.Y.
POCH, STEPHEN (M'51), V.P., Engrg., Molecu-Wire Corp.,
Eatontown-Freehold Pike, Scobeyville, N.J.
POCH. WALDEMAR J. (A'28-VA'39-SM'48-F'56), Dir.

Kingston, N.Y.

POCH, STEPHEN (M'51), V.P., Engrg., Molecu-Wire Corp., Eatontown-Freehold Pike, Scobeyville, N.J.

POCH, STEPHEN (M'51), V.P., Engrg., Molecu-Wire Corp., Eatontown-Freehold Pike, Scobeyville, N.J.

POCH, WALDEMAR J. (A'28-VA'39-SM'4B-F'56), Dir., Prod. Dev., RCA Research Labs., Princeton, N.J.

POCHOP, Dev., RCA Research Labs., Princeton, N.J.

POCHOP, DENLEY R. (S'51-A'52-M'55), Deputy Chief, Techniques & Circuitry Branch, Frequency Control Div., USASRDL, Ft. Monmouth, N.J.

POCHOP, DONLEY R. (S'51-A'52-M'57), Field Service Rep., GE Co., Syracuse, N.Y.

POCIUS, CLARENCE F. (A'55), Airline Pilot, Flying Tiger Line, Idlewild, N.Y.; Owner Pocius Electronics Lab., R.D., 1, Ironia-Mendham Rd., Mendham, N.J.

POCOCK, HUGH S. (M'22-SM'43)(L), Dir., Iliife & Sons. Ltd., Dorset House, Stamford St., London, S.F. 1, England. POCZE, TIBOR (S 57-M'58), Asst. Elec. Engr., Bureau of Construction, Bd. of Education, 42-15 Grescent St., Long Island City 1, N.Y.

POCZWARDOMSKI, STEVE J. (M'57), Project Engr., Fidelitone, Inc., 6415 N. Ravenswood Ave., Chicago 26, Ill.

PODALL, BERTRAM A. (S'49-A'50-M'55), Production Engr., Amperex Electronics Corp., 230 Diffy, Hicksville, L.I.,

PODELL, EDWIN J. (A'52-M'58), Project Engr., Missile & Surface Radar Div., RCA, Moorestown, N.J.

PODELL, ROBERT L. (A'55), Dev. Engr., ITT Labs., Nutley 10, N.J.

PODELL, SAMUEL (A'30-M'47), Mfg. Mgr., Monarch Metal Prods., Inc., MacArthur Ave., Newburgh, N.Y.

PODEWILS, NEIL R. (A'43), Electronic Technician, Argus Cameras Div., Sylvania Elec. Prods., Inc., 1, 4 & William Sts., Ann Arbor, Mich.

PODEVN, ROBERT F. (A'55), Project Engr., Curtiss-Wright Corp., Santa Barbara, Calif.

PODLENSKI, ROBERT F. (A'51), Sr. Engr., Curtiss-Wright Corp., Santa Barbara, Calif.

PODLENSKI, ROBERT F. (A'55), Project Engr., & Sect. Mgr., Modoral, Inc., 4501 W. Augusta Blvd., Chicago 51, Ill.

PODLUSKY, LEON (A'30-M'46-SM'53-F'57), Consultant, 77 Wendell Ave., Piltsfield, Mass.

Sect. Mgr., Motorola, Inc., 4501 W. Augusta 8Ivd., Chicago 51, III.

PODLISKY, LEON (A'30-M'46-SM'53-F'57), Consultant, 77 Wendell Ave., Pittsfield, Mass.

PODRASKY RICHARD W. (S'55-M'57), Electronics Engr., 18M, 1111 Connecticut Ave., Washington 6, D.C.

PODRAZA, GEORGE V. (S'57-M'57), Engr., Martin Co., Baltimore 3, Md.

POE, CARLETON M. (A'49), Pres., Bear State Creamery, Inc., 617 University Ave., San Diego 3, Calif.

POE, HARRY E. (S'53-A'55), Elec. Engr., Hi-Voltage Equipment Co., 4000 E. 116 St., Cleveland 5, Ohio.

POEHLER, HORST A. (S'41-A'44-M'55-SM'57), Mem. Tech. Staff, Spece Technology Labs., Patrick AFB, Fla.

POEHLER, THEDOORE O. (S'55-M'57), Elec. Engrg. Dept., The John Hopkins Univ., Baltimore, Md.

POEHLS, VERNON J. (A-52-M'57), Design Engr., Display Equipment, RCA, Moorestown, N.J.

POEL, LAWRENCE R. (S'56-M'58), Engr., Zenith Radio Corn., 6001 Dickens, Chicago 39, III.

POFF, JALEN C., JR. (S'54-A'55-M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

POFF, JACK K. (M'54), Sales Mgr., Jobber DIv., Pyramid Electric Co., 1445 Hudson Blvd., North Bergen, N.J.

POGGI, GEORGE P. (S'56-A'58), Asst. Engr., Sperry Gyroscope, Lake Success, L.I., N.Y.

POGODA, ABE L. (S'56-M'57), Project Engr., Kearfott Co., Inc., Little Falls, N.J. POGUST, FREDERICK B. (M'54), Group Leader, Dept. of Aviation Systems Research, Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, L.I., N.Y. POHL, JOHN S. (S'56-M'58), Assoc. Engr., Martin Co.,

Orlando, Fla.
POHL, ROBERT G. (SM'55), Research Physicist, Armour Re-search Foundation, 10 W. 35 St., Chicago 16, III.
POHL, WOLFGANG A. (SM'57), Project Engr., Wright-Patterson AFB, Ohlo.

POHLE, CORTLAND G., JR. (S'56-M'59), Electronics Engr., USCG, Electronics Engrg. Sta., Wildwood, N.J. POHLMAN, DONALD W. (M'58), Assoc. Dev. Engr., Electrodata Div., Burroughs Corp., 460 N. Sierra Madre Villa, Pasadena, Calif.

Electrodata DIV., Burroughs Corp., 460 N. Sierra Madre Villa, Pasadena, Calif.

POHM, ARTHUR V. (M'59), Elec. Engrg. Dept., Iowa State College, Ames, Iowa.

POINTON, CHARLES G. (A'47), Genl. Mgr., Charles W. Pointon, Ltd., 6 Alcina Ave., Toronto 10, Ont., Canada.

POIRIER, GERARD R. (S'50-A'54-M'59), Systems Engr., Hughes Aircraft Co., Fullerton, Calif.

POIRIER, J.P., ARTHUR, (S'57-A'59), Sr. Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

POITRAS, DONALD J. (M'57), Engr., RCA, Camden, N.J.

POKORNY, FRANK A. (M'56), Avionics Group Engr., Convair, 3302 Pacific Hwy., San Diego, Calif.

POKORNY, GEROLD E. (A'55), Physicist, U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.

POKORNY, JAMES J. (M'53-SM'53), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

Ohio.
POKORNY, JOSEPH S. (S'53-M'57), Design Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
POKORNY, VIKTOR J. (M'59), Asst. Dir., Research, Transistor Applications, Inc., 50 Broad St., Boston, Mass.
POL, WILLIAM F. (S'53-M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
POLACHOWSKI, SERNARD A. (A'56), Signal Corps Radar Maint. Officer, 93rd Signal Det., Ft. Banks, Winthrop,

Mass

POLACK, MANUEL M. (M'57), Sr. Electronics Engr., Emerson Radio & Phono Corp., 14 & Coles Sts., Jersey City 2, N.J.

City 2, N.J.

POLAK, HERBERT L. (A'46), Sr. Engr., Instruments for industry, Inc., 101 New South Rd., Hicksville, L.I., N.Y.

POLAK, RUDOLF (A'52), Electronics Dept. Supvr., Sperry Semiconductor Div., Sperry Rand Corp., Wilson Ave., South Norwalk, Conn.

POLAKOWSKI, WILLIAM G. (S'51–A'53–M'58), Asst. Chief Engr., Integrated Dynamics Div., 2432 San Mateo Bivd., Albuquerque, N.M.

OIVG., AIDUQUERQUE, N.M.

POLAND, WILLIAM L. (A'54), Dept. Mgr., Sperry-Rand-Univac, South Norwalk, Conn.

POLANIECKI, SALOMON, (M'58), Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cinclinati 25, Ohio.

Ohio.

Ohio.

POLANSKY, PHILIP (A'5B), 29 Davenport Ave., New Rochelle, N.Y.

POLASHEK, EMIL J. (A'52), Mgr., Radio Dept., Wathan Flying Service, Municipal Airport, Cedar Rapids, Iowa.

POLAYES, MAURICE B. (A'49), Sales, Application Engr., Consultant, Audio Systems, Non-Destructive Testing Equipment, Box W.I.N., Brookline 46, Mass.

POLCUCH, ALEXANDER F. G. (A'50-M'55), Group Engr., Boeing Airplane Co., Seattle, Wash.

POLCYN, STEPHEN J., JR. (A'50-M'55), Elec. Engr., Automatic Pilot Lab., Bendix Aviation Corp., Teterboro, N.J.

N.J.

POLDER, JACOB H. (S'49-A'51-M'56), Project Engr., Hycon Mfg. Co., 1030 S. Arroyo, Pasadena, Calif.

POLDNE, OLAV (S'56-M'58), Engr. in Training, Radio Valve Co., Ltd. 189 Dufferin, Toronto 3, Ont., Canada.

POLEN, EDWARD (M'54), Woner, Signal Transformer Co., 1661 McDonald Ave., Brooklyn 30, N.Y.

POLENZ, DARYL L. (S'56-M'58), "Goodwillie, Box 56 Rd. 1, Yorktown Heights, N.Y.

POLETAT, GEORGE (A'54), Prod. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

POLGAR, EDWARD A. (A'55), Supvr., Polaris Reliability Analysis & Data Collection Group, Aerojet-Genl. Corp., Box 1169, Sacramento, Calif.

POLGAR MICHAEL S. JR. (S'54-M'57), Engr., ITT

Analysis & Data Collection Group, Aerojet-Genl. Corp., Box 1169, Sacramento, Calif.

POLGAR, MICHAEL S., JR. (S'54-M'57), Engr., ITT Labs., Nutley 10, N. J.

POLHEMUS, GEORGE C. (A'53-M'58), Electronics Engr., Naval Air Development Center, Johnsville, Pa.

POLHEMUS, JOHN T. (S'56-M'57), Assoc. Research Engr., California Research Corp., Hwy. 39 & Imperial, La Habra, Calif.

POLICH, WILLIAM J. (S'56-M'58), Fleld Engr., Motorola C & E. Inc., 1400 N. Cicero Ave., Lyons, Ill.

POLIMEROU, LAZARUS G. (S'52-A'53-M'58), Lead Dev. Design Engr., Chance-Vought Aircraft, Dallas, Tex.

POLIN, BENJAMIN H. (M'58), Dept. Head, School District of Philadelphila, 21 St. & Parkway, Philadelphila, 7, Pa.

POLIN, HERBERT S. (A'48), Physicist, Institute of Biophysics, Univ. of Brazil, Rio de Janeiro, Brazil.

POLING, MUSTIN C. (M'57), Geodesist, U.S. Coast & Geodetic Survey, Washington 25, O.C.

POLINSKY, ALVIN L. (S'56-M'58), Lead Engr., Circuit Test., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.

POLISSE, LAWRENCE F. (M'46), Special Mobile Oesign

2, N.Y.

POLISSE, LAWRENCE F. (M'46), Special Mobile Oesign Projects Engr., GE Co., Syracuse, N.Y.

POLITCH, JACOB (A'57), Electronics Engr., Israel Army, Home: c/o Appelbaum, 5 Ibn Sina St., Haifa, Israel.

POLITI, EDWARD Y. (S'51-A'52-M'56), Tech. Oir., Solid State Electronics Co., 8158 Orion Ave., Van Nuys, Calif.

POLITIS, STEVEN (A'54-M'59), Consultant Engr., Amelco, Inc., 2040 Colorado, Santa Monica, Calif. POLITO, LOUIS J. (S'57-A'59), Elec. Engr., GE Co., Syracuse, N.Y.

Syracuse, N.Y.
POLITS, WILLIAM J. (S'51-A'52), Oev. Engr., Tektronic,
Inc., Box 831, Portland 7, Ore.
POLITZER, LAWRENCE M. (M'58), Project Engr., USAF,
Wright Air Oevelopment Center, Wright-Patterson AF8, Ohio.
POLK, CHARLES (A'52-SM'56), Mem. Tech. Staff, RCA
Labs., Princeton. N.J.

POLK, GEORGE D. (S'48-A'52-M'57), Sr. Elec. Engr., Universal Match Corp., 470 Paul Ave., Ferguson, Mo. POLK, IREDELL D., JR. (S'56-M'57), Airborne Early Warning Radar Repairman, USAF, C.M.R. H, Box 3499, Keesler AFB, Miss.
POLKING, UR8AN H, (S'44-A'49-M'55), Ordnance Engr., Mission Plans & Operations, White Sands Missile Range,

N M

Mission Plans & Operations, White Sands Missile Range, N.M.

POLKINGHORN, FRANK A. (A'25-F'38), Mem. Tech. Staff, Bell Tell. Labs., Whitpany, N.J.

POLKOSNIK, CHESTER F., JR. (A'55), Sr. Engr., ITT Labs., 343 Cortland St., Belleville, N.J.

POLL, VINCENT M. (A'45), TV Transmitter Engr., WGN, Inc., 435 N. Michigan, Chicago, III.

POLLACK, EDGAR H. (A'54), V.P., Scintilla Rail & Power Works, Inc., 324 Lafayette St., New York 12, N.Y.

POLLACK, ABRAHAM S. (SM'57), Sr. Engr., Hazeltine Electronic Corp., Little Neck, L.I., N.Y.

POLLACK, ABRAHAM S. (SM'57), Sr. Engr., Hazeltine Electronic Corp., 141 Minmi, Fla.

POLLACK, DALE (J'30-S'35-A'38-SM'43), Chief Engr., Waltham Electronics Corp., 751 Main St., Waltham, Mass.

POLLACK, DALE (J'30-S'35-A'38-SM'43), Chief Engr., Waltham Electronics Corp., 743-20 34 St., Long Island City J. N.Y.

POLLACK, ISRAEL (M'48), Chief Engr., Q-Line Mfg. Corp., 1562 61 St., Brooklyn, N.Y.

POLLACK, LOUIS (A'45-SM'55), Exec. Engr., ITT Labs., Nutley 10, N.J.

POLLACK, LOUIS (A'45-SM'55), Exec. Engr., ITT Labs., Nutlev 10. N.J.,
POLLACK, MELVIN (M'53), Genl. Mgr., Commercial Electronics, Inc., 117 5 St., Mlami Beach, Fla.
POLLACK, MEYER (SM'50), Group Leader, Systems Dev., Autonetics Div., No. Amer. Aviation, Downey, Calif., POLLACK, PHILIP (A'51-M'53), Self-Employed, 73-23 255 St., Floral Park, L.I., N.Y.
POLLACK, PHILIP (A'55-M'59), Self-Emproyed, 73-27 255 St., Floral Park, L.I., N.Y.
POLLACK, SAMUEL (S'56-A'57), Project Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
POLLACK, SAMUEL (S'56-A'57), Project Engr., Loral Electronics Coron., B25 Bronx River Ave., Bronx, N.Y.
POLLAK, FRED (A'51-M'56), Project Engr., Polarad Electric Co., 43-20 34 St., Long Island City, N.Y.
POLLAK, JOHN P. (SM'56), Prod. Engrg. Supr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
POLLAK, RICHARD H. (M'57), Asst. Research Scientist, Advisory Group on Electron Tubes, 346 Broadway, New York 13, N.Y.

York 13, N.Y.

POLLARD, JOHN R. (M'46), Asst. Controller, Research, Ericsson Telephones, Ltd., Beeston, Notts., England.

POLLARD, ROBERT E. (M'55), Staff Engr., Specialties, Inc., Syosset, L.I., N.Y.

POLLARD, WILLIAM A. (A'54), Electronics Engr., Convair, 3302 Pacific Hwy., San Diego, Calif.

POLLARD, WILLIAM J. (A'52-M'57), Project Engr., Bendix Systems Div., 3300 Plymouth Rd., Ann Arbor, Mich.

POLLOCK, ALFRED H. (A'48-M'155), Project Engr., Systems Test Integration, GE Co., Syracuse, N.Y.

POLLOCK, BERNARD N. (S'54-M'56), TV Design Engr., Electrical Prods. Mfg. Co., Ltd., 5785 Pare St., Montreal, P.Q., Canada.

POLLOCK, CECILY (M'56). Electronics Engr., Instrumen-

POLLOCK, CECILY (M'56), Electronics Engr., Instrumentation IRM Measurement Div., South Branch Telemetry, White Sands Missile Range, N.M.
POLLOCK, DAVID (M'57), Supvy. Electronics Engr., U.S. Army Signal Equipment Support Agency, Ft. Monmouth, N.J.
POLLOCK, HARVEY L. (S'53–A'54–M'55), Mgr., Electronics Engr., U.S. Army Signal Equipment Group, Philips Electronics Industries, Ltd., 116 Vanderhoof Ave., Toronto 17, Ont., Canada.
POLLOCK, ROBERT D. (A'42–M'46), Sr. Electronics Engr., Convair, 1675 W. 5 Ave., Pomona, Calif.
POLLOW, CHARLES H. (M'59), Sr. Staff Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
POLLY, JACK (A'56), Service Analyst, Avro Aircraft, Ltd., Malton, Ont., Canada.
POLONE, RAYMOND W. (S'55–A'57), Avlation Cadet, USAF, Air Training Command, Randolph AFB, San Antonlo, Tex.

POLSINELLI, VINCENT (S'56-A'59), 521 S. 12 St., Newark 3, N.J. POLSKIN, LOUIS J. (A'56), 1401 S. Florida Ave., Lakeland, Fla.

Lakeland, Fla.

POLYZOU, JAMES (S'46-A'48-M'55), Systems Engr., 1TT Labs.. Paramus, N. J.

POLZIN, EARL M. (S'51-A'53-M'5B), Engr., Ramo-Wooldinge, Box 45534, Airport Sta., Los Angeles 45, Calif.

POMERANTZ, MILTON (A'46-M'55), Audio-Video Group Engr., N8C, 30 Rockefeller Plaza, New York, N. Y.

POMERENE, JAMES H. (M'45), Sr. Engr., IBM, Poughkeepsle, N. Y.

POMEROY, ALLEN F. (A'42-SM'43), Mem. Tech. Staff, 8ell Tel. Labs., 1600 Osgood St., North Andover, Mass.

POMEROY, I. DWAYNE (A'51), Mem. Tech. Staff, Space Technology Labs., 5740 Arbor Vitae, Los Angeles 45, Calif.

POMEROY, RICHARD C. (EMISS.)

POMEROY, RICHARD C. (SM'55), Chief, Magnetron Engrg.
Dept., Western Electric Co., Marlon & Vine Sts., Laurei-Dept., Wo

dale, Pa.

POMMET, JEAN A. (M¹59), Design Engr., FXR, Inc., 26-12 Borough Pl., Woodside 77, L.I., N.Y.

POMON, JACK D., (S¹47-A¹49-M¹55), F. Engr., Pyle Natl. Co., 1334 N. Kostner, Chi5cago, Ill.

POMPER, VICTOR H. (M¹50-5M¹55), V.P., H. H. Scott, Inc., 111 Powermill Rd., Maryland, Mass.

POMPIAN, STUART D. (S¹56-M¹57), Project Engr., Missile Systems Oiv., Raytheon Mfg. Co., Hartwell Rd., Bedford, Mass.

Bedford, Mass
POMPONI, SILVESTERJ, (M'5B), Systems Engr., Mitre
Corr., Lexington 73, Mass.
POMROY, RICHARD A, (S'54-A'55), Electronics Systems
Engr., Stromberg-Carlson Co., 1400 N. Goodman St.,
Rochester 9, N. Y.
POMY, HERMAN J. (A'48-M'4B), Lt. Col., U. S. Army
Reserve, Retired, 210 Rollins Ave., San Antonio 1, Tex,
PONCINIE, DANIEL J, (S'58-A'59), Computer Engr., All
State Insurance Co., 7447 Skokie Blvd., Skokie, Ill.
POND, JOHN F. (A'47-M'51), Asst. to Pres., Moyer &
Diebel Metalcrafts, Ltd., Jordan Sta., Ont., Canada.
PONEMON, RICHARD D. (M'54), Pres., Pyroferric Co.,
Inc., 621 E. 216 St., New York 67, N.Y.

PON-POS - 335 -

- PONNAPPA, BITTIANOA M. (A'55-M'57), Tech. Asst., W.P.C. Ministry of Comm., New Delhi, India. PDNTE, ALBERT G. (A'55), Engr., Raytheon Mfg. Co., Wayland, Mass.
- Wayland, Mass, PONTE, SM. AMARICE (SM'4B-F'54), Pres., Compagnie Generale De T. S. F. (C. S. F.) 79 Bvd. Haussmann, Paris B, France.
 PONTECORVO, PAUL J. (A'41-SM'48), Myr., Communications Dept., Raytheon Mfg. Co., Wayland, Mass.
 PONTICELO, JAMES A. (A'52-M'56), Elec, Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio.
 PONTICUS. CHABLES F. (S'52-A'52-M'57). Electronic
- Amer, Aviation, 4300 E., 5 Ave., Columbus 16, Ohio. PONTIOUS, CHARLES E. (S'52-A'52-M'57), Electronic Scientist, Naval Research Lab., Washington 25, D.C. PONTIUS, JOHN C. (A'40-M'46), V.P., Forbes & Wagner, Inc., 341 Central Ave., Silver Creek, N.Y. PONZO, LEONARD S. (S'50-A'51-M'57), Instr., Ajax High School, Ajax, Ont., Canada. POOL, CLIFFORD G. (M'59), Supt., Communications, Tidewater Oil Co., 4201 Wilshire Blvd., Los Angeles 4, Calif.

- Calif.

 POOL, EDGAR B. (A'43-M'55), Genl. Mgr., Radlo KTXN, Inc., 1211 E. 6, Austin, Tex.

 POOL, KOESTER C. (M'50), Working Supvr., KSTP-TV, 3415 University Ave., St. Paul, Minn.

 POOL, MILTON H. (S'51-A'52), Service Engr. & Mgr., Service Dept., Eberbach & Son Co., 206 E. Liberty St. & Owner-Mgr., Pool's Radio & Television, 5133 Waters Rd., Anna Arbor, Mich.

 POOL, ROBERT H. (S'57-M'59), Engr., Collins Radio Co., Cedar Rapids, lowa.

 POOLE, E. CHARLES (SM'59), Chief. Telecommunications.

- POOLE, ROBERT H. (S'57-M'59), Engr., Collins Radio Co., Cedar Rapids, Jowa.
 POOLE, E., CHARLES (SM'59), Chief, Telecommunications, RCAF, Ottawa, Ont., Canada.
 POOLE, HARRY H. (M'56), Electronics Engr., Martin Co., Orlando, Fla.
 POOLE, HORACE H. (A'42), Registrar & Scientific Officer, Royal Dublin Society, Ball's Bridge, Dublin, Eire.
 POOLE, JACK R. (A'58), Tech, Asst., Engrg. Personnel, IBM, Monterey & Cottle Rds., San Jose 14, Calif.
 POOLE, JEAN A. (A'53-M'59), Communications Engr., GE Co., Box 367, Excelsior, Minn.
 POOLE, JACN A. (A'57), Research & Oev, Technician, Anderson Nichols Co., 150 Causeway St., Boston, Mass.
 POOLE, KENNETH M. (A'54), Research Physicist, Bell Tel. Labs., Murray Hill, NJ.
 POOLE, NORMAN K. (A'55), Mem. Staff, Bell Tel. Labs., 462 West St., New York 14, N.Y.
 POOLE, RONALD E. (S'56-M'57), Oesign Engr., Farnsworth Electronics Co., 3702 E. Pontiac, Ft. Wayne, Ind.
 POOLE, ZEB V. (S'57-M'59), 312 N. Mulberry St., Statesville, N.C.
 POOLEY, RICHARD R. (S'48-A'50-M'54), Facilities
 Morr., Tektronix, Inc., 13500 S. W., Jenkins Rd., Beaverton, Ore.

- ton, Ore.

 POOR, E. WARO, JR. (M'5B), Tech. Staff Assoc., RCA
 Labs., Princeton, N.J.

 POOR, LEONARO D. (A'55-M'59), Mem. Tech. Staff, Bell
 Tel. Labs., 463 West St., New York 14, N.Y.

 POOR, VICTOR D. (M'57), Project Engr., La Roe Instruments, Inc., Rockville, Md.

 POORTE, GLEN E. (S'49-A'50-M'55), Group Mgr., Bizmac
 Engrg., RCA, Camden, N.J.

 POPADUK, GEORGE F. (M'53), Project Engr., Philco
 Corp., Western Dev. Labs., 3B75 Fabian Way, Palo Alto,
 Calif.

 POPE ANDREW F. (M'154)
- POPE, ANDREW E. (M'56), Sr. Engr., Martin Co.,
- Denver, Colo.
 POPE, BLAINE K. (S'57-M'59), Engr., Westinghouse
 Elec. Corp., Atomic Power Div., Idaho Falls, Idaho.
 POPE, GALE S. (A'54-M'55), Field Engr., Space Data,
 B921 Sepulveda, Los Angeles 45, Ca'if.
- POPE, JAMES C. (A'53), Assoc., Univ. of California, Berkeley 4, Calif.
- POPE, JAMES N., JR. (S'56-M'59), Project Engr., USAF, AROC Rome Air Development Center, Griffiss AFB, N.Y.
- POPE, LAWRENCE A. (A'49), Sylvania Elec. Prods., Inc.,
- POPE, LAWRENCE A. (A'49), Sylvania Elec. Prods., Inc., Emporium, Pa.
 POPE, MYRON G. (S'55-M'57), Engro., Western Elec. Co., Graham-Hopedale Rd., Burlington, N. C.
 POPE, ROBERT A. (A'52-M'57), Project Engr., Tele-Dynamics, Inc., 5000 Parkside Ave., Philadelphia 31, Pa.
 POPE, ROBERT H. (A'54-M'5B), Supvr., Data Reduction Equipment Sect., ARO, Inc., Box 162, Tullahoma, Tenn.
 POPE, WARREN S. (M'56), Research Engr., Missile Dev. Div., No. Amer. Aviation, Downey, Calif.
 POPE, WILLIAM T., JR. (A'47-M'47), Electronics Engr., USAF, Rome Air Development Center, Rome, N.Y.
 POPELOY, IVAN J. (S'51-A'52-M'57), Project Engr., GE. Co., Syracuse, N.Y.
 POPIK, MICHAEL J. (S'47-A'51-M'57), Engro. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 POPKIEWICZ, FRANK (A'53), Radio & TV Technician, Montgomery Ward & Co., 16630 Southfield Rd., Allen Park, Mich.

- Park, Mich.

 POPKIN-CLURMAN, J. R. (S'3B-A'42-SM'50), Pres. & Dir., Research Telechrome Mfg. Corp., 2B Ranick Dr., Amityville, L.J., N.Y.

 POPO01, ALFRED E. (SM'59), Sr. Engr., Westinghouse Elec. Corp., Baltimore 3, Md.

 POPOLOW, ROBERT H. (S'57-M'59), Staff Engr., Columbia Univ. Electronics Research Labs., 632 W. 125 St., New York 27, N.Y.

- POPOVICH, BORAH (A'47-SM'54), Chief, Flight Control Systems Design, Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.
- POPOVICH, CHARLES D. (A'54), Elec. Engr., The Corp. for Improvement of Elliot Lake District, Elliot Lake, Ont., Canada
- Canada ,
 POPOVICH , RICHARD G . (A'55) , Design Engr., Westinghouse Elec . Corp. , Metuchen , N. J.
 POPOW , GEORGE L . (S'58-M'59) , Test & Dev . Engr. ,
 Radio , Chrysler Corp. , 12800 Oaklatto , Dietroit 23 , Mich.
 POPOWSKY , WILLIAM J . (M'57) , Mgr. , Elec . Eng . Dept. ,
 Davies Labs . , Div . , Minneapolis -Honeywell Regulator Co . ,
 10721 Hanna St. , Beltsville , Md .
 POPP , DAVID R . (S'50-A'51) , Teacher , Mathematics , Lynwood High School , 12124 Bullis Rd . , Lynwood , Calif .
 POPP , FREDERICK G . (S'54-A'55-M'59) , Staff Mem. , MIT Lincoln Lab. , Lexington 73 , Mass .

- POPP, JOHN V. (M'56), Elec. Engr., Westinghouse Elec. Corp., Merchandise Mart Plaza, Chicago 54, Ill. POPP, ROBERT J. (S'53-A'54), Field Service Engr., GMC, 7929 S. Howell Ave., So. Milwaukee, Wis. POPPE, CHARLES W. (S'50-A'54), Lab. Mgr., Fairchild Camera & Instrument Corp., 5 Aerial Way, Syosset, L.I., N.Y.

- Mountain View Plant, Lynchburg, Va.
 POPPE, PETTER A. (S'53-M'56), Dev. Engr., GE Co.,
 Mountain View Plant, Lynchburg, Va.
 POPPE, PETTER A. (S'55-M'57), Plant Engr., Michigan
 Bell Tel. Co., 1365 Cass Ave., Detroit 26, Mich.
- Bell 1e1. Co., 1565 Cass Ave., Detroit 26, Mini. POPPE, RICHARD F., JR. (S'50-A'52-M'58), Research Engr., "A," Boeing Airplane Co., Plant 2, Seattle, Wash. POPPELBAUM, WOL.FGANG J. (A'55), Asst. Prof., Digital Computer Lab., Univ. of Illinois, Urbana, Ill. POPPELE, RICHARD E. (S'57-M'59), USS Perry, (DD844), FPO, New York, N.Y. (JES. M*164), Many. Toph. Seaff. Minibal Computer C

- Computer Lab., Univ. of Illinois, Urbana, III.
 POPPELE, RICHARDE C. (S'57-M'59), USS Perry, (DD844),
 FPO, New York, N.Y.
 POPPEN, LLOYD W. (S'55-M'56), Mem. Tech. Staff, Hughes
 Aircraft Co., Internatl. Airport Sta., Los Angeles 45, Calif.
 POPPER, JACK N. (A'52-M'56), V.P., Filmolm Corp.,
 4B W. 25 St., New York 10, N.Y.
 POPYLISEN, DANIEL M. (S'50-A'51-M'56), Engr., Arma
 Corp., Garden City, L.I., N.Y.
 PORAD, BERNARD L. (S'4B-A'50-M'56), Engr., Designer,
 Boeing Airplane Co., Box 3707, Seattle 14, Wash.
 PORATH, NACHUM (M'59), Design Engr., Remington-Rand
 Univac Div., 19 & Alleghany, Philadelphia 29, Pa.
 PORCELLO, LEONARD J. (S'57-M'59), Instr., Elec. Engrg.,
 Univ. of Michigan, Ann Arbor, Mich.
 PORAFF, FRANCIS P. (M'57), Electronics Engr., Genl.,
 Charleston Naval Shipyard, Naval Base, S.C.
 POREMBA, JOSEPH J. (S'54-M'57), Test Engr., Hamilton
 Standard Div., U.A. C., Broadbrook, Conn.
 PORITZKY, SIEGBERT B. (A'46-M'55), Electronics Engr.:
 Air Navigation & Traffic Control Div., Air Transport Assn. of
 America, 1000 Connecticut Ave., N.W., Washington, D. C.
 PORRAZZO, RALPH J. (SM'56), Poject Engr., U.S. Science
 Corp., 5221 W. 102, Los Angeles 45, Calif.
 PORRCEA, GUIDO (S'55-M'55), Elec. Engr., Naval Ordnance
 Lab., White Oak, Md.
 PORRO, EMO D. (M'5B), Mgr., Special Projects Sect., Pheem
 Semiconductor Corp., 327 Moffett Blvd., Mountain View,
 Calif.

- Calif.

 PORSCH, ALLAN W. (A'42-M'45-SM'56), Supvr. of Product Engra. Sylvania Elec. Prods., Inc., Brookville, Pa.

 PORTA, ARTHUR (S'56-M'5B), Jr. Project Engra., Curtiss-Wright Electronics Div., 631 Central Ave., Carlstadt, N.J.

 PORTANOVA, MICHAEL C. (S'50-A'51-M'57), Staff Engr., IBM, Kingston, N.Y.

 PORTANTINO, ANTHONY J. (S'50-A'51-M'56), Electronics Engr., U.S. Army Signal Research & Development Lab., Evans Area, Belmar, N.J.

 PORTARO, SAM A. (S'52-A'54-M'5B), Engr., Western Electric Co., on loan to Bell Tel. Labs., Chatham Rd., Winston-Salem, N.C.

 PORTELIA, ANTONIO, III. (A'56). Dir. Sabre- S. A. Brasil-

- Salem, N.C.
 PORTELIA, ANTONIO, III (A'56), Dir., Sabre- S.A. Brasileira de Radio Electricidade, Caixa Postal 5024, Rio de Janeiro, BrasilPORTELLA, SOPHIA M. (A'51-M'58), Engr., Natl. Bank for Economic Development 4B Sete De Setembro, Rio de
- Janeiro, Brazil.
- Janeiro, Brazil.

 PORTEOUS, J. W. (A'42-SM'52), Prof., Elec. Engrg.,
 Univ. of Alberta, Edmonton, Alta., Canada.

 PORTER, ANGUS H. (A'52-M'54), Engr. in Chq., Telecommunications, The Burma Oil Co. (1954), Ltd., Chauk, The
 Burmah Oil Co., (B.T.), Ltd., Rangoon, Burma.

 PORTER, ARTHUR D. (A'45-M'55), Design Engr., Raytheon
 Mig. Co., Wayland, Mass.

 PORTER, BERNARD W. (M'53), Engrg. Rep., The Thorson
 Co., 7361 Melrose Ave., Los Angeles 46, Calif.

 PORTER, BERT L. (S'55-A'57), Electronics Technician,
 Communications Accessories Co., Lee's Summit, Mo.
 PORTER, BURT C. (A'56), Owner, Burt C. Porter Co.,

- Communications Accessories Co., Lee's Summit, Mo. PORTER, BURT C. (A'56), Owner, Burt C. Porter Co., 4310 Roosevelt Way, Seattle 5, Wash.
 PORTER, CARL, JR. (A'53), Sr. Defense Contracts Rep., Corp., 14300 Tireman Ave., Detroit 2B, Mich.
 PORTER, EARL C. (M'5B), Process Engr., Semi-Conductor Div., Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Ariz.
- PORTER, ERNEST A. (A'4B-M'55), Pres., Boonton Elec-tronics Corp., 73B Speedwell Ave., Morris Plains, N.J. PORTER, EUGENE M. (A'56), Electronics Counter-Measures Officer, USAF, Lockbourne AFB, Columbus, Ohio. PORTER, FRANK M. (M'55), Dev. Engr., Union Carbide Nu-clear Co., Box P., Oak Ridge, Tennes, MISB). Earn. Dock

- clear Co., Box P, Oak Ridge, Tenn.

 PORTER, FREDRICK A, (A:53-S'55-M'5B), Engr., Dept. of Air Force, Washington, D.C.

 PORTER, FREDRIC K. (S'56-M'57), Flight Test Engr., Convair, Grant Lane, Ft. Worth, Tex.

 PORTER, GENE C. (S'54-A'54), Engrg. Aide., Stromberg-Carlson, 1400 N. Goodman St., Rochester 9, N.Y.

 PORTER, GERRY D. (S'57-A'5B), Engr., WLAM Radio, Lewiston, Me.

 PORTER, GLENDON R. (S'47-A'47-M'55), Electronics Engr., Bell Tel. Labs., B01 Merrit Dr., Greensboro, N.C.

 PORTER, HARRY F. (A'30-VA'39-SM'51), V.P., Executive Engr., Magnetic Metals Co., Hayes Ave., & 21 St., Camden, N.J.

 PORTER, HARRY R. (M'56), Electronics Engr., United Gas
- PORTER, HARRY R. (M'56), Electronics Engr., United Gas Corporation, Box 1407, Shreveport, La. PORTER, HENRY J. (S'5B-M'59), RCA, Box 5BB, Burling-ton, Mass.
- ton, Mass.

 PORTER, HOWARD A. (A'45), Engr.-in-Chg., CBS, 485

 Madison Ave., New York 22, N.Y.

 Wastington

- Madison Ave., New York 22, N.Y.

 PORTER, HWARD D. (A'54), TV Design Engr., Westinghouse
 Elec. Corp., Metuchen, N.J.

 PORTER, HUGH JR. (A'55), Field Supvr., Seismic Explorations, Inc., 2615 Selvig Lane, Billings, Mont.

 PORTER J. WAYNE (M'56), Systems Engr., RCA Victor,
 Moorestown, N.J.

 PORTER, JACK R. (S'47-A'50-M'56), Pres. & Chief Engr.,
 Furter Engry. Cu., 619 Elm St., Cincimati, Ohio.

 PORTER, JAMES R. (A'53-M'58), Mgr., Field Test Engrg.,
 Missile & Space Vehicles Dept., GE Co., 3198 Chestnut
 St., Philadelphia 4, Pa.

 PORTER, LOFE R. (M'49). Flectronics Engr., Hors.,
- PORTER JOE B. (M'49), Electronics Engr., Hors., USAF Security Service, San Antonio, Tex. PORTER, JOHN B. (M'156), Electronics Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.

- PORTER, JOHN C, JR. (S'5B-M'59), Sr. Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif. PORTER, JOHN H. (M'56-SM'5B), Pres., Portronics, Inc., 5130 Melvin Ave., Tarzana, Calif.
- 5130 Meivin Ave., Farzana, Calli.
 PORTER, JOHN W. (AF57), Electronics Engr., Convair,
 Pomona, Calif.
 PORTER, KENNETH W. (M'56), Project Engr., Motorola,
 Inc., 3102 N. 56 St., Phoenix, Ariz.
 PORTER, LAWRENCE E. (S'5B-M'59), Electronics Engr.,
 Wright-Patterson AFB, Ohio.

- PORTER, LAWRENCE E. (S'5B-M'59), Electronics Engr., Wright-Patterson AFB, Ohio PORTER, LOUIS K. (M'57), Box 7, Edwards. Calif. PORTER, NOEL E. (M'47-SM'53), V.P., Mfg., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. PORTER, PHILLIP T. (M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill. N.J.
 PORTER, RAYMOND J. (A'5B), Project Engr., Stemar Publications, Inc., 2415 Amsler, Box 6B, Lomita, Calif. PORTER, RICHARD W. (SM'56), GE Co., 570 Lexington Ave., New York 22, N.Y.
 PORTER, ROBERT L. (S'5B-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. PORTER, ROBERT R., JR. (A'5B-M'59), Reliability Engrg. Group Leader, Raytheon Mfg. Co., Wayland, Mass.
 PORTER, RONALD G. (A'56), Techniclan, Canadian Armament Research & Development Est., Val Cartier, Quebec, P. Q., Canada.
 PORTER, SCOTT T. (A'57-M'5B), Engr., Electronic Tube DIV., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 DORTER, SCOTT T. (A'57), Project Engr., Army Ballistic Missile Agency, ORDAB-DGNC, Redstone Arsenal, Ala. PORTER, THOMAS J. (A'47-M'55), Engrg., Dent., The Electric Tachometer Corp., 6B & Upland Sts., Philadelphia 42, Pa.
 PORTER, VINCENT J. (M'55), Mgr., Magnetic Recording Dev., Dent., Reminton Rand Univae. Rox 5616. Phila-
- PORTER, VINCENT J. (M'55), Mgr., Magnetic Recording Dev. Dept., Remington Rand Univac, Box 5616, Phila-delphia 29, Pa.
- PORTER, WILLIAM J., JR. (S'55-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif, PORTER, WILLIAM R. (S'4B-A'50-M'55), USN, Home: 412 S. Parton St., Santa Ana, Calif.

- 412 S. Paron St., Santa Ana, Vail.
 PORTERFIELD, CECIL P. (M'55), V.P. & Genl. Mgr.,
 The Method X Div., Firth Sterling, Inc., 3113 Forbes St.,
 Pittsburgh 30, Pa.
 PORTERFIELD, ERIK A. (A'4B-M'55), Chief Dev. Engr.,
 Columbia Records, Inc., 799 7 Ave., New York 19, N.Y.
 PORTERFIELD, FRED B. (M'56), Dev. Engr., IBM,
 Endicott, N.Y.
- Endicott, N.Y.

 PORTERFIELD, HAROLD D. (5'57-M'5B), Electronics
 Engr., ACF Industries, 336 Woodward Rd., S.E.,
 Albuquerque, N.M.

 PORTMANN, PIERRE A. (M'46), Advisory Engr., Westinghouse Elec. Corp., Friendship Internati
- PORTNOY, ALVIN (S'47-A'49-M'54), Sr. Project Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- POSKLETH Union Lelegraph Co., 60 Hudson St., New York 13, N.Y.

 PORTS, DELMER C. (A'3B-SM'45), V.P., Jansky & Bailey, 1339 Wisconsin Ave., N.W., Washington 7, D.C.

 PORTZ, H. GLENN, JR. (S'47-A'49-M'55), Design Engr., GE Co., Mt. View Rd., Jynchburg, Va.

 POSAKONY, GERALD J. (M'57), Genl. Mgr., Research Div., Automation instruments, Inc., Industrial Park, Boulder, Colo.

 POSAKONY, PAUL R. (M'57), Owner-Mgr., Scientific Instrument Co., 1435 S. Milwaukee St., Denver 10, Colo.

 POSEN, LAWRENCE M. (M'5B), Project Engr., Beltone Hearing Aid, 2900 W. 36 St., Chicago 32, Ill.

 POSIVAK, JOHN S., JR. (S'55-M'56), Jr. Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- POSKLENSKY, DAVID (A'55), Staff Engr., IBM, Kingston, N.Y.
- Kingston, N.Y.

 POSKLENSKY, GEORGE (A¹56), Radio & TV Instr.,
 477 E. 52 St., Brooklyn 3, N.Y.

 POSNER, SOLOMON (S¹52-M¹57), Computer Design,
 Belock Instruments Corp., 111-01 14 Ave., College
 Point 56, L.I., N.Y.

- DEFUNCTION OF THE PRINT OF THE PRINT OF THE PRINTS OF THE

- York, N.Y.

 POSSNER, LOUIS (M'5B), Co-owner, Avionic Supply, 5790 Washington Blvd., Culver City, Calif.

 POST, BERNARD S., DR. (A'59), Physician, BB2 Flushing Ave., Brooklyn 6, M.Y.

 POST, DONALD F. (M'59), Assoc. Research Engr., Boeing Airplane Co., Renton, Wash.

 POST, EDCAR A. (A'37-SM'47), Mgr., Radio & Weather Sciences Lab., Stanford Research Institute, Menlo Park, Calif.
- Calif.

 POST, FREDERICK L. (A'52-M'57), Advisory Engr., IBM, Poughkeepsie, N.Y.
 POST, GAYLE E. (S'57-M'59), Electronics Engr., Hoffman Labs., 3717 So. Grand, Los Angeles 7, Calif.
 POST, GEOFFREY (S'4B-A'51-M'56), V.P., Engrg., Gensys Corp., 10131 National Bivd., Los Argeles 34, Calif.
- 34, Call.
 POST, M. DEAN (SM'57), Special Asst. to Deputy Dir.,
 Natl. Security Agency, Washington 25, D.C.
 POST, MALCOLM O. (S'49-A'50), Research Engr., Boeing
 Airplane Co., Seattle B, Wash.
 POST, ROBERT D. (S'4B-A'50-M'55), Advanced Planning
 Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.
 POST, ROBERT E. (M'58), Instr., Iowa State College, Ames,
- POST, ROGER (S'58-A'59), Field Engr., Link Aviation,
- Inc., Binghamton, N.Y.
 POST, RUSSELL H. (S'54-M'56), Electronics Engr.,
 Canoga Div., Underwood Corp., 77 Eglin Hwy., Ft.
 Walton Beach, Fla.
- Walton Beach, Fla.

 POSTAL, ROBERT H. (A'51), Head, Tech. Service Dept.,
 Edison Research Lab., Thomas A. Edison, Inc., 51 Lakeside Ave., West Orange, N.J.
 POSTEMA, GERRIT B. (M'57), Sr. Engr., Raytheon Mfg.
 Co., Wayland, Mass.

- PDSTERNAK, HYMAN (A'49), Electronics Engr., Picatinny Arsenal, Dover, N.J.

- PDSTERNAK, HYMAN (A'49), Electronics Engr., Picatinny Arsenal, Dover, N.J.
 POSTHILL, BERTIN N. (A'53), Principal Engr., Consolidated Electrodynamics Corp., 3DD N., Sierra Madre Villa, Pasadena, Calif.
 POSTLE, ALBERT H. (A'47-M'55), Colonial Blvd., Williamstown, Mass.
 POSTMAN, MONRDE H. (S'44-A'50-M'55), Engrq. Group Supvr., Computer Div., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 POSTON, HENRY J. (A'577), Research Metallurgist, American Zinc Co. of Illinois, Box 495, East St. Louis, Ill.
 POSTON, MELVIN H. (M'55), Sr. Engrq. Design, Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 PDSTOVE, HERMAN (M'59), Sales Engr., Philoc Corp., Gal Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 POSWIATOWSKI, WALTER C., Ill (A'57), Sr. Tech. Information Analyst, Chrysler Corp., Box 262B, Detroit 31, Mich.
 POTASH, JEROME (A'51-M'57), Chief Engr., Ortho-Filter Corp., 196 Albion Ave., Peterson, N.J.
 PDTASZ, PAUL J. (M'59), Radio instr., Western College of Radio & Television, 735 Larkin St., San Francisco, Calif.
 POTE ALERED I. (A'41-SM'4B), Exer., V.P., Hydon

- of Radio & Television, 735 Larkin St., San Francisco, Calif.

 POTE, ALFRED J. (A'41-SM'4B), Exec. V.P., Hycon Eastern, Inc., 75 Cambridge Pkwv., Cambridge 42, Mass.

 POTE, WILLIAM J. (S'50-A'54-M'5B), Test Engr., Genl. Radio Co., 375 Massachusetts Ave., Cambridge 39, Mass.

 POTEET, DANIEL P. (A'17-VA'39), Col., U. S. Army, Retired, 113 Rumson Rd., Little Silver, N.J.

 POTERACKE, JAMES L. (S'48-A'51-M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 POTHER, ROBERT G. (M'56), Microwave Engr., Sanders Associates, 137 Canal St., Nashua, N.H.

 POTICNY, JOSEPH (M'57), Group Engr., Goodyear Aircraft Corn., 1210 Massillon Rd., Akron 15, Ohio.

 POTOCKI, EDWARD A. (M'56), Project Engr., Amphenol Electronics Corp., 1830 S. 54 Ave., Chicago 50, III.

 PDTOK, EUGENE R. (M'59), Mgr., Off-Line Systems, IBM, Poughkeepsie, N.Y.

 PDTOK, MICHAEL H.N. (M'5B), Tech. Officer, Cavendish Lab., Univ. of Cambridge, Free School Lane, Cambridge, England.

- PDTOSKY, MAURICE (S'50-A'52-M'57), Electronic Scientist, U. S. Naval Air Development Center, Johnsville, Pa.

- PDTOSKY, MAURICE (S'50-A'52-M'57), Electronic Scientist, U. S. Naval Air Development Center, Johnsville, Pa.
 Scientist, U. S. Naval Air Development Center, Johnsville, Pa.
 POTTER, CHARLES E. (S'52-A'53-M'58), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo, N.Y.
 POTTER, DAVID W. (S'57-M'58), Jr. Physicist, Electronic Design, Brookhaven Natl. Lab., Upton, L. 1., N.Y.
 POTTER, ELVIN H. (A'35-VA'39-SM'48), Design Engr., RCA, Moorestown, N.J.
 POTTER, FRANK J. (A'55), Sr. Elec. Engr., Stromberg-Carlson Co., 10D Carlson Rd., Rochester 3, N.Y.
 POTTER, FRED N. (M'59), Owner, Biltmore Electronics, 3300 Havendale Blvd., Winter Haven, Fla.
 POTTER, HAROLD C. (S'47-A'50-M'5B), Sales Mgr., Detection Equipment, GE Co., Utlca, N.Y.
 POTTER, JAMES L. (A'31-Sm'44-F'57), Prof. & Chmin, Elec. Engrg. Dept., Rutgers Univ., New Brunswick, N.J.
 POTTER, JERRY D. (A'43), Engr., J.D. Potter Co., 3049 N. Sheffeld Ave., Chicago 14, III.
 POTTER, JOHN T. (A'41), Pres., Potter Instrument Co., Inc., 115 Cutter Mill Rd., Great Neck, L.I., N.Y.
 POTTER, NORMAN (A'57), Tech & Educational Training Consultant, Capitol Radio Engre. Institute, 318 Lincoin Ave., Rockville Centre, L.I., N.Y.
 POTTER, NORMAN (A'57), Tech & Educational Training Consultant, Capitol Radio Engre. Institute, 318 Lincoin Ave., Rockville Centre, L.I., N.Y.
 POTTER, NORMAN (A'30-VA'39), Head of Electronics Lab., Natl. Carbon Co., Box 6056, Cleveland 1, Ohio.
 POTTER, NORMAN S. (SM'58), Fellow Engr., Weapons Systems Group Leader, Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.
 POTTER, NORMAN S. (Sh'58), Sr. Research Engr., California Institute of Technology, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.
 POTTER, RAMPOND S. (S'50-A'52-M'56), Electronic Scientist, Naval Research Lab., Washington 25, D.C.
 POTTER, ROBERT E. (A'53), Transistor Circuitry Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- Va.
 POTTER, RDBERT E. (A'53), Transistor Circuitry Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 POTTER, RDNALD W. (S'54-A'55), Electronics Engr.,
 Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 POTTER, WILLIAM H. (A'54), Assoc. Research Physicist,
 Willow Run Labs., Univ. of Michigan, Box 2008, Ann
 Arbor, Mich.

- ATOUT, MICH.

 POTTER, WILLIAM S. (A'51), Pres., Concerto Room.
 Inc., Grant, Pittsburgh 19, Pa.

 POTTHOFF, CLIFFORD M. (S'57-M'58), Staff Mem.,
 Sandia Corp., Box 969, Livermore, Callf.

 POTTS, DAVID L. (M'58), Engr. 1. Electronic Speciality
 Co., Inc., 5121 San Fernando Rd., Los Angeles 39,
 Calif.
- POTTS, H. RONALD (S'53-A'55), Test Engr., IBM,
- Endicott, N.Y.

 POTTS, JAMES B. (A'54), Engr., Systems, Defense Electronic Prods., RCA, Camden, N.J.

 POTTS, RAYMOND B. (S'51-A'55-M'56), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 POTTS, THOMAS J., JR. (A'47-M'52-SM'56), Project Engr., Natl. Co., Inc., 61 Sherman St., Malden 48, Mass.
- Mass.

 POTVIN, LOUIS H. (A'55), Managing Dir., S & T Sales.
 Ltd., 120 E. Cordova St., Vancouver 4, B.C., Canada.

 POTWARDOWSKI, BERNARD (S'56-M'58), Electronics
 Engr., Interstate Lelectronics Co., 707 E. Vermonk,
 Anaheim, Calif.

 POUCHER, RUDOLPH A., JR. (M'54), Branch Mgr.,
 Neely Enterprises, 1317 15 St., Sacramento 14, Calif.

 POULIN, ROBERT A. (S'49-A'50-M'56), Engr., Tektronix,
 inc., Box 831, Portland 7, Ore.

 PQULIOT, JEAN A. (A'46-M'55), Genl. Mgr., Television
 oe Quebec (Canada)

 POULIOT, LEPOPOLD J. (A'58), Jr., Flec, Engr., Melpar.

- Canada.
 POULIDT, LEOPOLD J. (A'58), Jr. Elec. Engr., Melpar, Inc., 11 Galen St., Watertown, Mass.
 POULOS, BASIL J. (A'53), Instrumentation Engr., Grumman Aircraft Corp., Bethpage, L.I., N.Y.

- POULDS , PETER S. (SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. POULSEN, HARDLD L. (A'54), V.P. & Genl. Mgr., CG Electronics Corp., 150DD Central, E., Box B345, Albuquer-que, N.M.
- PDULSEN, JOHN E. (S'51-A'55), Research Engr., Lockheed Missile & Space Div., Page Mill Rd., Palo Alto, Calif.
- Alto, Calif.

 POULSEN, NEILS R. (S'56-M'5B), 33D0th Pilot Training Group, Graham AFB, Fla.

 POULSEN, SWENN, W. I. (S'57-M'57), Elec. Engr., Philips Telecommunication, Prags Blvd. BO, Copenhagen, Danased Communication, Prags Blvd. Bo, Copenhagen, Prags Blvd. Bo,
- Denmark.

 POULSON, WILLIAM A. (A'43-M'55), Flight Test Engr.,
 Convair-Astronautics, Box 1536, Vandenberg AFB, Calif.

 POULTER, HOWARD C. (S'45-A'52-M'56), Dev. Engr.,
 Hewlett-Packard Co., Palo Alto, Calif.

 POULTER, HUBERT M. (M'55), Sr. Electronics Engr.,
 Melpar, inc., 3000 Arlington Blud, Falls Church, Va.

 POULTER, R. C. (A'30-M'37-SM'43), Dir. of Education,
 Radio College of Canada, B6 Bathurst St., Toronto 2B,
 Ont., Canada.

- Radio College of Canada, B6 Bathurst St., Toronto 2B, Ont., Canada.

 POUND, ALAN E. (S'51-A'52-M'57), Project Engr., Philoc Corn., 3B75 Fabian Way, Palo Alto, Calif.

 POUND, ALFRED W. (M'55), Dev. Engr., Aerojet Genl. Corp., Sacremento, Calif.

 POUND, EARL F. (S'51-A'54), Electronics Engr., Univ. of Utah, Exolosives Research, Salt Lake City, Utah.

 POUND, JOHN P. (A'39-M'46), in Cho., R. F. Heating Div., Pye, Ltd., 2B James St., Cambridge, England.

 PDUNDSTONE, JOHN R. (S'49-A'51-M'58), Supt., Poundstone Electric Co., 1215 Sunnyside Ave., Porterville, Calif.

 POUNDETT, FRANK H.R. (A'26-SM'44-F'47), Genl. Mgr., Engrg. & Mfg., Radio & TV Div., Philips Electronics Industries, Ltd., 116 Vanderhoof Are., Toronto 17, Ont., Canada.

- Industries, 116 Vandemoor A/e., I dronto 17, ont., Canada.
 PDUPARD, ROBERT E. (S'54-M'58), Assoc. Engr., IBM, Owego, M.Y.
 POURCIAU, LOUIS L. (A'51-M'56), Dept. Head, Genl. Precision Lab., 63 Beford Rd., Pleasantville, N.Y.
 PDURNELLE, JERRY E. (A'58), Research Engr., Boeing Airplane Co., Box 3707, Seattle 5, Wash.
 POURTALES, JAMES R. (A'53-M'58), Project Engr., Resdel Engrg. Corp., 330 So. Fair Oaks, Pasadena, Calif.
 POUV, ROBERT H. (M'56), Supv., Production Engrg. Dept., Sylvania Elec. Prods., Inc., Muncy, Pa.
 POVEDA, HUMBERTO (A'56), Electronics Technician, Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul 4, Minn.
 POVICH, JOSEPH (A'5B), Quality Control Mgr., Gulton Industries, Inc., 212 Durham Ave., Metuchen, N.J.
 POWELL, ALBERT E. (A'56), V.P., Byford Labs, Inc., 139 Hoyt St., Mamaroneck, N.Y.

- 139 Hoyl St., Mamaroneck, N.Y., Byroro Labs, Inc.,
 139 Hoyl St., Mamaroneck, N.Y.
 POWELL, C. SPENCER (S'41-A'45-M'55), Group Supvr.,
 Engra. Methods, Automatic Electric Co., North Lake, III.
 POWELL, CARL (M'56), Elec. Engr., Avion Div., ACF
 Industries, Parámus, N.J.
 PDWELL, DAVID R. (S'52-A'54-M'59), Telemetering
 Engr.. Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.
 POWELL, ONALD S. (A'46-SM'53), Laison Engr.,
 Convair & Cubic Corp., RCA, San Diego, Calif.
 POWELL, FRANKLIN E., JR. (S'49-A'51), Prod. Designer,
 GE Co., Syracuse, N.Y.
 POWELL, FREDERIC D. (SM'57), Systems Analysis Group
 Leader, Automatic Landing Sect., Sell Aircraft Corp., Box
 1, Buffalo 5, N.Y.
 POWELL I JAMPS W. (A'5R), Scismic Instrument Mechanic

- POWELL, JAMES W. (A'5B), Scismic Instrument Mechanic, Sun Oil Co., Box 2B31, Beaumont, Tex. POWELL, JOHN M. (A'52-M'5B), Asst. PhysicIst, Chicago Midway Labs., 6220 S. Drexel, Chicago 37, III.
- POWELL, K. DEAN (M'57), Microwave Dev. Engr., West-inchouse Elec. Corp., Hørseheads, N.Y. POWELL, KENNETH F. (A'54), Regional Coordinator, Applied Science Training, IBM, BO E. Jackson Blvd., Chicago, III.
- Chicago, III.

 POWELL, L. ALFRED (M'59), Project Engr., Collins
 Radio Co., 2700 W. Olive Ave., Burbank, Calif.

 POWELL, LEROY W. (M'57), Electronics Engr., Missile
 Systems, Convair-Astronautics, Atlantic Missile Range,
 Cape Canaveral, Fla.

 POWELL, LOUIS H. (J'27-A'30-VA'39), Group Chief, Western Electric Co., Chatham Rd., Winston-Salem, N.C.
- POWELL, RICHARD A. (A'5B), Sales Engr., GE Co., Syracuse. N.Y.
- POWELL, RICHARD F. (M'55), Quality Control Engrg. Dept., Head, Sprague Electric Co., B7 Marshall St., North Adams, Mass.

- Mass.
 POWELL, RICHARD L. (S'57-M'59), V.P., Powell Electric, Corp., Box 1722, Albuquerque, N.M.
 POWELL, ROBERT C. (S'49-A'50-M'58), Physicist, Natl. Bureau of Standards, Boulder, Colo.
 POWELL, ROBERT I. (M'56), Chief, Engrg. Branch, U.S. Army Signal Supply Center, Far East, APO 503, San Francisco, Calif.
- POWELL, ROBERT M. (A'45-M'51), Dept. Mogr., Lockheed Missile Systems Div., Sunnyvale, Calif.
 POWELL, ROBERT V. (M'58), Research Engr., Jet Propulsion Lab., 4800 Oak Grove, Pasadena, Calif.
 POWELL, STANLEY C. (S'57-M'59), 4803 El Campo, Ft. Worth. Tex.

- POWELL, STANLEY C. (S'57-M'59), 4803 El Campo, Ft. Worth. Tex.

 POWELL, TED (A'41), Engrg. Aide, Hazeltine Research Corp., Little Neck 62, L.I., N.Y.

 POWELL, WALTER E., JR. (S'51-A'52-M'56), Electronics Engr., RCA, Moorestown, N.J.

 POWELL, WILLIAM K. (S'55-M'57), Western Region Training Administrator, RCA Service Co., 911 N.

 Orange Dr., Hollywood, Calif.

 POWER, DONNELL W. (SM'49), Engr., RCA, Harrison, N.J.

 POWER, DONNELL W. (SM'49), Engr., CE Co., Utica. N.Y.

 POWER, JOHN B. (A'55), Engr., CE Co., Utica. N.Y.

 POWER, JOHN B. (A'54), Electronic Scientist, Naval Air

 Development Center, Johnsville, Pa.

 POWERS, AARON B. (S'40-A'44-M'45-SM'55), Head, Missile Evaluation Dept., USN Ordnance Lab., Corona, Calif.
- POWERS, CARL R. (S'55-M'5B), 1D6 & Airport Rd., Everett, Wash. POWERS, DEAN A. (M'46), Research Assoc., Lab. for Insulation Research, MIT, Cambridge, Mass.

- POWERS, DONALD M. (5'42-A'44-M'55), Mgr., Alrborne Electronics Dept., Martin Co., Orlando, Fla.

 POWERS, EARL N. (5'55-M'57), Research Engr., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 PDWERS, EDWARD J., JR. (5'57-M'58), 87 Whitney Rd., Medford'55, Mass.

 POWERS, ERNEST W. (M'53), Pres., Welex Electronics Corp., 15th & H Sts., N. W., Washintoon 5, D. C.

 POWERS, FREDERICK W. (A'55), Chief, Dev. Branch, Quartermaster Airborne Systems Test Div., Yuma Test Sta., Ariz.

- Quartermaster Airborne Systems Test Div., Yuma Test Sta., Ariz.

 POWERS, GEORGE L. (S'57-M'59), Jr. Engr., Philco Copp., 3875 Fabian Way, Palo Alto., Calif.

 POWERS, HOMER C. (A'53), Elec Engr., Redstone Arsenal, U.S. Army, Huntsville, Ala.

 POWERS, JAMES D. (M'5B), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 POWERS, JOHN S. (A'44-M'50), Chief Electronics Engr., Bell & Howell Co., 7100 McCormick Rd., Chicago 45, Ill.

 POWERS, JOHN S. (A'44-M'50), Engr., Sect. Head, Sperry Utah Engr., Lab., Salt Lake City, Utah.

 POWERS, KEITH G. (S'55-M'56), Systems Engr., Consolidated Systems Copp., 1500 S. Shamrock, Monrovia, Calif.

 POWERS, KERNS H. (S'4B-A'52-M'57-SM'59), Mem. Research Staff, RCA Labs., Princeton, N.J.

 POWERS, RICHARD E. (A'58), Sr. Lab. Test Technician, Avoc Research & Development Div., Lawrence, Mass.

 POWERS, RICHARD J. (S'56-M'57), Asst. Engr., Raytheon Mfg. Co., Wayland, Mass.

 POWERS, ROBERT (M'59), Electronics Scientist, Rome Air Development Center, Griffiss AFB, N.Y.

 POWERS, ROBERT L. (S'56-M'57), Tech. Engr., IBM, Kingston, N.Y.

- POWERS, ROBERT L. (S'56-M'57), Tech. Engr., IBM, Kingston, N.Y.
 POWERS, THOMAS G. (M'55), Radar Field Engr., Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, III.
 POWERS, TOM L. (S'56-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 POWERS, WALTER F. (A'55-M'59), Test Engr., Erco, ACF Industries, Riverdale, Md.
 POWLES, FREDERICK T. (A'30-VA'39-SM'4B), Radio Engr., Naval Research Lab., Washingston 20, D.C.
 POWLEY, ALLAN T. (M'55), Chief Engr., Evening Star Broadcasting Co., 4461 Connecticut Ave., N.W., Washington, D.C.
 POWLEY, RICHARD K. (A'55), Mgr., Communication Div., Cowley Electronic Services, Ltd., 1023D 109 St., Edmonton, Alta., Canada.
 POYNTER, LLOYD, JR. (A'53), Electronics Engr., U.S. Government, Washington, D.C.
 POZDOL, ANDREW J. (S'49-A'50-M'54), Sales Engr., Raytheon Mfg. Co., 9501 W. Grand Ave., Franklin Park, III.
 PDZNANSKI, ZDZISLAW J. (S'48-A'51-M'56)

- PDZNANSKI, ZDZISLAW J. (S'48-A'51-M'56), Engr., Canadian Marconi Co., Ltd., Trenton Rd., Montreal, P.Q., Canada.
- POZNIAK, JOHN H. (A'54), Instr., Ferris Institute, Big
- Rapids , Mich.

 POZORSKI, JOHN J. (S'55-M'58), Dev. Engr., Johnson Service Co., 507 E. Michigan St., Milwaukee 1, Wis.

 PRABHAKAR, ALLADI (M'56), Scientific Officer, Ministry of Defence, Govt. of India, Institute of Ammament Studies, Kirkee Poona 3, Bombay State, India.

 PRACHE, P. M. (A'45-M'46), Dir., Research, Lignes Telegraphiques et Telephoniques, 89 Rue de la Faisanderie, Paris XVI, France.

- graphiques et Telephoniques, 89 Rue de la Faisanderie, Paris XVI, France.

 PRADAL, HUGO A. (A'40), Rua Justiniano, Rocha 131-Vila Isabel, Rio De Janeiro, Brazil.

 PRADD, DAVID (S'58-M'58), Assoc. Engr., Douglas Aircraft Co., Inc., White Sands Missile Range, N. M.

 PRAEG, WALTER F. (A'56-M'57), Supvr., Communication Engrg., British Columbia Engrg. Co., Ltd., 570 Dunsmuir, Vancouver, B.C., Canada

 PRAEGER, WILLIAM C. (M'56), Sr. Engrg. Writer, Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 PRAGER, LAWRENCE (A'59), Logic Designer, The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 PRAGER, LAWRENCE (A'59), Logic Designer, The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 PRAGER, RELVIN (S'56-M'58), Elec. Engr., Raytheon Mfg. Co., Wavland, Mass.

 PRAGER, ROGER H. (S'55-M'56), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif.

 PRAGER, SAUL (S'56-M'5B), Tech. Rep., 1930th AACS

 Oper. Loc. 718th AC&W, Unalakleet AF Sta., Alaska.

 PRAGLIN, JULIUS (M'56), V.P., Research, Keithley Instruments, Inc., 12415 Euclid Ave., Cleveland 6, Ohio.

 PRAKASH, K. S. SREE (A'5B), 1404-4 1st Main, Bangalore 3, India.

 PRAMANN, ROBERT F. (S'56-M'5B), Research & Dev. Engr., Hewlett-Parkard Co., 275 Paum Mill. Palo Alto. Calif.
- rore 3, India.

 PRAMANN, ROBERT F. (S'56-M'5B), Research & Dev. Engr., Hewlett-Packard Co., 275 Paye Mill, Palo Alto, Calif.

 PRANITCH, JOSEPH (A'47), Field Engr., Reeves Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y.

 PRANKE, JOHN A. (A'54), Physicist, Rome Cable Corp., Rome, N.Y.
- PRANKE, JOHN A. (A:D41, FINSILISE, NOISE CONSTRUCTION OF THE PROME, N.Y.

 PRASIL, ANTHONY (S'44-4'45-M'55), Desion Engr., Eastman Kodak Co., 121 Lincoln Ave., "Rochester 11, N.Y.

 PRASINOS, TRIFON (S'50-A'51-M'56), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 PRAST, JOHANNES W. (A'53), Project Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 PRATHER, ARLIE W. (M'47), Sales Mgr., Western Radio & Television Supply Co., 1415 India St., San Diego 1, Calif. PRATHER, JACK E. (S'56-M'58), 954 Pammel Ct., Ames, lowa.
- PRATHER, RODERIC D. (S'50-A'52-M'57), Chief Engr., Simmons Mfg. Co., Inc., 14924 Downey Ave., Paramount, Calif.
- Calif.

 PRATHER, RONALD E. (S'54-M'56), Asst. Prof., Elec. Engre., San Jose State College, San Jose, Calif.

 PRATOR, JOHN C., JR. (S'58-M'59), Electronics Engr., Wiley Electronics Co., 2045 W. Cheryl Dr., Phoenix, Ariz.
- Ariz.

 PRATT, AMASA (M'47-SM'51), Chief, Electronic Installations Sect., Martin Co., Baltimore 3, Md.

 PRATT, BLANCHARD (S'51-4'52-M'57), Research Assoc.,
 Thaver School of Engrg., Hanover, N.H.

 PRATT, DANA (S'32-A'36-SM'55), Mgr., Field Sales,
 Broadcast Equipment, RCA, Camden, N.J.

 PRATT, DISTINNE (M'57) S.F. Forg. Malory, Jon. 3000
- PRATT, DUSTINN E. (M'57), Sr. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. PRATT, ELDEN E. (M'57), Consulting Engr., Renner, Inc., 1516 Lombard, Philadelphia, Pa.

- PRATT, FEARING (A'24-VA'39), Massachusetts Radio & TV Sales Supvr., New England Telephone & Telegraph Co., 50 Oliver St., Boston, Mass.
- PRATT, GEORGE W. (A'43-M'51), Mgr., Tube Operations, Lansdale Tube Co., Church Rd., Lansdale, Pa. PRATT, HARADEN (A'14-M'17-F'29)(L), Consultant, Wake Robin Lane, Stamford, Conn.

- RATT, HAROLD, J. JR. (M'56), Research Engr., Melpar, Inc., 43 Leon St., Boston, Mass.
 PRATT, HAROLD, J. JR. (M'56), Research Engr., Melpar, Inc., 43 Leon St., Boston, Mass.
 PRATT, HARVEY A. (M'47), Tech. Ald., Diamond Ordnance Fuze Labs., Washington 25, D. C.
 PRATT, J. W., JR. (A'42-M'52), Supvr., Ground Support Equipment, Douglas Aircraft Co., El Segundo, Calif.
 PRATT, JOHN D. (A'54), Field Engr., RCA Service Co., Camden 2, N.J.
 PRATT, JOHN H. (A'43-M'45-SM'48), Engrg. Group Leader, RCA, 11B19 W. Olympic Bivd., Los Angeles 64, Calif.
 PRATT, EE M. (S'50-A'51-M'57), Sr. Engr., Elsco
 Systems, Inc., 3B2S Stone Way, Seattle 3, Wash.
 PRATT, RICHARD E. (A'5B), Military Field Engr., Motorola, Inc., 2710 N. Clybourn Ave., Chicago, III.
 PRATT, ROBERT E. (A'52-M'57), Components Engr., GE
 Co., 13430 N. Black Canyon Hwy., Phoenix, Ariz.
 PRATT, ROBERT E. (A'47-M'4B), Project Engr., IBM, Endicott, N.Y.

- Endicott, N.Y.

 PRATT, RUSSELL, J. (A'5B), Prof., Elec. Dept., Broome Tech. Community College, Front St., Binghamton, N.Y.

 PRATT, STANLEY L. (M'5B), Design Engr., Motorola, Inc., B330 Indiana Ave, Riverside, Calif.

 PRATT, THOMAS B., JR. (M'56), Asst., Supt., Engrg., Western Electric Co., 220 Church St., New York 13, N.Y.

 PRATT, WILLIAM H. (S'55-M'57), Assoc. Engr., IBM, Endicott, N.Y.

 PRAVDA, MILTON F. (S'47-A'49-M'55), Supvr., Knolls Atomic Power Labs., Schenectady, N.Y.

 PRAWDZIK, CHARLES A. (M'54), V.P. & Dir., Engrg., Industro Transistor Corp., 35-10 36 Ave., Long Island City, N.Y.

- PRAMDZIK, CHARLES A. (M'54), V.P. & Dir., Engrg., Industro Transistor Corp., 35-10 36 Ave., Long Island City, N.Y.
 PRAY, EDWIN B. (A'44-M'46), Quality Control Supvr., Sylvania Flec. Prods., Inc., Winchester, Ky.
 PRAY, G. EMERSON (M'41-SM'43), Asst. to Pres., Dresser Industries, Inc., Republic Bank Bldg., Dallas 1, Tex.
- Tex.
 PREBER, WALTER J. (S'56-M'59), Assoc. Engr.,
 Douglas Aircraft Co., Santa Monica, Calif.
 PREBSTER, MAURICE T. (M'5B), Engr., Sperry Gyroscope
 Co., Great Neck, L. J., N. Y.
 PRECHTEL, CLEMENT J. (M'5B), Engr., Transmitter,
 Westinghouse Broadcasting Co., B15 Superior Ave.,
 Cleveland 14. Ohio Westinghouse Broade
- PREDMORE, EDMARD E. (S'46-A'49-M'55), Project Engr., Airborne Instrument Lab, Inc., 1345 New York Ave., Huntington Station, L.I., N.Y. PREDNIS, LEONARD J. (S'57-M'5B), Field Supvr. Engr., Research-Cottrell, Inc., Box 750, Bound Brook, N.J.
- PREE, WALTER G. (M'47-SM'57), Regional Mar., Communication Prods. Dept., GE Co., Tonka Bldg., Excelsior, Minn.
- PREECE, BETTY P. (A'52), 300 B Ave., Indialantic,
- PRECCE , KEITH E (M'5B) , Head , Transistor Meas , Lab , Standard Telecommunications Labs , Ltd , Dowlish Ford Mills , Ilminster , Somerset , England
- PREECE, RAYMOND G. (S'47-A'49-M'54), Electronics Engr., GE Co., Box 4247, Patrick AFB, Fla. Engr., GE Co., Box 4247, Patrick AFB, Fla.

 PREGLER, ROBERT A. (S'4B-A'50-M'55), Sr. Electronics
 Engr., B J Electronics, 3300 Newport Bivd., Santa Ana,
 Calif.
- PREHN, GUENTHER G. (S'57-M'5B), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 El Segundo Blvd., Los Angeles, Calif.
- PREISLER, MURRAY (M'57), Project Engr., Hanson-Gorrill-Brian, Inc., B5 Hazel St., Glen Cove, L.I., N.Y.
- N.Y. ALBERT (M'3B-SM'43-F'53), Consulting Engr., 616 St. Andrews Lane, Silver Spring, Md. PREISS, RALPH J. (S'53-A'54), Mgr., Prod. Development Lab., IBM, Poughkeepsie, N.Y. PREIST, DONALD H. (M'44), Assoc. Dir., Research & Engrg., Eitel-McCullough, Inc., San Bruno, Calif. PREJEAN, JOSEPH C. (A'55-M'57), Owner-Operator, Radio Service Center, 21B Madelline, Lafayette, La. PREMACK, JOSHUA (M'48), Owner, Premack Electronic Workshop, 923 W. Excelsior Ave., Hobkins, Minn. PREMO, ALBERT F., JR. (M'58), FAA, Box 90007, Airport Sta., Los Angeles, Calif. PREMO, DONA. (S'4B-A'52-M'56), Research Engr., Natl. Aeronautics & Space Administration, IRD, Langley Field, Va.

- PRENDERGAST, WILLIAM R. (A'52-M'56), Supvr. of Final Test, Tracerlab, Inc., 1601 Trapelo Rd., Walth 54, Mass.
- PRENDES, JOE R. (A'56), Chief Engr., Tampa Tech. Institute Inc., Peter-O-Knight Administration Bldg., Tampa, Fla.
- Fla.
 PRENSKY, SOL D. (M'57), Asst. Prof., Fairleigh Dickenson Univ., Teaneck, N. J.
 PRENTISS, GEORGE K., JR. (S'55-M'59), Test Engr., Seattle Dev. Lab., Minneapolis-Honeywell Regulator Co., 433 N. 34 St., Seattle 3, Wash.
 PRENTISS, JOHN G. (A'36-SM'45), Engr., Zenith Radio Corp., 6001 Dickens, Chicago 39, Ill.
 PRENTISS, STANTON R. (M'58), Equipment Specialist, Natl, Security Agency, Washington 25, D.C.
 PRESCHEL, KENNETH S. (M'55), Design Engr., GE Co., Schenectady, N. Y.
 PRESCHEL, KENNETH S. (M'55), Design Engr., GE Co., Schenectady, N. Y.

- Schenectady, N.Y.

 PRESCOTT, CHARLES W. (A'56), Field Engr., Collins
 Radio Co., Cedar Rapids, lowa.

 PRESCOTT, FRANK H., JR. (M'57), V.P., in Chg. of
 Engru., Inland Electronics Corp., 500 Rathbone Ave.,
 Aurora, III.
- Aurora, III.

 PRESCOTT, GILBERT A. (A'52), Engr., Sylvania Elec.
 Prods., Inc., 75 Sylvan St., Danvers, Mass.

 PRESCOTT, ROBERT S. (M'50), Sr. Engr., Datamatic
 Div., Minneapolis-Honeywell Regulator Co., 151
 Needham St., Newton Highlands 61, Mass.

 PRESENTEY, SHELLEY M. (SM'55), Oir., Presentey
 Engrg. Labs., 126B Henry Farm Or., Ottawa, Ont.,
 Canada.

- PRESNELL, RONALO L. (M'56), Research Engr., Stamford Research Institute, Menlo Park, Calif.
 PRESS, MARTIN (S'43-A'4B-SM'51), Sr. Project Engr., 1TT Labs., Nutley 10, N. J.
 PRESS, MEYER (SM'59), Engrg. Specialist, Sylvania Elec. Prods., Inc., Waltham 54, Mass.
 PRESSEDE, DANIEL J. (S'55-M'56), Divisional Quality Control Engr., Ford Motor Co., 17000 Oakwood Blvd., Allen Park, Mich.
 PRESSEDE, DAIII J. (S'48-A'49-M'54), Engrg. Specialist.
- PRESSEL, PAUL 1. (S'48-A'49-M'54), Engrg , Specialist, Goodyear Aircraft Corp., Akron 15, Ohio.
 PRESSER, ADOLPH (M'59), Mem. Tech. Staff, RCA, Princeton. N. J.
- Princeton, N.J.

 PRESSEY, CLIVE W. (A'57), Genl. Mgr., MinAtron Corp.,
 Belle Mead, N.J.
- Belle Mead, N.J.
 PRESSLEY, JACKSON H. (A'20-F'31), Consulting Engr.,
 1036 San Diego Rd., Santa Barbara, Calif.
 PRESSLY, CHARLES P., III (M'5B), Pres., Pressly
 Industries, Box 546, Carrboro, N.C.
 PRESSLY, WILLIAM H., JR. (S'51-A'52-M'56), Dev.
 Engr., GE Advanced Electronics Center, Tompkins
- PRESSLY, WILLIAM H., JN. 15 32 To 32
- PRESTHOLDT, OGDEN L. (S'37-A'41-M'55), Sr. Project Engr., CBS-TV Network, 4B5 Madison Ave., New York 22, N.Y.
- New York 22, N. T.
 PRESTI, BIAGIO (M:57), Genl. Sales Mgr., Sarkes
 Tarzian, Inc., E. Hillside Dr., Bloomington, Ind.
 PRESTO, ANTHONY F. (S'56-M'5B), Engr., ITT Labs.,
 Nutley 10, N.J.
- Nutley 10, N J.
 PRESTON, ALAN C. (M'59), 36 Ober St., Beverly, Mass.
 PRESTON, FRANK S. (M'48-5M'55), Assoc. Tech. Dir.,
 Norden Labs. Div., United Aircraft, 121 Westmoreland
 Ave., White Plains, N.Y.
- PRESTON, GLENN W. (A'51-SM'52), V.P., Genl. Atronics Corp., 1 Bala Ava., Bala-Cynwyd, Pa. PRESTON, HALSEY D. (A'57), Wilmington, N.Y. PRESTON, JOHN L. (M'57), Elec. Engr., Research & Dev. Div., Arthur D. Little, Inc., 15 Acorn Park, Cambridge
- PRESTON, KENDALL, JR. (M'56), Mem. Tech. Staff, Beil Tei. Labs., Murray Hill, N.J.
 PRESTON, LOYD S. (SM'56), Chief Engr., Electronic Engrs. Co. of California, 1601 E. Chesnut Ave., Santa Ana, Calif.
- Ana, Calif.

 PRESTON, RICHARD J. (M'57), Mor., Elec. Dev. Lab., Combustion Engra, Inc., Prospect Hill Rd., Windsor, Conn. PRESTWICH, GEORGE D. (M'56), Sales Mgr., Defense Industries Equipment, HMED, GE Co., Syracuse, N.Y. PRESUTTI, BERNARD D. (A'56), Broadcast Engr., WICUTV, 3514 State St., Erie, Pa.

 PRETI, LEO L. (A'46-M'55-SM'57), Chief Quality Control Engr., Alrhome Instrument Lab., Mineola, L.I., N.Y.

- PREUSS, ERNEST A. (S'52-A'54), Engr., Aircraft Radio Corp., Boonton, N.J. PREVITE, P. ELDON (A'59), Engr., Eastman Kodak Co.,

- PREVITE, P. ELDON (A'59), Engr., Eastman Kodak Co., Rochester, N.Y.
 PREW, HENRY E. (M'56), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 PREWITT, J. L. (M'57), Supvy. Electronics Engr., Brookley AFB, Mobile, Alaa.
 PREWITT, THOMAS A. (S'48-A'50-M'55), Elec. Engr., Delco Radio Div., 1440 Home Ave., Kokomo, Ind., Delco Radio Div., 1440 Home Ave., Kokomo, Ind., PREZIOS1, FREDERICK W. (S'48-A'50-M'55), Sr. Project Engr., Collins Radio Co. of Canada, Ltd., 11 Bermondsey Rd., Toronto 16, Ont., Canada.
 PRIBBE NOW, FRANCIS C. (S'56-M'58), Field Engr., Husbes Aircraft Co., Culver City, Calif.
 PRIBBLE, JAMES D. (S'58-M'59), Elec. Engr., Remington Rand Univac, 400 N. Prior St., St., Paul, Minn.
 PRIBBLE, NOBLE F. (M'57), Principal Engr., Bendix Radio. Towson, Md.
 PRICE, ADRIAN S. (A'5B), Wexton Co., 444 Madison

- Radio. Towson, Md.
 PRICE, ADRIAN S. (A'5B), Wexton Co., 444 Madison
 Ave., New York 17, N.Y.
 PRICE, AMOS C. (M'57), Mem. Tech. Staff, Bell Tel
 Labs., Whippany, N.J.
 PRICE, BURTON F. (M'53), Sect Head, Sylvania Elec.
 Prods., Inc., Waltham, Mass.
 PRICE, CHARLES F. (S'57-M'58), Ensign, USN, Navy
 Dept., Washington, D.C.
 PRICE, CHARLES W. (A'5B), 71 Clarendon Ave.,
 Brockton, Mass.

- Debt., Washington, B.C.,

 Brockton, Mass.

 PRICE, CLAYTON R. (A'56), Owner-Engr., Price's Radio & Electronics. 3673 Crest Rd., Wantaph, L.I., N.Y.

 PRICE, CLIFFORD C. (S'52-A'53-M'59), Engr.-In-chg.,

 Transmission Sect., Research Dept., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 7, N.Y.

 PRICE, DAVID (S'55-M'56), Engr., Sperry Gyroscope Co., Roosevelt Fleid, Garden City, L.I., N.Y.

 PRICE, EARLE M. (A'57), Electronics Technician, Physics Dept., Univ. of British Columbia, Vancouver, B.C., Canada PRICE, EDWARD L. (A'53-SM'56), Project Engr., Sierra Research Corp., Box 22, Buffalo 25, N.Y.

 PRICE, ELBERT G. (S'50-A'55), Project Engr., Sierra Research Corp., Box 22, Buffalo 25, N.Y.

 PRICE, CELBERT G. (S'50-A'54), Electronics Engr., Hughes Alroraft Co., Culver City, Calif.

 PRICE, GEORGE O. (S'53-A'54), Electronics Engr., Hughes Alroraft Co., Culver City, Calif.

 PRICE, GEORGE W. (A'45-M'50-SM'54), Asst. Staff Mgr., Subsystem F, XA Weapon System Branch, Lockheed Missiles & Space Div., Palo Alto, Calif.

 PRICE, GEORGE W. (M'55), Asst. Fatelt Counsel, ACF Industries, Inc., 30 Clurch St., New York, N.Y.

 PRICE, H. WALTER, JR. (A'44-M'46), Chief, Reliability Branch, Diamond Ordnance Fuze Labs., Dept. of the Army, Washington 25, D.C.

 PRICE, HAROLD (M'57-SM'59), Editor, Canadian Electronics Engr., 4B1 University Ave., Toronto 2, Om., Canada.

 PRICE, HAROLD (M'57-SM'59), Editor, Canadian Electronics Engr., 4B1 University Ave., Toronto 2, Om., Canada.

- PRICE HARRY J. (A'44-SM'45), Head, Alroraft Systems, Hughes Aircraft Co., Holloman AFB, N.M.
 PRICE, HENRY W., JR. (M'53), Assoc. Prof., Elec.
 Engry., Univ. of Maryland, College Park, Md.
 PRICE, JACK E. (S'57-A'5B), Engr., Electronic Computers,
 IBM, Sace Bidg., Grand Forks AFB, N.D.
 PRICE, JAMES F. (M'45), Systems Engr., RCA, Moorestown, N.J.

- town, N. J.

 PRICE, JAMES F. (M'56), Group Head, Systems Div.,
 Radio Co., Cedar Rapids, Iowa.
 PRICE, JAMES M. (M'56), Group Head, Systems Div.,
 Radio Co., Cedar Rapids, Iowa.
 PRICE, JAMES M. (M'58), Research Assoc., Ohio State
 Univ. Research Foundation, Columbus 10, Ohio.
 PRICE, JOHN F. (M'24-M'55), Engre, Group Leader, No.
 Amer. Aviation, Downey, Calli.
 PRICE, JOHN W. (M'57), Chief Engr., KVOS-AM KVOS,
 Inc., 1151 Ellis St., Bellingham, Wash.
 PRICE, LARRY E. (S'53-M'57), Baldwin Plano Co.,
 Fairgrounds, Fayetteville, Ark.
 PRICE, LEONARD R. (A'53-M'55), Task Scientist, Digital
 Computers, Aeronautical Research Lab., Wright-Patterson
 AFB, Ohio.

 PRICE, LLOYD M. (A'31-SM'46-EIGO), Science.
- PRICE, LLOYD M. (A'31-SM'46-F'49), Sales Rep. Engrg. Consultant, 1B5 Poplar Plains Rd., Toronto 7 Omt., Canada.
- Ont., Canada.

 PRICE, MARVIN A. (A'55-SM'55), Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 PRICE, MAURICE (S'46-A'49-M'53), Project Engr., Computing Devices of Canada. Ltd., Bells Corners, Ottawa, Ont., Canada.
- Ottawa, Ont., Canada.

 PRICE, OLIVER R. (SM'59), Group Head, Advanced
 Studies Sect., Antenna Research Dept., Hughes Aircraft
 Co., Culver City, Calli.

 PRICE, OSBORNE I., JR. (S'52-A'53-M'57), Pres.,
 Magnetic Devices, Inc., 712 East St., Frederick, Md.

 PRICE, R. LEE (A'47-M'4B-SM'53), Professional Staff,
 TellAutograph Corp., B700 Bellanca Ave., Los Angeles
 45, Calli.

 PRICE PICHARD C. (S'50-A'52-M'55-SM'57), Engrg.
- Telatrograph Colp., Joy Oberhalica Aver., Ecs Sciences 45, Calif.

 PRICE, RICHARD C. (S'50-A'52-M'55-SM'57), Engro.
 Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PRICE, ROBERT (S'49-A'54), Staff Engr., Lincoln Lab.,
 MIT, LexIngton 73. Mass.

 PRICE, ROBERT A. (S'51-A'54), Engro. Group Head,
 Raytheon Mg. Co., Waltham 54, Mass.

 PRICE, VERNON G. (M'52), Mem. Tech. Staff, GE Microwave Lab., 601 California St., Palo Alto, Calif.

 PRICE, WAYNE E. (A'39-SM'49), Elec. Engr., RCA

 Victor, Camden, N.J.

 PRICE, WILLIAM A. (S'56-M'59), Prod. Engr., Sperry
 Electronic Tube Div., Gainesville, Fla.

 PRICE, WILLIAM C. (S'57-M'59), Univ. of California
 Radiation Lab., Box BOB, Livermore, Calif.

 PRICHARDA, ARTHUR C. (SM'53), Electronic Scientist,

- PRICHARD, ARTHUR C. (SM'53), Electronic Scientist, U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.
- Monmouth, N. J.

 PRICHARD, JOHN S. (S'40-A'43-M'55), Sect. Head,
 Radar Systems Dept., Airborne Instrument Lab., Div.,
 Cutler-Hammer, Walt Whitman Rd., Melville, L. I., N. Y.

 PRICHODIAGO, ALEXANDER (M'56), Systems Project Engr.,
 RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P. Q.,
- PRICKETT, ROBERT J. (S'53-M'56), Research & Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo
- Alto, Calif.

 PRICKETT, TOM, JR. (S'41-A'44-M'47-SM'54), Head, Research & Dev. Group II B, Collins Radio Co., 1930 Hi Line Dr., Dallas 7, Tex.

 PRIDE, DONALD W. (S'47-A'5D-M'5B), Antenna Engr., Airborne Instrument Lab., Inc., Mineola, L. J., N. Y.

 PRIDE, EDWARD W. (A'41-M'46-SM'55), Supvr., Quality Control, Hughes Aircraft Co., Fulleton, Calif.

 PRIDGEN, WILLIAM L. (M'54), Mgr., Communications Sect., Westinghouse Elec., Corp., Box 746, Baltimore 3, Md.
- MO.
 PRIDMORE, THOMAS C. (M'50-SM'55), Mgr., Industrial
 & Entertainment Sales, Semiconductors, Westinghouse
 Elec. Corp., Youngwood, Pa.
- PRIEBE, FRANK K. (A'2B-M'44), Project Engr., U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.
- N.J.
 PRIEBE, HENRY F., JR. (A'54), Assoc. Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.
 PRIEBE, NORMAN F. (S'56-M'57), Elec. Engr., Remington
 Rand Univac, St. Paul, Minn.
 PRIEDIGKEIT, JOHN H. (M'48-SM'52), Sr. Research
 Engr., Stanford Research Institute, Menlo Park, Callf.
 PRIEFER, CARL E. (S'52-A'53), Tech. Asst., Bell Tel.
 Labs., Whilopany, N.J.
 PRIER, HOWARD W. (A'55), Tech. Specialist, Temco
 Alrcraft Corp., Dallas, Tex.
 PRIES, JOHN J. (S'56-M'5B), 146 Forbell St., Brooklyn,
 N.Y.

- N.Y.
 PRIEST, CONAN A. (A'24-M'3B-SM'43-F'47), Dir.,
 Electronics Div., Onondaga Pottery Co., 1858 W.
 Fayette St., Syracuse 3, N.Y.
 PRIEST, EARLE J. (\$55-M'5B), Electronics Engr., RCA,
 11819 W. Olympic Blvd., Los Angeles 64, Calif.
- 11B19 W. Olympic Blvd., Los Angeles 64, Calif. PRIEST, FREDERICK R. (M'55-SM'5B), Elec. Engr., GE Co., Utica, N.Y.
 PRIEST, RICHARO B. (S'50-A'51-M'56), Tech. Specialist, Allen B. DuMont Labs., Inc., 35 Market St., East Paterson, N.J.
- PRIEST, WILLIAM G. (M'59), Project Engr., Microwave Components, Microwave Associates, Burlington, Mass. PRIESTLEY, DAVID M. (S'55-M'57), Elec. Engr., RCA, Camden 2, N.J.

- PRIESTLEY, DAVID M. (S'55-M 57), Elec, Engr., RCA, Camden Z, N. J.

 PRIHAR, ZVI (SM'51), Assoc, Prof., Elec, Engrg. Dept., Clty College of New York, New York 31, N. Y.

 PRIM, DONALD C. (SM'57), Group Engr., Electronics Sect., Convair-Astronautics, S an Dlego, Calif, PRIMICH, ROBIN L. (S'4B-A'50-M'55), Scientific Officer, Defence Research Telecommunications Est., Shirley Bay, Ottawa, Ont., Canada, PRIMOZICH, FRANK G. (S'49-A'54), Project Mgr., Librascope, Inc., BOB Western Ave., Glendale 1, Calif. PRIMPAS, LOUIS V. (M'55), Head, Component Engrg. Group Sylvania Elec, Prods., Inc., Waltham 54, Mass.

 PRINCE, OAVIO C. (A'45-SM'45), Consulting Engr., 50 Washington Ave., Schenectady S, N. Y.

 PRINCE, JOHN P. (S'49-A'50-M'56), Customer Engr., IBM, 590 Madison Ave., New York 22, N.Y.

- PRINCE, M. DAVIO (S'45-A'50-SM'56), Sr. Mem. Tech. Staff, ITT Labs., 1389 Peachtree St., Atlanta 9, Ga. PRINCE, MACK J., (S'49-A'50-M'55), Asst. Prof., Elec. Engrg., Univ., of Rhode Island, Kingston, R.J. PRINCE, MORTON B. (SM'55), DIr. Research, Hoffman Electronics Corp., Semiconductor Div., 930 Pltner Ave., Evanston, III.

- Evanston, III.

 PRINCE, RICHARD T. (A'51-M'56), Research Engr.,
 Armour Research Foundation of Illinois Institute of Techmology, 10 W, 35 St., Chicago 16, III.

 PRINCIOTTA, MICHAEL A. (S'52-M'56), Components Engr.,
 Sanborn Co., 175 Wyman St., Waltham 54, Mass.
 PRINCIPE, ALFRED J. (S'57-A'58), Designer, A. Principe, 596 6 Ave., Brooklyn 15, N. Y.

 PRINDLE, RAYMOND H. (S'55-M'58), 674B 14 St.,
 N. W., Seattle 7, Wash.
 PRINGLE, DWIGHT L. (A'52-M'57), Engr., Motorola, Inc.,
 Phoenix, Ariz.
 PRINGLE, ROBERTIW. (SM'58), Dir. Nuclear Institute of the control of

- PRINGLE, ROBERT W. (SM'5B), Dir., Nuclear Instrumenta-tion, Nuclear Enterprises, G.B., Ltd., Sighthill, Edin-burgh, Scotland,
- PRINS, DOUGAL W. S. (A.5B), Jr. Project Engr., Americ Machine & Foundry Co., 1025 N. Royal St., Alexandria

- Machine & Foundry Co., 1025 N. Royal St., Alexandria, Va.

 PRINS, JACOBUS W. (M'5B), Maint, Engr., Canadlan Avlation Electronics, 6214 Cote de Liesse, Montreal, P. Q., Canada.

 PRINSEN, HENDRICK W. (M'5B), Asst, Engr., Canadlan WestInghouse Elec. Corp., Longwood Rd., Hamilton, Ont., Canada, PRIOR, FREDERICK J. (S'55-A'5B), Electronics Tester, Sperry Gyroscope Co., Great Neck, L.J., N.Y.

 PRIOR, ROBERT R. (S'49-A'50-M'55), Lead System Oesign Engr., Chance-Vought Aircraft Corp., Box 5907, Oallas, Tex.

 PRIOR, THOMAS C. J. (M'46), Dir. Engrg. & Chief Engr., Radio Sta., WJAR-AM-TV. The Outlet Co., 176 Weybosset St., Providence 2, R.I.

 PRIOR, THOMAS K. (A'47), TV Broadcast Engr., Cherry Webb Broadcasting Co., 24 Mason St., Providence, R.I.

 PRISBREY, DILWORTH (S'52-A'54), Elec. Engr., Sperry Utah Engrg. Lab., 332 N., 21 West St., Salt Lake City, Utah.
- Utah.
 PRISE, WALTER J, (A'5B), Design Specialist, Missile & Space Div., Lockheed Aircraft Corp., Sunnyvale, Calif.
 PRISEKIN, CONSTANTINE (S'55-M'56), Elec. Engr., AC Nielsen Co., BO7 Howard St., Evanston, III.
 PRITCHARD, CARLYLE J. (M'5B), Field Rep., RCA, Camden, N.J.
 PRITCHARD, CHARLES A. (A'4B-M'55), Electronic Prod. Improvement Engr., Emerson Radio & Phonograph Corp., 1140 East-West Hwy, Silver Spring, Md.
 PRITCHARD. DALTON H. (M'52), Elec. Engr., RCA Labs.

- Improvement Engly, Emerson Radio & Phonograph Copp., 1140 East-West Hwy, Silver Spring, Md.

 PRITCHARD, DALTON H. (M'52), Elec. Engr., RCA Labs., Princeton, N.J.

 PRITCHARD, EDWARD M. (A'37-VA'39-SM'53), Operations Mgr., Special Systems & Dev. Dept., RCA, Camden, N.J.

 PRITCHARD, FRANCIS E. (S'55-A'56), Technician, Cornell Aeronautical Lab., Buffalo, N.Y.

 PRITCHARD, HOWARD T. (S'49-A'51-M'55), Design Group Head, Farnsworth Electronics Co., New Haven, Ind.

 PRITCHARD, JACK C. (S'57-M'58), 7212 Forest Rd., Hyatsville, Md.

 PRITCHARD, JOHN A. (S'58-A'59), 2309 Cloverdale Ave., Winston-Salem, N.C.

 PRITCHARD, PETER G. (M'58), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.

 PRITCHARD, ROBERT L. (S'45-A'51-SM'55), Dev. Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.

 PRITCHARD, WILBUR L. (A'45-M'48-SM'52), Mgr.,
- 23 Ave., Ft. Lauderdale, Fla.

 PRITCHARD, WILBUR L. (4/45-M'48-SM'52), Mgr., Surface Radar Dept., Raytheon Mfg. Co., Wayland, Mass.
 PRITCHETT, WILSON S. (5/41-A'44-M'50-SM'53), Chief Engr., Knopp., Inc., 1307-66 St., Oakland 8, Calif.
 PRITCHETTE, THOMAS J. (A'57), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 PRITKIN, LEONARD (A'58), Sr. Engr., Schlumberger Well Surveying Co., Box 550, Ridgefield, Conn.
 PRIVAL, HARRIS G. (S'57-M'59), Engr., Litton Industries, 4900 Calvert Rd., College Pk., Md.
 PRIVITERA, PHILIP S. (S'56-A'59), Electronics Technician, Bendix Aviation Corp., Teterboro, N.J.
 PRO, STANLEY (S'54-A'55), Hi-Fidelity Consultant, Stan Pro Studios, 1133 N. Kingsley Dr., Los Angeles 29, Calif.

- Calif.

 PROBECK, CHARLES J. (A'42-M'44-SM'46), Project
 Mgr., Admiral Corp., 3800 Cortland, Chicago, III.

 PROBERT, DANIEL C. (A'52-M'57), Engr., Pres., Matteson Electronics, Inc., (NEDA), 1617 E. Michigan Ave.,
 Jackson, Mich.

 PROBERT, LEON J. (A'4B), Engr., Melpar, Inc., 3000

 Arlington Blvd., Falls Church, Va.

 PROBST, MAXWELL C. (M'47), Mgr., Service Shops,
 Electronics Labs. Service Shops, Inc., 3947 Park Dr.,
 Louisville 16, Ky.

 PROCHAZKA, ALEXANDER M. (5'55-M'58). Dev. Foor

- PROCHAZKA, ALEXANDER M. (S'55-M'58), Dev. Engr., GE Co., Ithaca, N.Y.
- GE Co., Ithaca, N.Y.

 PROCHODA, ROMAN (S'55-M'57), Design Engr., Electro instruments, Inc., 3540 Aero Ct., San Diego 11, Calif.

 PROCOPIO, LEO W., JR. (M'57), Project Engr., Philoc Corp., 4700 Wissachickon Ave., Philadelphia 44, Pa.

 PROCTER, B. M. (A'54), New Mexico Highlands Univ., Las Vegas, N.M.

 PROCTOR, CHARLES A., JR. (S'55-A'57), Nortronics Div., Northrop Aircraft, Inc., Hawthome, Calif.

 PROCTOR, DAVID (A'52-M'57), Sr. Electronics Engr., Convair-Astronautics, San Diego 12, Calif.

 PROCTOR, DON R. (SM'53), Chief Engr., Electronic Engr., Co. of Califomia, 1601 E. Chestrutt Ave., Santa Ana, Calif.

- Ana, Calif.
 PROCTOR, DONALD W. (\$'50-A'52-M'57), 62 Tulip
 Ave., Floral Park, L.I., N.Y.
 PROCTOR, DOUGLAS E. (\$'54), Sales Engr., Andrew
 Corp., 363 E. 75 St., Chicago, III.
 PROCTOR, EDWARD K., JR. (\$M'51), Sr. Research Engr.,
 Stanford Research Institute, Menlo Park, Calif.
 PROCTOR, HAROLD E., JR. (\$'49-A'50), Microwave
 Sect. Head, Sylvania Elec. Prods., Inc., Waltham 54,
 Mass.

- PROCTOR, THOMAS (S'54-M'57), Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
 PROCUNIER, RICHARD W. (S'55-M'59), Project Officer, Air Force Cambridge Research Center, Bedford, Mass.
 PRODGER, ALVIN (A'45), Mechanic, Kelloggs of Canada, Dundas St., E., London, Ont., Canada.
 PROEBSTER, WALTER E. (A'56), Ing., IBM, Research Lab., Zurichstrasse 10B, Adliswil-Zurich, Switzerland.
 PROFERES, NICHOLAS J. (A'51), Electronics Engr., FAA, 17 & Constitution, Washington, D.C.
 PROHASKA, CHARLES R. (M'57), Electronics Engr., Advanced Dev. Branch, Electron Components Lab., Wright Air Develoment Center, Wright-Patterson AFB, Ohio.
 PROKES, PAUL H. (M'45), Engr., Zenith Radio Corp. FM
- PROKES, PAUL H. (M'45), Engr., Zenith Radio Corp. FM Sta. WEFM; Contracting Engr., Dept of Commerce, U.S. Weather Bureau Sta. WK 039, 135 S. LaSalle St., Chicaoo 3. III. PROM, GREGORY J. (S'52-A'53-M'58), Sr. Research Engr., Minneapolis-Honeywell Regulator Co., Aero Div., 2600 Ridgeway Rd., Minneapolis 16, Minn.

- PROMAN, JASON M. (S'57-A'59), Sr. Technician, Adage, Inc., 292 Main St., Cambridge, Mass. PROMMER, ALFRED (A'56), Mem. Staff, Varian Associates, 611 Hansen Way, Palo Alto, Calif.
 PROPP, ROBERT R. (S'55-M'5B), 2nd Lt., U. S. Army Ord. Corps, USA Guided Missile School, Redstone Arsenal, Ala.
- PROPPER, MORTON (A'59), Engrg. Aide, Instruments for Industry, 101 New South Rd., Hicksville, L.I., N.Y.
 PROPPS, JENNINGS M. (A'59), Electricity & Electronics
 Instr., West Virginia Institute of Technology, Montgomery,
- W. Va.

 PROPST, HENRY R. (A'57), Radio Operator, U. S. Army, Ft. Jackson, S.C.

 PROPSTER, CHARLES H., JR. (A'54), Consultant, Computer Dept., GE Co., Black Carryon Hwy, Phoenix, Ariz.

 PROPSTER, JOHN A. (M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PROSCIA, JOSEPH L. (S'58-A'58), Electronics Technician, Republic Aviation, Farmingdale, L.I., N.Y.

 PROSCIA, PASQUALE A. (S'53-M'55), Supry., Electronics Scientist, Nuclear Engrg., Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

- Shipyard, Brooklyn 1, N.Y.

 PROSKAUER, RICHARD (A'42-M'55), Research Engr.,
 Sperry Gyroscope Co., Great Neck L.I., N.Y.

 PROSSER, ALLEN M. (A'55), Electronics Components
 Engr., GE Co., Syracuse, N.Y.

 PROSSER, THOMAS C. (A'47), Owner, Thos. C. Prosser
 Co., 541 Devon St., Arlington, N.J.

 PROSSER, THOMAS F. (A'51-M'56), Research Engr.,
 Computer Research Dept., Lockheed Missile & Space Div.,
 Sunnyvale, Calif.
- Sunnyvare, Calif.
 PROTHERO, JOHN W. (S'54-M'59), 203 Clarke Sideroad, London, Ont., Canada.
 PROTHERS, LLOYD T. (S'47-A'49-M'55), Staff Engr., Aeronatronic Systems, Inc., 2701 Halladay St., Santa Ana, Calif.

- Aeronatronic Systems, Inc., 2701 Halladay St., Santa Ana, Calif.
 PROUD, WILLIAM H. (S'50-A'52-M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif.
 PROUDFIT, ALEXANDER (S'54-M'56), Sr. Engr., Hazeltine Research Corp., Little Neck 62, L.I., N.Y.
 PROUDFOOT, GERALD D. (M'59), Tech. Engr., IBM, Kingston, N.Y.
 PROUDFOOT, GERALD D. (M'59), Tech. Engr., IBM, Kingston, N.Y.
 PROUDLEY, ROBERT E. (S'54-A'55), Electronics Technician, Diamond Ordnance Fuze Labs., Washington 25, D.C.
 PROUT, D. BRUCE (S'56-M'57), Mem. Tech. Staff, Ramo-Wooldridge, 5730 Arbor Vitae, Los Angeles 45, Calif.
 PROUTY, GEORGE S., JR. (M'58), Stowe, Vt.
 PROVAN, RICHARD J. (M'59), Sr. Engra, Rep., Genl.
 Radio Co., 99 Floral Pkwy., Toronto 15, Ont., Canada.
 PROVENCHER, WILLIAM C. (A'59), Pulse Transformer Design Technician, Spraque Electric Co., North Adams, Mass.
 PROVOST, CHARLES, JR. (S'52-A'545), Field Engry.
 Supvr., European Office, Autonetics Div., No. Amer. Aviation, Downey, Calif.
 PROVOST, PAUL (A'44), Independent Radio Service, 3801
 Lacombe Ave., Montreal 29, P. Q., Canada.
 PROVOST, YVON (A'55), In Chg. of Installation, Provost Alam System, 5790 Iberville, Montreal, P. Q., Canada
 PROVES, Tyon (A'55), In Chg. of Installation, Provost Alam System, 5790 Iberville, Montreal, P. Q., Canada
 PROVES, BERNARD J. (A'58), Testing & Regulating Instr., Canadian Natl. Telegraphs, 116 Empire Ave., St. John's Nifl., Canada.

- Canadian Nati. Telegraphs, 116 Empire Ave., St. John's Mid., Canada.

 PRUCHA, M. JOHN, JR. (S'47-A'48-M'52), Sr. Research Engr., Southwest Research Institute, B500 Culebra Rd., San Antonio 6, Tex.

 PRUDEN, HAL K. (A'57), Electronics Engr., Nati, Cash Register, 1401 E. El Segundo, Hawthome, Calif.

 PRUDEN, HAROLD M. (SM'52), Mem. Tech. Staff, Bell Tel. Labs. . 463 West St., New York 14, N.Y.

 PRUDHON, GLENN L. (SM'58), Jr. Engr., Elec. Engrg. Research, Tuft's Univ., Medford, Mass.

 PRUE, MOMER W. (S'56-A'158), Jr. Engr., Elec. Engrg. Research, Tuft's Univ., Medford, Mass.

 PRUE, MALTER W., JR. (S'54-M'57), Field Engr., Philco Corn., 3B75 Fabian Way, Palo Alto, Callf.

 PRUESS, WILLIAM C. (S'56-M'59), Field Engr., GMC, 1925 E. Kemllworth, Milwaukee, 2, Wis.

 PRUETT, JOHN W. (A'47-M'55), Electronics Engr., Electronics Defense Lab., Box 205, Mountain View, Calif.

 PRUGH, THOMAS A. (A'46-M'52-SM'56), Sr. Engr., Natl. Security Agency, Ft. Meade, Md.

 PRUITT, ALBERT F. (M'59), Sr. Engr., Electronics, Westindhouse Elec. Corn., Box 1897, Baltimore 3, Md.

 PRUITT, DUARD L. (A'53-SM'57), Leader, RCA Defense Electronic Prods., Moorestown, N.J.

 PRUITT, FLOYD L. (S'51-A'53-M'59), Transformer Design Engr., Palo Alto, Calif.

 PRUSHY, PETER F. (S'48-A'50-M'55), Engr., American Bosch Amas Corn. Carrlen City. I. N.Y.

- PRUNTY, PETER F. (S'48-A'50-M'55), Engr., American Bosch Arma Coro.. Carden City, L.I., N.Y. PRUST, RICHARD P. (S'57-A'57), Research Technician (3), Natl. Research Council, Montreal Rd., Ottawa, Ont.,
- Canaga.
 PRUVENOK, ANDREW J., JR. (S'55-M'58), Assoc.
 Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.
 PRYGA, JOSEPH F. (A'53), Communications & Electronic.
 Officer, Hgs., B3B Air Base Group, Ardmore AFB, Okla.
 PRYGA, STANLEY A. (M'54), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

- PRYOR, EDWARD R. (S'55-M'57), Assoc. Engr., West-indhouse Elec. Coro., 356 Collins Ave., Pittsburgh 32, Pa. PRYOR, JOHN G. (S'53-M'56), Engr., New England Tele-phone & Telegraph Co., 470 Atlantic Ave., Boston, Mass. PRYOR, L.C. (S'58-A'59), Electronics Technician, Con-vair, Ft. Worth, Tex. PRYOR, WILLIAM L., JR. (SM'51), Capt., USN, Retired, Instr., Engrg., Mitchell College, New London, Conn.

- vair, Ft., Worth, Tex.

 PRYOR, WILLIAM L., JR. (SM'51), Capt., USN, Retired, Instr., Engrg., Mitchell College, New London, Conn.

 PRYSLAK, NICKOLAS E. (SM'53), Sr. Engr., RCA, Tube Div., Harrison, N.J.

 PRYST, THEODORE S. (SM'53), Sr. Engr., RCA, Tube Div., Harrison, N.J.

 PRYST, THEODORE S. (M'55), Asst. Prof., Univ. of Pennsylvania, Moore School, Philadelphia, Pa.

 PRYWES, NOAH S. (M'55), Asst. Prof., Univ. of Pennsylvania, Moore School, Philadelphia, Pa.

 PRYZDIAL, EDWARD F. (A'54), Customer Engr., IBM, 36 King St., E., Toronto, Ont., Canada.

 PRZYBYL, RICHARD P. (M'55), 46 Greenfield, Cloverbank, Hamburg, N.Y.

 PRZYBYLSKI, THEODORE P. (M'59), Sr. Lab. Technician, Electronic Associates, Inc., Long Branch, N.J.

 PRZYBOXTY, WALTER C. (S'55-M'57), W. Engr., Tung-Sol Electric Inc., 200 Bloomfield Ave., Bloomfield, N.J.

 PSCHEIDT, KARL (A'52), Sect. Chief, Missile Labs., Special Weanons Engrg., Canadair, Ltd., Box 6087, Montreal, P., Q., Canada.

 PSHAENICH, ALVINI L. (S'55-M'56), Dev. Engr., Motorola, Inc., 1450 N. Clcero Ave., Chicago 51, Ill.

 PTACEK, JAMES F. (M'58), Asst. Research Engr., Vendo Co., 7400 E. 12 St., Kansas City, Mo.

 PUBLICOVER, JOHN V. (S'54-A'55), Project Engr., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 PUCA, Q. JOSEPH (A'47-M'55), Project Engr., Bendix Aviation Corp., 400 S. Beiger St., Mishawaka, Ind.

 PUCC, JONALD J. (S'58-A'59), Field Llason Engr., Burroughs Corp., Burroughs Dr., Radnor, Pa.

 PUCCNELLI, VITTORIO (A'5B), Lab, DI Ricerche Elett., Via Del Parlamento 33, Borgolombardo, Milano, Italy.

 PUCKETT, ROBERT A. (S'48-A'52-S'54-M'56), Staff Mem., Raytheon Mig. Co., Waltham, Mass.

 PUCKETT, HOUSTON R., JR. (M'57), Test Supv., Texas Instruments, Inc., Cockeysville, Md.

 PUCKETT, THOMAS H. (S'49-A'52-M'55), Special Instr., School of Elec. Engr., Univ. of Oklahoma, Norman, Okla.

 PUCKETT, HOUSTON R., JR. (M'57), Partner, Puder & Puder, 60 Park Pl., Newark 2, N.J.

 PUDLAK, ALDREW (G'51), Field Engr., Copper-Weld Steel Co., Glassport, Pa.

- 60 Park Pl., Newark 2, N.J.

 PUDLAK, ANDREW (A'51), Field Engr., Copper-Weld Steel
 Co., Glassport, Pa.

 PUENTE, JOHN G. (M'57), Design Elec. Engr., Stavid
 Engro., Inc., Rte. 22, Plainfield, N.J.

 PUESCHNER, HERBERT O. (A'43-M'53), Quality Control
 Mgr., Bendix Avlation Corp., York, Pa.

 PUETT, J. W. F. (M'58), Tech. Whiter, Continental Electronics Mfg. Co., 4212 S. Buckner Bird., Dallas 27, Tex.

 PUFAHL, ERHARD R. (M'53), Project Engr., Farmsworth
 Electronics Co., 3701 E. Pontiac St., Ft. Wayne, Ind.

 PUGH, ALEXANDER L., JR. (SM'56), Engrg. Consultant,
 Internati. Resistance Co., 401 N. Broad St., Philadelphia
 8, Pa.
- PUGH, ALEXANDER L., III (S'51-M'56), Research Assoc., MIT. Cambridge 39, Mass. PUGH, EDWARD L. (S'57-M'58), Assoc. Engr., Ryan Aeronautical Co., Lindberg Field, San Diego, Calif.

- Aeronautical Co., Lindberg Field, San Diego, Calif.

 PUGH, MALCOLM D. (M'54), Radio Engr., All America
 Cables, 67 Broad St., New York, N.Y.

 PUGH, MILO D. (M'55), Owner, M.D. Pugh & Associates,
 Box 635, Altadena, Calif.

 PUGH, MILTON E. (A'52-M'57), Head, Computer Group,
 Jacobs Instrument Co., 471B Bethesda Ave., Bethesda, Md.

 PUGH, ROBERT A. (S'57-M'59), Elec. Engr., Douglas
 Alicraft, 3000 Ocean Park, Santa Monica, Calif.

 PUGH, WILBERT H. (A'54-M'58), Plant Supt., Cannon
 Electric Canada, Ltd., 160 Bartley Dr., Toronto 16, Ont.,
 Canada.

 PUGHE, EARLE W. JR. (S'46-A'49-M'55), Engr., Jra.
- PUGHE, EARLE W., JR. (S'46-A'49-M'55), Engr.-in-chg., TX-O Computer, MIT, Cambridge 39, Mass. cho., TX-O Computer, MIT, Cambridge 39, Mass. —
 PUGLIESE, LEONARD (S'52-A'53-M'5B), Sr. Engr., ITT
 Labs.. Nutlev 10, N.J.
 PUGSLEY, DONALD W. (A'39-M'45-SM'46-F'52), Staff
 V.P.-In-chg., Engrg., Ramo-Wooldridge, 5500 El Segundo,
 Los Angeles 45, Calif.
 PUGSLEY, J. DEREK (A'54), Broadcasting Equipment
 Rep., Canadlan GE Co., Ltd., Box 2020, Sta. "O,"
 Montreal, P.Q., Canada
 PUHALSKI, DONALD (A'44), Service Engr., 6 1/2 N.
 Main, Lombard, III.
 PUIDA, ALFRED H. (S'53-A'55), Engr., Hartford Electric

- Main, Lombard, III.

 PUIDA, ALFRED H. (S'53-A'55), Engr., Harford Electric Light Co., 266 Pearl St., Harford, Conn.

 PUIDAK, HEINO (A'55-M'5B), Prod. Engr., Magnaflux Corp., 7300 W. Lawrence, Chicago 31, III.

 PULCHLOPEK, EDWARD S. (A'52-M'57), Dev. Engr., ITT Labs., Nutley 10, N.J.

 PULESTON, ROBERT B. (A'59), Pres., Transcriber Co., Inc., Plainville, Mass.

 PULFER, JAMES K. (S'52-A'53-M'59), Asst. Research Officer, Nati, Research Council, Montreal Rd., Ottawa, Ont., Canada

- Ont., Canada.

 PULFORD, WILLIAM M. (M'56), Project Engr., Bendix Radio Div., Baltimore 14, Md.

 PULHAMUS, WILLIAM R. (M'52), Head, Elec. Oept., Mshawk Valley Tech. Institute, 751 State St., Utica, N.Y.

 PULIDO, GEORGE G., JR. (M'54), Sr. Field Engr., Bendix Radio Co., Baltimore 4, Md.

 PULITAMO, FRANCIS J. (M'59), Asst. Project Engr., Bendix Radio Div., E. Joppa Rd., Baltimore 4, Md.

 PULL, HEINO L. (S'55-M'59), Engr., Kahn Research Labs., Inc., 22 Pine St., Freeport, L.I., N.Y.

 PULLAN, EDWARD (S'50-A'51-M'56), Project Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal 30, P.Q., Canada.

 PJLLEN, KEATS A., JR. (M'46-SM'56), Elec. Engr., L
- Canaga,
 PJLLEN, KEATS A., JR. (M'46-SM'56), Elec. Engr.,
 Ballistic Research Labs., Aberdeen Proving Ground, Mr.
 PULLES, JAN H. (SM'55), Sr. Research Engr., Zenith
 Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.
 PULLEY, ALBERT A. (A'25-VA'39), Administrator, Genl.
 Recording, RCA, 155 E. 24 St., New York 10, N.Y.

- PULLEY, LESTER A. (A'18-VA'39), Test Set Design Engr., Western Electric Co., 100 Central Ave., Kearney, N. J. PULLIAM, J. GORDON (S'55-M'59), Elec. Engr., Tinker AFB, Oklahoma City, Okla.
 PULLIAM, PAUL E. (S'50-A'51-M'57), Design & Test Engr., Chrysler Corp., Missile Div., Box 2638, Detroit 31, Mich.

- DILLIAM, S. BROWN (A'54), Lt. jg., USNR, Electronics Div., U.S. Naval Drdnance Lab., White Dak, Md. PULLING, BARTON S. (M'58), Deputy, Electronic Intelli-gence, Air Technical Intelligence Center, Wright-Patterson

- ÄFB, Ohio.

 PULLIS, FREDERICK D. (A '42), Alrways Tech. District Supvr., FAA, Box 271, Lexington 73, Mass.

 PULLMAN, IRA (M'58), Asst. Prof., Sloan-Kettering Institute, 410 E. 68 St.s, New York, N.Y.

 PULSIPHER, LEE C. (S'55-M'56), Fleld Engr., Wright Engrs, Co., 180 E. California St., Pasadena 1, Calif.

 PULTMAN, LEDN (M'56), Mfrs. Rep., Engrs. Services Co., 665 Delmar Blud., St. Louis 5, Mo.

 PULVARI, CHARLES F. (SM'54), Prof., Elec. Engrs. Dept., The Catholic Univ. of America, 62D Michlgan Ave., Washington 17, D.C.
- PULVER, MAURICIO (S'51-A'53-M'58), Engr. in Tele-communications, LR3-TV Radio Belgrano Sta., Avacucho 2075, Buenos Aires, Argentina.
- PUNCHARD, JOHN C, R. (A:37-SM:45-F:53), Mgr., Belleville Plant, Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada, PUNSHON, RICHARD L. (M:56), Tech, Radio Dir., Canadian Broadcasting Corp., 54D Portage Ave., Winnipeg, Man., Canada.

- Canada .

 PUOPDLO , JDHN W. (M·56) , Tech. Writer, Group Leader, LMED , GE Co., Utica, N. Y.

 PUORRO, THOMAS A. (M·56) , Advisory Engr., 18M, Lincoln Lab., Lexington 73, Mass .

 PURBRICK, ROBERT L. (M·57), Prof., Physics, Williamette Univ., Salem, Ore.

 PURCELL, REX B. (S·49-A·51-M·56), Electronics Engr., USAEC, Box 2108, Idahe Falls, Idahn .

 PURCELL, ROBERT H. (A·32-M·46-SM·50), Engrg. Dept. Chief, Western Electric Co., 555 Union Bivd., Allentown, Pa.
- Pa.

 PuRCELL, WILLARD J. (A'37-M'55), Mgr., Engrg.—

 Broadcasting Stations Operation, GE Co., 1400 Bailtown Rd., Schenectady 9, N.Y.

 PURDUE, CLINTON H. (S'51-A'53-M'57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 PURDUE, RONALD E. (S'57-M'59), Design & Dev. Engr., RCA, Moorestown, N.J.

 PURDUM, LYLE C. (S'54-M'58), Design Engr., Douglas Aircraft Co., Santa Monica, Callf.

 PURDY, DONALD R. (S'56-M'57), 55 Manor Dr., Newark 6, N.J.

 PURDY, JAMES A. (A'47). Supt. Fleetmines Ornan

- PURDY, JAMES A. (A'47), Supt., Electronics Organ Div., The Balwin Co., 1801 Gilbert Ave., Cincinnati Div., T

- PURDY, JAMES A. (A'47), Supt., Electronics Organ
 Div., The Balwin Co., 1801 Gilbert Ave., Clncinnati
 2, Ohlo.
 PURDY, RICHARD L. (A'53), Sr. Elec. Engr., Waldorf
 Electronics, Huntington Sta., L.1., N.Y.
 PURDY, THOMAS W. (S'46-A'50-M'52), Systems Engr.,
 Canadian Motorola Electronics, Ltd., 105 Bartley Dr.,
 Toronto 16, Ont., Canada
 PRUDY, WILLIAM E. (A'54), Sales Engr., Acton Labs.,
 Inc., 533 Main St., Acton, Mass.
 PURGETT, LAWRENCE J. (M'43-SM'43), Engr., Bell
 Tel., Labs., 2525 Shadeland Ave., Indianapolis, Ind.
 PURINGTON, ELLISON S. (M'47-SM'47), V. P., Elec.
 Research, Hammond Research Corp., Hesperus Ave.,
 Gloucester, Mass.
 PURINTON, HARDLD G. (M'5D), Broker, Stein Brothers &
 Boyce, 6 S. Calvert St., Baltimore 2, Md.
 PURINTON, RICHARD M. (M'49-SM'57), Pres., Richard
 Purinton, Inc., 11 Muzzey St., Lexington 73, Mass.
 PURKIS, RONALD E. (S'57-M'59), Reliability Engr.,
 Remington Rand Univac, St., Paul 16, Minn.
 PURL, D. THOMAS (S'5D-A'54-SM'58), Mem., Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.,
 PURNELL, LYLE S. (S'49-A'50-M'59), 2nd Lt., USAF,
 Home: 805 2nd Ave., Ellensburg, Wash.
 PURNELL, RICHARD F. (S'55-M'59), Palls., USAF,
 Home: 805 2nd Ave., Ellensburg, Wash.
 PURNELL, RICHARD F. (S'55-M'58), Sect. Head,
 Melpar, Inc., 3DDO Arlington Blvd., Falls Church, Va.
 PURNELE, ROBERT C. (S'56-A'56), Assoc. Engr., Martln
 Co., Baltimore 20, Md.
 PURO, WILLIAM C., JR. (M'52), Mgr., Production Div.,
 Melpar, Inc., 3DDO Arlington Blvd., Falls Church, Va.
 PURRIEL, PURLIAM C., JR. (M'52), Mgr., Production Div.,
 Melpar, Inc., 3DDO Arlington Blvd., Falls Church, Va.
 PURRIEL, HARRY H., JR. (S'56-M'59), Despl. Engr., Canadian
 Aviation Electronics , Ltd., Montreal, P. Q., Canada.
 Aviation Electronics, Ltd., Montr
- Campen B, N.J. PUSCH, GERARD A. (S'57-M'58), Maj., USAF, Air Defense Systems Integration Div., Hanscom Fleld, Bedford, Mass.
- Mass. , Integration DIV., Hanscom Field, Bedford, Mass. , DHN H. (S'56-A'57), Electronics Technician, Bendist Aviation Corp., 95 Troost. Kansas City, Mo. PUSKAS, WILLIAM E. (M'59), Engr., Allen B. Dumont Labs., Inc. East Paterson, N.J. PUSTARFI, HENRY S., JR. (S'52-A'56), Sr. Tech. Aide, Bell Tel. Labs., Whippany, N.J. PUSTLARFX, MKE (S'52-A'54-M'59), Mem. Tech. Staff, Bell Tel. Labs., Holmdel, N.J. PUTERBAUGH, WILLIAM H. (A'52-M'58), Head, Systems Research, Natl. Cash Register Co., Main & K Sts., Dayton 9. Ohlo.

- PUTKDVICH , RUDY P. (A'58), Rd. 2, Box 300 , Export, Pa. PUTMAN , RICHARD E . (M'55) , Mgr. , Studio Engrg. , GE Co. , Syracuse , N.Y.
- GE Co., Syracuse, N.Y.

 PUTMAN, WILLIAM G. (A'56), Instrumentation Engr., AlResearch Mfg. Co., S. 36 St., Phoenix, Ariz.

 PUTMAM, HOWARD (A'58), Microwave Technician, Sander's Assoc. Inc., 47 Canal St., Nashua, N.H.

 PUTMAM, RALPH E. A. (A'28-V3'93-M'55), Ballistic Research Labs., Aberdeen Proving Ground, Md.

 PUTSCHI, HEINRICH N. (M'56), Project Engr., GE Co., Syracuse, N.Y.

- PUTSCHI, HEINRICH N. (M'56), Project Engr., Ge Co., Syracuse, N.Y.

 PUTT, DONALD R. (A'47), Pres., Permutronics Corp., 49 Center St., Jersey City, N.J.

 PUTTCAMP, ROBERT R. (M'56), Physicist, Diamond Drdnance Fuze Labs., Washington 25, D.C.

 PUTTER, KLAUS (S'50-A'52-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 PUTTERMAN, HARRY (M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 PUTTICK, ALBERT W. (A'45), Engra. Mgr., Sylvania Elec. Prods., inc., 11DD Wehrle Dr., Buffalo, N.Y.

 PUTTOCK, KENNETH L. (A'56), Chief Engr., C.K.D.Y., Ltd., 635 Richmond Rd., Ottawa, Ont., Canada.

 PUTTRE, ROBERT E. (S'57-M'59), Dev. Engr., Wheeler Labs., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.

 PUTZ, HECTOR R. (A'46-M'55), Section Leader, Control Engr., Canadian Line Materials, Ltd., 3595 St. Clair Ave., E. Toronto, Ont., Canada.

 PUTZ, JOHN L. (S'46-A'50-M'55), Mem. Tech. Staff, GE
- E. Toronto, Ont., Canada.
 PUTZ, JOHN L. (S'46-4'50-M'55), Mem. Tech. Staff, GE
 Microwave Lab., 601 California Ave., Palo Alto, Calif.
 PUTZRATH, FRANZ L. (A'54), Leader, RCA, Camden, N. J.
 PUZIO, PETER S. (A'47), Sr. Technician, Electronic
 Associates, Inc., Long Branch, N. J.
 PYBUS, ARTHUR W. (A'40-SM'46), Principal Scientific
 Officer, Australian Dept. of Supply, Salisbury, Adelaide,
 South Australia.

- PYE, HAROLD C. (A'20-VA'38), Sr. Project Engr., Genl. Telephone Labs., Inc., Northlake, III.
 PYE, ROBERT M. (A'50), Sr. Technician, Computing Center, Univ. of British Columbia, Vancouver 8, B.C.,
- PYKOSZ, THEODORE F. (M'57), Elec. Engr., Bell Aircraft Corp., Box 391, Holloman Air Development Center, N.M.
- PYLE, CLAUD A. (A'55), Physicist, Fit. Sim. Br., EMLD, White Sands Proving Ground, N.M.
- White Sands Proving Ground, N. M.

 PYLE, CLAUDE L. (S'48-A'51-M'56), Dev. Engr., IBM, Endicott, N.Y.

 PYLE, ELIOT L. (S'52-M'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York, N.Y.

 PYLE, EVERETT J., JR. (S'57-M'58), Elec. Engr., U. S. Naval Ordnance Lab., Silver Spring, Md.

 PYLE, HARRELL S. (A'54), Lead Engr., McDonnell Aircraft Corp., St. Louis, Mo.

 PYLE, HENRY D. (M'56), Field Engr., Collins Radio Co., 922 Dragon St., Dallas, Tex.

 PYLE, HOWARD S. (SM'57), Retired, 3434 74 Ave., S.E., Mercer Island, Wash.

 PYLE, HOWARD T. (A'42-M'55), Supvr., Elec. Engra.

- PYLE, HOWARD T. (A42-M'55), Supvr., Elec. Engrg. Sect. for Auto Radios, GMC, 1446 S. Home Ave., Kokomo, Ind.

- Kokomo, Ind.

 PYLE, JAMES L. (S'49-A'52-M'57), Mgr., Dayton-Midwest Area, Packard-Bell Electronics Corp., 11 W. Monumenl Ave., Dayton 2, Ohio.

 PYLE, JOHN C. (A'52), Owner, Simplex Radio & Television Service, 1511 Alton, Denver 8, Colo.

 PYLE, MILTON O. (S'46-A'48-M'54), Training Mgr., RCA Service Co., Camden 8, N.J.

 PYLE, STODDARD H. (A'51-M'56), Eastern Div. Mgr., Tektronix, Inc., 9619 Columbia Pike, Annandale, Va.

 PYLE, WILLIAM I. (A'53), Croup Leader, Computer Circuits, Aeronutronic Systems, Inc., Ford Rd., Newport Beach, Calif.

 PYNE, INSLEY B. (S'49-A'EO AUSE)
- Beach, Calif.

 PYNE, INSLEY B. (S'49-A'50-M'55), Asst. Prof., Elec. Engrg. Dept., Princeton Univ., Princeton, N.J.

 PYNN, GEORGE W. (A'52-M'57), Missile Systems Engr., Vitro Coro. of America, 1400D Georgia Ave., Silver Spring, Md.
- Vitro Corp. of America, 14000 Georgia Ave., Silver Spring, Md.
 PYNN, RALPH D. (S'48-A'50-SM'57), Mgr., Projects Sect., Westinghouse Co., Ltd., Hamilton, Ont., Canada.
 PYPER, THERON L. (S'57-A'57), Experimental Electronics Technician, Boeing Aircraft Co., Seattle 24, Wash.
 PYROS, ICARUS E. (S'56-M'57), Electronics Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- QADRI, MOHAMMAD S. (M'57), 2 Jagat St., Rama Park, Raigarh, Lahore, Pakistan, QUA, EDWARD W. (S'54-M'56), Design Engr., Ferranti-Packard Electric, Ltd., Mt. Dennis, Toronto, Ont., Canada, QUA, WALLACE C. (S'54-A'55), Instrumentation Systems Engr., Consolidated Electrodynamics Corp., 360 N. Sierra Madre Villa, Pasadena 15, Calif. QUACKENBUSH, E. C. (A'50), Chief Engr., Winchester Electronics, Inc., Willard Rd., Norwalk, Conn. QUACKENBUSH, FREDERICK R. (A'54), Electronics Engr., Milgo Electronic Corp., 76D1 N.W. 37 Ave., Miami 47, Fla.

- Milgo Electronic Corp., 76D1 N.W. 37 Ave., Miami 47, Fla.
 QUACKENBUSH, HIRAM H. (A.54-M.57), Electronics Engr., USAF, McClefian Field, Calif.
 QUACKENBUSH, RUSSELL E. (S.49-A.50-M.56), Project Mgr., EPSCO, 240 E. Palais Rd., Anahelm, Calif.
 QUADE, ALFRED G., JR. (S.57-M.58), Analyst II, Pare OII Co., 35 E. Wacker, Chicago I., III.
 QUADRA, FRANCISCO F. (A.57), Lt., Brazillan Navy, Ministerio da Marinha, D. F., Brazill, S.A.
 QUAGLIA, GIANGIACOMO (A.57), Designer, TELETTRA S.p.A., Via Carlo Poma 47, Milamo, Italy.
 QUALICH, AMEDEO (M.58), Designe Engr., Test Equipment, Stromberg-Carlson, 100 Carlson Rd., Rochester 3, N.Y.
 QUALKINBUSH, DONALD N. (A.551), Field Engr., ACF Industries, Box 209, Hyattsviile, Md.
 QUAM, DONALD L. (A.51-M.58), Sr. Project Engr., ACF Industries, Box 209, Hyattsviile, Md.
 QUAM, HOWARD L. (M.55), Supvy, Electronics Engr., U.S.
 Naval Air Missile Test Center, Point Mugu, Calif.
 QUAN, JACK (A.57), Electronics Techniclan, Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles, Calif.

- QUAN, KUO-KDNG (M'56), Design & Dev. Engr., RCA,
- Camden, N. J.
 QUAN, NORMAN H. (S'55-M'56), Engr., Norttonics Div.,
 Northrop Corp., Hawthorne, Calif.
 QUANCE, FRED R. (A'42-M'55), Administrator, Electronic
 Data Processing Mktg., RCA Internati, Div., 30 Rockefeller
 Plaza, New York 2D, N. Y.
- Plaza, New York 2D, N.Y.

 UANDT, RDNALD L. (S'49-A'51-M'56), Research Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 QUANDT, DTTO G. (M'4B), Col., USAF, Dir., Directorate
 of Control & Guidance, Rome Air Development Center, Griffiss
 AFB, N.Y.

 UANTZ, R. G. (A'41), Capt., Communications Engr.,
 Washington State Patrol, 9D5 Dexter Ave., Seattle 9,
 Wash.
- Wash, QUARFOOT, HARRY D. (A'39-M'55), 232-A, Rte. 1, Kelseyville, Calif.
- QUARLES, LAWRENCE R. (M'42-SM'43-F'52), Prof., Elec. Engrg. & Dean of Engrg. School, Univ. of Virginia, Charlottesville, Va.
- Charlottesville, Va.

 QUARMBY, ALEC (A'59), Marine Rep., Computing Devices of Canada, Ltd., Bells Comer, Ottawa, Ont., Canada.

 QUARTA, PAOLO (A'57), Engr., F. I. Magneti Marelli, Sesto S., Giovanni, Italy.

 QUATE, C. F. (S'43-A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 QUATEMAN, MARVIN H. (S'47-A'49-SM'54), V.P., Components Corp., 2014 W. Wabansia, Chicago 47, Ill.

 QUATRARO, WILLIAM D. (S'51-A'53-M'58), Assoc.
 Engr., Long Island Lighting Co., 175 Old Country Rd., Hicksville, L.I., N.Y.

 QUATTROCCHI. VIRGIL F. (A'56), Purch Anant Colin

- MICKSVIIIE, L.I., N.Y.
 QUATTROCCHI, VIRGIL F. (A'56), Purch. Agent, Colin Campbell Co., Westville Ave., Danbury, Conn.
 QUAYLE, GEORGE (A'49-M'55), Engrg. Leader, GE Co., 40 Federal St., West Lynn, Mass.
 QUAYLE, RONALD J. (S'56-M'59), 1178 Emerson Ave., Salt Lake City 5, Utah.

- QUAYLE, RONALD J. (S'56-M'59), 1178 Emerson Ave., Salt Lake City 5, Utah.
 QUEEN, F. DONALD (S'59-M'56), Electronics Scientist, Naval Research Lab., Code 5347, Washington 20, D. C.
 QUEEN, GEORGE N., JR. (M'57), Research Enpor., Intermatl. Résistance Co., 401 N. Broad St., Philadelphia, Pa.
 QUEEN, JAMES L. (S'48-A'50-M'55), Enpr., Apolied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
 QUEER, PAUL R. (A'57), Foreman, Apparatus & Records Dept., Westinghouse Elec. Corp., Commercial Atomic Power Activities, Box 355, Pittsburgh, Pa.
 QUEEVER, LAWRENCE (M'56), Dev. Engr., Controls Co. of America, 2450 N. 32 St., Milwaukee 45, Wis.
 QUELL, CHARLES H. (M'55), Engre. Mgr., Micro Balancing, Inc., 191 Herricks Rd., Garden City Park, L.I., N.Y.
 QUEMENT, FRANK J. (A'22-V4'39), Pres., Frank Quement, Inc., Box 527, San Jose, Calif.
 QUENSTEDT, ROBERT E. (S'54-A'55), Electronics Scientist (RCF), Debt. of Defense, Washington 25, D.C.
 QUENTIN, CHARLES F. (A'41-M'57), Dir., Engrg., Cowles Broadcasting Co., 9 & Pleasant, Des Moines 14, Iowa.
 QUERIDO, HERBERT B. (S'56-M'59), Research Engr., No. Amer. Aviation, 430D E. 5 Ave., Collubus 16, Ohio.
 QUICK, A. EDWARD (A'45-M'50), Mgr., Research Sales, IBM, Yorktown Heights, N.Y.
 QUICK, GEORGE R. (M'58), Group Engr., Instrumentation, ACF Industries, Riverdale, Md.
 QUICK, JOSEPH H. (SM'57), Pres., National Co., Inc., 61

- QUICK, JOHN R. (S'49-A'52-M'57), Assoc. Engr., IBM, Owego, N.Y.
 QUICK, JOSEPH H. (SM'57), Pres., National Co., Inc., 61
 Sherman St., Malden 48, Mass.
 QUICK, THEODORE C. (S'50-A'51-M'56), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Callif.
 QUICKEL, THOMAS E. (S'53-A'55), Elec. Engr., ITT
 Labs., Nutley 1D, N.J.
 QUIGG, KENNETH R. (A'52-M'57), Staff Asst., Electronics
 Div., Ryan Aeronautics Co., San Diego 12, Calif.
 QUICLEY, ARTHUR J. (A'45-M'55), Asst. Prof., Elec.
 Engrg., Univ. of Notre Dame, Box 1413, Notre Dame, Ind.
 QUIGLEY, CHARLES E. (S'51-M'56), Electronics Scientist,
 Naval Research Lab., Washington 25, D.C.
 QUIGLEY, GEORGE T. (M'54-SM'57), Tech. Commercial
 Engr., Philips Electronic Industries, Ltd., 117 Vanderhoof
 Ave., Toronto 17, Ont., Canada.
 QUIGLEY, MICHAEL F. (S'58-M'59), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 QUIGLEY, WILLIAM W. (M'56), Engr., Westinghouse Elec.
 Corp., Box 746, Baltimore 3, Md.
 QUILLEN, WILLIAM F. (M'56), Engr., Versailles Prods.
 Co., Versailles, Ky.

- Co., Versailles, Ky.
 QUIMBY, KENNETH S., JR. (A'56), Semiconductor Prod.
 Engr., Texas Instruments, Inc., Central Expressway, Dallas,
 Texas.
- QUIN , KENNETH H. (A'56), Mgr., Field Service , Page Communications Engrs., Inc., 71D14 St., N.W., Wash-ington, D.C.
- QUIN, WILLIAM J. (A'56-M'59), Supvr., Electronics Lab., GMC, Warren, Mich.

- QUIN, WILLIAM J. (A'56-M'59), Supvr., Electronics Lab., GMC, Warren, Mich.
 QUINBY, EDWIN J. (M'57), Prod. Mgr., Shepard Labs., Inc., 111 Park Ave., Summit, N.J.
 QUINE, JOHN P. (S'48-A'53-M'59), Microwave Engr., GE Co., Schenectady, N.Y.
 QUINLAN, DONALD E. (A'52), Sr. Electronics Dev. Engr., Allen B. DuMont Labs., Inc., 76D Bloomfield Ave., Clifton, N.J.

- N.J.

 QUINLAN, EDWARD J. (M'58), Sr. Engr., Philoc Corp.,
 C. & Tioga Sts., Philadelphia 34, Pa.
 QUINLAN, ROBERT V. (S'55-M'58), Mem. Tech. Staff,
 8ell Tel. Labs., Murray Hill, N.J.
 QUINLIVAN, WILLLAM F., JR. (S'54-M'56), Sr. Engr.,
 Radiation, Inc., Box 37, Melbourne, Fla.
 QUINN, ALEXANDER C. (S'49-M'51-M'56), Elec. Engr.,
 Bonneville Power Administration, Portland, Ore.
 QUINN, BERNARD O. (S'50-A'51-M'58), Dev. Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver
 Spring, Md.
 UINN, ERABMER S. UP (S'40-A'50-M'58), Vicer
- Spring, Md.
 UINN, FRAMK 3., JR. (S'40-A'50-M'56), Cmdr., USN,
 Head of Planning Staff, Electronics Design & Dev., Bureau
 of Ships, Washington 25, D. C.
 QUINN, HOMER H., JR. (A'52-M'57), Components Engr.,
 GE Co., Syracuse, N.Y.
- GE Co., Syracuse, N.Y.
 QUINN, JAMES A. (S'52-A'53-M'57), Principal Engr.,
 Ford Instrument Co., 31-10 Thomson Ave., Long Island
 City 1, N.Y.
 QUINN, JAMES L. (M'54), Chief Electronics Engr., Cummins
 Chicago Corp., 4740 N. R

- QUINN, JAMES L., JR. (A'40-M'55), Mgr., Color Tube Mfg. Engrg., RCA, Lancaster, Pa. QUINN, JDHN C., JR. (A'54), V.P., A. Kimball Co., B Rewe St., Brooklyn 11, N.Y. QUINN, JOSEPH M. (A'46-M'55), Engr., W. L. Maxson Corp., Old Forge, Pa. QUINN, KATHERINE C. (M'52), Consultant Aerovox Corp., 1 Central Ave.. West Orange, N.J. QUINN, PAUL A. (A'58), Industrial Engr., IBM, Box A, Essex Junction, Vt. QUINN, QUENTIN Q. (M'47), Industrial Sales Mgr., The Connecticut Light & Power Co., Berlin, Conn. QUINN, RICHARD D. (M'56), Principal Engr., Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn. QUINN, RICHARD E. (S'56-M'57), Project Engr., USAF, Wright Air Development Center, Wright Patterson AFB, Ohio.

- Wright Air Development Center, Wright -Patterson AFB, Ohio.

 QUINN, ROBERT B. (M'46), Mathematician, Bureau of Ordnance, Navy Dept., Washington, D. C.

 QUINN, ROBERT F. (S'54-M'57), Mem. Tech. Staff, Elec. Engr., Hughes Aircraft Co., Culver City, Calif. QUINN, STANLEY F. (M'57), Engr., Canadian Broadcasting Coro., 5253 Decarie Blvd., Montreal, P.Q., Canada. QUINN, TERRANCE J. (A'51), Studio Tech. Super., KKTV, 512 S. Tejon, Colorado Springs, Colo. QUINN, THOMAS B. (A'55), Asst. Chief Engr., TelAutograph Corp., 8700 Bellanca Ave. In a Sannelse 45 Calif. QUINN, THOMAS J., JR. (A'54), Sr. Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 QUINN, THOMAS P. (S'56-M'59), Instr., Pennsylvania State Univ., University Park, Pa.

 QUINN, WILL M., JR. (S'49-A'51-M'57-SM'57), Mgr., Standard Radio Prod. Engra., CE Co., Utica, N. Y.

 QUINN, WILLIAM H. (A'49-M'5B), Sales Mgr., Kuss Industries, Inc., Tacony & Lewis Sts., Philadelphia 24, Pa.

 QUINNONES, DAVID E. (A'56), Chief Maint. Engr., Tampa Times Co., WDAE, 114 N. Franklin St., Tampa, Fla. QUINONES, DON (S'57-M'5B), Electronics Technician, Natl. Bureau of Standards, Washington 25, D. C.

 QUINT, ARTHUR S. (A'47-M'53), Sr. Electronics Engr., Minneapolis-Honeywell Regulator Co., 1900 Soldiers Field Rd., Boston 35, Mass.

- Minneapolis-Honeywell Regulator Co., 1900 Soldiers
 Field Rd., Boston 35, Mass.
 QUINT, GERALD L. (A'54), Field Engr., Sylvania Elec.
 Prods., Inc., Emporium, Pa.
 QUINTAI, RONALD J. (A'54), Field Service Engr., GE
 Co., Syracuse, N., Y.
 QUINTANAI, IGNACIO M. (A'49-M'55), Electronics Engrg.
 Technician, Navy Dept., U. S. Naval Repair Facility, U. S.
 Naval Sta., San Diego 36, Calif.
 QUIOCUE, VIRGILIO J. (5'55-M'5B), Instr., Princeton
 Univ., Princeton, N.J.
 QUIRNO, FELIX (SM'57), Reliability Coordinator, Convair,
 Ft. Worth 1, Tex.
 QUIRK, JAMES A. (A'4B), Sr. Process Engr., Whirlpool
 Corp., 225 W. Morgan St., Evansville, Ind.
 QUIRK, JOHN B. (A'55-SM'59), Dev. Engr., GE Co.,
 Owensboro, Ky.
 QUIRK, ROBERT W. (SM'5B), Exec. Staff Engr., Hoffman
 Labs. Div., 3761 S. Hill St., Los Angeles 7, Calif.
 QUIRK, WILLIAM B. (M'4B), Switching Systems Engr.,
 Bell Tel. Labs., Whippany, N. J.
 QUIRK, WILLIAM J. (S'53-A'54), Capt., USAF, Instr.,
 Elec. Engrg. Dept., U. S. Air Force Academy, Colo.
 QUIST, RICHARD C. (S'52-A'53-M'5B), Electronics Research Engr., Lockheed Aircraft Corp., Burbank, Calif.
 QUIST, WILLIAM G. (A'44-M'55), Equipment Engr., Automatic Fleetric Co., Northlake, III
- Seatur Lily., Deckneed Arroart Corp., Burbank, call. QUIST, WILLIAM G. (A'44-M'55), Equipment Engr., Auto-matic Electric Co., Northlake, III. QUITTER, JOHN P. (S'40-A'43-M'44-SM'54), Supvy. Engr., Baldwin Piano Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.
- QUOTIDOMINE, FRANCIS (S'56-A'5B-M'58), Telemetry Instrumentation, RCA Service Co., Missile Test Project, Pat-rick AFB, Fla.
- RAABE, HERBERT P. (A'51-SM'54), Sr. Tech. Specialist, Genl. Mills, Inc. Mech. Div., 2003 E. Hennepin, Minneapolis 13, Minn. RAASCH, FLOYD D. (SM'57), Sr. Engr., Genl Mills, Inc., Mech. Div., 2003 E. Hennepin Ave., Minneapolis 13, Minn.

- Mech., DIV., 2003 E., Hennepin Ave., Minneapolis 13, Minn.

 RABB, J. W. (A'43-M'45), Supt., Simulation Dev. DIV., Aeronautical Computer Lab., Naval Air Development Center, Johnsville, Pa., RABB, MARTIN (A'53), Sr., Engr., Allen B., DuMont Labs., Inc., 35 Market St., East Paterson, N.J.

 RABBIN, IRVING G. (A'47-M'51), Chief, Field Support Sect., Autonetics Div., No. Amer. Aviation, Downey, Calif. RABE, ALBERT W. (A'57), Electronics Engr., Admiral Corp., 901 S., California Ave., Palo Alto, Calif. RABE, WILLIAM A. (A'4B), Supv., Radar Recelving System Engrg., Crosley Div., Avo. Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 RABEHL, WILLIAM C. (A'55), Instr., Elec. Engrg., GE Co., Syracuse, N.Y.

 RABER, MONTE B. (S'56-M'57), Demonstrator, Dept. of Elec. Engrg., Univ. of Manitoba, Winnipeg, Man., Canada.

 RABER, SAMUEL (M'56-SM'59), Electronics Engr., Amer.

- RABER, SAMUEL (M'56-SM'59), Electronics Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.
 RABIN, GEORGE C. (S'46-A'49-M'55), Sr. Project Engr., Consolidated Avionics Corp., BOO Shames Dr., Westbury, L.I., N.Y.
- RABIN, RICHARD (S'49-A'50-M'55), Engrg. Dir., Aero-nautical Equipment, Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N. Y. RABINOVICI, BENJAMIN (A'51-M'56-SM'5B), Research Engr., IBM, Watson Lab., 612 W. 115 St., New York, N. Y.
- N. Y.

 ABINOW, JACOB (SM'54-M'56), Pres., Rabinow Engrg.
 Co., 7212 New Hampshire Ave., Washington 12, D. C.

 RABINOWITZ, AARON A. (M'5B), Engr., GE Co., Syracuse,
- RABINOWITZ, CHARLES M. (M'59), Elec. Engr., Teleregister Co., 445 Fairfield Ave., Stamford, Conn.
 RABINOWITZ, JACOB (A'52-M'56), Sr. Engr., RCA, Surface Commications Systems, 75 Varick St., New York 13, N. Y.
- RABINOWITZ, MARTIN (S'56-M'57), Prof., Staten Island Community College, 50 Bay St., Staten Island, N. Y.

- RABINOWITZ, MORRIS H. (A'4B), Service Engr., Rabino-witz TV Service Co., 23-65 48 St., Long Island City 3, N. Y.
- N. Y.
 RABINOWITZ, SAMUEL J. (A'54), Staff Mem., MIT Lincoln Lab., Lexington, Mass.
 RABORN, ROBERT I. (S'56-M'57), Elec. Engr., Esso Standard Oil Co., Baton Rouge, La.
 RABOWSKY, IRVING (M'55), Sr. Engr., Solld State Electronics Dept., Motorola, Inc., 3102 N. 56 St., Phoenix, Arlz.

- Ariz.

 RABOY, BERNARD (A'53-SM'57), Project Engr., Martin Co., Orlando, Fla.

 RABURN, LOUIS E. (S'41-A'44-M'46-SM'50), Sect. Mgr., Antennas & Microwave Plumbing, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 RACE, HARRY C. (M'57), Sr. Instr., Wentworth Institute, Huntlington Ave., Boston, Mass.

 RACE, RICHARD T. (A'44), Chief Engr., Research, Automotive Prods. Div., Motorola, Inc., 4545 Augusta Blvd., Chicago 51, III.
- Chicago 51, III.

 RACEY, THOMAS W. (A'5B), Industrial Sales, Hygrade
 Radio, Ltd., 971 Richards St., Vancouver, B. C., Canada.
 RACH, ROY D. (A'59), Experimental Technician, Bendix
 Prod. Div., 400 S. Belger St., Mishawaka, Ind.
 RACHALS, RICHARD (M'5B), Exec v. P., Kollimorgen Optical Corp., 347 King St., Northampton, Mass.
 RACHLIN, MARCUS (A'55), Electronics Equipment Specialist,
 Frankford Arsenal, Philadelphia 37, Pa.
 RACITI, SALVATORE A. (A'59), Component Project Engr.,
 RCA, Camden, N. J.
 RACKER, JOSEPH (A'51-M'56), Chief Engr., Caldwell-Clements Manuals Corp., 480 Lexington Ave., New York 17,
 N. Y.
 RACKEY, CHESTER A. (SMAP) Disc. 5, 2000.

- NACKEY, CHESTER A. (SM'4B), Dir., Facilities Engrg., NBC, 30 Rockefeller Plaza, New York 20, N.Y. RACKLIFFE, RICHARD J. (S'50-A'54), Sr. Test Engr., Hamilton Standard Div. of UAC, Bradley Field, Windsor

- Cocks, Conn.

 RACZYNSKI, ANDREW T. (M'55), Engr., Sperry Electronic Tube Div., Gainesville, Fla.

 RADABAUGH, EARL L. (M'52), Govt. Account Specialist, Motorola Communications & Electronics, 1145 19 St., N. W., Washington, D. C.

 RADANT, MILTON E. (S'54-M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 RADCLIFFE, ARTHUR J. (A'52-M'57), Principal Engr., Active Circuits, Electronic Prods. Dept., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chicago 38, III.

 RADCLIFFE, FREDERICK E. (A'39-SM'54), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 RADCLIFFE, JOHN C. (A'55-SM'56), Reliability Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dalias 9, Tex.

 RADDIN, FRANKLIN M. (A'56), S. Davine Engr.

- Tex.

 RADDIN, FRANKLIN M. (A'56), Sr. Design Engr., Monrobot Lab., Hanover Ave., Morris Plains, N. J.

 RADFORD, EMMONS R. (M'57), Radar Component Dev. Engr., GE Co., Syracuse, N. Y.

 RADFORD, ROBERT C. (S'56-M'56), Installation Supvr., Ericsson Telephone Sales of Canada, 130 Bates Rd., Montreal B, P. Q., Canada.

 RADFORD, WILLIAM H. (A'41-SM'45-F'54), Prof., Elec. Communications, MIT., Assoc. Dir., Lincoln Lab., Cambridge 39, Mass.
- RADGOWSKI, STEPHEN P. (S'46-A'49-M'55), Asst. Engr., Consolidated Edison Co. of N. Y., 4 Irving Pl., New York, N. Y.
- Consolidated Edison Co. of N. Y., 4 Irving Pl., New York, N. Y.

 RADHAKRISHNAN, V. (M'5B), Dept. of Radio Astronomy, California Institute of Technology, Pasadena, Calif.

 RADIUS, CLARRINCE (A'42-M'43-5-M'43), Head, Electronic Engra, Dept., California State Polytechnic College, San Luis Obispo, Calif.

 RADKE, CHARLES E. (M'59), Electronics Engr., RCA Service Co., Camden B, N. J.

 RADKOWSKY, LAWRENDE (S'55-M'56), Nuclear Power Engr., USN Bureau of Ships, Washington, D. C.

 RADMACHER, DONALD S. (M'45), Asst. Chief Engr., Stoddart Aircraft Radio Co., Inc., 6644 Santa Monica Bivd., Hollywood 3B, Calif.

 RADMAN, NELSON T. (A'5B), Staff Asst., Sandla Corp., Sandla Base, Albuquerque, N. M.

 RADNER, MELVIN A. (M'57), Project Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N. Y.

 RADNOR, RICHARD R. (S'49-M'50-M'55), Engr., GE Co., Utica, N. Y.

 RADO, JAN A. (A'39-M'45-SM'45), Sr. Project Engr., Dage Television Div., Thompson-Ramo-Wooldridge Corp., W. 10 St., Michigan City, Ind.

 RADO, LEONARD G. (M'59), Project Engr., Westinghouse Elec. Corp., Baltimore, Md.

 RADOCK, CHARLES (S'57-A'5B), TV Broadcast Technician, WKBN Broadcasting Corp., 3930 Sunset Bivd., Youngs-town 1, Ohio.

- RADOM, ROBERT (A'45-M'55), Research Consultant, Old

- RADOM, ROBERT (A'45-M'55), Research Consultant, Old Saybrook, Conn.

 RADOMSKI, JOSEPH J. (M'5B), Chief Engr., Gai-Tronics Corp., 1530 Lancaster Ave., Reading, Pa.

 RADUZINER, DAVID M. (A'55), System Engr., Raytheon M'19. Co., Wayland, Mass.

 RADWAY, TIMOTHY D. (S'57-M'5B), Airborne Instrument Lab., Mineola, L. I., N. Y.

 RADZKA, BENJAMIN (SM'57), Production Mgr., Electronic Tube Div., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 RAE, JAMES R. (A'41-SM'53), Chief Engr., Long Lines, AT&T Co., 32 Ave. of the Americas, New York 13, N. Y.

 RAEDELS, FRED S. (A'55), 209 Ridgeway, Little Rock, Ark.
- RAEF, ANTHONY J. (S'55-A'56), Tech Writer, Motorola, Inc., 1450 N. Cicero Ave., Chicago, III.
 RAFALE, MILTON J. (SM'5B), Pres., Materials for Electronics, Inc., 152-25 13B Ave., Jamaica 34, L.I., N.Y.
- RAFFA, PETER E. (A'52-M'57), Contract Sales Mgr., Technitro! Engrg. Co., 1952 E. Allegheny Ave., Phila-

- delphia, Pa.

 RAFFEL, JACK I. (5'51-A'55), Elec. Engr., MIT Lincoln
 Lab., Lexington 73, Mass.

 RAFFEL, JEROME M. (5'57-M'59), Electronics Engr.,
 Erco Nuclear Prods., Riverdale, Md.

 RAFFEL, LEON (A'5B), Mngt., Raffel Electronics, 44B-450 Baldwin Ave., Jersey City, N. J.

 RAFFENSPERGER, MAURICE J. (SM'55), Sr. Staff, Staff.
 Control Systems Div., The Ramo-Wooldridge Corp., Box
 45534, Los Angeles 45, Calif.

- RAFFERTY, JOHN J. (A'52-M'57), Project Engr., Office of Naval Research, Special Devices Center, Port Washington, L. I., N. Y. RAFFERTY, WILLIAM G. (S'49-A'50-M'5B), Project Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y. RAFFO, GIAN F. (A'57), Sr. Engr., Laboratorio di Ricerche Electroniche Olivetti, Via del Parlamento 33 Borgolombardo, Milano, Italy.
- Milano, Italy.

 RAFFONE, JOHN J. (M'59), Tech. Public Relations, Bell
 Tel. Labs., 463 West St., New York 14, N. Y.

 RAFI, MASUD A. (M'51), Deputy Dir., Communications,
 Govt. of Pakistan, Dept. of Civil Aviation, Karachi, Pakistan,
- Govt. of Pakistan, Dept. of Civil Aviation, Karachi, Pakistan RAGATZ, EUGENE C. (M. '59), Tech. Dir., Alden Bradley Co., 136 Greenfield Ave., Milwaukee 4, Wis. RAGAZZINI, JOHN R. (A. '41-M. '46-S.M. '52-F.'55), Dean, College of Engra, New York Univ., University Hyts., New York 53, N. Y. RAGEN, JACK R. (S'49-A'50-M'5B), Project Engr., Crosley Div., Avco Mig. Corp., 1329 Arlington St., Clicinnati, Ohio.
- RAGER, GEORGE T. (A'51-M'56), Field Engr., Philco Coro., Philadelphia 32, Pa.

- Coro., Philadelphia 32, Pa.
 RAGO, KENNETH A. (M'57), Engr., Sylvania Elec. Prods.,
 Inc., 189 B St., Needham, Mass.
 RAGONESE, FRANK L. (A'46), Project Engr., Sperry Rand
 Lab., Wilson Ave., South Norwalk, Conn.
 RAGOT, ROBERT L. (S'49-M'5B), Assoc. Engr., Westinghouse Elec. Corp., Box 746, Baltimore, Md.
 RAGSDALE, HARRY W. (S'4B-SM'50), Fleld Engr., The
 Audichron Co., 1151 W. Peachtree St., N. E., Atlanta 9,
 Ga.
- RAGSDALE, ROBERT G. (S'49-A'50-M'58), Sr. Elec. Engr., Radjation, Inc., Box 37, Melbourne, Fla. RAGSDALE, SAM P. (S'53-A'54), Elec. Engr., ARO, Inc., Tullahoma, Tenn.
- RAGSDALE, WILLIAM E. (M'57), Chief Engr., University Broadcasting Services, Florida State Univ., Tallahassee,
- Broadcasting Services, Florida State Univ., Tallahassee, Fia.

 RAGSDALE, WILLIAM H. (A'44-M'51), Prod. Design Engr., Ford Motor Co., Box 2053, Dearborn, Mich.

 RAHA, HEMENDRANATH (A'49-M'53), Research Asst., Atomic Research, Bose Inst., Calcutta 9, Prop., Geni. Electrical & Mechanical Co., Calcutta 9, India.

 RAHAL, NICHOLAS S. (S'49-A'51-M'56), Research Engr., Data-Control Systems, Inc., 39 Rose St., Danbury, Conn., RAHILLY, JAMES P. (M'57), Engr., Raytheon Mfg. Co., Bedford, Mass.

 RAHLF, JOHN P. (A'53), Engrg. Rep., Aerojet-Geni. Corp., 349 W. 1st St., Dayton 2, Ohio.

 RAHMES, RALPH E. (SM'59), Supt., Western Electric Co., 30 Church St., New York, N. Y.

 RAHNET, ROBERT G. (A'4B), Tech. Dir., NBC, Merchandise Mart Plaza, Chicago 54, [III.

 RIBLE, RAYMOND W. (A'52-M'58), Physicist, Univ. of Arkansas, Dept. of Chemistry, Fayetteville, Ark.

 RAILE, JAY D. (M'5B), Engr., GE Co., 13430 N. Black Canyon Hwy, Phoenix, Ariz.

 RAILLARD, HEINZ (M'56), Engr., GE Co., 202 Highland Ave., Syracuse 3, N. Y.

 RAINA, KENNETH A. (S'56-M'59), Assoc. Mem. Tech. Staff, RCA, Burlington. Mass.

- RAILLARD, HEINZ (M'56), Engr., GE Co., 202 Highland Ave., Syracuse 3, N. Y.
 RAINA, KENNETH A. (S'56-M'59), Assoc. Mem. Tech.
 Staff, RCA, Burlington, Mass.
 RAINAL, ATTILIO J. (S'56-M'57), Research Staff Asst.,
 Radiation Lab., The Johns Hopkins Univ., Baltimore 2, Md.
 RAINE, HARQLD R. (S'53-M'54-M'59), Defence Scientific
 Service Officer, Defence Research Telecommunications Est.
 (E. L.), Montreal Rd., Ottawa, Ont., Canada.
 RAINES, ORDE E. (A'56), Transmitter Engr., NBC, Mt. Wilson, Callf.
 RAINES, RICHARD M. (A'57), Technologist, Tampa Neuropsychiatric Clinic, 1425 S. Howard Ave., Tampa, Fia.
 RAINES, ROBERT F. (M'54), Group Engr., Electro-Selvo
 Standards, Northrop Aircraft, Inc., Hawthorne, Callf.
 RAINEY, ERNEST A. (A'57), Engr., Brookhaven Natl. Lab.,
 Upton, L. I., N. Y.
 RAINEYLE, LOUIS P. (S'56-A'57), Engr., Hughes Alrcraft Co., Culver City, Callf.
 RAINVILLE, LOUIS P. (S'56-A'57), Engr., HIT Lincoln
 Labs., Lexington 73, Mass.
 RAINWATER, L., JAMES (SM'57), Prof., Physics; Dir.,
 Nevis Cyclotron Labs., Columbia Univ., New York, N. Y.
 RAISBECK, GORDON (SM'53), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N. J.
 RAISER, EDWARD N. (S'57-M'5B), 215 S. 9, La Grange,
 Ill.

- RAIT, CHARLES M. (S'5B-M'5B), Project Engr., Bendix Aviation Corp., Eatontown, N. J. RAITI, JOSEPH J. (A'54), Production Dept., Plant Elec. Engr., New York Naval Shipyard, Brooklyn, N. Y.
- Engr., New York Naval Shipyard, Brooklyn, N. Y.
 RAITS, EDWARD J. (M'50), Mem., Tech. Staff, Hughes
 Communications Div., Box 90902, Los Angeles 45, Calif.
 RAJAGOPALAN, PARANDUR K. (A'56), Asst. Lecturer,
 Elec, Engrg., Indian Institute of Technology, Kharagpur,
 India.
- RAJAMANI, VANNAKAMBADI S. (M'5B), Tech. Asst., In-dian Institute of Science, Bangalore, India.

- dian Institute of Science, Bangalore, India.

 RAJASEKHAR, P. S. (M'5B), Sr. Engr., Raytheon Mfg. Co., Newton 5B, Mas.

 RAJCHMAN, JAN A. (SM'46-F'53), Assoc. Dir., System Research Lab., RCA, Princeton, N. J.

 RAJENDRA, YASHAWANT L. (M'58), Principal, Radionic Institute, Nasik City, Bombay State, India.

 RAJU, D., V. S. (M'57), Research Officer, Central Water & Power Research Sta., Khadakwasala, Poona, India. RAJU, PENMETCHA S. (M'59), Engr., Sylvania Elec. Prods., Inc., Box 1296, Mountain View, Calif.

 RAJU, TRIPONITHURA A. (M'56), Head, Dept. of Telecommunication, Walchand College of Engrg., Vishbrambag, Sangli, Bombay State, India.
- RAKEL, ROBERT H. (S'49-A'54-M'5B), Instr., Elec. Engrg., Univ. of Cincinnati, Clifton Ave., Cincinnati 21, Ohio.
- Unio.

 RAKER, SAMUEL K. (S'54-M'56), USN, Home: 3633

 Everett St., N. W., Washington B, D. C.

 RAKOSKE, DANIEL T. (S'53-A'55), Sr. Engr., Martin Co.,

 Baltimore 3, Md.

 RALATOS, PETER A, (S'56-M'57), Electronics Engr.,

 Motorola Research Lab., B330 Indiana Ave., Riverside,

 Calif.
- RALEIGH, JAMES T. (S'53-M'5B), Mem. Tech. Staff, Bell Tel. Lab., Murray Hill, N.J.

- RALIDIS, GEORGE W. (S'48-A'55), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y. RALL, HOWARD L. (S'53-M'56), Engr., Murdoch Labs. Div., Blackstone Corp., 921 Port Washington Blvd., Port Washington, L. I., N. Y.

- Washington, L.I., N. Y.

 RALLS, JOHN W., (S'41-A'46-M'55), Partner, Lippincott
 & Ralls, 24 Callfornia St., San Francisco 11, Calif.

 RALLS, RAWLEIGH H. (A'48-M'52-SM'58), Communications Systems Engr., Hygr. Strategic Air Command, CommElectronics Div., Offutt AFB, Neb.
 RALPH., JOHN T. (M'53), Dir., Engrg., Radio Prods. Div.,
 Warwick Mfg. Corp., 7300 N. Lehigh Ave., Niles, III.

 RALSTON, GEORGE (M'48-SM'55), Advisory Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md.

 RAMABHADRAN. S. (A'47). Asst. Prof., Telecommunica-
- RAMABHADRAN, S. (A'47), Asst. Prof., Telecommunication Engrg., Delhi Polytechnic, Kashmere Gate, Delhi 6,
- tion Engrg., Delhi Polytechnic, Kashmere Gate, Delhi 6, India.

 RAMACHANDRA, M. (M'56), Lt., Elec., Officer, Indian Navy, I. N. S. Ranjit, Fleet Mail Office, Bombay, India. RAMACHANDRAN, D. N. (A'57), Radio Technician, Civil Aviation Degt., Govt. of India, Aeronautical Communication Organization, Nappur 5, India.

 RAMACHANDRAN, P. (A'47-M'56), Sr. Radio Inspector, Himdusthan Aircraft, Ltd., Bangalore, India.

 RAMACHANDRAN, P. (A'45-M'56), Sr. Engr., The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 RAMACE, WILLIAM W. (A'55), Sr. Engr., The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 RAMALEY, CHARLES W. (A'51-M'56), Sales Engr., Lorain Prods. Corp., 1122 ""St., Lorain, Ohio.

 RAMAMORTHY, CHITTORY V. (M'57), Sr. Engr., Datamalic Div., Minneapolis—Honcywell Regulator Co., Newton Highlands, Mass.

 RAMAMURTHY, T. V. (A'56), Tech. Secy. to Dir., Natl. Physicial Lab., Hill Side Rd., New Delhi 12, India.

 RAMANI, RAM V. (A'55), Dir., Seshasayee Brothers (Private), Ltd., Udyogamandal, Kerala State, India.

 RAMANIS, OJARS (M'59), Engr., RCA Victor Co., Camden 8, N. J.

 PAMBERG, LDWARD G. (M'53-SM'53-F'55), Fellow, Tech. Staff., RCA, Princeton. N. J.

- 8, N. J.
 RAMBERG, EDWARD G. (M'53-SM'53-F'55), Fellow,
 Tech. Staff., RCA, Princeton, N. J.
 RAMBO, LEWIS W. (A'47-M'54), Lt. Cmdr., USN, Asst.
 Industrial Engra. Officer, Philadelphia Naval Shipyard,
 Philadelphia 12, Pa.
- RAMBO, S. IVAN (A'41-M'45-SM'50), Sect. Mgr., West-inghouse Elec. Corp., Electronics Div., Box 1897, Balti-more 3, Md.
- more 3, Md.

 RAMBO, WILLIAM R. (S'39-A'40-SM'46), Dir., Stanford Electronics Labs., Stanford Univ., Stanford, Calif.

 RAMELLA, PETER R. (S'54-A'57-M'58), Project Engr., Autometric Corp., 1501 Broadway, New York 36, N. Y.

 RAMER, FRED H., JR. (S'56-M'57), Reseach Engr., Autometrics Div., No. Amer. Avlation, Downey, Calif.
- RAMER, JON P. (M'57), Assoc. Engr., Martin Co., Or-lando, Fla.

- lando, Fla.

 RAMER, JOSEPH S. (M'58), Chief Engr., Heath Co., Benton Harbor, Mich.

 RAMEY, DONALD E. (M'58), Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio.

 RAMEY, JAMES C. (A'55), Radar Tech. & Shop Foreman, USP & FO For California, Box 1139, Sacramento, Calif.

 RAMEY, ROBERT A. (M'46-F'58), Mgr., New Prods., Engrg. Dext., Westinghouse Elec. Corp., East Pittsburgh, Pa.
- Pa.

 RAMEY, ROBERT L. (S'47-A'4B-M'5B), Assoc. Prof. Elec. Engrg., Univ. of Virginia, Charlottesville, Va. RAMICH, CARMEN E. (M'52-SM'56), Mgr., Engrg., Westinghouse Elec. Corp., Box 284, Elimira, N. Y. RAMIREZ, EDWARD V. (S'55-M'56), Research & Dev., Sperry Gyroscope Co., Great Neck, L. I., N. Y. RAMIREZ, LAMBERTO. (A'54), Production Engrg., Hallicrafters Co., 4400 W. 45 St., Chicago, III.

 RAMIREZ-SAENZ, ANGEL (M'57), JEFE Departamento Tecnico, Casa Radio Ltda., Carrera 5 & 9-41, Cali, Valle, Columbia.

- Columbia.

 RAMLER, DAVID A. (A'54), Prod. Engr. & Mgr., Apahouser Corp. of N. E., 1312 Boylston St., Boston, Mass.

 RAMMER, CHARLES A. (M'51), Mgr., Mobile Communications Design Group, RCA, Camden, N. J.

 RAMO, SIMON (A'3B-SM'44-F'50), Pres., Space Technology Labs., Box 45215, Airport Sta., Los Angeles 45, Calif.

- Calif.

 RAMONT, RICHARD L. (\$'53-A'54), Engrg. Supwr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 RAMOS, ALBERT A. (M'57), Sect. Engr., Hughes Aircraft Co., Culver City, Calif.

 RAMOS, ALEJANDRO S. (A'55), Telecommunication Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Carlson, Calif.
- 7, N. T.
 RAMOS, EDWARD (M'55), Project Engr., Diamond Ordnance
 Fuze Lab., Washington 25, D. C.
 RAMOS, PAULO A. L. (A'56), Maj., Brazillan Army, Brazilian Milltary Commission, 2134 Leroy Pl., N. W., Washington 8, D. C.
- RAMP, HERBERT O. (M'59), Project Engr., GE Co., Syr-
- acuse, N.Y.

 RAMP, ROBERT L. (A'58), Assoc. Elec. Engr., Reactor
 Engrg. Div., Argonne Natl. Lab., Box 299, Lemont, III.

 RAMSAUER, FRANCIS J. (A'55), V.P.& Genl. Mgr.,
 Networks Electronic Corp., 14806 Oxnard, Van Nuys,
 Callí.

- Calif.

 RAMSAY, JAMES D. (M'57), Service Engr., Varian Associates, inc., 611 Hansen Way, Palo Alto, Calif.

 RAMSAY, JAMES B. (M'54), Supvy. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 RAMSAY, JAMES H. (M'56), Sr. Engr., Canadian Marconi Co., 2442 Trenton Awe., Montreal 16, P.Q., Canada.

 RAMSAY, SELWYN P. (SM'58), Mem. Tech. Staff, Hughes Alicraft Co., Fullerton, Calif.

 RAMSAY, WILLIAM R. (A'4B-M'55), Group Leader, Lockheed Missile Systems Div., Palo Alto, Calif.

 RAMSEY, JAMES I. (M'57), Engro. Group Supvr., Philococor., 4700 Wissahlckon Awe., Philadelphia 44, Pa.

 RAMSEY, R. W. (A'38–N4'39), Audio & Projection Engr., Carolina Sound Egulpment Service, 614 Clement Ave., Charlotte 4, N. C.

 RAMSEY, ROBERT C. (S'49–A'50–M'55), Engr., Electro-
- Charlotte 4, N. C.
 RAMSEY, ROBERT C. (S'49-A'50-M'55), Engr., Electro-Volce, Inc., Buchanan, Mich.
 RAMSEY, JAMES T. (A'58), Special Rep., Philco Corp., 1014 Talbott 8ldg., Dayton 2, Ohio.

- RAMSEY_OTHINEAL B., JR. (S'53-A'53-M'57), Electronics Engr., Hors., Oklahoma City GEEI Region, OCXB-MEC, Tinker AFB, Oklahoma City, Okla.

 RAMSEY, ROBERT W., JR. (A'51-M'57), Reactor Engr., USAEC, Savanah River Operations Office, Box A, Alkens, S.C.
- RAMSEY, WILLIAM H. (M'57), Sr. Mem. Tech. Staff, RCA Missile Electronics & Controls Dept., Box 5BB,
- RCA Missile Electronics & Controls Dept., DOX DDS, Burlington, Mass. RAMSKOLD, OLOF S.H. (A'58), Engr., Svenska Radio-aktiebolaget, Stockholm 12, Sweden. RAMSTEDT, CLARENCE F. (S'51-A'54-M'57), Elec-tronics Scientist, USN Ordnance Test Sta., 3202 E. Foothill Blvd., Pasadena B, Calif.
- RANALLI, RALPH (S'57-M'59), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. RANCK, CHARLES A. (A'56), Flec. & Instrument Foreman, AIResearch Mfg. Co. of Ariz., 402 S. 36 St., Phoenix,

- Ariz.

 RAND, GEORGE (M'57), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 RAND, JAMES C. (S'54-A'55), Engr., Raytheon Mfg. Co., Maynard, Mass.

 RAND, KEITH A. (A'56), Engr., GE Co., 4835 W. Electric Ave., Milwaukee J. Wis.

 RAND, PHILIP S. (M'46-SM'55), Project Engr., Sperry Rand Corp., Wilson Ave., South Norwalk, Conn.

 RAND, ROBERT L. (S'56-M'59), Elec. Engr., U.S. Naval Ordinance Test Sta., China Lake, Calif.

 RANDAL, JACK M. (S'55-A'54), 6125 B Karen Circle, Ft. Worth 16, Tex.

 RANDAL, ADIN E. (A'48-M'55), Chief Engr., Waukesha
- Pt. Worth 16, Tex.

 RANDALL, ADIN E. (A'48-M'55), Chief Engr., Waukesha Broadcasting Co., 319 W. Main St., Waukesha, Wis.

 RANDALL, CHESTER R. (A'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 RANDALL, DONN S. (A'56), V.P., Larcom Randall Advertising, Inc., 51 Melcher St., Boston 10, Mass.

 RANDALL, DORUS P. (A'19-VA'39-SM'48) (L), Prof., Physics, Syracuse Univ., Syracuse 10, N.Y.

 RANDALL, GERALD A. (SM'50), Asst. V.P., Administration, Dc., & Research Debt., Worter Union Telegranh Co., 60 Huddon St., New York 13, N.Y.

 RANDALL, GRANT M. (S'49-A'51), Supvr., Autonetics Div., No., Amer. Aviation, Downey, Callf.

 RANDALL, HENRY (SM'54), Staff Asst., Office of Dir. of Defense Research & Engrg., The Pentagon, Washington 25, D.C.

 RANDALL, HOWARD L. (A'42-M'55), Research Engr.,

- RANDALL, HOWARD L. (A'42-M'55), Research Engr., Physical Research Staff, Boeing Airplane Co., Seattle,
- RANDALL, JAMES E. (S'47-A'49-M'55), Assoc. Prof. Biophysics, Univ. of Missouri, Dept. of Physiology, Co-lumbia, Mo.
- Iumbia, Mo.

 RANDALL, JAMES E. (S'54-M'55), Sales Mar., Burlingame Associates, 974 Main St., Waltham, Mass.

 RANDALL, JAMES I. (M'59), Chlef, Electronics Sect., Human Engrg, Lab., Aberdeen Proving Ground, Md.

 RANDALL, JOHN M. (M'59), Electronics Design Engr., Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N.Y.
- 2, N.Y.

 RANDALL, KIRBY K. (S'54-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif. RANDALL, LEE B. (A'54), Engr., Magnavox Research Labs., 2255 S. Carmelina Ave., Los Angeles 64, Calif. RANDALL, MYRON W. (M'55), Principal Engr., Bendix Radio Div., Towson 4, Md.
 RANDALL, NEIL C. (S'52-A'53-M'58), Research Group Supvr., Philo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 RANDALI PICHADD M. (S'152-M'58)

- phia 44, Pa.

 RANDALL, RICHARD H. (S'56-M'58), Research Engr.,
 Remington Rand Univac, St. Paul 16, Minn.

 RANDALL, THOMAS M. (S'53-A'54), Aircraft Instrumentation Engr., Lockheed Aircraft Corp., Marietta, Ga.

 RANDAZO, JOSEPH J. (A'53), Owner, Center TV-Electronics Co., 278 Nassau Rd., Roosevelt, L.I., N.Y.

 RANDELL, RUSSELL R. (M'57), Dir., IGEI Electronics
 Institute, 208 S. Manhattan Ave., Tampa, Fla.

 RANDELL, THEODORE C. (S'50-A'51-M'56), Research
 Branch Leader, Melpar, Inc., 43 Leon St., Boston 15,
 Mass.

 RANDLES, WFSI FY C. (A'39-M'47), Electronics Engr

- Mass.

 RANDLES, WESLEY C. (A'39-M'47), Electronics Engr.,
 Raytheon Mfg. Co., Waltham, Mass.
 RAYDMER, JACOB A. (SM'53), Engrg. Dir., Components,
 Remington Rand Univac, South Norwalk, Conn.
 RANDOIN, ROBERT A. (A'55), Field Engr., District Mgr.,
 Picker X-Ray Engrg., Ltd., 20 St. John St., Quebec,
 P. Q., Canada.
- P.Q., Canada.

 RANDOLPH, ALBERT M. (A'50-M'54), Electronics Engr.,
 United Gas Corp., Box 1407, Shreveport, La.

 RANDOLPH, CURTIS E. (S'55-M'56), Transistor Design
 Engr., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas, Tex.

- pressway, Dallas, Tex.
 RANDOLPH, GERALD C. (A'53), Sr. Engr., ITT Labs.,
 Nutley 10, N.J.
 RANDOLPH, GERALD L. (S'56-M'59), Engr., MinneapolisHoneywell Regulator Co., 13350 U.S. Hwy. 19, St.
 Petersburg, Fla.
- Petersburg, Fla.

 RANDOLPH, GLENN W. (M'49), Asst. Automotive, Mgr., Bendix Radio Div., Towson 4, Md.

 RANDOLPH, HAL D. (S'51-A'55-M'59), Asst. Prof., Elec. Engro., Univ. of Miami, Cora' Gables, Fla.

 RANDOLPH, J. PEYTON, JR. (A'44-5M'55), Supvr., Instrumentation Dev., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, M3.
- RANDOLPH, RAYFIELD V. (4'55-M'58), Engr., Genl. Tel. & Electronics, 185 B St., Needham, Mass.

- Tel. & Electronics, 185 B St., Needham, Mass.
 RANDDLPH, RUSSELL C. (S'49-A'50-M'55), Project
 Coordinator, Hughes Aircraft Co., Culver City, Calif.
 RANEY, JOHN J. (SM'53), Owner, John Raney Associates,
 104 Brantwood Rd., Buffalo 26, N. V.
 RANEY, WILLIAM P. (M'57), Asst. Prof., Applied Physics,
 Harvard Univ., Cambridge, M'see
 RANFELT, VAGN E.B. (M'59), Bell Tel. Labs., Murray
 Hill, N.J.
 RANFELT, PROFETA (SM'57) New Particle A Calif.
- RANFTL, ROBERT M. (SM'57), Mgr., Reliability & Quality Control, Airborne Systems Labs., Hughes Aircraft Co., Culver City, Calif.
- RANGE , MORRIS A. (S'49-A'52-M'57), Supvg. Service Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 3, Md.

- RANGER, R.H. (F'37) (L), Pres., Rangertone, Inc., 73 Winthrop St. Newark 4, N.J. RANGITSCH, EARLL. (M'56), Training Supvr., GE Co., 600 Main St., Johnson City, III. RANGWALLA, A.A. (S'58-M'59), Phillips Internati. Institute, Nieuw St., 38, Eindhoven, Holland. RANISH, HARRY (S'55-M'57), Electronics Engr., Convair, Pomona, Calif. RANK, DONALD F. (S'56-M'5B), Field Rep., AC Spark Plug, 1925 E. Kenllworth, Milwaukee, Wis. RANK, WILLIAM B. (4'88-M'51). Communications.
- RANK, WILLIAM B. (A'48-M'51), Communications, Trans-Texas Airways, Inc., Municipal Airport, Houston 17, Tex.
- 17, Tex.

 RANKE, EDWARD K. (S'55-M'57), Elec. Design Engrg., Chrysler Missile Corp., Box 2628, Detroit 31, Mich.

 RANKE, KENNETH R. (S'57-M'59), Microwave Engr., Motorola, Inc., 1400 Clero Ave., Chicago, Ill.

 RANKIN, AUSTIN E. (SM'51), Engr., Power Tube Dept., GE Co., Schenectady, N. Y.

 RANKIN, JOHN A. (A'35-SM'44), Dir., Engrg., V-M Corp., Berton Harbor, Mich.

 SANKIN, IGHN B. (S'49-A'51-M'58), Research Engr., RCA

- Demoin narror, Mich.

 RANKIN, JOHN B. (S'49-A'51-M'58), Research Engr., RCA
 Labs., Princeton, N.J.

 RANKIN, LESLIE T. (A'56), Quality Control Engr., Convair,
 Ft. Worth, Tex.

 RANKIN, ROBERT L. (SM'53), Retired, 435 W. 119 St.,
 New York 27, N.Y.

 RANKIN, THOMAS C. (SMISS)
- RANKIN, THOMAS G. (SM'59), Design Engr., Sperry Gyroscope Co. of Canada, Ltd., Box 710, Montreal, P.Q., Canada.
- Canada .

 RANKOWITZ, SEYMOUR (S'46-A'50-M'55), Electronics
 Engr., Brookhaven Natl Lab., Upton, L.1., N.Y.

 RANKS, JOHN E. (S'42-A'45-M'55), Sect. Mgr., Systems
 Engrg., Electrodata Div., Burroughs Corp., 460 Sierra
 Madre Villa, Pasadena, Calif.
- Maare VIIIa, Pasadena, Calif.
 RANKY, BELA (SM'54), Sr. Research Engr., Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mt. Vernon, N.Y.
 RANNEY, A. FREDERICK (S'57-A'59), Lab. Technician, Wentworth Institute, 550 Huntington Ave., Boston 15, Mass.
- RANSIER, RONALD (M'56), Inspector Genl., U.S. Army Signal Supply Agency, 225 S. 16 St., Fhiladelphia, Pa. RANSIL, R. JOSEPH (S'52-A'53-M'58), Supvr., Elec-tronics Design, Lockheed Missiles & Space Div., Sunny-vale, Calif.
- vale, Calif.

 RANSOM, DAVID H. (M'48), Owner & Chief Engr., Ransom Research, 323 W. 7 St., San Pedro, Calif.

 RANSOM, DONALD J. (S'49-A'50-M'56), Mgr., Kinescope Applications & Reliability Lab., RCA, S. Adams St., Marion, Ind.

- RAMSOM, DONALD J. (S'49-A'50-M'56), Mgr., Kinescope Applications & Reliability Lab., RCA, S. Adams St., Marion, Ind.

 RAMSOM, GLEN B. (M'45-SM'59), Area Chief Engr., AT&T Co., 138 E. Court St., Clincinnati 2, Ohio.

 RAMSOM, JAMES R. (M'57), Asst. Project Engr., Bendix Radio Coro., Dept. 470, Towson 4, Md.

 RAMSOM, RAYMOND A. (A'45-M'55), Pres., R. A. Ransom Co., Inc., 1025 Connecticut Ave., Washinoton 6, D.C.

 RAMSOME, R. L. (A'49-M'54), Sr. Communications Engr., Shell Oil Co., Box 2099, Houston, Tex.

 RAMSOME, JOHN T., JR. (S'54-M'55), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 RANTZ, ROBERT D. (S'56-M'5B), Officers Mess, RCAF Sta. Uplands, Ottawa, Ont., Canada.

 RANTZEN, HENRY B. (SM'50), Sr. Research Engr., Standard Telecommunication Labs., Ltd., c/o Librarian, Progress Way, Great Cambridge Rd., Enfield, Middle, England.

 RANUCCI, JOSEPH, JR. (S'56-M'5B), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 RAO, BARRI R. (M'54-SM'57), Prof., Physics, Andhra Univ., Waltair, India.

 RAO, GUTHIKONDA V. (A'39-M'48), TV Engr., Advanced Dev., RCA, Camden, N. J.

 RAO, H. JOGA (M'49), Radio Engr., Govt. of Andhra, Pradesh, Secunderabad, South India.

 RAO, H. JOGA (M'49), Radio Engr., Oye, Ltd., Radio Works, Cambridge, England.

 RAO, KLOKINAN L. (A'51-M'56), Asst. Planning Officer, All India Radio, Broadcasting House, New Delhi, India.

 RAO, KLOKINBOTLA R. (M'58), Lecturer in Physics, Lingarai College, College Rd., Belgaum, India.

 RAO, M. SPIRAMA (A'55-SM'57), Lecturer, Applied Physics, Andhra Univ., Waltair, Andhra State, India.

 RAO, M. SPIRAMA (A'55-SM'57), Research Asst., Elec. Engrg. Dept., Univ. of Washington, Seattle 5, Wash.

 RAO, NANNAPANENI N. (A'57), Research Asst., Elec. Engrg. Dept., Univ. Of Washington, Seattle 5, Wash.

 RAO, NANNAPANENI N. (A'57), Research Asst., Flec. Engrg. Dept., Univ. Of Washington, Seattle 5, Wash.

 RAO, LICHIBHOTLA L. S. (M'49), 124 SRI Kirsharariendra, Basavangudi, Bangalore, South India.

- Basavanguuri, Bangaiore, Soutin India.

 RAO, VEPA VENKATA L. (A'37-M'46-SM'46), Principal,
 Govt. Engrg. College, Andhra State, Kakinada, India.

 RAPALUS, HENRY W. (A'54), Electronics Engr., Dept. of
 Defense, Washington 25, D.C.

 RAPAPORT, HAROLD (M'54-SM'57), Leader, Data Processing Systems, RCA Surface Communications Systems Lab., 75
 Varick St., New York 13, N.Y.
- RAPER, ALFRED J. (A'44), Studio Supvr., KSFD Inc., Hwy. 94 at 47, San Diego, Calif. RAPER, JOHN A. A. (A'54), Engr., GE Co., Syracuse,
- N.Y.

 RAPHAEL, MARTIN S. (S'51-A'53-M'57), Group Leader,
 Genl. Applied Science Labs., Inc., 60 Hempstead Ave.,
 Hempstead, L.I., N.Y.

- Gent. Applied Science Last, Illic., Go tempsead Act., Hempstead, L.I., N.Y.

 RAPHELSON, MORTON (M'57), Supvr., Burroughs Corp., Paoli, Pa.

 RAPP, ADOLPH K. (M'56), Project Engr., Philoc Corp., C. & Tioga Sts., Philadelphia 34, Pa.

 RAPP, EUGENE (A'56), Engrg. Technologist, Canadian Westinghouse Co., Ltd., Electronics Div., Plant 2, Hamilton, Ont., Canada.

 RAPP, RALPH L. (M'56), Electronics Engr., AC Spark Plug Div., 1925 E. Kennelswordi Pl., Milnaukae 2, Wis.

 RAPP, RAY N. (A'57), Electronics Engr., Collins Radio Co., Cedar Rapids, Iowa.

 RAPPA, JOHN (A'57), Engrg. Writer, Renner Consultants, 1530 Lombard St., Philadelphia, Pa.

 RAPPAPORT, GEORGE (A'41-M'44-SM'46-F'56), V.P., Govt. Electronics Div., Emerson Radio & Phonograph Corp., 1140 East-West Hwy., Silver Spring, Md.

- RAPPAPORT, RALPH B. (A'4B-M'55), Supvr., Electronic Data Sect., Publication Contractors, Inc., B570 W. Wash-ington Blvd., Los Angeles 4B, Calif.
- Ington Blvd., Los Angeles 4B, Calif.

 RAPPOLT, FRANK A., JR. (S'56-M'5B), Engr., The DGC Hare Co., 30 Burtis Ave., New Canaan, Comn.

 RAPPOPORT, JACOB F. (S'49-A'50-M'56), 149 Rodney St., Brooklyn 11, N.Y.

 RARITY, JAMES, JR. (S'50-A'51-M'56), Research Scinitist, Research Div., New York Univ., University Higts., Bronx 53, N.Y.

 RASCH, CHARLES F., JR. (A'57), Engrg. Assoc., Bendix Radio, Towson 4, Md.

- Radio, Towson 4, Md.

 RASCHE, DELMAR D., (A '44-M'54), Genl. Communications Instr., USAF, Keesler AFB, Miss.

 RASCHKE, RICHARD R. (A'50-M'58), Engr., GE Co., Schenectady 5, N.Y.

 RASER, EDWARD G. (M'52-SM'57), Supvg. Engr., (Radio), New Jersey State Police, River Rd., West Trenton, N.J.

 RASER, EDWARD J. (A'54), Dev. Engr., IBM, Kingston, N.Y.
- RASH, KENNETH H. (M'55), Systems Engr., Natl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthorne, Calif.
- RASHIP, MANUSH (S'56-M'5B), 560 Eagle Ave., Bronx
- RASINS, WILLIAM L. (\$'51-A'51), Application Engr., Ridgway Engrg. Inc., 6100 W. North Ave., Chicago 39,

- Riogway Engrg. Inc., 5100 W. North Ave., Chicago 39, 111.

 RASKHODDFF, NICHOLAS M. (M'57), Engrg. Designer, Naval Research Lab., Anacostia 25, D.C.

 RASLEY, DONALD R. (A'42-M'4B-SM'50), Deputy Mgr., Project Schedules & Controls, ITT Labs., 3702 E. Pontiac St., Ft. Wayne 1, Ind.

 RASMANIS, ECONS (M'58), Mgr., Device Dev., CBS-Hytron, 900 Chelmsford St., Lowell, Mass.

 RASMUSSEN, A. R. (M'52), Chief, Operations Branch, U.S. Army Radio Frequency Engro. Office, Office of the Chief Signal Officer, Pentagon Bidg., Washington 25, D.C.

 RASMUSSEN, CARL F. (A'4B-M'55), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 RASMUSSEN, CHARLES P. (M'5B), Engr., LMED, GE Co., Utica, N.Y.

- Utica, N.Y.

 RASMUSSEN, FLEMMING H. (S'57-M'57), Marine Prod.
 Engr., Sperry Gyroscope Co. of Canada, Ltd., Cote de
 Liesse Rd., Montreal, P. Q., Canada.
 RASMUSSEN, FRANN A. (S'58-M'59), Assoc. Engr.,
 Boeing Airplane Co., Seattle, Wash.
 RASMUSSEN, JOHN B. (S'57-M'59), Air Force Cambridge
 Research Center, Hanscom Field, Bedford, Mass.
 RASMUSSEN, JOHN M. (M'56), Sr. Design Engr., Convair,
 Ft. Worth, Tex.
 RASMUSSEN, KNUD (S'56-M'58), Nellikevej 16, Kolding,
 Denmark.

- Denmark.

 RASMUSSEN, ROBERT (A'5B), Radio Engr., Chesapeake & Ohio Railroad Co., Ludington, Mich.

 RASMUSSEN, RONALD M. (S'56-M'59), 3001 23 Ave., S., St., Petersburg 12, Fla.

 RASMUSSEN, SVEIN B. (A'55), Project Engr., Link Aviation, 530 University Ave., Palo Alto, Calif.

 RASMUSSEN, WALTER R. (S'56-M'5B), Research & Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. Engr., Hew Alto, Calif.
- RASO, FRANK A. (S'48-A'51-M'56), Design Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati, Ohio.
- Ohio.

 RASQUE, DONALD E. (S'55-M'56), Flight Test Engr.,
 Douglas Aircraft, 3000 Ocean Park Blvd., Santa Monica, Doug! Calif
- Calif.

 RASSIER, DONALD B. (A'52-M'5B), Chief, Field Engrg.
 Autonetics Div., No. Amer. Aviation, Downey, Calif.

 RASTOGI, RAM G. (SM'59), Radio & Elec. Engrg. Div.,
 Natl. Research Council, Ottawa, Ont., Canada.

 RASTORGOUEFF, VSEVOLOD (M'55), Tech. Librarian
 Standard Telephones & Cables, Ltd., N. Woolwich, London,
 E. 16, England.
- E. 16, England.

 RASTOVICH, MICHAEL (A'55), Chief Engr., Cascade Broad-casting Co., KEPR-TV, Pasco, Wash.

 RATAJCZAK, RICHARD A. (A'56-M'57), Electronics Engr.,

 Systems Research Dept., Cornell Aeronautical Lab., Buffalo,

 N.Y.

- Systems Research Dept., Cornell Aeronautical Lab., Buffalo, N.Y.

 RATASKI, CHESTER P. (A'45-M'47-SM'52), Group Engr., Goodyear Aircraft Corp., Akron 15, Ohio.

 RATCHFORD, LELAND M. (S'57-M'5B), 125 Markham St., Burlington, N.C.

 RATCLIFFE, CHARLES A. (S'52-A'52-M'5B), Engr., GE Co., Richland, Wash.

 RATCLIFFE, J. A. (M'29-A'32-F'53), Cavendish Labs., Cambridge Univ., Cambridge, England.

 RATCLIFFE, J. A. (M'29-A'32-F'53), Cavendish Labs., Inc., 3761 S. Hill St., Los Angeles, Calif.

 RATH, GERALD A. (S'54-M'56), Project Engr., Delco-Remy Div., GMC, 2401 Columbus Ave., Anderson, Ind.

 RATH, GUSTAVE J. (A'54), Research Psychologist, IBM, Research Center, Box 21B, Yorktown Helphts, N.Y.

 RATH, HARRY B. (A'51-M'57), Project Engr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.

 RATHBONE, DONALD E. (M'58), Engr., On leave of absence from the Univ. of Pittsburgh, Westinghouse Elec. Corp., Box 355, Pittsburgh 30, Pa.

 RATHBONE, R. RHETT (S'52-A'55), Standards Engr.,
- RATHBONE, R. RHETT (S'52-A'55), Standards Engr., Electro-Instruments, Inc., 3540 Aero Ct., San Diego 11, Calif.
- RATHBONE, WILLIAM M. (S'54-M'57), Assoc. Engr., Douglas Aircraft Co., Missiles Div., AFMTC, Patrick AFB, Fla.
- RATHBUN, EDWIN R., JR. (S'4B-A'51-M'56), Staff Engr., Cook Research Labs. Div., 6401 W. Oakton St., Morton Grove, III.

- Grove, III.

 RATHBUN, WARREN F. (M'56), Field Engr. Yewell Associates, Bridgeport, Conn.

 RATHBURN, ROGER H. (S'55-M'56), Research Engr., Colorado Research Corp., Broomfield, Colo.

 RATHE, ERIC J. (A'52-M'57), Engr., Research Labs. of the Swiss PTT. Specihergase 6, Berne, Switzerland.

 RATHJE, EDWARD (A'48-M'55), Engr., Sanders Associates, 95 Canal St., Nashua, N. H.

 RATHJEN, KEITH R. (S'55-M'5B), Research Engr., Lockheed Missiles & Space Div., Sunnyvale, Calif.

 RATHJEN, PAUL (M'5B), Engr., Aircraft Radio Corp., Boonton, N.J.

- RATHKE, JAMES E. (S'53-A'54), Project Engr., Sperry Utah Engrg. Lab., 322 W. 21 St., S., Salt Lake City,
- RATKAY, STEPHEN (S'54-A'54), 4545 Massachusetts
- RATKAY, STEPHEN 13 39-A 37,, 13 St., Gary, Ind.

 RATKEVICH, ADAM E. (A'53-M'5B), Group Engr., Electronics Div., Ryan Aeronautical Co., 5650 Kearney Mesa Rd., San Diego, Calif.

 RATLIFF, CLIFFORD D. (A'56), Project Engr., Knight Electronics Corp., 210 S. Des Plaines St., Chicago 7,
- RATLIFF, MORRIS (S'56-M'5B), Resident Field Engr., Mils System, RCA MIssile Test Project, Patrick AFB,
- Fia.

 RATLIFF, THOMAS D. (M'59), Electronics Engr., Melpar, Inc., 3000 Arlinoton Blvd., Falls Church. Va.

 RATNER, ALLAN (S'54-4'55), Univ. of Pennsylvania, Box 1227, Philadelphia, Pa.

 RATNER, MAXWELL (A'52-M'55), Staff Engr., IBM, Care Lee, Call

- San Jose, Calif.

 RATSCH, HEINZ J. (M'59), Field Engr., Western Electric Co. Winston-Salem, N.C.

 RATTE, JOSEPH P. G. (A'57), Research & Dev. Technician, Cubic Corp., 5575 Kearny Villa Rd., San Diego, Calif.

 RATTI, JOSEPH N. (S'49-A'51-M'58), Electronics Engr., Texas instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 RATTMAN, WILLIAM J. (S'54-M'156), Elec. Engr., Raytheon Mfg. Co., Bedford, Mass.

 RATTNER, SIDNEY (A'43-M'48-SM'52), Dir., Engrg., Emerson Research Labs., 1140 East-West Hwy., Silver Spring, Md.

 RATTRAY, ARTHUR I. (M'48), V.P. Industrial Sales Fore
- RATTRAY, ARTHUR I. (M'4B), V.P., Industrial Sales Engr., Star Electronic Distributors, Inc., 7736 S. Halstead St., Chicago 20, III.
- Carriago ZU, III.

 RATTS, BRUCE H. (A'36-VA'39-M'49-SM'53), TV Tech.

 Supvr., WBZ-TV, Westinghouse Broadcasting Co., Inc.,

 1170 Soldlers Field Rd., Boston, Mass.

 RATYNSKI, MILTON V. (A'44-M'47-SM'54), Chief, Genl.

 Engra. Lab., Air Force Rome Air Develooment Center, Griffiss

 AFB, N.Y.

- AFB, N.Y.
 RATZ, ALFRED G. (M'49), Chief Engr., Applied Science
 Corp. of Princeton, Box 44, Princeton, N.J.
 RATZ, HERBERT C. (S'50-A'51-M'56), Design Engr.,
 Fischer & Porter Canada, Ltd., Box 135, Toronto 15,
 Ont., Canada.

- Ont., Canada.
 RAU, ANDREW, JR. (SM'57), Mgr., Plant Services & Equipment, RCA, Harrison, N.J.
 RAU, DAVID S. (A'22-SM'45), V.P. & Chief Engr., RCA
 Communications, Inc., 66 Broad St., New York 4, N.Y.
 RAU, EARL C. (M'57), Chief Component Engr., Ratigan Electronics, Inc., 425 W. Cypress St., Glendale 4, Calif.
 RAU, FRAMK J. (S'47-A'49-M'55), Elec. Engr., Westinghouse Elec. Corp., 1844 Ardmore Blvd., Pittsburgh 21, Pa.
- house Elec. Corp., 1B44 Ardmore Blvd., Pittsburgh 21, Pa.
 Pa.
 RAU, JOHN M., JR. (M'55), Dir., Mkt. Dev., G. M.
 Giamini & Co., Inc., 91B E. Green St., Pasadena, Calif.
 RAUB, RICHARD D. (A'55), Owner, Al Radio Lab., 590B
 College Ave., Indianapolis, Ind.
 RAUCH, ALEXANDER (S'53-A'54), 51 Foster St., River
 Plaza, Red Bank, N. J.
 RAUCH, LEDON L. (M'57), Instrumentation Engr., Westinghouse Elec. Corp., 95 & Troost Sts., Kansas City, Mo.
 RAUCH, LAWRENCE L. (SM'52), Prof., Instrumentation,
 Univ. of Michigan, Ann Arbor, Mich.
 RAUCH, LLOYD R. (M'56), Sr. Project Engr., EclipsePioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 RAUCH, RICHARD M. (A'59), Dev. Engr., Globe Electronic
 Corp., 9 Highland Ave., Bala Cymwyd, Pa.
 RAUCH, STANLEY E. (SM'55), Prof. & Chmn., Dept. of
 Mathematics, Univ. of California, Goleta, Calif.
 RAUCHER, WALIER L. (S'4B-A'50-M'5B), Design Engr.,
 Hotpoint Co., 5600 W. Taylor, Chicago 44, III.
 RAUCHERK, ANDREW (S'57-M'59), Engr., RCA, Moorestown, N. J.

- RAUDENBUSH, JOHN E. (M'57), Electronic Scientist, Naval Research Lab., 4555 Overlook Ave., S.W., Washington 25,
- B.U. RAUDSEP, ILMAR G. (S'55-M'57), Sr. Engr., Martin Co., Baltimore 3, Md. RAUDSO, ROBERT (M'57), Project Engr., Lynch Carrier Systems, Inc., 695 Bryant St., San Francisco 7, Calif. RAUF, ABDUL (M'53), Asst. Engr., Pakistan Posts & Telegraphs Dept., Telecommunication Training Centre, Lyalipur, Pakistan.
- Pakistan.
 RAUFFER, WALTER M. (S'53-A'54), Field Engr., RCA, Home: 123 Washington St., Long Branch, N.J.
 RAULINS, KENNETH R. (M'5B), Mgr., Range Instrumentation Stas., RCA Missile Test Project, Box 433, Merritt Island, Fla.
- RAUPACH, RICHARD C. (S'48-A'51-M'58), Design Engr., Electronic Contractors, Inc., 2101 S.E. 6 St., Portland,

- Ore.
 RAUSA, GERALD J. (S'48-A'51-M'56), Sr. Engr., Martin Co., Baltimore 3, Md.
 RAUSCH, ROBERT H. (S'49-A'51-M'56), Engr., GE Co., Syracuse, N.Y.
 RAUSCH, WILLIAM D. (A'52-M'57), Electronics Dev. Engr., Kellogs Switchboard & Supply Co., 6000 W. 51 St., Chicago 3B, JII.
- Keilogg Switchnoard & Supply Co., GUUU W. 51 St., Chicago St., Elica Chen, Chicago Sal, Ill.

 RAUSCHER, ALBERT I. (M'56), Field Engr., Philoc Tech Rep., Div., 22 St. & Lehlgh Ave., Philadelphia 32, Pa.

 RAUSCHER, HARRY C. (A'56), Engr., Sylvania Elec. Prods., Inc., 189 B St., Needham 94, Mass.

 RAUTH, ROBERT G. (S'49-A'51-M'56), Engrg. Unit Leader, Application Lab., RCA, Harrison, N. J.

 RAVANNESI, RALPH M. (S'58-M'59), Mem. Tech. Staff, Genl. Telephone Labs., Box 17, Northlake, Ill.

 RAVEN, ROBERT S. (SM'59), Advisory Engr., Westinghouse Elec. Corp., Baltimore 3, Md.

 RAVEN, ROROFT, HEMRY A. (A'46-M'55), Instr., Santa Roda Jr. College Mendocino Ave., Santa Rosa, Calif.

 RAVI, SWAMIINATHAN (M'59), Sr. Scientific Officer, Civil & Hydraulic Engrg. Sect., Indian Institute of Science, Bangalore 12, India.

 RAVINSKY, JOHN (S'58-A-59), Technician, Rixon Elec-

- Science, Bangalore 12, India.
 RAVINSKY, JOHN (S!B-A!59), Technician, Rixon Electronic, Inc., 2414 Reedle Dr., Silver Spring, Md.
 RAVIOLA, GIULIANO (S!57-M'58), Dev. Engr., Olivetti
 Corp. of America, 10 Pine St., New Canaan, Corm.
 RAWCLIFFE, ALAN S. (A'46-SM'52), Sect. Leader, Los
 Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

- RAWDIN, EUGENE (A'55), Systems Engrg., RCA, Moores-
- RAWHOUSER, ROBERT (M'49-SM'59), Mathematician, Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Onlo.

 RAWICZ, HARRIS C. (S'56-M'59), Jr. Engr., Stavid Engrg., Inc., Route 22, Plainfield, N.J.

 RAWICZ, LEONARD (S'53-A'54), Patent Examiner, U.S.
 Patent Office, Dept. of Commerce, 14 & E St., N.W.,

 Washington, D.C.

- RAWITZ, HERBERT (S'48-A'49-M'55), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N Y RAWLE, JAMES III (S'55-A'56), USN, Castle Finn Farm, Bryn Mawr Ave. Bryn Mawr, Pa. RAWLEY, JOHN W. (A'54), Quality Control Engr., Philips Electronics Industries, Ltd., 116 Vander Hoof Ave., Toronto 17, Ont., Canada.
- 17, Ort., Canada.
 RAWLINS, ROBERT E. (SM'49), Pres. & Genl. Mgr.,
 Dymec, Inc., 275 Page Mill Rd., Palo Alto. Calif.
 RAWLINS, WILLIAM A. (M'5B), Sr. Supvg. Engr., Canadalr,
 Ltd., Montreal, P.Q., Canada.
 RAWLINSON, PAUL E. (S'54-M'58), Engr., Adams-Russell
 Co., 200 & St., Cambridge, Mass.

- RAWLINSON, PAUL E. (S'54-M'58), Engr., Adams-Russell Co., 200 6 St., Cambridge, Mass.

 RAWLS, H.F. (A'44), Asst. Engr., in Cho., Kingsville Monitoring Sta. Box 632. Kingsville Tox

 RAWLS, LUCIEN E. (S'45-A'47-M'55), Supw., Research & Dev., WSM, Inc., 301 N. 7 Ave., Nashville 3, Tenn.

 RAWLS, MARVIN L. (S'56-M'58), Electronics Engr., Mobile GEEIA Region, ZMMES, Brookley AFB, Ala

 RAWLS, OTIS B. (A'55-M'59), Leader, Test Operations Analyst, RCA Service Co., Patrick AFB, Fla.

 RAWNSLEY, JAMES A. (M'56), Project Engr., RCA Service Co., Patrick AFB, Fla.

 RAWSON, GUILLERMO (A'59), Dir., Bureau of Electronics, Dept. of Navy, Malabia 3029, Buenos Aires, Argentina.

 RAY, BILLY M. (SM'56), Sect. Supvr., Sandia Coro., Sandia Base, Albuuerque, N.M.

 RAY, CHARLES D. (M'59), Dept. of Neurosurgery, Baptist Memorial Hospital, Memphis 3, Tenn.

 RAY, GEORGE H. (S'43-A'50-M'5B), Engr., Spencer-Kennedy Labs., Inc., 1320 Soldiers Field Rd., Boston, Mass.

- MASS.

 RAY, GORDON T. (M'56), Engr., New York Telephone Co.,
 15B State St., Albany 1, N.Y.

 RAY, HENRY B. (M'4B-SM'55), V.P., Internati. Electronics
 Mfg.Co., 2nd Ave. Extended, Greenwood Acres, Annapolis,
 Md.
- RAY, HOMER A., JR. (A'45-M'50-SM'55), Project Mgr., Smith Electronics, Inc., 4501 W. Pleasant, Cleveland 34,
- Ohio.

 RAY, HOWARD K. (S'56-M'5B), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 RAY, JOHN (A'45), Project Engr., U.S. Naval Ordnance Plant, Indianapolis 1B, Ind.: Consulting Engr., 2022 Glenridge Dr., Indianapolis 1B, Ind.:

- indianapolis 1B, Ind.

 RAY, KENNETH B. (A'56), Elec. Engr., Detroit Controls
 Corp., 560 Providence Hwv. Norwood. Mass.
 RAY, KENNETH P. (M'5B), Design Engr., Microwave, GE
 Co., Mountain View Rd., Lynchburg, Va.
 RAY, PAUL R. (S'52-A'54-M'5B), Engr., Supvr., Radar
 Lab., Univ. of Miami, Coral Gables 46, Fla.
 RAY, ROBERT E. (M'57), Design Engr., Convair, Ft. Worth,
 Tex.
 RAY, ROBERT H. (M'55), Mgr., Airborne Communications
 Engr., RCA, Camden 2, N.J.
 RAY, ROBALD L. (S'55-M'57), Electronics Engr., U.S. Naval
 Ship Repair Facility, Navy No. 926, Marianna Island, Guam.
 RAY, SYLVANR R. (A'54), 911 W. Springfield Ave., Urbana,
 III.
- III.

 RAY, WARNER S. (M'5B), Head, Elec. Manuals Dept., Chrysler Corp., Missile Div., Warren, Mich.

 RAY, WILLIAM B., JR. (S'56-M'5B), Electronics Engr., Lawrence Radiation Lab., Box BOB, Livermore, Calif.

 RAYBIN, MEYER W. (M'53-SM'55), Research & Standard Group, Sr. Test Equipment Engr., Nortronics Div., Northrop Aircraft, Inc., 222 N. Prairie Ave., Hawthorne, Calif.

 RAYBORN, HANON C. (S'55-M'57), Electronics Engr., Navy Dept., Bureau of Ships, Washington 25, D. C.

 RAYBUCK, CHARLES B. (A'43-SM'52), V.P. Research & Engrg., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

- Va.

 RAYBURN, DAVID A. (A'57), Electronics Engr., ConvairAstronautics, San Diego 12, Calif.

 RAYBURN, RONALD A. (M'57), Electronics Engr., Naval
 Ordnance Lab., White Oak, Silver Soring, Md.

 RAYL, GEORGE J. (S'50-A'51-M'56), Project Engr., Gen.
 Electronics, Ithaca, N. Y.

 RAYMENT, KENNETH I. (A'30), Pres., Bowers & Barr, Ltd.,
 32 Southtown Rd., Great Yarmouth, Norfolk, England.

 RAYMER, RONALD J. (M'57), Instr., Central Tech. School,
 Toronto, Ont., Canada.

 RAYMOND, ALBERT H., JR. (M'5B), Mgr., Prod. Design,
 Prod. Engrg., IBM, Military Prods. Div., Kingston, N.Y.

 RAYMOND, CHARLES G. (A'51), Engr., Westinghouse Elec.
 Corp., Box B68, Pitsburgh, Pa.

 RAYMOND, FRANCOIS H. (SM'49), DIr., Societe d'Elec-
- RAYMOND, FRANCOIS H. (SM'49), Dir., Societe d'Elec-tronique & Automastisme, 13B Blvd. de Verdun, Courvevoie, Seine, France.
- RAYMOND, GORDON H. (A'43-M'45-SM'55), Chief Engr., Govt. Div., Gray Mfg. Co., 16 Arbor St., Hartford, Conn. RAYMOND, JOSEPH L. (A'48-M'55), Sr. Engrg. Specialist, Hoffman Electronics, Inc., 3761 S. Hill St., Los Angeles 7, Calif.
- RAYMOND, KENNYTH N. (A'57), Sale & Field Engr., McLoud & Raymond Co., 5403 E. Evans Ave., Denver 22, Colo. RAYMOND, RICHARD C. (SM'52-F'58), Mgr., Tech. Military Planning, GE Co., 735 State St., Santa Barbara, Calif. RAYMOND, RICHARD S. (S'54-M'56), Design Engr., Eastman Kodak Co., Navy Ordnance Div., 50 W. Main St., Rochester, N.Y.
- RAYMOND, ROY (S'54-A'55), Regional District Mgr., H Fidelity, Stromberg-Carlson Co., 1400 N. Goodman St. Rochester, N.Y.
- ROCHESTER, N.Y.

 RAYMOND, WARREN F. (S'55-M'58), Assoc. Engr., Westinghouse Elec. Corp., Baltimore, Md.

 RAYMOND, WILLIAM D. (A'51-M'56), Project Test Engr., Convair, Ft. Worth, Tex.

 RAYMOND, WILLIAM W. (M'57), 1463 University Ter., Ann Arbor, Mich.
- RAYNES, HERMAN D. (S'47-A'50-M'55), Design Engr., Aircraft Armaments, Inc., Cockevsville, Md.

- RAYNSFORD, CHARLES K. (A'53-M'59), Chief Engr., Vitro Lahs., 200 Pleasant Valley Way, West Orange, N.J. RAYNSFORD, ROBERT P., JR. (M'45), Methods Engr., Northern Electric Co., Ltd., 420 Lagauchetiere St., Montreal. P.O., Canada
- Montreal P.O., Canada
 RAZDUW, ADOLPH (M'49), Consulting Engr., 158 Montclar Ave Montclair, N 1
 RAZI, SYED (M'95), Sr. Electronics Engr., Link Aviation,
 inc. Box 1318, Palo Alto, Calif
 REA, DONALD E. (A'57), Electronics Engr., Convair,

inc., Box 1316, Palo Alto, Callif REA, DDNALD E. (A'57), Electronics Engr., Convair, Po-mona, Calif.

REA, JERRY K. (A'56), Search & Rescue Officer, USCG, Main Post Office, Cleveland 3, Ohio

REA, PAUL G. (S'58-M'59), Genl., Mgr., Electrosources, Inc. 201 Town & Country Village, Palo Alto, Calif.

REA, RALPH W. (A'44 M'47), Chief, Electronics Material Branch. FAA Box 1082. Oklahoma City, Okla.

REA, RICHARD C. (A'53-M'58), Engr., Crosley Div., Avco Mrn. Corp. 1325 Arlington St., Cincinnati 25, Ohio.

REA, WRERN W. (GM'57), Engr., Sylvania Elec. Prods., Inc. Waltham 54, Mass.

REA, WILLIAM P., JR. (B. '57), Research Engr., Hughes Airraft Co., Culver City, Calif.

REA, WILLIAM P., JR. (B. '57), Research Engr., Hughes Airraft Co., Culver City, Calif.

REA, WILTON T. (A'42-SM'47), Dir., Bell Tel. Labs., Murray Hill, N.J.

REACH, RDY W., JR. (A'53-M'59), Asst. Dept. Mgr., Electronic Equipment, Minneapolis Honeywell Regulator Co., 151 Needham St., Newton Highlands 61, Mass.

READ, ALFRED H. (SM'55), Telecommunications Attache, British Embassy, Washington 8, D.C.

READ, ALFRED H. (SM'55), Telecommunications Attache, British Embassy, Washington 8, D.C.

READ, EMANUEL F. (S'50-A'51-M'56), Project Engr., Collins Radio Cor., Cedar Rapids, Jowa.

READ, GEORGE R., JR. (S'55-M'57), Reliability Engr., Sandia Corn., Sandia Base, Albuquergue, N.M.

READ, LEIPER P. (S'50-A'51-M'56), Fr. Engr., Electronics Design Engr., Westrex Corp., 6001 Romaine, Hollywood 38, Calif.

READ, LEIPER P. (S'50-A'51-M'56), Fr. Engr., Electronics Design Engr., Vestrex Corp., 6001 Romaine, Hollywood 38, Calif.

READ, LEIPER P. (S'50-A'51-M'56), Fr. Engr., Electronics Design Engr., Vestrex Corp., 6001 Romaine, Hollywood 38, Calif.

READ, LEIPER P. (S'50-A'51-M'56), Fr. Engr., Electronics Design Engr., Vestrex Corp., 6001 Romaine, Hollywood 38, Calif.

READ, LEIPER P. (S'50-A'51-M'56), Sr. Engr., Electronics Dev., Link Aviation, Inc., IlliCreat, Binghamten, N.Y. READ, LYLE C. (SM'56), Cmdr., USN, Electronics Systems Evaluation Officer, U.S. Naval Research Lab., Chesapeake Beach, Md.

Beach, Mr. READ, OLIVER (A'43), Publisher, Radio & TV News, Popular Electronics and HIFI & Music Review; Ziff-Davis Publishing Co., 1 Park Ave., New York 16, N.Y. READ, RECINALD A., JR. (S'46-A'56-M'65), Engr., Regdon Corn., 939 Garfield, Dak Park, III. READ, VICTOR H. (A'41), Engr., Raytheon Mfg. Co., Wayland, Mass.

READE, RALPH B. (A'42-M'55), Mgr., Communications Div., Hughes Aircraft Co., Box 90902, Los Angeles 45, Div., Calif.

Calif.

READER, MALCOLM (S'46-A'50-M'55), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

READER, WILLIAM R. (S'52-A'53-M'59), Elec. Design Engr., British Columbia Engrg., Co., Ltd., 570

Dunsmuir St., Vancouver, B.C., Canada.

READING, JERE (S'56-M'58), Magnetics Design, Hughes Aircraft Co., Box 90902, Los Angeles 45, Calif.

REAGAN, WILLIAM E. (M'57), Sales Engr., North Electric Co., 5C1 S. Market St., Galion, Ohio.

REAGEN, EDWARD J. (M'57), Assoc. Engr., The Johns Hookins Univ., Applied Physics Lab., Silver Spring, Md.

REAGER, ALBERT M. (A'30-VA'39), Owner, Reager Radio & Electronic Service, 2706 E. Washington St., Indianapolis 1, Ind.

REAGH, DONALD M. (A'55), Technician, Canadian Broad-casing Corp., 701 Homby St., Vancouver, B.C., Canada. REAGH, WALTER L. (M'56), Instr., Radio & Electronics Research, Georgia Institute of Technology, Engrg. Experi-ment Sta. & Evening School, 225 North Ave., Atlanta, Ga.

mem 3rd. a Evening Scribor, 222 North Ave., Actlanta, 1 REAK, DONALD L. (M'75), 5r, Dev. Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz. REAL, PHILIP (A'53), Sr. Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 27, Md. REAL, RDDERICK R. (S'55-M'57), Assoc. Research Officer, Natl. Research Council, Montreal Rd., Ottawa, Ont., Canada.

REALE, EDWARD P. (A'54-M'55), Pres., Reale & Gold-man, Ltd., 1571 Eglington Ave., W., Toronto 13, Ont., Canada.

REALE, JOHN D. (S'53-A'55), Research Assoc., Syracuse Univ., Comstock Lane, Syracuse, N.Y.

REAM, CHARLES E. (M'59), Systems Engr., GE Co.,

Syracuse N.Y.

Syracuse, N.Y.

RZAM, DONALD L. (A'53), Electronics Engr., Bureau of Ships, Dent. of the Navy, Washington 25, D.C.

REAM, STANLEY M. (M'57), Chief, Engrg., Services, Western Design, Santa Barbara Airport, Goleta, Calif.

REAMER, EDWARD D. (A'52-M'57), Mgr., Eastern Operations, Navy Project, Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif.

REARDON, LAWRENCE J. (M'58), Mgr., Field Support Engrg., RCA Service Co.. Camden, N.J.

REARDON, PAUL A. (M'56), Tech. Writer, Burroughs Research Center, Paoli, Pa.

REARDON, RAYM'NDA J. (A'56), Systems Engr., Crosley

REARDON, RAYMOND A. (A'56), Systems Engr., Crosley Div., Avco Mfg. Corp., 2630 Glendale-Milford Rd., Cincinnati 15, Dhio.

REARICK, HAROLD F. (S'56-M'58), Lt. JG, USNR, Deck Watch & Div. Officer, USS Tarawa (CVS-40), FPO, New York, N.Y.

REARWIN, RICHARO H. (S'51-A'55), Staff Mem., Tech. Research Group, Inc., 2 Aerial Way, Syosset, L.I., N.Y.

N.Y.
REASER, RICHARD R. (S'51-A'53-M'58), Engr., Internati.
Electric Corp., Paramus, N.J.
REASER, ROBERT L. (SM'57), Contracts Liaison Engr.,
Military & Industrial Servicos, Just Prapulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena,

na Institute of Technology, 4800 Oak Grove Dr., Pasanena, Calif.

REASH, CLAIR W. (A'4D-M'44-SM'47), Dev. Engr., Kemet Co. Div., Union Carbide Corp., 11901 Madison Ave., Cleveland, Dhio.

REAVER, ROBERT R. (M'56), Project Engr., Bendix Corp., 116DO Sherman Way, North Hollywood, Calif.

REBACK, HERMAN R. (S'56-M'57), 1st Lt., U.S. Army, Cerps of Engrs., Ft. Belvnir, Va.

REBECK, CLAUDE S. (S'55-A'56-M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. REBENSTORFF, CLARENCE A. (M'58), 1101 19 St., Gulfport, Miss.

Gulfoort, Miss.

REBER, EARL E. (S'55-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

REBER, PAUL W. (A'54), Foreman, Test Equipment Maint., Missile & Surface Radar Dept., RCA, Moorestown, N. J.

REBESCHINI, IRVIN C. (M'56), Asst. Chief Electronics Engr., Simpson Electric Co., 5200 W. Kinzie St., Chicago 44, III.

Hay, III.

REBMAN, WILLIAM H. (S'55-M'57), Applied Science
Reo., IBM, 1933 W. Wisconsin Ave., Milwaukee, Wis.

REBNE, HAROLD K. (S'51-A'52-M'57), Dev. Engr.,

Minneapolis 13, Minn.

Minneapolis 13, Minn.

Minneapolis 1.5, Minn.
RECHNITZER, BUREN W. (A'53), Engrg. Technician,
GE Co., Schenectady, N.Y.
RECHTER, ROBERT J. (S'55-M'59), 4309 Sheridan Ave.,
Miami Beach, Fla.
RECHTIN, EBERNARDT (S'45-A'49-SM'55), Chief,
Guidance Research Div. Jet Propulsion Labs., California
Institute of Technology, 4800 Oak Grove Dr., Pasadena,

Calif.
RECORD, FRANK A. (A'40-M'55), Electronics Specialist,
Bomac Labs., Inc., Beverly, Mass.
RECORDS, JOHN K. (S'46-A'51-M'56), Mgr., Engrg.,
CE Co., Syracuse, N.Y.
RE CORR, KENNETH H. (M'58), Engr., RCA, Harrison,

N.J.
RECTOR, CHESTER V. (A'48-M'55), Project Engr., RCA
Service Co., Patrick AFB, Fla.
RECTOR, CLINTON (M'57), Exec. V.P., Natl. Engrg.
435 Washington Bldg., Washington, D.C.
RECTOR, JACK D. (A'52-M'57), Mgr., Instrument Electronics Design, Heiland Div., Minneapolis-Honeywell
Regulator Co., 52DO E. Evans St., Denver, Colo.
RECTOR, LEE V. (M'56), Operations Mgr., Madlgan Communications & Electronics Corp., 526 Mineola Ave., Carle
Place, L.I., N.Y.
RECTOR, ROBERT W. (S'49-A'51-M'55-SM'57), Sr. Engr

RECTOR, ROBERT M. (S'49-A'51-M'55-SM'57), Sr. Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif.

Calif.

RED, ARTHUR G. (M'57), Asst. Branch Head, Radar Branch, Bureau of Aeronautics, Washington 25, D.C.

REDA, MOHAMED S. (M'46), Mgr., Elchark Engrg. Office, 93 Kasr Eleini St., Cairo, Egypt.

REDCAY, P., WILSON (A'40-M'47), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.

RED, HERBERT J. (S'55-M'55), Engr., Montek Associates, Inc., 4675 S. State St., Salt Lake City 7, Utah.

REDD, TAYLOR M. (M'57), Sr. Tecn. Writer, Baldwin Lima Hamilton Corp., 111 5 Ave., New York, N.Y.

Hamilton Corp., 111 5 Ave., New York, N.Y.
REDDAN, E. DOUGLAS (M '56), Pres., Infrared Industries, Inc., 62 4 Ave., Waltham 54, Mass.
REDDEN, EDWARD T. (A'55), Patent Lawyer, 225 S. Caudina St., Anaheim, Calif.
REDDEN, MILLER S., JR. (M'50), Chief Engr., Silver Soring Lab., Geni. Electronic Labs., Inc., 8521 2nd Ave., Silver Spring, Md.
REDDICKS, JAY E. (S'52-A'53-M'58), Mgr., Tech. & Operations Support Dept., Hughes Aircraft Co., Fullerton, Calif.
REDDING, FRED W. IR. (S'49-A'51-M'57). Project

Calif.

REDDING, FRED W., JR. (S'49-A'51-M'57), Project Group Engr., No. Amer. Aviation, Los Angeles 45, Calif.

REDDING, JAMES D., JR. (S'53-A'54-M'59), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

REDDING, PAUL B. (S'52-A'53-M'59), Engr., Southwestern Bell Tel. Co., Oklahoma City, Okla.

REDENER, ROSS G. (M'56), Sr. Engr., Philco Corp., 3875 Fablan Way, Palo Alto, Calif.

REDELNER, JOHN T. (S'49-A'50-M'55), Electronics Engr., Convair, San Diego, Calif.

REDELNER, STATZ H. (A'54), Chief, Atomic Resonance Branch, U.S. Army Signal Research & Development Lah., Ft. Monmouth, N.J.

REDFIELD, DAVID D. (S'54-A'55), 1733 Daley Pd

REDFIELD, DAVID D. (S'54-A'55), 1733 Dairy Rd.,

REDFIELD, DAVID D. (5'54-A'53), 1733 Dairy Rd.,
Charlottesville, Va.
REDFIELD, SHIRLEY I. (A'50), Secy., Genl. Radio Co.,
6605 W. North Ave., Oak Park, III.
REDFORD JOHN L. (S'51-A'53), Dev. Engr., Oak Ridge
Natl. Lab., Box Y, Oak Ridge, Tem.
REDHEAD, PAUL A. (A'47-M'55-SM'57), Research Officer,
Natl. Research Council, Ottawa, Ont., Canada.
REDHEFFER, RAYMOND M. (SM'58), Assoc. Prof., Mathematics, Univ. of Califronia, Los Angeles 24, Calif.
REDIFER, JAMES L. (S'56-M'58), Engr., Alroraft
Armaments, Inc., Cockeysville, Md.
REDIKER, ROBERT H. (A'53-SM'58), Group Leader, Lincoln
Lab., MIT, Lexington 73, Mass.
REDINGTON, EDWARD D. (SM'57), Comptroller & Mngt.
Engr., USK Electronics Lab., San Diego, Calif.
REDINGTON, JOHN H. (A'35-SM'47), Project Engr.,
Measurements Div., McGraw Edison Co., Boonton,
N.J.

N.J.
REDISCH, MURRAY (S'56-M'57), Elec. Engr., Bogart
Mfg. Corp., 315 Selgel St., Brooklyn, N.Y.
REDLICH, HERBERT S. (S'56-M'56), Research Engr.,
Autonetics Div., No. Amer. Aviation, Downey, Callf.
REDLIEN, HENRY W., JR. (A'49-M'55), Sr. Dev. Engr.,
Wheeler Labs., Box 561, Smithtown, N.Y.
REDLINGSHAFER, RAYMOND A. (A'57), Partner, McDowellRedlingshafer Sales Co., 1103 E. Armour Blvd., Kansas
City. Mo.

City, Mo.

City, Mo.

REDMAN, DONALD A. (S'53-M'56), Field Service Engr.,
GE Co., Syracuse, N.Y.

REDMAN, PEARL J. (S'56-A'57), Instrumentation Research
& Dev. Technician, Convair, Ft. Worth, Tex.

REDMOND, GEORGE W. (A'54), Jr. Engr., Canadian Marconi
Co., 2442 Trenton Ave., Montreal 12, P. Q., Canada

REDMOND, JAMES G. (M'56), 8704 3rd Ave., Inglewood 4, Calif

REDMOND, JOHN F. (A'43-M'55), Sect. Head, Electronics Quality Control Dept., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

Massition No., Actor L.S., Actor L.S., Actor L.S., Actor L.S., Raytheon Mfg. Co., Burlington, Mass. REDMOND, JOSEPH J. (M'47-SM'50), Electronics Scientist, Naval Ordnance Lab., Silver Spring, Md.

REDOVIAN, MICHAEL (S'47-A'53-M'57), Field Engr., Holliday Hathaway Co., Inc., 390 Plandome Rd., Manhasset, L.I., N.Y.

REDPATH, DONALD C. (S'49-A'51-M'56), Head, Computer Research Sect., Avco Research & Advanced Dev. Div., 20 S. Union St., St., Lawrence, Mass. REDSTONE, CLARENCE W. (M'54), Tech. Dir., USN, Inspector of Naval Materiel, 207 W. 24 St., New York 11, N.Y.

N.Y.

REDWINE, CHARLES H. (S'56-M'57), Project Engr., USAF, Griffiss AFB, N.Y.

REDWOOD, RICHARD C. JR., (A'52), Project Engr., Allen
B. DuMont Labs., Inc., 11800 W. Ölympic Blvd., Los

Angeles 64, Calif.

REE_ JOSEPH (M¹58), Sr. Engr., Philoc Corp., G. & I. Div., 4700 Wissahlckon Ave., Philadelphia 15, Pa.

RECCE, C. JEH-, JR. (S¹56-M¹58), Elec: Engr., Champion Paper & Fibre Co., Canton, N.C.

RECCE, DONALD L. (A¹58), Electronics Engr., Avco Research & Advance Development Div., 201 Lowell St., Wilmington, Mass.

PEECE | JAMES D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Taxon, Peece | James D. (A¹57), Dead Appailed Fags., Peece | James D. (A¹57),

REECE, JAMES O. (M'57), Prod. Appraisal Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex. REECE, OWENA. (A'53-M'58), 8154 N. 1st Ave.,

Phoenix, Ariz.

REED, ALBERT C. (A'52-M'57), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.

Calif.

REED, BRUCE S. (S'47-A'49-M'55), Engr., Texas Instruments, Inc., 6D00 Lemmon Ave., Dallas, Tex.

REED, DALE R. (S'56-M'58), 637 Marine, Boulder, Colo.

REED, DANIEL M. (M'57), Engr., Bendix Aviation Corp.,

95 & Troost, Kansas City, Mo.

REED, DANIEL S. (S'50-A'51-SM'57), Mgr., Contracts

Administration, Packard Bell Electronics Corp., 12333 W.

Olympic Blvd., Los Angeles 64, Calif.

REED, DAVID S. (S'57-M'59), Elec. Engr., RCA, Moores-

town, N.J.

REED, DON L. (S'48-A'51-M'56), Servomechanism Engr.,
The Emerson Electric Mfg. Co., 8100 W. Florissant Ave.,
St. Louis 21, Mo.

REED, DONALD E. (S'46-A'49-M'53), Sr. Erigr., Allnpex Corp., 934 Charter St., Redwood City, Calif.

REED, EDWIN A., J.R. (S'57-M'59), Engr., Oak Ridge
Natl. Lab., Oak Ridge, Tenn.

REED, ELDO F. (M'57), Group Engr., Martin Co., Orlando,
Fla.

Fila.

REED, EUGENE D. (A'48-M'55), Mem. Tech. Staff, Bell

Tel. Laus., Murray Hill, N.J.

REED, FREDERICK C., JR. (A'45-M'55), Supvg. Engr.,

New York Telephone Co., 101 Willoughby St., Brooklyn 1,

N.Y.

N.Y.

REED, FREDERICK F. (S'56-M'58), Electronics Engr.,
U.S. Army Signal Research & Development Labs., Ft.

Mommouth, N.J.

REED, GEORGE W. (A'53), Chmm., School of Engrg., Clarkson College of Technology, Potsdam, N.Y.

REED, GILBERT G. (A'50), Field Engr., RCA, Camden,
N.J.

son College of Technology, Potsdam, N.Y.
REED, GILBERT G. (A'50), Field Engr., RCA, Camden,
N.J.
REED, HAROLD Z. (A'46-M'53), Electronic Specialist,
Diamond Ordnance Fuze Labs., Washington 25, D.C.
REED, HARRY J., JR. (S'42-A'45-SM'52), Head, Computer Engro. Depts., Genl. Presision Lab., Inc., Pleasaniville, N.Y.
REED, HENRY R. (SM'53), Prof., Elec. Engrg., Univ.
of Maryland, College Park, Md.
REED, JARED F., JR. (A'54-M'55), Dept. Chief, Western
Electric Co., 22D Church St., New York 13, N.Y.
REED, JOHN (A'48-SM'53), Sr. Engr., Raytheon Mfg.
Co., Wayland, Mass.
REED, JOHN (CA'47-M'55), Project Engr., Santa Barbara
Research Center, Goleta, Calif.
REED, JOHN E. (S'54-M'57), Microwave Systems Engr.,
Collins Radio Co., Dallas, Tex.
REED, JOHN M. (S'56-M'57), Asst. Sales Engr., Westinghouse Elec. Corn., 410 Bush St., San Francisco, Calif.
REED, JOSEPH (SM'51), Engrg. Group Leader, Genl. Precision Labs., Inc., Pleasantville, N.Y.
REED, MYRIL B. (A'41-SM'48), Prof., Elec. Engrg. Dept.,
Michigan State Univ., East Lansing, Mich.
REED, DSCAR W. B., JR. (S'39-A'41-SM'47), Sr.
Radio Engr., Jansky & Bailey, Inc., Broadcasting Telecasting Bildg., Washington 6, D.C.
REED, PAUL J. (S'53-M'56), Instrumentation Engr., McDonnell Aircraft Corp., St. Louis, Mo.
REED, PINCKNEY B. (A'25-M'45), V.P., RCA, 1625 'K'
St., N.W., Washington 6, D.C.
REED, RICHARD H. (S'48-A'50-M'55), Project Mgr.,
Dept. Head, Hughes Aircraft Co., Fullerton, Calif.

REED, RANDALL C. (M'51-5M'57), Electronics Engr., Air Materiel Command Liaison Office, Vandenberg AFB, Cailf.

REED, RICHARD H. (S'48-A'50-M'55), Project Mgr., Dept. Head, Hughes Aircraft Co., Fullerton, Calif.

REED, RICHARD V. (S'58-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

REED, ROBERT C. (A'55), Staff Mem., Aeronutronic Systems, Div., Raytheon Mfg. Co., Bedford, Mass.

REED, ROBERT D. (M'52), Reliability Mgr., Missile Systems Div., Raytheon Mfg. Co., Bedford, Mass.

REED, ROBERT E. (A'54-M'59), Mgr., Specifications & Project Engrg., RCA, New Holland Ave., Lancaster, Pa.

REED, ROBERT I. (M'46-SM'50), Application Engrg., Industrial Tubes, Ce Co., Schenectady, N.Y.

REED, ROGER R. (M'59), Staff Engrg. Mem., Raytheon Mfg. Co., Wayland, Mass.

REED, ROLAND D. (A'43-SM'47), Staff Asst., New Jersey Bell Tel. Co., 149D Prospect St., Trenton, N.J.

REED, RONALD A. (M'57), Electronics Engr., Packard-Bell Electronics Corp., West Los Angeles 64, Calif.

REED, SHERMAN C. (S'54-M'58), Bell Tel. Labs., Whippany, N.J.

REED, RSHERMAN C. (S'54-M'58), Bell Tel. Labs., Whippany, N.J.

REED, STANLEY F. (M'50), Pres., Reed Research, Inc., 1048 Potomac St., N.W., Washington 7, D.C.

REED, STANLEY F. (M'59), Service Bureau Corp., 635 Madison Ave., New York 22, N.Y.

REED, STANLEY I. (S'50-A'50-M'56), Equipment Design Engr., RCA, Harrison, N.J.

REED, THOMAS J. (S'58-M'59), Aeronautic Research Engr., Natl. Aeronautics & Space Administration, 2100 Brookpark Rd., Cleveland 35, Ohio.

REED, THOMAS V. (M'56), Research Engr., No. Amer. Avlation, 430D E. 5 Ave., Columbus, Ohio.

- REED, WILLIAM D. (A'3B-VA'39-M'55), Scientific Exec. Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston, Mass.
 REEDY, JACK F. (A'48-M'55), Group Instruminstration Design Engr., Douglas Aircraft Co., Inc., Santa Monica,
- Calif.
- Boston, Mass.
 REEDY, JACK F. (A'48-M'55), Group InstrumInstration Design Engr., Douglas Aircraft Co., Inc., Santa Monica, Calif.
 REED, PAUL H. (S'35-A'39-SM'55), Pres., Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif. REEL, GWYNN M. (M'55), Design Engr., Aircraft Armaments, Inc., Box 126, Cockeysville, Md.
 REEL, LEAND S. (S'53-A'55), Sr. Research Engr., Electronics Div., Ryan Aeronautical Co., 5650 Kearney Mesa Rd., San Diego 12, Calif.
 REEL, W. RAMON (A'53-M'5B), Sr. Electronics Engr., Martin Co., Orlando, Fla.
 REEM, GLEN M. II (M'57), Microwave Engr., Raytheon Mfg. Co., Bedford, Mass.
 REENS, LOUIS H. (S'55-M'56), Dev. Engr., CGS Labs., 391 Ludiow St., Stamford, Conn.
 REENSTRA, WILLARD A. (S'47-A'49-M'55), Engr., A'8T Co., 195 Broadway, New York 7, N.Y.
 REES, BURT A. (A'33-M'58), Sr. Engr., Electronics, Convair, San Diego, Calif.
 REES, CARA, WILLARD A. (S'47-A'49-M'55), Engr., A'8T Co., 195 Broadway, New York 7, N.Y.
 REES, BURT A. (A'33-M'58), Sr. Engr., Electronics, Convair, San Diego, Calif.
 REES, CARNON C. (A'47), Engr., Lof Glass Fibers Co., Waterville, Ohio.
 REES, WALTER L. (S'54-M'56), Engr., Motorola, Inc., 4554 W. Augusta Blvd., Chicago, III.
 REESE, JAMES D. (S'47-M'58), 2115 Gold Ave., S.E., Albuquerque, N.M.
 REESE, JAMES D. (S'57-M'58), 2115 Gold Ave., S.E., Albuquerque, N.M.
 REESE, JAMES D. (S'197-M'58), 2115 Gold Ave., S.E., Albuquerque, N.M.
 REESE, JAY R. (S'49-S'50-M'55), Mgr., Diode & Rectifier Dept., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 REESE, JAY R. (S'49-S'50-M'55), Supvr., Standards & Components, Avionics Div., 8ell Aircraft Corp., Box 1, 8uffalo S, N.Y.
 REESE, MORRIS T. (M'57), Sr. Engr., Alumalytic Capacitors, GE Co., Immo, S.C.
 REESE, MORRIS T. (M'57), Sr. Engr., Alumalytic Capacitors, GE Co., Immo, S.C.
 REESE, DONALD W. (A'41-A'44-A'44), Elec. Engr., John E. Frask Co., 3580 N. Elston, Chicago, III.
 REESE, DORRIS T. (M'57), Sr. Engr., Alumalytic Capacitors, GE Co., Immo, S.C.

- REEVES, JAMES J. (A'40-M'52-SM'57), Dir., TV Dev., Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif.
- Call.
 REEVES, JOHN F. (A'47-M'55), Dept. Head, Dev. Engrg.,
 Vitro Labs., 200 Pleasant Valley Way, West Orange, N.J.
 REEVES, JOHN M. (M'50), Chief Engr., Federal Broadcasting
 Corp. of Rhodesia & Myasaland, Box 8008, Causeway, Salisbury, Southern Rhodesia.

- bury, Southern Rhodesia.

 REEVES, JOHN T. (S'52-A'52-M'58), Sr. Electronics
 Engr., Convair, Pomona, Calif.

 REEVES, RENE (S'50-A'51-M'58), Electronics Engr.,
 Canadian Marconi Co., 2442 Trenton Ave., Montreal,
 P.Q., Canada.

 REEVES, RONALD (SM'55), Chief Engr., Electric & Musical
 Industries Electronics, Ltd., Felthani, Middx., England.

 REEVES, THOMAS C. (M'57), Administrator of Value, Engrg.
 & Reliability, RCA Surface Communications Dept., Canden 2,
 N.J.
- & Reliability, RCA Surface Communications Dept., Camden 2, N. J.

 REEVES, TIM M. (A'52-M'56), Owner, Reeves Radio Supply, 720 N. Stanton St., El Paso, Tex.

 REEVES, WILLIAM B. (S'56-M'58), Ensign, USN. Home: 108 Church Ave., Islip, L. I., N.Y.

 REGAL, WINFRED J. (A'57), Research Engr., Hughes Alrcard Co., Culver City, Calif.

 REGAN, EDMUND D. (A'44-A'48-M'55), Sr. Engr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif.

 REGAN, EDMUND D. (A'44-A'48-M'55), Sr. Engr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif.

 REGAN, HARRY T. (S'48-A'51-M'58), Electronics Engr., New York Naval Shipyard, Brooklyn 1, N.Y.

 REGAN, HARRY T. (S'48-A'51-M'58), Sr. Engr., Philoc Corp., 470 O Wissahickon Ave., Philadelphia 44, Pa.

 REGAN, WILLIAM T. (A'59), Mgr., Quality Control, Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 REGARDH, CARL-GUSTAF B. (A'56), Embassy of Sweden, 2247 'R' St., N.W., Washington 8, D.C.

 REGENOS, KENNETH M. (A'54), Sr. Engr., Sylvania Elec. Prods., Inc., 80x 205, Mountain View. Calif.

 REGGIA, FRANK (A'55-SM'59), Electronics Scientist, Diamond Ordnance Fuze Lab., Washington 25, D.C.

 REGIER, FRANK A (S'57-M'58), Instr., American Univ. of Belrut, Beinut, Lebanon.

 REGIS, LAWRENCE J. (A'56-M'58), Electronics Circuit Design Engr., 1TT Federal Div., 3702 E. Pontiac St., Ft. Wayne, Ind.

 REGIS, ROBERT (M'555-SM'59), Suppy, Engr., Hazeltine Research Com. Little Neet 62 J. L. N.Y.

- REGIS, ROBERT (M'55-SM'59), Supvy. Engr., Hazeltine Re-search Corp., Little Neck 62, L.I., N.Y. REGIS, ROBERT J. (A'47-M'55), Sr. Project Engr., AC Spark Plug Div., 7929 S. Howell Ave., South Milwaukee 2, Wis.

- 2, Wis.

 REGISTER, CHARLES L. (SM'59), Mrg., Ballistic Missile Div., Burroughs Corn., Paoli, Pa.

 REGNIER, LUCIEN A. (A'49-M'55), Electronics Engr., USAF, Wright-Patterson AFB, Ohio.

 REGNIER, NORMAN J. (A'47-M'57), Div. Mgr., Hoffman Electronics Corn., 3761 S. Hill St., Los Angeles, Calif.

 REGNIER, RAYMOND C. (A'52), Dev. Engr., GE Electronic Labs., Inc., 8521 2nd Ave., Silver Spring, Md.

 REGNIER, JEAN-PAUL (A'55), Defense Research Scientific Officer, Canadian Armament Research & Development Est., Valcartier, P. Q., Canada.

 REGUEIRO, WILLIAMR (S'52-A'53), Dev. Engr., Kirk Engr., Co., 1776 S. Robertson Blvd., Los Angeles, Calif.

 REGUERA, JUAN J. (A'46), Nickel Processing Corp., Nicaro, Oriente, Cuba.

- REGULINSKI, THADDEUS L. (M¹56), Asst. Prof., Elec. Engr., Air Force Institute of Technology, Wright-Patterson AFB, Ohio.
- REH, JOHN J. (S'57-M'58), Elec. Engr., Chrysler Defense Engr., 7000 E. 11 Mile Rd., Center Line, Mich. REHBEHN, JOHN E. (M'59), 24 Lantern Rd., Hicksville, L.I.,
- N.Y.
 REHBEIN, NORMAN W. (A'54), Maj, USAF, Ballistic Missile
 Div., Research & Dev. Comd., Inglewood, Calif.
 REHBERG, CHARLES F. (S'40-A'44-M'55), Prof., Elec.
 Engro., New York Univ., New York 53, N.Y.
 REHBERG, JESSE C. (A'47-M'54), Staff Mem. Sandia Corp.,
 Sandia Base, Albuquerque, N.M.
 REHER, ROBERT R. (A'56), Engrg. Asst., GE Co., Lockland
 Hwy., Evendale, Ohio.
 REHFELD, MAX J. (M'59), Assoc. Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.
 REHLER, KENNETH M. (A'47-M'55), Mgr., Data Processing, Electronic Control Systems, 2231 S. Barrington Ave.,
 Los Angeles 64, Calif.
 REHM. MADISON P. (M'53), Mgr., Programs & Radio-

- REHM, MADISON P. (M'53), Mgr., Programs & Radio-photo, RCA Communications, Inc., 66 Broad St., New York 4, N.Y.
- REHM, WENDELL L. (M'46), Dept. Dir., Avionics Div., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- Mommouth, N.J.,
 REHMANN, WILLIAM H., JR. (S'55-M'57), Engr., Instrumentation Design, Ge Co., Cincinnati 15, Ohio.
 REHRIG, EUGENE S. (A'51-M'57), Applications Engr.,
 Labs. for Electronics, 75 Pitts St., Boston, Mass.
 REHWINKEL, JENNINOS A., JR. (S'55-M'57), Engr.,
 RCA Service Co., Patrick AFB, Fla.
- REHWOLDT, THOMAS V. (S'56-M'57), Design Engr., Chrysler Missile Div., 16 Mile Rd. & Van Dyke, Detroit, Mich.

- Mich.
 REIBERT, FRED A. (S'48-A'51-M'56), Elec. Engr.,
 GE Co., Syracuse, N.Y.
 REICH, ALFRED L. (A'50-M'55-SM'58), Supvr., Electronic Design Sect., 8allIstic Missile Div., Burroughs
 Research Center, Paoli, Pa.
 REICH, BERNARD (M'57), Chief, Circuits Functions Branch,
 U.S. Army Signal Research & Development Labs., Ft.
 Mommouth, N.J.
 REICH, EUGENE A. (S'54-A'55-M'56), Sr. Electronics
 Engr., Cook Electric Co., 2700 N. Southport Ave.,
 Chicago. Illectric Co., 2700 N. Southport Ave.,
- Engr., Cook Chicago, III.
- REICH, HERBERT J. (A'26-M'41-SM'43-F'49), Prof., Elec. Engrg., Yale Univ., 10 Hillhouse Ave., New Haven, Conn.
- REICH, JERALD E. (S'55-M'56), Electronics Design Engr., Marquardt Aircraft Co., 16555 Saticoy St., Van Nuys, Calif.

- Calif.

 REICH, PHILIP J. (A'44-M'50), Elec. Engr., Automatic Mfg. Div., Genl. Instrument Corp., 65 Gouverneur St., Newark 4, N.J.

 REICH, ROBERT F. (M'58), 4191 Leimert Blvd., Los Angeles, Calif.

 REICH, STANLEY M. (A'52-M'59), Elec. Engr., W.L., Maxson Corp., 460 W. 34 St., New York, N.Y.

 REICHARD, HARRY S. (S'55-M'58), Electronics Engr., ARDC, USAF, 220 Church St., New York, N.Y.

 REICHARD, ROBERT W. (S'50-M'56), Sr. Engr., Computer Control Co., Inc., 225 Old Connecticut Path, Framingham, Mass.
- REICHARD, WILLIAM C. (A'34-SM'57), GD., Netcong,
- N.J.
 REICHART, ELWOOD (M'55), Dev. Engr., Motorola,
 Inc., 1450 N. Cicero, Chicago, III.
 REICHE, HANS (A'42-M'46-SM'55), Chief, Components
 Sect., Army Development Est., Electronic & Electric Div.,
 Ottawa, Ont., Canada.
- REICHE, HANS (A'42-M'46-SM'55), Unier, Components Sect., Army Development Est., Electronic & Electric Div., Ottawa, Ont., Canada.

 REICHE, LUDWIG P. (S'44-A'46-M'55), Sr. Research Engr., Stanford Research Institute, Menio Park, Calif. REICHENBACH, HAROLD F. (S'55-M'56), Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif. REICHENBACH, RALPH K. (A'50-M'55), Quality Assurance Dir., Rauland Corp., 4245 N. Knox Ave., Chicago 41, III. REICHENTHAL, ALFRED (A'50-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif. REICHER, MILTON D. (S'49-A'50-M'56), Dev. Engr., ITT Labs., Nutley 10, N. J.

 REICHER, DONALD G. (S'49-A'51-M'55), Electronics Engr., Tech. Prods. Div., Packard Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles, Calif. REICHERT, KENNETH R., JR. (A'54-M'57), Sr. Prod. Engr., Sperry Electronic Tube Div., Gainesville, Fla. REICHERT, MILLIAM G., JR. (S'49-A'50-M'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J. REICHES, SOL L. (SM'57), Pres. & Chief Engr., Park Prods. Co., Cleveland, Ohio.

 REICHFIELD, SIDNEY (S'52-A'54-M'59), Dev. Engr., American Bosch-Arma Corp., Carden City, L.I., N.Y. REICHLE, WINFRIED E. (A'38-SM'46), Dir., MIlitary Systems Dev., Bell Tel. Labs., Whippany, N. J. REICHER, ALBERT J. (S'56-M'57), Engr., Raytheon Mfg. Co., Bedford, Mass.

 REICKERT, ERICK A. (S'57-M'59), Prod. Engr., Marine Div., Electro-Voice, Inc., Buchanan, Mich.

 REICKERT, ERICK A. (S'57-M'59), Prod. Engr., Marine Div., Electro-Voice, Inc., Buchanan, Mich.

 REICHERT, AEBERT D. (R'58), Project Engr., Sinclair Research Labs., Inc., Box 3006, Whittler Sta., Tulsa, Okla.

- search Labs., inc., box 3006, whitter Sta., fulsa, Okla.

 REID, ALTON C. (S'56-M'59), Research Geophysicist, Humble Oil & Refining Co., 80x 2180, Houston, Tex.

 REID, CARL R. (SM'54), Engrg. Specialist, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 REID, CHARLES T. (M'58), Dir., Research & Dev., Northroo Institute of Technology, 1155 W. Arbor Vitae St., Inglewood 1, Calif.

 REID, DON W. (S'56-M'58), Engr., Litton Industries, 2211 W. N. Temple, Salt Lake City, Utah.

 REID, DONALD G. (A'32-VA'39-M'55), Asst. Dir., Electronics, British Joint Services Mission, 1800 °K, "N.W., Washington, D.C.

 REID, ERIC (S'56-M'59), Engr., Andrew Alford, Consulting Engrs., 299 Atlantic Ave., Boston, Mass.

 REID, GEORGE M., JR. (M'57), Engr., IBM, Kingston, N.Y.

- REID, HARRY, JR. (S'54-M'57), Elec. Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala.

- REID, HENRY L. (A'23-VA'39), Owner, Henry L., Reid Co., 3178-C Peachtree Rd., N.E., Atlanta, Ga. REID, HOWARD J. (S'51-A'52-M'58), Engr., Beckman Systems Div., 325 N. Muller Ave., Anahelm, Calif. REID, IRL C. (A'20-VA'39) (L), Engr-in-Chg., RCA Communications, Inc., Point Reyes Sta., Marin County, Calif.
- REID, J. RAYMOND (S'52-A'55), Engr., Bell Tel. Labs., Lexington Rd., Winston-Salem, N.C. REID, JAMES F. (M'58), Naval Aviator, USN, VP-42, FPO, San Francisco, Calif.
- REID, JAMES G. (MIS7), Field Engr., RCA Service Co., Camden, N.J.
- KEID, JAMES G. (M'57), Field Engr., RCA Service Co., Camden, N.J.

 REID, JAMES R. (S'56-M'57), Electronics Engr., Raytheon Mig. Co., Box 636, Santa Barbara, Calif.

 REID, JOHN D. (A'41-M'44-SM'46-F'49), Exec. V.P.,

 A.R. &T. Electronics, Inc., Box 627, Little Rock, Ark.

 REID, JOHN J. (S'54-M'57), Assoc. Engr., Radar Dev.

 Project, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 REID, JOHN M. (S'48-A'51-M'56), Assoc., Moore School

 of Elec. Engrg., Univ. of Pennsylvania, Philadeibhia 4, Pa.

 REID, JOHN N. (S'52-A'54), Engr., "B.," Canadair, Ltd.,

 Montreal, P.Q., Canada.

 REID, JOSEPH F. (A'57), Electronics Technician, IBM,

 Research, Pouphkeepsie, N.Y.

 REID, JOSEPH G. J.R. (A'37-M'50-SM'50), Head, Earth

- RESPARCE TO THE CONTROL OF THE CONTR
- P.Q., Canada.
 REID, PLEZ Z., JR. (M'55), Asst. Communications &
 Relay Engr., New Orleans Public Service, Inc., 1600
 S. Peters, New Orleans 13, La.
 REID, RICHARD J. (S'54-M'56), Instr., Elec. Engrg. Dept.,
 Michigan State Univ., East Lansing, Mich.
- REID, THOMAS D. (A¹48-M¹56), Electronics Technician, Eastern Airlines, Inc., Miami Internati. Airport, Miami, Fla.

- Fla.

 REID, WILLIAM (A'50), Sales Engr., S. Wimplf Associates, 257 Mamaroneck Ave., Mamaroneck, N.Y.

 REID, WILLIAM T. (M'58), Regional Sales Engr., Lansdale Tube Co., Lansdale, Pa.

 REIDEL, ROBERT L. (S'53-A'54), Project Engr., Sperry Utah Engr., Lab., 322 N. 21 W., Salt Lake City, Utah.

 REIDY, MARY, G. (S'57-A'57), Tech. Asst., Northern Electric Co., Ltd., Montreal, P.Q., Canada.

 REIERSON, VERNON L. (A'55-M'56), Project Dir., USAF, B-5B Test Force, Carswell AFB, Tex.

 REIF, PAUL A. (S'55-M'59), 7 Getrude Ct., East Palo Alto, Calif.

 REIFEL, HARRY (A'50-M'55), Chief Engr., Stevens-
- Altó, Calif.

 REIFEL, HARRY (A'50-M'55), Chief Engr., StevensArnold, Inc., 11 Elkins St., South Boston, Mass.

 PEIFF, GLENN A. (S'52-A'54), Lt. Cmdr., USN, Avionics
 Officer, Staff Cmdr., Fleet Air Whildbey, Oak Harbor, Wash.

 REIFFEN, BARNEY (A'53-M'58), Staff Mem., MIT
 Lincoln, Lab., Lexington 73, Mass.

 REIGER, SIEGFRIED H. (SM'57), Asst. Chief, Communications Lab., Electronics Research Directorate, Air Force
 Cambridge Research Center, Bedford, Mass.

- REIHER, DONALD C. (M'59), Sect. Head, Filter Design Engr., Judio Development Co., 2833 13 Ave., Minneapolis 7, Minn.
- 7, Minn.
 REIHER, EUGENE J. (S'55-M'59), 1045 Earl St.,
 Norfolk 3, Va.
 REIHER, HAROLD F. (S'50-A'52-M'57), Research Engr.,
 Geiger & Hamme Labs., Box 512, Ann Arbor, Mich.
 REIHING, JOHN V., JR. (S'52-A'53-M'58), Assoc. Scientist,
 Westinghouse Atomic Power Div., Bettls Plant, Pittsburgh
 30, Pa.
- 30, Pa.
 REILING, GEORGE E. (S'41-A'42-M'55), District Sales
 Mor., RCA, 1154 Merchandise Mart, Chicago 54, III.
 REILING, GILBERT H. (M'59), Physicist, GE Research Lab.,
 Box 1088, Schenectady, N.Y.
 REILING, PAUL A. (A'36-VA'39), Research Engr., Bell Tel.
 Labs., Murray Hill, N.J.
 REILLEY, ALVIN G., JR. (S'57-M'59), Asst. Engr., Ford
 Instrument Co., 3300 Northern Blvd., Long Island City,
 N.Y.

- REILLY, EDWARD J. (A'54), Electronics Technician, Brush Electronics Div., Clevite Corp., Cleveland, Ohio. REILLY, JOHN A. (A'44), Asst. Area Electronics Tech-nician, U. S. Weather Bureau, 5420 N.E. Marine Dr., Portland 13, Ore.
- REILLY, LOUIS W. (A'54-M'58), 203 Carlton Rd., Syracuse 4.N.Y.
- REILLY, MICHAEL (S'54-A'55), Systems Engr., Consolidated Systems Corp., 1500 S. Shamrock, Monrovia, Calif.
- REILLY, NORMAN 8. (S'57-M'59), Engr., Haskins Labs., 305 E. 43 St., New York, N.Y.
 REILLY, PHILIP E. (M'57), Design Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.
 REILLY, ROBERT A. (A'55), Engr., ITT Labs., Nutley 10, N.J.
- REILLY, ROYAL R. (S'48-A'49-M'55), Electronics Re-search Engr., Lockheed Aircraft Corp., Burbank. Calif. REILLY, THOMAS J. (M'57), Engr., IBM, Kingston, N.Y.
- N.Y.
 REILLY, VINCENT E. (M'47), Staff Engr., Office of Research
 Operations, U.S. Army Signal Research & Development Labs.,
 Ft. Monmouth, N.J.
- REIMERTZ, RAYMOND R. (S'55-M'57), Design Engr., RCA Victor Co., 1001 Lenoir St., Montreal, P.Q., Canada. REIMER, RICHARD N. (S'46-A'46-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. REIMERR, ROBERT N. (A'55), Engr. Group Leader, No. Amer. Aviation, Downey, Calif. REIMERTZ, RAYMOND R. (S'55-M'57), Design Engr., RCA, Canden 2, N.J.
 REIN, CHESTER A. (A'56), Engr., Sperry Gyroscope Co., Great Neek, L.I., NY, REIN, JOSEPH J., JR. (M'58), 419 N. Madison St., Clinton, III.

- Clinton, III.

 REINARTZ, JOHN L. (M'32-SM'43-F'58), Capt. USNR, Retired, Engrg., Titel-McCullough, Inc., 301 Industrial Way, San Carlos, Calif.

 REINBOLT, EARL J. (A'52-M'58), Physicist, Redstone Arsenal, Ala.
- REINDEL, JOHN (S'58-M'59), Engr., Sylvania Electronic Defense Lab., Box 1296, Mountain View, Calif.

- 345 -REI - REU

- REINECKE, BRUCE'E. (SM'54), Components Engr., Hughes Aircraft Co., Box 5555, Tucson, Ariz. REINECKE, HENRY, JR. (S'50-4'51-M'56), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

- MII, Lincoln Lab., Lexington 73, Mass.
 REINEKE, ROBERT C. (A'54), Sect. Supvr., Sanida Corp.,
 Sandia Base, Albuquerque, N.M.
 REINER, CARL (A'52), Asst. Chief Engr., WDAU-TV,
 Scranton Broadcasters, Inc., 1000 Wyoming Ave., Scranton,
 Pa.
- Pa. REINER, DONALD G. (\$'55-M'57), Engr., Ford Instru-ment Co., 30-10 41 Ave., Long Island City 1, N.Y. REINER, JULIUS (\$'50-A'53-M'57), Consulting Engr., GE Co., Utica, N.Y.
- REINER, MILTON (M'50), Pres., Radio City Products Co., Inc., Reiner Electronics Co., Inc., Centre & Glendale Sts. Easton, Pa.
- Easton, Pa.

 REINER, OSCAR, JR. (A'56), Sr. Electronics Technician,
 Dest. of Nuclear Medicine, UCLA, 10875 LeConte Ave.,
 Los Angeles 24, Calif.
 REINER, ROBERT L. (S'53-A'54), Project Engr., Chatham
 Electronics, 630 W. Mt. Pleasant Ave., Livingston, N.J.
 REINER, STUART (S'46-A'4B-M'55), Pres., Teca Corp.,
 BO Main St., White Plains, N.Y.
 REINER, WILLIAM D. (M'57), Test Equipment Engr., 1BM,
 Poughkeepsie, N.Y.
- REINERT, DONALD O. (A'53-M'5B), Mgr., Mobile & Microwave Service Sales, RCA, Camden 8, N.J.
- REINGOLD, IRVING (SM'5B), Chief, Switching Devices Sect., Microtubes Branch, Evans Signal Lab., Belmar N.J.
- REINHARD, CLYDE J. (S'56-M'58), Research & Dev. Engr., Beckman Systems Div., 325 N. Muller Ave., Anaheim, Calif.
- REINHARD, ERWIN A. (S'56-M'56), Instr., Univ. of Texas, Austin, Tex.
 REINHARD, VALENTINE (S'57-M'59), Industrial Mgr., Electronics Engr., Bth Naval District, Home: 7720
 Jeannette Pl., New Orleans 1B, La.
- Jeannette Pl., New Orleans 1B, La.
 REINHARDT, GEORGE (S'53-A'54), Project Mgr., GB Electronics Corp., Hook Creek Blvd., Valley Stream. L.I.. N.Y.
 REINHARDT, NICHOLAS J. (M'56), Elec. Engr., New York
 Fire Dept., Municipal Bldg., Brooklyn, N.Y.
 REINHARDT, PAUL M. (S'49-A'51-M'51), Supvr., Tech.
 Publications, Sylvania Reconnalssance Systems Lab.,
 Mountain View, Calif.
 REINHOLD, HENRY W. (A'46-M'50), V.P. & Educational
 Dir., Electronics Institute, Inc., 21 Henry St., Detroit
 1, Mich.
 REINHOLD, WULF D. (A'52-M'58), Research Engr., Lock-

- 1, Mich.

 REINHOLD, WULF D. (A'52-M'58), Research Engr., Lockheed Aircraft Corp., 1122 Jagels Rd., Sunnyvale, Calif.

 REINHOLTZ, WILLIAM H. (S'52-A'54-M'59), Computer
 Design, Librascope, Inc., 808 Western Ave., Glendale 1,
 Calif.
- REINIGER, RAYMOND A. (A'47), Radar Electronic Equipment Repair, Scott AFB, Belleville, III. REINISH, GLORIA B. (A'46-M'54), 159 Congress Rd., Emerson, N.J.
- Emerson, N.J.
 REINITZ, ALEXANDER (S'5B-A'58), Asst. Engr., Raytheon
 Mfg. Co., Maynard, Mass.
 REINKE, EDWARDE, (A'55-M'57), Engr., The Pacific
 Telephone Co., Exchange Bldg., Seattle, Wash.
 REINKE, HERBERT J. (M'46), Engr., John Oster Mfg.
 Co., 1 Main St., Racine, Wis., Ton., Ton., Majn.
- REINKE, JOHN A. (A'44-M'57), Engr., Tech. Maint. & Dev., KSTP-TV, 3415 University Ave., Minneapolis 14, Minn.
- REINKE, ROBERT F. (S'49-A'51-M'56), Sr. Engr., Factory Contact, Minneapolis-Honeywell Regulator Company, 26DD Ridgway Rd., Minneapolis, Minn.
- RIdgway Rd., Minneapolis, Minn.
 REINKE, ROBERT V. (5'51_A'51_A'58), Sr. Engr.,
 A & D Div., Eastman Kodak Co., 400 Plymouth Ave.,
 Rochester 4, N.Y.
 REINNAGEL, RICHARD E. (SM'53), Head, Electronics
 Design Sect., Weapons Systems Dept., Comell Aeronautical
 Lab., 4455 Genesee St., Bufalo 21, N.Y.
- REINS, EDWARD R., JR. (5'54-M'56), Pres., Trans-West-em Electronics, Box 1473, Ventura, Calif. REINSCH, FRANK J. (A'48-M'55), Supvo. Engr., Gil-fillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.
- REINSMITH, GLENN M. (A'50-M'55), Supvr., Data Collection Engrg. Unit, Systems Dev., Missile Detection Sect., HMED, GE Co., Syracuse, N.Y.
- REINTJES, IRVIN C. (A'44-M'55), Genl. Engr., Develop-ment Directorate, Air Force Special Waapons Center, Albu-querque, N.M.
- REINTJES, J. FRANCIS¹ (A¹41-SM¹46), Assoc. Prof., MIT, Cambridge 39, Mass.
 REIS, CHARLES S. (A'54), Production Test Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 REIS, HERBERT J. (M'54), Group Engr., Martin Co., Baltimore 3, Md.
 REISCH. FRANK F. (C:52 M-50)
- REISCH, FRANK E. (S 53-M 59), Lt., USAF, Electronics Engr., Dayton Air Force Depot, Wilmington Pike, Dayton 2D Obio Engr., Da 2D, Ohio
- 2D, Ohio.

 REISCH, ROY P. (S'48-A'53-M'55), Research Engr.,
 Crumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.

 REISE, HERMAN A. (M'3B-SM'43), Tech. Staff, Bell

 Tel. Labs., Whippany, N.J.

 REISENER, WILLIAM C., JR. (M'57), Sr. Staff Engr.,
 The Franklin Institute, 20 & Pkwy., Philadelphia 3, Pa.

 REISENWEAVER, WILBUR B. (A'48-M'51), Owner, W.B.

 Reisenweaver, Communications, 2341 Cherokee Lane,
 Winston-Salem, N.C.

 PEISER, DONAL D. (M'57), Project Engr., Melpar, Inc...

- winston-Salem, N.C.
 REISER, DONALD (M'57), Project Engr., Melpar, Inc.,
 Falls Church, Va.
 REISER, RALPHR. (S'57-M'59), Research Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 REISER, WAYNE (S'53-A'53), Radar Engr., Emerson
 Electric & Mrg. Co., 8100 W. Florissant Ave., St.
 Louis 21, Ma.
- Louis 21, Ma.

 REISMAN, SAMUEL J. (M·45), Head. Tech. Publications, Lockheed Missile Systems Div., Palo Alto, Calif.

 REISNER, GEORGE H. (S·56-M·5B), Naval Officer, USN, USS Fechteler (DDR 870), FPO, San Francisco, Calif.

 REISS, LDWARD V. (A·49), Engr., Univ. Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N.Y.

 REISS, HAROLD R. (M·47), Dev. Engr., Burroughs Corp., Paol., Pa.
- REISS, LESTER (A'44), Sales Engr., 200 East End Ave., New York 2B, N.Y.

- REISS, NATHAN D. (A'46-M'50), Owner, Reiss Public Address Systems, 7629 E. Jefferson Ave., Detroit 14,
- Mich.
 REISS, ROBERT I. (A'53-M'59), Research Engr., Hughes
 Research & Development Labs., Culver City, Calif.
 REISTER, KERMIT W., JR. (M'55), Instr., Elec. Engrg.
 Dept., Kansas State College, Manhattan, Kan.
- REIS LER, KERMIT W., JR., (M.52), Insu., Ciec. Engr. Dent., Kansas State College, Manhattan, Kan. REITAN, DANIEL K. (SM'56), Dept. Engrg., Univ. of Wisconsin, Madison, Wis.
 REITER, ABRAHAM M. (M'56-SM'58), Engr., Internati. Telemeter Corp., 2000 Stoner Ave., West Los Angeles, Calif.

- Telemeter Corp., 2000 Stoner Ave., West Los Angeles, Calif.
 REITER, GORDON S. (\$'55-M'57), Mem. Tech. Staff, Space Technology Labs., Los Angeles 45, Calif.
 REITER, WILLIAM J. (A'57), Fleld Service Technologn, Bendix Radio Div., Baltimore 9, Md.
 REITHER, STANLEY I. (\$'54-M'56), Project Engr., Mobile Geera Region, Brookley AFB, Mobile, Ala.
 REITLINGER, ADOLF (A'46-M'55), Sr. Project Engr., Acousticon Div., Dictograph Prods., Inc., 95-25 149
 St., Jamaica, L.I., N.Y.
 REITMAN, JULIMA (S'48-A'52-M'57), Sr. Engr., The Teleregister Corp., 445 Fauffield Ave., Stamford, Conn.
 REITZ, NORMAN J. (A'41-M'45-SM'50), Div. Mgr., Prod. Engr., Jyliania Elec. Prods., Inc., Emporium, Pa.
 REITZEL, CHESTER I. (S'55-A'56), Field Rep., Merganthaler Lundype Co., 24 Ryerson St., Brooklyn 5, N.Y.
 REIZES, HARRY N. (A'57), Dir. of Audio Fairs, The Audio Fair, 147/S Sylvia Lane, East Meadow, L.I., N.Y.

- Fair, 1475 Sylvia Laire, East Meadow, L.I., N.T. REKART, ARTHUR F. (A'2B-VA'39), Transmitter Supvr., KMUX-Tv, CB5, 1210 Cole St., St. Loulo J., Mo. REKOFF, MICHAEL G., JR. (A'56-M'59), Instr., Univ. of Wisconsin, Madison 6, Wis. REKORT, WALTER (S'56-M'58), Prod. Engr., GE Co., Schenectady, N.Y.

- Scnenectady, N.Y.
 REKOWSKI, MICHAEL J. (S'55-A'56), Dev. Engr., Motorola, Inc., 1400 N. Cicero, Chicago 51, III.
 RELF., KENNE TH E. (S'42-A'43-M'55), Sr. Sclentist,
 Westinghouse Atomic Power Div., Box 146B, Pittsburgh 36, P.

- 36, Pr. RELIS, MATTHEW J. (A'44-M'46), Asst. Mgr., Digital Computer Dev., Curtiss-Wright Electronics Div., 631 Central Ave., Carlstadt, N.J., RELLA, JOSEPH D. (S'52-A'53-M'5B), Jr. Engr., Hazeltine Electronics Corp., Little Neck, L.I., N.J. RELSON, MORRIS (A'41-M'45), Patent Lawyer & Partner, Darby & Darby, 405 Lexington Ave., New York 17, N.Y. RELYEA, JAMES R. (S'51-A'54), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M. RELYEA, RICHARD A. (S'50-A'51-M'56), Dev. Engr., GE Co., Syracuse, N.Y.
- Co., Syracuse, N.Y.

 REMICH, JOHN E. (A'43), Mgr., TechRep. Div., Philoo

 Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
- REMILLARD, WILFRED J. (S'5)-A'5A), 77 Trowbridge St., Cambridge, Mass. REMILY, WILLIAM M. (S'5)-A'52-M'57), Asst. Project Administrator, Hazeltine Electronics Corp., Little Neck,
- L.I., N.Y.

 REMINGTON, RAYMOND C. (M'56), Field Project Mgr.,
 Raytheon Mfg. Co., Wayland, Mass.

 REMIS, BASIL R. (M'57), Dev. Engr., Applied Science
 Corp. of Princeton, Box 44, Princeton Junction, N.J.

 REMLEY, FREDERICK M., JR. (S'51-A'52-M'56), Tech.
 Dir., Radlo & TV, Univ. of Michigan, 310 Maynard, Ann
 Arbor, Mich.

 REMLEY, HILTONI, (S'32-A'32), MICHIGAN, AND ARTHORY WILL CONT.

- Dir., Radlo & TV, Univ. of Michigan, 310 Maynard, Ann Arbor, Milch.

 REMLEY, HILTON L. (S'34-A'36-VA'39-M'52), Radlo Operation Engr., WGN, Inc., 441 N. Michigan Ave., Chicago 11, Ill.

 REMLEY, LEO A., JR. (S'57-M'58), Dev. Engr., Western Electric Co., Lexington Rd., Winston-Salem, N.C.

 REMMES, JOSEPH A. (SM'59), Project Engr., Packard Bell Electronics Co., 1933 Bundy Dr., Los Angeles 25, Calif.

 REMOND, FRANK X. (S'52-A'53-M'59), Network Engr., GE. Co., St. Petersburg, Fla.

 REMPEL, CORNELLUS (M'57), Tech. Officer, Canadian Army Development Est., E. & E. Div., Ditawa, Ont., Canada REMPT, HENRY F. (SM'57), Engr. Lockheed Aircraft Corp., Box 551, Burbank, Calif.

 RENARD, WILLIAM J. (S'58-M'59), Field Engr., Federal Electric Corp., Paramus, N.J.

 RENAUD, HENRY G. (A'54), Pres., Photo Chemical Prods., Inc., 479 Walton Ave., New York 51, N.Y. & 1715

 Berkeley St., Santa Monica, Calif.

 RENCH, CARL F. (M'59), Dir., Electronics Engrg. Team, The Natl. Cash Register Co., S, Main & K Sts., Dayton, Ohio.

- RENDALL, ANDREW H. (\$'56-M'59), Production Engr., Huggins Labs., Inc., 999 E. Arques Ave., Sunnyvale, Calif.
- RENDE, ALEXANDER M. (M'59), Engr., RCA, Camden,
- RENDE, AMEDEO A. (A'52-M'57), Field Engr., Philoo Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. RENDELL, GODFREY (A'39-M'55), Engr., RCA, Camden 2,

- N.J.
 RENERO, CURTIS I (A'59), Aircraft Radio Technician, Phillips Petroleum Co., Bartlesville, Okla.
 RENERO, HAROLD E. (A'24-VA'39), Consulting Engr., 1857 Ravenna Blud., Seattle 5, Wash.
 RENEROW, ROBERT J. (A'52-M'57), Engrg. Leader, Airbome Systems Debt., RCA, Camden, N.J.
 RENHARD, JULIUS A. (A'38-VA'39-SM'52), Sales Engr., Broadcast Equipment, RCA, Camden, N.J.
 RENICK, ROBERT C. (M'55-SM'57), Exec. Engr., ITT Labs., Nutley 10, N.J.
 RENK, BERNARD J. (A'44-M'56), Transmitter Technician, WCCD-TV, 28th Fl., Foshay Bidg., Minneapolis, Minn.
 RENKE, ADDLPH (A'43-M'55), Project Engr., Yardney
- WILD-IV, 2BM FI., FOSHAY BIDG, MININEADOLIS, MININERNEX, ADDLPH (M-42-M'55), FOJECT Engr., 'Yardney Labs. Inc., 40-46 Leonard St., New York, N.Y.
 RENKIEWICZ, HENRY F., (S'4B-A-50-M'56), Engr., Sperny Electronic Tuhe Div., Galmesville, Flar, RENKIEWICZ, RAYMOND (S'47-A'50-M'55), Supvr., Design Group, Final Checkout Quality Control Engrg., Chrysler Corp., Missile Div., Box 262B, Detroit, Mich.
- COTP., MISSIRE DIV., BOX ZOZD, DETROIT, MICH.
 RENKOWITZ, DONALD (S'57-M'58), Engr., Airbome Instrument Lab., Mineola, L.I., N.Y.
 RENNE, HAROLD S. (A'41-M'45-SM'48), Information
 Mgr., Bell Tel. Labs., 463 West St., New York 14,
 N.Y.
- RENNEKAMP, EUGENE E. (A'51-M'57), Mgr., Lab. Facilities Dept., Collins Radio Co., Cettar Kapids, Iowa.

RENNENKAMPF, LEONARD J. (A'45-M'46), Assoc. Lab.
Dir., Missile Guidance, ITT Labs., Nutley 10, N.J.,
RENNER, DARWIN S. (A'34-VA'39-M'55), Pres., Geotronic Labs., Inc., 1207 Eldorado St., Dallas B., Tex.,
RENNER, CERARD W. (A'44-M'55), Sect. Head, Sonar
Dept., Raytheon Mfg. Co., Wayland, Mass.
RENNER, JDHN J. (M'46), Sr. Engr., Jansky & Balley,
Inc., 1735 DeSales St., Washington 6, D.C.
RENNICK, JOHN L. (A'36-VA'39-SM'49), Dev. Engr.,
Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, III.
RENNIE, JAMES C. (SM'57), Project Engr., Collins Radio
Co. of Canada, Ltd., 11 Bermondsy Rd., Toronto 16,
Ont., Canada

- Office Control of Cont
- RENSIN, ERNEST (A'53), Sr. Engr., Allen B. Du Mont, 35 Market St., East Paterson, N.J. RENTE, FRANK A. (S'54-M'56), Dev. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. RENTERIA, RICHARD (S'56-M'5B), Test Engr., Convair, San Diego 12, Calif.

- San Diego 12, Calif.
 RENTON, RALPH J. (A'29-M'45), Radio Engr., FCC, Washington 25, D.C.
 RENTON, WILLIAM L. (M'58), Electronics Engr., Philoo Corp., Western Dev. Labs., 3875 Fabian Way, Palo Alto, Calif.
- RENTSCHLER, MAXWELL B. (S'57-M'59), Jr. Engr., Haller, Raymond & Brown, 124 N Atherion St.. State College, Pa.

- College, Pa.

 RENWICK, ERLE B., JR. (M'53), Sales Engr., GawlerKnoop Co., 178 Eagle Rock Ave., Roseland, N.J.,

 RENWICK, FRED B. (S'55-M'56), Electronics Engr.,

 Arma Div., Garden City, L.I., N.Y.,

 RENWICK, GEORGE J. (A'56-M'57), Electronics Scientist,

 Deot. of Army, U.S., Electronic Proving Ground, Ft. Huachuca, Ariz.

 PENNICK, PONALLY (M'56-M'57), Electronics Scientist,

 Det. of Army, U.S., Electronic Proving Ground, Ft. Huachuca, Ariz.
- RENWICK, RONALD L. (M'56), Field Engr., Martin Co., Orlando, Fla.
- RENWICK, WILLIAM H., JR. (S'5B-M'5B), Jr. Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore, Md.
- Baltimore, Md.

 REPELLA, NICHOLAS (A'47-SM'56), Sr. Electronics Engr., Lab., for Electronics, Inc., 75 Pitts St., Boston, Mass.

 REPLOGLE, FRANK S., JR. (SM'59), Sr. Physicist, Schlumberger Well Surveying Corp., Box 550, Ridgefield, Conn.

 REPLOGLE, JDE O. (S'31-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 REPPER, ORVILLE C. (A'56-M'59), Asst. Engr., Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.

 REQUE, STRYK G. (A'41-M'55), Consulting Engr., GE Co., Pheenix, Ariz.
- Phoenix, Ariz.

 RESCH, ROBERT J. (S'57-M'59), Electronics Engr.,
 Thompson-Ramo-Woolridge Corp., 2196 Clarkwood Rd., Thompson-Ramo-Wickers Cleveland 3, Ohio.
- Cleveland 3, Ohio.
 RESOCD, JAMES M. (S'42-A'45-M'55-SM'58), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.
 RESNICK, ALVIN (S'49-A'51-M'57), Electronics Engr.,
 U.S. Army Signal Research & Development Lab., Evans
 Signal Lab., Belmar, N. J.
 RESNICK, SANDER (M'56), Engr., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.
 RESNICW, LEDN (M'56), Pres., Reon Resistor Corp.,
 117 Stanley Ave., Yonkers, N.Y.
 RESNICW, ARNDLD E. (A'51-M'56), Electronics Scientist,
 U.S. Naval Ordnance Lab., Corona, Calif.
 RESOR, IOSEPH D. (S'65-M'59), W. Chestnut St.,

- RESNIK, ARNOLD E. (A'51-M'56), Electronics Scientist, U. S. Naval Ordnance Lab., Corona, Calif. RESOR, JOSEPH D. (S'56-M'59), W. Chestrut St., Union City, Ind.
 RESS, THOMAS I. (A'55), Engrg. Group Leader, RCA, Camden 2, N.J.
 RESSLER, HUGH C. (SM'50), Project Engr., Hogan Labs., Inc., 155 Perry St., New York, N.Y.
 RESTAINO, ANTHONY D. (S'53-M'57), Project Engr., Raytheon Mfg. Co., Newton, Mass.
 RESTIVO, FRANK S. (S'57-M'59), 1400 Kanawha, Hyatts-ville, Md.
 RETHERFDRD, R. C. (A'45-M'55), Prof., Elec. Engrg. Dept., Univ. of Wisconsin, Madison, Wis.
 RETHORET, RALPH H. (S'47-A'50-M'55), Service Mgr., X-Ray & Radium Industries, Ltd., 261 Davenport Rd., Toronto, Ont., Canada.
 RETKO, EDWARD (A'51-M'58), Mng. Engr., Guldance & Control Lab., Missile Div., Chrysler Corp., Box 2628, Detroit 31, Mich.
 RETSKY, HERBERT (S'57-A'59), Tech, Writer, Westinghous.

- Detroit 31, Mich.

 RETSKY, HERBERT (S'57-A'59), Tech. Writer, Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

 RETT, HUBERTC. (S'4]-A'50-M'55), Elec. Engr., Illinois Bell Tel. Co., 212 W. Washington, Chicago 6, Ill.

 RETTENMEYER, FRANCIS X. (A'29-M'29-SM'43-F'44), Engrg. Dept., Philoc Corp., 470D Wissahickon Ave., Philadelphia 32, Pa.

 RETTENMEYER, PAUL E. (S'ACCASSANCE)
- Philadelphia 32, Pa.
 RETTENMEYER, PAUL F. (S'49-A'51-M'56), Engr., Norden Labs., 219 Westmoreland Ave., White Plains, N.Y.
 RETTERER, BERNARD L. (M'58), Equipment Engr., RCA
 Service Co, Camden, N.J.
 RETTIG, ALBERT S. (S'49-A'50-M'56-SM'5B), Group
 Leader, RCA, Camden, N.J.
 RETZBACH, WILLIAM J. (A'59), Deputy Commander, Central
 European AACS Region, APO 633, New York, N.Y.
 RETZLACH, LEONARD I. (A'53), Sr. Design Engr., Fairchild
 Astrionics Div., Wyandanch, L.I., N.Y.
 RETZLAFF, DONALD (M'57), Supvr., Instrument R&M, Texas
 Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 RETZLAFF, ERWIN E. (A'54), Mem. Tech. Staff, Hughes Air-

- Instrumemts, Inc., 6UUU Lemmon Ave., Dallas, Tex.
 RETZLAFF, ERWIN E. (A'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 REUKAUF, DONALD C. (A'43-M'55), Research Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.
 REUKEMA, LESTER E. (A'30-SM'46-F'51), Prof., Elec. Engrg., Univ. of California, 123 Cory Hall, Berkeley 4, Calif.
- Call .

 REUMAN, WILLIAM H. (A'25), Pres. & Treas., Long Island
 Broadcasting Corp., WWRL-AM & WRFM-FM, 41-30 58
 St., Woodside 77, L.1, N.Y.

 REUSCH, RAYMOND K. (S'52-A'53-M'58), Engr., RCA,
- - Harrison, N.J.
 REUSS, MAX L., JR. (M'57), Physicist, Naval Research
 Lab., Washington 25, D.C.
 REUSS, RALPH E. (S'56-M'58), Staff Engr., Public Service
 Commission of Indiana, 401 State House, Indianapolis, Ind.

- REUST, ROBERT H. (S'48-A'50-M'54), Engr., RCA, Moorestown, N.J.

 REUTER, PETER J. (SM'57), V.P., Consolidated Avionics Corp., 800 Shames Dr., Westburv. L.I., N.Y.

 REUTHER, CALVIN R. (S'52-A'53-M'59), Field Service Engr., Boeing Airplane Co., Seattle, Wash.

 REUTHER, DANIEL W. (S'51-A'55-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 REUYL, JOHAN S. (S'56-M'56), Assoc. Engr., Ordnance Div., Minneapolis-Honeywell Regulator Co., Hopkins, Minn.

 REVAY, ANDREW W., JR. (S'53-M'57), 1st Lt., USAF, Lincoln AF8, Neb.

 REVAPA, ANDREW W., JR. (S'53-M'57), Tech. Liason Engr., Burroughs Corp., 8urroughs Corp., 8urroughs Dr., Radnor, Pa.

 REVENDA, MUSH, JOHN J. (M'55), Tech. Liaison Engr., Burroughs Corp., 8urroughs Dr., Radnor, Pa.

 REVERCOMS, H. EARL (S'42-A'48-M'46-SM'56), Mgr., Surface Equipment Design & Dev., GE Co., HMED, Syracus 1, N.Y.

- cuse 1, N.Y.

 REVERE, RAYMOND W. (A'53), Equipment Engr., Servo Corp. of America, 20-20 Jericho Toke., New Hyde Park, L.I., N.Y.

 REVESZ, GEORGE (M'54), Mgr., Electronic Research Sect., Eastem Research Center, Robertshaw-Fulton Controls Co., 29-20 N. 4 St., Philadelphia 33, Pa.

 REVILLA, ALBERT G. (M'56), Sr. Electronics Engr., Martin Co., Box 179, Denver 1, Colo.

 REVOR, RICHARD J. (M'53), Instr., TV Technology, DeVry Tech. Institute, 4141 W. Belmont, Chicago 41, III.

 REVZIN, STANLEY A. (M'55), Mgr., Project Administration, Lewyt Mfg. Corp., 43-22 Queens St., Long Island City 1, N.Y.

- N.Y.

 REX, FREDERICK J., JR (M'58), Engr., United Shoe Machinery Corp., Beverly, Mass.

 REX, ROY A., JR. (S'55-M'58), Dev. Engr., Raytheon Mfs. Co., Waltham, Mass.

 REXFORD H. EUGENE (S'55-M'5B), Elec. Engr., Coming Class Works, Coming, N.Y.

 REXON, LESTER (M'54), Foreman, Beryllium Corp., Box 1462, Reading, Pa.

 REXROAD, ROBERT A. (A'50), Field Engr., Tammen & Denison Div., Land-Air, Inc., 4751 N. Olcott, Chicago 31, III.
- Denison DIV., Land-Air, Inc., 4751 N. Olcott, Chicago 31, Ill.

 REXROAT, LARUE D. (M'53), Sales Mgr., Haller, Raymond & Brown, Inc., Circleville Rd., State College, Pa.

 REY, THOMAS J. (SM'56), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 REYDA, DON C. (A'51), Pres., Western Electronics Supply Ltd., 1234 Marine Dr., North Vancouver, B. C., Canada.

 REYERS, ROBERT R. (M'54), Test & Dev. Engr., Fisher & Porter Co., County Line Rd., Hatboro, Pa.

 REYES, DG A. (S'56-M'58), Engr., WestInohouse Air Arm Div., Friendship Internati. Airport, Baltimore, Md.

 REYES, JULIO H. (A'54), Partner & Technician, Labs., Colombianaos de T. V., Bogota, Colombia, Calorio, Colombianaos de T. V., Bogota, Colombia, Calorio, Colombia, Calorio, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 REYMANN, JOSEPH JR. (S'56-M'59), 160 White Rd.,

- REYMANN, JOSEPH JR. (S'56-M'59), 160 White Rd., Mineola, L.I., N.Y.
- mineola, L.1., N.Y.
 REYMOND, WELLES K. (S'56-M'58), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 REYNA, RICHARD C. (S'55-M'58), Electronics Officer,
 54th Fighter-Interceptor Sqdn., USAF, Elisworth AFB,
 S.D.
- REYNOLDS, ARNOLD G. (M'53), Dr., Furzehill Labs., Ltd., Boreham Wood, Herts., England.
 REYNOLDS, A. CRAIG, JR. (M'53), Chief Engr., Stromberg Time Corp., Thomaston, Conn.
 REYNOLDS, ARNOLD G. (M'58), 1241 Park, Syracuse 8, N.Y.

- N.Y.
 REYNOLDS, BILLY G. (A'50), Sr. Technician, Scientific Atlanta, 2162 Pledmont Rd., Atlanta, Ga.
 REYNOLDS, BURTON C. (S'57-M'59), Research Engr., Defense Research Lab., 500 E. 24 St., Austin, Tex.
 REYNOLDS, CHARLES H. (M'5B), 472 Harwick Rd.,
 Rochester 9, N.Y.
- REYNOLDS, CHARLES W. (SM'55), Asst. Works Mgr., Western Electric Co., Lexington Rd., Winston-Salem, N.C.
- REYNOLDS, CLARENCE L. (M'53-SM'55), Supvr., Test Lab., Receiving Tube Engr., GE Co., 316 E 9, Owensboro, Ky.
- REYNOLDS, D. ERIC (M'50), Sales Engr., Lansdale Tube Co., Lansdale, Pa.
- CO., Lansgate, Pa.

 REYNOLDS, DAVID W. (S'50-A'51-M'58), Electronics
 Scientist, Diamond Ordnance Fuze Labs., Washington 25,
 D.C.
- REYNOLDS, DELOS J. (A'36-VA'39-M'55), Elec. Engr., Westinghouse Elec. Corp., Sunnyvale, Calif. REYNOLDS, DONALD J. (S'53-A'54), Staff Engr., IBM, Kingston, N.Y.
- Kingston, N. Y.

 REYNOLDS, DONALD K. (A'48-SM'51), Assoc. Prof., Elec. Engrg. Deat., Univ. of Washington, Seattle 5, Wash. REYNOLDS, FRANCIS M. (A'35-VA'39-M'55), Consultant, GE Co., Syracuse, N. Y.

 REYNOLDS, FRANK L. (A'55), Layout Draftsman, Spicerbana Corp., 4100 Bennett, Toledo, Ohio.

 REYNOLDS, GEORGE A. (A'43-M'45), V. P. & Tech. Dir., WSM, Inc., 301 7 Ave. N., Nashville 3, Tenn.

 REYNOLDS GEORGE E., JR. (S'42-A'45-M'55), V. P., Reynolds Radio & Television, Inc., 812 Court St., Clearwater, Fla.

 REYNOLDS, GEORGE W. (S'45-A'46-SM'55), Adminis-

- REYNOLDS, GEORGE W. (S'45-A'46-SM'55), Administrative Engr., Standard Coil Prods., Inc., 2100 N. Soto St., Los Ángeles, Calif.
- St., Los Angeies, Valli.

 REYNOLDS, GERALD N. (S'56-M'57), Aerophysics Engr.,
 Convair, Ft. Worth, Tex.
 REYNOLDS, GIBSON (A'51), Sr. Project Engr., Eclipse
 Ploneer Div., Bendix Aviation Corp., Teterboro, N.J.

- Pioneer Div., Bendix Aviation Corp., Teterboro, N.J.
 REYMOLDS, HOWARD J. (S'5B. A-5B), Electronics Engr.,
 II, Stromberg Carlson Co., 1400 N. Goodman St.,
 REYMOLDS, JACK (S'54-M'57), Instr., Elec. Engrg.,
 Oklahoma Univ., Norman, Okla.
 REYNOLDS, JAMES E. (A'56), Motorola, Inc., 5005
 E. McDowell Rd., Phoenix, Ariz.
 REYNOLDS, JAMES H., JR. (A'55), Tech. Assoc. (Electronics), Data Systems Operation, Sylvania Electric
 Prods., Needham, Mass.
 REYNOLDS, IONN.C. (M442), Proprietor, Podto Elec-
- REYNOLDS, JOHN C. (M'47), Proprietor, Radio Electronics Service, Box 256, Calais, Me.

- REYNOLDS, JOHN L. (S¹56-M¹58), 1811-B Ocean Park 8lvd., Santa Monica, Calif.
 REYNOLDS, KENNETH A. (M¹57), Engr., Kalser Alicraft & Electronics, 2222 W. Peorla, Phoenix, Arlz.
 REYNOLDS, LEANDER G. (S¹47-A¹53-M¹58), Engr.,
 Sperry Gryoscope Co., Great Neck, L.I., N.Y.
 REYNOLDS, MARTIN R. (S¹52-A¹54-M¹59), Project Engr.,
 Filtron Co., Inc., 131-15 Fowler Avc., Flushing 55,
 L.I., N.Y.
- REYNOLDS, MERL T. (S'41-A'44-M'45), Head, Pitts-burgh Inspection Office, Bonneville Power Administration, U. S. Dept. of Interior, 209 Old Post Office Bidg.,

- U. S. Dept. of Interior, 209 Old Post Office Bildg., Plttsburgh 1.9, Pa.

 REYNOLDS, R. STANTON (M'54-SM'56), Staff Mem., Sandla Corp., Sandla Base, Albuduerque. N. M.

 REYNOLDS, R. STANTON (M'54-SM'56), Staff Mem., Sandla Corp., Sandla Base, Albuduerque. N. M.

 REYNOLDS, RALPH C. (A'46), Radio Engr., The Texas Co., Box 425, Bellaire, Tex.

 REYNOLDS, RICHARD J. (A'54), Sales Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 REYNOLDS, ROBERT A. (S'50-A'51), Dir., Engrg., Far East Broadcasting Co., 8ox 2041, Manila, Phillippines.

 REYNOLDS, ROBERT 8. (S'50-A'53-M'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N., REYNOLDS, ROSS H., JR. (A'46-SM'53), Sales Mgr., Computing Service, GE Co., Computing Service, GE Co., Computer Debt., Phoenix, Ariz.

 REYNOLDS, THOMAS G., JR. (A'57), Design Engr.,

- Ariz.

 REYNOLDS, THOMAS G., JR. (A'57), Design Engr.,
 Thieblot Aircraft Co., Martinsburg, W. Va.

 REYNOLDS, VERNON F. (S'40-A'46-M'55), Chief Engr.,
 Military Contracts Div., Aero Service Corp., 210 E.

 Courtland St., Philadelphia 20, Pa.

 REYNOLDS, WALTER, JR. (M'56), Elec. Engr., Philoo

 Corp., Western Div., 3875 Fabian Way, Palo Alto, Calif.

 REYNOLDS, WALTER E. (S'57-M'59), Electronics Engr.,
 Link Avlation, 530 University, Palo Alto, Calif.

 REYNOLDS, WILLAIM J. (S'57-M'59), Quality Control

 Engr., Acceptance Test, GE Co., Pittsfield, Mass.

 REYNOLDS, ZACK D. (S'51-A'51-M'57), Sect. Head, Data

 Recording, Stromberg-Carlson Co., 189'5 Hancock St.,
 San Diego, Calif.

 REZA, FAZLOLLAH (M'52). Pmf. Flore Figure
- REZA, FAZLOLLAH (M¹52), Prof., Elec. Engrg., Syracuse Univ., Syracuse, N.Y. REZEK, GERARD (A¹57), Design Engr., RCA, Camden B, N.J.
- B, N.J.
 REZEK, RODERICK M. (A'58), Avionic Engr., Grumman
 Aircraft Engrs. Corp., Bethpage, L.I., N.Y.
 RHAMY, JOHN D. (S'53-A'55), Sr. Electronics Engr.,
 Convair-Astronautics, San Diego, Calif.
 RHEA, HENRY E. (A'53-M'55), Dir., Engrg., Radio & TV
 Div., Triangle Publications, Inc., 46 & Market Sts.,
 Philadelphia 39, Pa.

- DIV., Triangle Publications, Inc., 46 & Market Sts., Philadelphia 39, Pa.
 RHEAMS, CHARLES J. 8, (A'47-M'47), Supw., Electromannetic Engrg., Missiles & Space Systems Div., United Aircraft Corp., Main St., E. Hartford, Conn.
 RHEAUME, RAYMOND H. (M'45), Elec. Engr., Brook-haven Natl. Lab., Upton, L.1., N. Y.
 RHEAUME, ROLAND O. (S'49-A'52-M'56), Sales Engr., Webster Electric Co., 1900 Clark St., Racine, Wis.
 RHEIN, G. W. (M'48), Pres., Rheln Sound Systems, Inc., 133 Hamilton St., New Haven, Conn.
 RHIGER, RICHARD R. (M'50), Asst. Chief Engr., Tektronix, Inc., Box 831, Portland 7. Ore.
 RHOAD, EDWARD J. (M'47-SM'54), Project Mgr., Hughes Aircraft Co., Box 2097, Fullerton, Call RHOADS, ARTHUR S., JR. (S'54-A:54), Engr., Sperry Electronic Tube Div., Gainesville, Fla.
 RHOADS, DAVID O. (A'54), Engr., Westinghouse Elec. Corp., Box 1047, Pittsburgh, Pa.
 RHOADS, JOHN A. (SM'49), Dir., Engra., Tech., Prod., Div., Packard Bell Electronics Corp., 12333 W. Olympic Bivd., Los Angeles 64, Calif.
 RHODEHAMEL, ARMOND J. W. (S'38-A'41-M'55), Supvr.,

- Packard cell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.
 RHODEHAMEL, ARMOND J. W. (S'38-A'41-M'55), Supvr., GE Co., Syracuse 1, N.Y.
 RHODEN, VASCO C., JR. (S'47-A'50-M'58), Field Engr., Western Electric Co., Winston-Salem, N.C.
 RHODES, A. JOHN (M'50), Engr., Bell Tel. Co. of Canada, 1060 University, Montreal, P. Q., Canada.
 RHODES, BERTRAM S. (S'50-A'51-M'58), Elec. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 RHODES, DONALD R. (S'44-A'47-S'47-A'54-SM'57), Head, Basic Research, Radiation, Inc., Box 6904, Orlando, Fla.
 RHODES, HAROLD A. (A'45-M'55), Methods Engr., Transmission, AT&T Co., 32 6 Ave., New York 13, N.Y.
 RHODES, HAROLD A. (S'58-M'59), Staff Mem., Sandia Corp., Sandia Base, Albusueroue, N.M.
 RHODES, HERMAN A. (M'54), Supt., Communications, Transcontinental Gas Pipe Line, 3100 Travis, Houston, Tex.

- RHODES, JAMES F. (S'55-M'56), 228 W. F St., Glendale,
- RHODES, JAMES P. (S'56-M'59), Elec. Engr., Hughes Aircraft Co., Box 90426, Airport Sta., Los Angeles 45, Calif.
- RHODES, JOSEPH F. (A'58), Field Engr., Philoc Corp., TechRep. Div. Home: 14-54 159 St., Beechhurst, L.I., N.Y.
- L.I., N.Y.

 RHODES, MAC L. (A'45), TV Master Control Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 RHODES, MELVIN H. (M'56), Chief Engr., Torotel, Inc., 110 & 71 Hwy., Kanasa City, Mo.

 RHODES, MURDENE H. (A'51), Communications Supvr., City of San Antonio, 203 S. St. Mary's, San Antonio, Tex.
- RHODES, PETER G. (M'56), Mgr., RCA Bizmac Installation, 700 Main St., Hartford 15, Conn. RHODES, RAYMOND (S'55-M'57), Elec. Engr., I8M, Kings-ton, N.Y.

- ton, N.Y.
 RHODES, ROBERT D. (A'53), Project Engr., RS Electronics
 Corp., 435 Portage Ave., Palo Alto, Calif.
 RHODES, WILLIAM H. (A'55-SM'59), Principal Dev. Engr.,
 Aircraft Armaments, Inc., Cockeysville, Md.
 RHOTEN, CLAUDE J. (S'54-A'54), Electronics Test Engr.,
 80eing Airplane Co., Wichita, Kan.
 RHUDE, DONALD P. (M'58), Capt., USAF, Home: 77 Meehan
 Dr., Dayton 31, Ohio.
 RHYINS, RICHARD W. (M'54), Project Engr., Barnes Engrg.
 Co., 30 Commerce Rd., Stamford, Conn.
 RHYNE, WILLIAM A. (M'57), Electronics Scientist, USN
 Mine Defense Lab., Panama City, Fla.

- RHYS-JONES, J. E. (A'2B-SM'4B), Mgr., Boreham Wood Labs., The Plessey Co., Ltd., Manor Way, Boreham Wood, Hertz., England.
- RIAD, MOHAMMED A. (M'59), Demonstrator, Ain Shams Univ., Faculty of Engrs., Cairo, Abbasia. Egypt. RIAL, WAYNE S. (M'57), Engr., Westinghouse Elec. Corp., Elmira, N.Y.

- Elmira, N.Y.

 RIALL, ROBERT T. (M'58), Engr., Sylvanja Elec. Prods.,
 Inc., 1100 Webrle Dr., Amherst, N.Y.

 RIBBECK, CARLOS S. (S'54-A'55), Mine Elec. Engr.,
 Andes Copper Mining Co., El Salvador, Chile.

 RIBBENS, WILLIAM F. (M'56), Plant Supvr., Tolj & Special
 Services, Wisconsin Telephone Co., 722 N. Broadway, Milwaukee 1, Wis.

- waukee 1, Wis.

 RIBEIRO, HELIO S. G. (A'57), Rua Barata Ribeiro 283, Apt. 201, Rio de Janeiro, Brazil.

 RIBEIRO DE CASTRO, CARLOS E. (A'58), Tech, Dir., Industria Electronica Stevenson, Ltd., Cx. Postal 4061, Sao Paulo, Brazil.

 RIBEIRO, SERGIO T. (S'55-M'58), Prof., Electronics, Instituto Techologico de Aeronautica, C.T.A., Sao Jose Dos Campos, Sao Paulo, Brazil.

 RIBLET, HENRY B. (SM'44), Instrumentation Supvr., The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.
- RIBLET, HENRY J. (A'45-M'55-F'58), Pres., Microwave Development Labs., Inc., 92 Broad St., 8abson Park 57, Mass.
- RIBNER, MORRIS (A'47-M'55), Project Engr., Kellogg Switchboard & Supply Co., 6000 W. 51st St., Chicago 38, III.
- RICCA, ROSERT F. (S'48-A'55-M'59), Field Engr., Missile Systems Div., Raytheon Mfg. Co., Andover, Mass. RICARDI, LEON J. (S'48-A'50-M'75), Freid Engr., Missile Systems Div., Raytheon Mfg. Co., Andover, Mass. RICARDI, LEON J. (S'48-A'51-M'75), Group Leader, MIT, Lincoln Lab., Lexington 73, Mass. RICCA, ROSERT F. (S'48-A'51-M'58), Dev. Engr., Western Electric Co., Bell Tel. Labs., Whippany, N. J. RICCI, ANTONIO J. (M'58), Engr., RCA Victor Argentina, Paroissien, 3960 Buenos Aires, Argentina.
 RICCI, 8ASIL E. (S'51-A'52-M'57), Test Equipment Design Engr., GC Co., LMED, Utica, N., RICCI, TEOBALDO M. (S'57-A'57), 39-60 65 Pl., Woodside 77, L.I., N. Y.

- RICCI, TEOBALDO M. (S'57-A'57), 39-60 65 Pl., Woodside 77, L.I., N.Y.
 RICCIARDELLI, ANGELO M. (SM'56), Frequency Coordinator, Communications-Flectronic Directorate, Joint Staff, Joint Chiefs of Staff, The Pentagon, Washington, D.C.
 RICCIARDELLI, GINO (A'51-M'56), Tech. Dir., WINR-AM-TV, 70 Henry St., Binghamton, N.Y.
 RICCIARDI, FRANK (M'57), Electronics Engr., Raytheon Mig. Co., Waltham, Mass.
 RICCIO, ALEXANDER H. (SM'58), Component Project Engr., RCA, Moorestown, N.J.
 RICCIO, LOUIS A. (S'53-A'54), Application Engr., Edwards Co., Inc., Boston Post Rd., Norwalk, Comn.
 RICCIOTTI, SALVATORE (A'43-M'47), Engr., WKY Television System, 500 E. Britton Rd., Óklahoma City 20, Okla.
 RICCOBONO, SEBASTIAN (A'38-VA'39), Sect. Head, Naval Research Lab., Anacostia 25, D.C.
 RICE, BENJAMIN G. (M'57), Contract Rep., Govt., RCA, Defense Electronic Prods., 941 Charleston Rd., Palo Alto. Calif RICE, CBESTER T. (S'42-A'47-SM'53), Military Prod.
 RICE, CBESTER T. (S'42-A'47-SM'53), Military Prod.
- Planner, GE Co., 13430 N. Black Canyon Hwy., Pheonix, Ariz.
- RICE, CLARENCE I. (S'43-A'45-M'47-SM'54), Mgr., Aviation Prods., Bendix Radio Div., Towson 4, Md.

- Aviation Prods., Bendix Radio Div., Towson 4, Md.
 RICE, D. REACAN (5'56-M'57), Elec. Engr., Bell Tel.
 Labs., Whippany, N.J.
 RICE, DONALD H. (5'53-A'54), Elec. Engr., Sylvania
 Elec. Prods., Inc., Wobum, Mass.
 RICE, GENE M. (5'53-A'55-M'55), Engr., Doniphan
 Telephone Co., Court Circle, Doniphan, Mo.
 RICE, GEORGE D. (SM'55), V.P., Mfg., Humphrey, Inc.,
 2805 Canon St., San Diego 6, Calif.
 RICE, GEORGE R.A. (A'41), Pres. & Genl. Mgr., Sunwapta Broadcasting Co., Ltd., 102 CPR Bldg., Edmonton,
 Alta., Canada.
 RICE, HAROLD A. (5'55-M'56), Tell.
- wapta Broaccasums of Alta, Canada.

 RICE, HAROLD A. (S'55-M'56), 1st Lt., USAF, Communications Electronics Engr., Officer, Pacific GEEIÁ Region (AMC), APO 323, San Francisco, Calif.
- RICE, JAMES E., JR. (S'53-M'56), Engr., Elec. Defense Lab., Box 205, Mountain View, Calif. RICE, JAMES S. (M'58), Design Engr., Stewart Warner Elec-tronics, 1300 N. Kostner Ave., Chicago 51, III.
- RICE, JOE C. (S'58-A'59), Tech. Asst., Western Electric Co., Winston-Salem, N.C.

- RICE, JOB C. (S JOA-M. DY), TECH. ASSL., TRESIGN CLEAR CO., WINSON-Salem, N.C.
 RICE, JOHN F. (M'58), Elec. Prod. Engr., Sanborn Co., 175 Wyman St., Waltham 54, Mass.
 RICE, JOSEPH A., JR. (M'57), Sr. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 RICE, JOSEPH E. (SM'56), Planning Officer, Boston Naval Shipyard, Boston 29, Mass.
 RICE, JOSEPH P. (M'52), Sr. Project Engr., Harman-Kardon, Inc., 520 Main St., Westbury, L.I., N.Y.
 RICE, KENNETH L. (A'59), Engrs. Asst., Microwave Associates, Inc., Northwest Industrial Park, Burlington, Mass.
 RICE, LEONARD W., JR. (M'58), Supvr., Project Technician Group, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
- RICE, LESTER (A'52), Sales Engr., Westinghouse Elec. Corp., Elmira, N.Y. RICE, LEWIS W. (A'3B-VA'39), Engrg. Dept., WTOP, Inc., Broadcast House, 40 & Brandywine Sts., Washing-ton 16, D.C.

- ton 16, D.C.

 RICE, LINCOLN P. (S'50-A'51-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill , N.J.

 RICE, LORRIE S. (A'54), Engr., Transcontinental Gas Pipe Line Corp., 3100 Travis St., Houston, Tex.

 RICE, PETER (A'41), Chicago Police Radio, 1121 S.

 State St., Chicago, III.

 RICE, PHILIAR G. (M'55), Electronics Engr., FAA, Will Rogers Field, Oklahoma City, Okla.

 RICE, PHILIP J. (SM'49), Mgr., Electron Devices Lab., Stanford Research Institute, Menlo Park, Calif.

 RICE, PHILIP L. (M'52), Physicist. Natl. Sureau of Stan-
- RICE, PHILIP L. (M'52), Physicist, Natl. Sureau of Standards, Central Radio Propagation Lab., Tropospheric Analysis Sect., Boulder, Colo.
- RICE, RALPH V. (A'56), Bell Tei. Labs., Whippany, N.J.

- RICE, RAYMOND P. (S'55-M'58), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 RICE, RICHARD A. (S'54-M'58), Elec. Engr., Philco Corp., C & Tiopa Sts., Philadelphia 34, Pa.

 RICE, ROBERT E. (M'59), Sr. Engr., Northrop Aircraft, Inc., 8000 Woodley Ave., Van Nuys, Calif.

 RICE, ROBERT G. (S'54-A'55), Electronics Service Engr., Westinghouse Elec. Corp., 80x 1897, Baltimore, Md.

 RICE, ROW. (M'58), 1218 E. 184, Seattle 55. Wash.

 RICE, SAMUEL M. (S'41-A'43-M'46), Engr., Specialist, Radioplane Co., 8000 Woodley, Van Nuys, Calif.

 RICE, STEPHEN O. (SM'47-F'53), Mem. Tech. Staff, Bell Tel. Labs., Muray Hill, N. J.

 RICE, WILLIAM D. (S'58-M'59), Elec. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 RICE, WILLIAM F. (M'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 RICEMAN, ELLIOT A. (S'56-M'57), Engr., Raytheon Mfg. Co., Wayland, Mass.

- Co., Wayland, Mass. RICEMAN, SUMNER (S'48-A'49-M'55), Electronics Engr., Raytheon Mfg. Co., Wayland, Mass. RICH, ALAN L. (A'53-SM'57), Sr. Research Engr., Fair-child Camera & Instrument Corp., 5 Aerial Way, Syosset,
- RICH, ALEXANDER P. (A'44-M'49), Supvy. Electronics Engr., U. S. Naval Missile Center, Point Mugu, Calif. RICH, CHARLES E. (A'47-SM'54), Mfg. Mgr., Sperry Electronic Tube Div., Gainesville, Fla. RICH, F. ALVIN (A'47-M'55), Sales Mgr., New England District, Texas Instruments, Inc., 751 Main St., Waltham, Mass.
- SUPPLY STATES THE STAT
- RICH, GERALD C. (A'36-SM'49), Lab. Mgr., Microwave Tube Lab., Sylvania Elec. Prods., Inc., Mountain View,
- Calif.

 RICH, GERALD H. (S'50-A'55), Dev. Engr., Research & Advanced Dev. Div., Avco Mfg. Corp., 201 Lowell St., Wilmington, Mass.

 RICH, JOHN C. (A'56), Instr., Tampa Tech. Institute, Peter O. Knight Airport, Tampa, Fla.

 RICH, JOSEPH A. (SM'57), Physicist, Research Lab., GE Co., Schenectady, N.Y.

 RICH, KELVIN J. (M'57), Sr. Engr., Telecomputing Corp., 1283B Saticoy St., North Hollywood, Calif.

 RICH, LEONARD G. (M'51), Sr., Project Engr., Roth Lab. for Physical Research, 1240 Main St. Hartford, Conn.

- RICH, LEWIS C. (M'56), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y. RICH, PHILIP A. (A'47), Project Engr., ITT Labs., Nutley 10, N.J.

- RICH, PHILIP A. (A'47), Project Engr., 111 Labs., Nutrey 10, N.J.
 RICH, PHILIP L. (S'52-M'56), Electronics Engr., Ampex Corp., 860 Charter St., Redwood City, Calif.
 RICH, ROBERT S. (A'50), Genl. Mgr., Rich Electronics, Inc., 212 N. B Ave., Miami, Fila.
 RICHARD, C. DANIEL, JR. (M'52), Supvr., Electronic Lab., Superior Tube Co., Norristown, Pa.
 RICHARD, C. HARLES A., JR. (A'55), Sr. Electronics Engr., 117 Labs., Nutley 10, N.J.
 RICHARD, CHARLES W. (A'21-M'26-SM'43), Retired, Sparta Country Club., Sparta, Ill.
 RICHARD, PAUL R. (A'54), Engr., Stavid Engrg., Inc., Hwy. 22, Plainfield, N.J.
 RICHARD, ROBERT I. (A'53-SM'58), Research Assoc., Radiation Lab., Institute for Cooperative Research, The Johns Hupkins Univ., Baltimore 2, Md.
 RICHARD, ROBERT L. (A'58), Sr. Electronics Technician, Dictaphone Corp., 375 Howard Ave., Bridgeport, Conn.
 RICHARD, SAMUEL J. (M'53), Publication Engr., Con-
- Dictaphone Corp., 375 Howard Ave., Bridgeport, Conn. RICHARD, SAMUEL J. (M'53), Publication Engr., Consultants & Designers, Inc., 650 11 Ave., New York 36, N.Y.
 RICHARD, VICTOR W. (A'43-M'55), Electronics Engr., Ballistic Research Lab., Aberdeen Proving Ground, Md. RICHARDS, AL A. (A'56), Owner, Richards Radio Co., 1204 State Ave., Kansas City 2, Kan.
 RICHARDS, AMYLE P. (SM'47), Asst. Head Engr., Under sea Warfare Branch, Bureau of Ships, Navy Dept. 18 St. & Constitution Ave., N.W., Washington 25, D.C.
 RICHARDS, CHARLES B. (A'43-M'55), Sr. Project Engr., Magnovox Co., 2131 Bueter Rd., Ft. Wayne 4, Ind.
 RICHARDS, CHARLES B. (S'57-M'59), Jr. Engr., Bendix Aviation Co., 11600 Sherman Way, North Hollywood, Calif.
 RICHARDS, ONNALD K. (S'57-M'58), Instr., Elec. Engrg.

- Calif.

 RICHARDS, DONALD K. (S'57-M'58), Instr., Elec. Engrg.
 Univ. of Toledo, Toledo 6, Ohio.

 RICHARDS, DONALD W. (A'58), Communications Chief,
 City of Tucson, Box 5077, Tucson, Artz.

 RICHARDS, DWIGHT B. (S'51-A'54), Engr., Bendix Systems Div., 3300 Plymouth Rd., Ann Arbor, Mich.

 RICHARDS, EDWARD G. (S'56-M'59), Electronics Engr.,
 Stavid Engrg., Inc., Plainfield, N.J.

 RICHARDS, EDWARD S. (S'53-A'54), Mem. Tech. Staff,
 Hughes Aircraft Co., Los Angeles 45, Calif.

 RICHARDS, GEORGE A. (A'48-M'55), Chief Engr., R. H.

 Nichols, Ltd., 4544 Dufferin St., Downsview, Ont.,
 Canada.
- Canada.

 RICHARDS, GEORGE F. (M'47), V.P. & Treas., Teletronics
 Lab., Inc., 54 Kinkel St., Westbury, L.I., N.Y.

 RICHARDS, GERALD P. (S'50-M'56), Sr. Elec. Engr.,

 ITT Labs., Nutley 10, N.J.

 RICHARDS, GLENN L. (S'53-A'54), Telecommunications
 Research Engr., Stromberg-Carlson Co., 100 Carlson Rd.,

 Rochester 3, N.Y.

 RICHARDS, HAI BFETF. (S'57-M'58), Flockmolec. Engr.
- RICHARDS , HALBERT E. (S'57-M'58), Electronics Engr., Western Electric , Inc., Chataham Rd., Winston Salem,
- N.C.
 RICHARDS, HANS K. (A'37-VA'39), Assoc. Physicist, Argenee Matl. Lab., Lemont, III.
 RICHARDS, HARDLD F. (A'52), Elec., Engr., A.R.F., Prods., Inc., 7627 W. Lake St., River Forest, III.
 RICHARDS, JAMES (S'55-M'57), Electronics Engr., Martin Co., Baltimore 3, Md.
 RICHARDS, JAMES A. (A'57), City Foreman, American District Telegraph Co., 28-18. 41 Ave., Long Island City, N.Y.
 RICHARDS, JAMES A. K. (A'45-M'48-SM'52), Consulting
- RICHARDS, JAMES A.K. (A'45-M'48-SM'52), Consulting Fngr., 7965 Aldea Ave., Van Nuys, Calif.

- 347 -

- RICHARDS, JEANNE B. (A'57), Engr.-in-Chg., Mathematical & Statistical Group, Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
 RICHARDS, MILTON V. (M'55), Special Rep., AMC Contracts, Philco Com., 1st & Ludlow, Dayton 2, Ohio.
 RICHARDS, PAUL 1. (A'45), Physicist, Tech. Operations, Inc., South Ave., Burlington, Mass.
 RICHARDS, PHILIP A. (A'29-VA'39-M'47-SM'51), Engr., RCA, American Electronic Enterprises, Tokyo Central, Box 219, Tokyo, Japan.

- 219, Tokyo, Japan.
 RICHARDS, PHILIP C. (S'56-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray HIII, N.J.,
 RICHARDS, RICHARD K., (S'43-A'50-M'55), Consulting Engr., Old Troy Rd., Wappingers Falls, N.Y.
 RICHARDS, ROBERT E. (S'55-M'57), Engr., RCA, Camden, N.J.
- RICHARDS, WALTER S. (A'29-VA'39), Owner, Delta Electric Instrument Co., 1203 W. 24 St., Los Angeles 7, Calif.

- RICHARDSON, ALEXANDER E. (A'29-VA'39), Owner, Della Electric Instrument Co., 1203 W. 24 St., Los Angeles 7, Calif.
 RICHARDS, WILLIAM H., JR. (A'57), Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N. Y.
 RICHARDSON, ALEXANDER E. (S'51-A'52-M'5B), 41
 Hazelwood Ave., Livinyston, N. J.
 RICHARDSON, ALEXANDER S. (M'50), Chief Engr.,
 R.E. S. A., RCA, Calle Arce 1293, San Salvador, El Salvador, Central America.
 RICHARDSON, ALEXANDER S. (M'56), Asst. Prof., Civil Engrg., Tufts Univ., Medford, Mass.
 RICHARDSON, AVERY G. (A'25-M'29-SM'43-F'56), Mdr., Tech Services, ITT Labs., Nutley 10, N.J.
 RICHARDSON, BURT (M'58), Electronics Engr., (Code 4125), Paclific Missile Range, U.S. Naval Missile Center, Point Mugu, Calif.
 RICHARDSON, BURTON W. (M'57), Instr., Semiconductors, Grad, Engrg. Trng., Western Electric Co., 1281 W. 4 St., Winston-Salem, N.C.
 RICHARDSON, CHARLES M. (A'46-M'55), Sr. Components Engr., Sperr Gyroscope Co., Great Neck, L.I., N.Y.
 RICHARDSON, DAVID J. (M'52), Electronics Engr., FAA, W-630, Washington 25, D.C.
 RICHARDSON, DAVID J. (M'58), Electronics Engr., FAA, W-630, Washington 25, D.C.
 RICHARDSON, DAVID J. (M'58), Staff Engr., The Ramo-Wooldridge Corn., Patrick AF B, Fla.
 RICHARDSON, EDWARD W. (M'58), Staff Engr., The Ramo-Wooldridge Corn., Patrick AF B, Fla.
 RICHARDSON, EDWARD W. (M'58), Engr., ITT Labs., Nutley 10, N. J.
 RICHARDSON, EDWARD W. (S'51-A'54-M'56), Sr. Engr., Haller Raymond & Brown, Inc., State College, Pa.

- Nutley 10, N.J.
 RICHARDSON, EMORY (S'51-A'54-M'56), Sr. Engr., Haller,
 Raymond & Brown, Inc., State College, Pa.
 RICHARDSON, FRANK A. (A'58), Mem. Tech. Staff, Bell
 Tel. Labs., Whilppany, N.J.
- RICHARDSON, FRANK L. (M¹48), Engrg. Sect. Head, Sperry Utah Engrg. Lab., 322 N. 21 St., W., Salt Lake City, Utah.
- City, Utah.

 RICHARDSON, GEORGE G. (A'51-SM'57), Supvr., Microwave Sales, Kellogg Switchboard & Supply Co., 100

 Kingsland Rd., Clifton, N. J.

 RICHARDSON, GLEN A. (A'42-M'46-SM'53), Prof. & Head, Elec. Engrg. Dept., Worcester Polytechnic Institute, Worcester, Mass.

- Institute, Worcester, Mass.

 RICHARDSON, HARRY W. (A'54-S'55-M'57), Maj., USAF., Communications Officer, Hors. 10th Tactical Recon. Wg., APO 123, New York, N.Y.

 RICHARDSON, HENRY M. (SM'52), Consulting Engr., DeBell & Richardson, Inc., Hazardville, Conn.

 RICHARDSON, HOWARD L. (SM'53), Sr. V.P., Sylvania Elec. Prods., Inc., 1740 Broadway, New York 19, N.Y. RICHARDSON, JACK G. (A'52), Purch. Busacker Electronic Equipment Co., Inc., 1216 W. Clay, Houston 19, Tex.

 RICHARDSON, JOHN M. (SM'56), Chief, Microwave Physics Sect., Boulder Labs., Natl. Bureau of Standards, Boulder, Colo.

 RICHARDSON, JOHN R. (M'58), Proiest Forc. Sinclair
- RICHARDSON, JOHN R. (M'5B), Project Engr., Sinclair Radio Labs., Ltd., 70 Sheffield St., Toronto 15, Ont., Canada.
- Carlada .

 RICHARDSON , KEITH C . (M¹55) , Field Engr. , Bendix Radio Div. , Towson , Md .

 RICHARDSON , KENNETH (A¹42) , Owner Engr. , Kenneth Richardson Labs. , 254 Vincent Ave. , Lynbrook , L.I. , N.Y.
- N.Y.

 RICHARDSON, MARSTON S. (A'29-VA'39-M'55), Retired, 501 N.E. 50 St., Ft. Lauderdale, Fla.

 RICHARDSON, MARVIN J. (S'58-M'59), Instr., Elec. Engrg. Dept., Univ. of Nebraska, Lincoln, Neb.

 RICHARDSON, PETER W. (M'59), Capt., USAF, Wright Air Development Centry, Wright-Patterson AFB, Ohio.

 RICHARDSON, ROBERT J. (S'52-A'54), Elec. Engr., Polytechnic Research & Development Co., Inc., 202

 Tillary St., Brooklyn 1, N.Y.

 RICHARDSON, ROBERT J. (S'52-A'53), Instr., Dept. of

- RICHARDSON, ROBERT L. (S'52-A'53), Instr., Dept. of Elec. Engrg., Syracuse Univ., Syracuse, N.Y.
 RICHARDSON, ROBERT M. (A'53), Chief Engr., Richcraft Electronic Engrg. Co., Broad Run Dr., Sterling, Va.
 RICHARDSON, RONALD J. (S'54-A'55), Llaison Engr., Honeywell Controls, Ltd., Vanderhoof Ave., Toronto 17, Ont., Canada.
- Ont., Canada.

 RICHARDSON, STEPHEN A. (S'49-A'50-M'55), Project
 Engr., Electronics Div., Monroe Calculating Machine Co.,
 555 Mitchell St., Orange, N.J.
 RICHARDSON, THOMAS F., J.R. (5'49-A'52-M'55), Chief
 Engr., RanDco, Inc., Union Springs, N.Y.
 RICHARDSON, THOMAS L. (S'56-M'57), Research
 Specialist, The Natl. Cash Register Co., Main &
 K Sts., Dayton, Ohio.

- K Sts., Dayton, Ohio.

 RICHARDSON, WILLIAM A. (S'58-M'59), 2nd Lt., USAF, Project Officer, Continuous Wave Systems, Air Force Missile Test Center, ARDC, USAF, Patrick AFB, Fla.

 RICHARDSON, WILLIAM E. (M'56), Dir. of College & Research, Portland Television College, 1017 S.W.

 Washington, Portland, Ore.

 RICHARDSON, WILLIAM G. (A'36-SM'45-F'55), Dir., Engrg., Canadian Broadcasting Corp., Box, B06, Ottawa, Ont., Canada.

- Ont., Canada.

 RICHARDSON, WILLIAM M. (SM'47), Asst. to V.P., BJ
 Electronics, Borg-Warner Corp., 6015 Broad Branch Rd.,
 N.W. Washington 15, D.C.

 RICHARDSON, WILLIAM R. (A'50-M'55), Principal Engr.,
 Bendix Aviation Corp., Baltimore 4, Md.

 RICHART, DONALD H. (M'54), Sr. Elec. Engr., Sylvania
 Elec., Prods., Inc., Box 360, Muncy, Pa.

 RICHAUR, FREDERICK F. (M'59), Dept. of Trans., 232
 St. George St., Moncton, N.B., Canada.

- RICHELIEU, CLYDE C. (A'30-M'49), Sales Mgr., Midwest Div., Stromberg Time Corp., Thomaston, Conn.
 RICHERS, EMIL E. (S'50-A'52-M'57), 5r. Engr., Haller,
 Raymond & Brown, Box 60, State College, Pa.
 RICHERS, LEROY (S'55-A'56), Technician, Martin Co.,
 Box 179, Denver Colo.
- DOX 1/7, VERIVEY COIO.

 RICHESON, WILLIAM E., JR. (S'50-A'53-M'57), System Study Group Head, Magnavox Co., 2131 Beuter Rd., Ft. Wayne 4, Ind.

 RICHESSON, ROGER W. (S'55-M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 RICHEY, EVERETT O. (SM'59), Electronics Engr., School of Avlation Medicine, Randolph AFB, Tex.

 RICHEY, EDIN O. (S'57-MISG), Electronics Engr., State of

- KICHEY, EVERETI O. (SM'59), Electronics Engr., School of Avilation Medicine, Randolph AFB, Tex.

 RICHEY, JOHN O. (S'57-M'59), Elec. Engr., State of Missouri, Jefferson Bldg., Jefferson City, Mo.

 RICHE, S. M. (A'31-VA'39-SM'48), Dev. Coordinator, FAA, Washington 25, D.C.

 RICHE, WILLIAM C. (S'56-M'57), Missile Field Engr., Hughes Aircraft Co., Culver City, Calli.

 RICHMAN, DONALD (S'42-A'45-SM'52), Chief Engr., Consulting & Special Studies Div., Hazeltine Research Corp., Little Neck, L.I., N.Y.

 RICHMAN, GILBERT H. (A'57), Field Engr., Philoc Corp., 22 & Lehigh Awe., Philadelphia 32, Pa.

 RICHMAN, HAROLD R. (A'45-M'53), Electronics Engr., FCC, District 24, Washington 25, D.C.

 RICHMAN, MAX A. (M'51), Sr. Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 RICHMAN, PETER L. (A'48-M'55), Chief Engr., Equipment Div., Epsco, Inc., 588 Commonwealth Ave., Boston, Mass.

 RICHMAN, RICHARD R. (A'52-M'58), Dev. Engr., American
- Mass.

 RICHMAN, RICHARD R. (A'52-M'58), Dev. Engr., American Electronic Lab., 121 N. 7 St., Philadelphia 6, Pa.

 RICHMAN, ROBERT L. (M'56), Electronics Scientist, USN Electronics Lab., San Diego 52, Calif.

 RICHMOND, CHARLES D. (M'58), Sect. Mgr., Marquardt Aircraft Co., 2709 N. Garey Ave., Pomona, Calif.

 RICHMOND, CURTIS H. (S'56-M'58), Elec. Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 RICHMOND, GEORGE E. (S'49-A'51-M'55), Research Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N.Y.

- Buttato 21, N.Y.

 RICHMOND, HAROLD B. (A'14-M'23-F'29XL), 100
 Memorial Dr., Cambridge 42, Mass.

 RICHMOND, IRVING D. (S'49-A'49), Design Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 RICHMOND, JACK H. (S'49-M'56-SM'59), Assoc. Prof., Dept. of Elec. Engrg., Ohio State Univ., Columbus 10, Ohio.
- Ohio.
 RICHMOND, JOHN F. (S'56-A'57), Customer Engr., IBM, 220 Church St., New York, N.Y.
 RICHMOND, LAURENCE P. (A'25-M'44-SM'46), Asst. Chief, Electronics Components Lab., Cmdr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Development Center, Wright-Patterson AFB, Ohio.

 RICHMOND, MARTIN R. (A'47-M'55), Exec. V.P., Dir.,
 Systems Dev., Sanders Associates, Inc., 137 Canal St.,
 Nashua, N.H.

 RICHMOND, RICHARD E. (A'5B), Partner, Radio & Electronic Service Co., Gainesville, Fla.

 RICHMOND, ROBERT B. (SM'53), Engr., Genl. Radio
 Co., 22 Baker St., West Concord, Mass.

 RICHTER, ALLEN R. (M'47), Asst. Dir., Office of Telecommunications Services, American Natl. Red Cross, 617
 E. Franklin St., Richmond 19, Va.

 RICHTER, EDMUND (M'5B), 11 Belle Ayre Blvd., Toronto 7,
 Ont., Canada.

 RICHTER, EDWIN (M'45), 11 Belle Ayre Blvd., Toronto 7,
 Ont., Canada.

 RICHTER, EDWIN (A'46-M'55), Dir., Microwave Systems

- Unt., Canada.

 RICHTER, EDWIN (A'46-M'55), Dir., Microwave Systems Group, Ewen-Knight Corp., 206 A St., Needham 94, Mass. RICHTER, ELVIN O. (A'53), Staff Scientist, Lockheed Aircraft Corp., Palo Alto, Calif.
 RICHTER, ERNEST M., JR. (S'53-A'54), Mem. Tech. Staff, Mughes Aircraft Co., 3801 Artesia St., Fullerton, Calif.
- Calif.
 RICHTER, FILMORE (S'49-A'49-M'55), Project Mgr., Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 37, Pa.
 RICHTER, FREDERIC A. (A'48-M'52), 5520 South Shore Dr., Chicago 37, Ill.
 RICHTER, FREDERICK G. (S'49-A'51), Dev. Engr., Servo Corp., of America, 20-20 Jericho Tpke., New Hyde Park, L.I., N.Y.

- Corp. of America, 20-20 Jericho Tpke., New Hyde Park, L.I., N.Y.

 RICHTER, GUNTER H. (A'56), 52 Putnam St., Somerville, Mass.

 RICHTER, H. K. (A'59), Electronic Engr., Air Shields, Inc., Habboro, Pa.

 RICHTER, HANS E. (M'56), Project Engr., Telephonics Corp., Park Ave., Huntington, L.I., N.Y.

 RICHTER, HARCOL D. (A'53), Pres., Richter Labs., 7950 Hawthome Ave., Miami Beach, Fla.

 RICHTER, HARRY (A'52-M'57), Electronics Engr., Rome Air Development Center, N.Y.

 RICHTER, HENRY L., JR. (SM'58), 4800 Oak Grove Dr., Pasadena, Calif.

 RICHTER, HOWARD H. (A'54) Engr., New York Telephone Co., 140 West St., New York 7, N.Y.

 RICHTER, IRVING P. (A'56), Controller, Modern Photography Magazine 33 W. 60 St., New York, N.Y.

 RICHTER, JOHN G. (A'55), Sr. Project Engr., Tech. Materiel Corp., 700 Fenimore Rd., Mamaroneck, N.Y.

 RICHTER, JOSES J. (M'58), Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cinci.natal 25, Ohio.

 RICHTER, ROBERT E. (S'58-M'59), Engr., Link Aviation, Inc., Binghamton, N.Y.

 RICHTER, ROBERT E. (S'58-M'59), Engr., Hughes Aircraft Co., Culver City, Calif.

 RICHTER, ROBERT E. (S'58-M'59), Engr., Hughes Aircraft Co., Culver City, Calif.

 RICHTER, ROBERT E. (S'58-M'59), Engr., Hughes Aircraft Co., Culver City, Calif.

 RICHTER, RUDOLPH E., JR. (A'56), Transmitter Engr., WMCW, Harvard, III.

 RICHTER, WALTER (SM'44-F'53), Consulting Engr., RCA, Hone: 9056 E. Ccdar Avc., Bellflower, Calif.

 RICHTER, WALTER (SM'44-F'53), Tech. Rep., Dualex Mrs., Acents, Page 15, Pers., William Richter Corp., Mfrs., 'Agents, 790 Linden Avc., Rochester 10, N.Y.

 RICHTER, WALLTER (SM'52), Pres., William Richter Corp., Mfrs., 'Agents, 790 Linden Avc., Rochester 10, N.Y.

 RICHTER, WALLTER (SM'44-F'53), Field Engr., Dualed (Rock), Pres., Canton 2, Ohio
- RICHWALSKI, DONALD J. (S'58-M'59), Field Engr., Die-bold, Inc., Conton 2, Ohio

- RICK, CHRISTIAN E. (A'55), Research Supvr., E.J. du Pont de Nemours, Newbort. Del. RICKARD, LEON D. (A'56), Instr., TV, Natl. Schools, 4000 S. Figueroa, Los Angeles 37, Calif.
- RICKARDS, CHARLES E. (A'55-M'56), Dev. Engr., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.
- RICKER, NORMAN, JR. (M'59), Engr., Airborne Instrument Lab., Inc., Mineola, L.I., N.Y. RICKER, R. KENT (S'56-M'59), 5819 Rousseau, Dayton 24, Ohio
- Z4, Unio RICKERSON, DONALD M. (A'53-M'57-SM'59), Systems De-sign Engr., Dept. of Defense, 4209 Arkansas Ave., N.W., Washington 11, D.C.
- RICKERSON, WILKINS B. (S'57-M'58), 2017 Center St.,

- Washington 11, D.C.

 RICKERSON, WILKINS B. (S'57-M'58), 2017 Center St., Owensboro, Ky.

 RICKERT, HERBERT H. (S'48-A'49-M'55-SM'57), Sr.

 Staff Mem., Genl. Precision Lab., Pleasantville, N.Y.

 RICKETT, ROBERT J. (J'42-A'43-M'54), Physicist,
 Central Research Labs., Red Winc., Minn

 RICKETTS, DONALD B. (S'56-M'58), Ensign, USN, Engrg.,
 Duty Officer, Mare Island Naval Shipyard, Valleip. Calif.

 RICKETTS, JOHN C. (M'59), Aero Design Engr., Fairchild
 Aircraft & Missile Div., Hagerstown, Md.

 RICKETTS, LUTHER W. (M'54), Sr. Engr., Magnavox Co.,
 1505 E. Main, Urbana, III.

 RICKETTS, LUTHER W. (M'54), Sr. Engr., Magnavox Co.,
 1505 E. Main, Urbana, III.

 RICKETTS, PERCY E. (M'52-SM'54), Sect. Chief, Communications & Data Link Evaluations, FAA, Natl. Facilities Exp.
 Center, Atlantic City, N.J.

 RICKEY, ROBERT G. (S'53-A'54), Instrumentation Engr.,
 Lockheed Missile Systems Div., Box 504, Sunnvvale, Calif.

 RICKORDS, TOMMY J. (S'56-M'57), Engr., Litton Industries,
 336 N. Foothill Rd., Beverly Hills, Calif.

 RIDDEL, ALFRED I. (A'50), Quality Control Technician,
 Ampex Corp., 934 Charter St., Redwood City, Calif.

 RIDDELL, RICHARD B. (A'59), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 RIDDELL, ROBERT S. (M'56), Engr., "A" Canadair, Ltd.,
 Cartierville, P.Q., Canada.

 RIDDERSTRAND, LARS-GOSTA I. (A'56), Research Engr.,
 A.B. Gas Accumulator, Lidingo, Sweden.

 RIDDLE, FRED M. (S'47-A'50-M'56), Sr. Research Engr.,
 A.B. Gas Accumulator, Lidingo, Sweden.

 RIDDLE, LINDSEY, G. (SM'52), Chief Engr., WDSU Broadcasting Corp., 520 Royal St., New Orleans 16, La.

- Calif.

 RIDDLE, LINDSEY G. (SM'52), Chief Engr., WDSU Broad-casting Corp., 520 Royal St., New Orleans 16, La.

 RIDDLE, PAUL (A'51), Engr., GE Co., Utica, N.Y.

 RIDENOUR, PAUL W. (M'49-S'54-M'57), Lt. Col., USAF,

 Chief of Div., Operations Staff, Hors., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- RIDENOUR, WILLIAM S. (J'29-A'30), Chief, Terminal Control Sect., Bureau of Air Traffic Mngt., FAA, Wash ington 25, D.C.
- ington 25, D.C.

 RIDEOUT, HERBERT A. (A'54-M'56), Electronics Engr.,
 Pickard & Burms, Inc., 240 Highland Ave., Needham., Mass
 RIDEOUT, VINCENT C. (M'44-SM'53), Prof., Elec. Engrg.,
 Univ. of Wisconsin, Madison 6, Vis.
 RIDER, DONALD V. (M'48), Head, Equipment Design Sect.,
 Peripheral Equipment Dept., Datamatic Corp., 151 Needham
 St., Newton Highlands 61, Mass.

- RIDER, FRED E. (A'48-5M'52), Chief Engr., WCKR Radio, 1401 North Bay Causeway, Miami 38, Fla. RIDER, JOHN F. (A'23-V-4/39), Pres. & Sales Mgr., John F. Rider Publisher, Inc., 116 W. 14 St., New York 14, N.Y.
- RIDER, KEITH B. (A'58), Tech. Rep., Field Engr., Philco Corp., 22 & Lehigh Ave., Philadelohia, Pa. RIDER, LYNN S. (S'50-A'51-M'57), Dev. Engr., GE Co., Ithaca, N.Y.

- Ithaca, N.Y.

 RIDGELY, NEVILLE R., JR. (S'42-A'44-M'55), Engr., RCA, Camden, N.J.

 RIDGEWAY, FRANK B. (M'47), Dir., Engrg., WEBR, Inc., 23 North St., 8uffalo 2, N.Y.

 RIDGILL, JOSEPH R. (A'54-M'59), Dept. Chief, Statistical Quality Control Engrg. & Inspection Dev., Western Electric Co., Winston-Salem, N.C.

 RIDINGER, HAROLD J., JR. (M'58), Engrg. Writer, Thompson-Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Los Angeles, Calif.

 RIDINGER, JAMES J. (S'56-M'58), Staff Mem., Sandia
- LUS Angeles , Calli.
 RIDINGER , JAMES J. (S'56-M'58), Staff Mem., Sandia
 Corp., Sandia Base, Albuquerque, N.M.
 RIDINGS , GARVICE H. (M'45), Telefax Research Engr.,
 Western Union Telegraph Co., 60 Hudson St., New York
- Western Union Telegraph Co., 60 Hudson St., New Yor 13, N.Y. RIDINGS, RICHARD V. (S'57-M'59), 6907 Winchester Dr., Northwoods 20, Mo.

- Dr., Northwoods 20, Mo.

 RIDLEY, FRANK E. (SM'58), Mgr., Hunter's Point Test
 Facility, Lockheed Aircraft Corp., Sunnyvale, Calif.
 RIDOUT, CERALD W. (S'56-M'59), Assoc. Engr., Douglas
 Aircraft Co., Santa Monica, Calif.
 RIDOUT, JOHN R. (A'56), Tech. Editor, Canadian GE.
 Co., Ltd., 830 Lansdowne Ave., Toronto, Ont., Canada.
 RIDSDALE, REGINALD E. (M'55), Dir., Education, Western
 Radio Electronic Television Schools, Ltd., 1065 Howe St.,
 Vancouver, B.C., Canada.
 RIE, CLAUDE L. (A'56), Recording Engr., Mechanomusic
 Co., 43 W. 61 St., New York, N.Y.

 RIEBMAN, LEON (S'43-A'45-M'51), Dir. Engr., America
- RIEBMAN, LEON (S'43-A'45-M'51), Dir., Engrg., American Electronic Labs., 121 N. 7 St., Philadelphia 6,
- RIECHMAN, STANLEY D. (M'58), Field Engr., Natl. Scientific Labs., Inc., 2010 Massachusetts Ave., N.W., Washington, D.C.
- REDEL, JOHN C. (A'52-M'56), Sr. Project Engr., Endevco Corp., 161 E. Califomla, Pasadena, Calif. REDERS, ARTHUR T. (S'53-A'56), Systems Engr., Ray-theon Mig. Co., Waltham 54, Mass.
- RIEG, RAYMOND V. (M¹56), Engr., Electronic Maint., Dhahran Dist., Communications, Arabian American Oll' Co., Dhahran, Saudi Arabia.
- Co., Dhahran, Saudi Arabia.
 RIEGE, C., RALPH (M'59), Systems Engr., Lockheed Aircraft Corp., Burbank, Calif.
 RIEGEL, RICHARD B. (S'49-A'49-M'56), Radiographic Project Engr., Curtiss-Wright Corp., Princeton, N.J.
 RIEGELHAUPT, NORBERT H. (S'54-M'56), EPSCO, Inc., 275 Massachusetts Ave., Cambridge, Mass. 275 Massachusetts Ave., Cambridge, Mass. RIEGER, REUBEN W. (S'58-M'59), Box 6022, Ft. Bliss, Tex.

- RIEGER, WILLIAM H. (M'59), Project Engr., Hammond Organ Co., 2915 N. Western Ave., Chicago, III. RIEGLE, GERALD W. (A'52), Sales & Design Engr., Don Cook's Electronic Equipment Co., 1020 W. Truman Rd., Independence, Mo. RIEGLEMAN, DONALD D. (S'57-A'58), Service Engr., GMC. Kökomo. Ind.

- GMC, Kokomo, Ind.
 RIEGLER, RALPH L. (\$'52-A'56), Applications Engr.,
 Tung-Sol Electric, Inc., East Orange, N.J.
 RIEHS, RUDOLPH C. (\$M'58), Electronic Engr., Dir.,
 Transmission Facilities Div., U.S. Army Signal Engrg.
 Labs., Ft. Monmouth, N.J.
- ELEM FOREST O. JR. (S'50-A'51), Asst. Genl. Mgr. & Chief Engr., West Coast Sound, 1721 N. Vermont Ave., Los Angeles 27, Calif.
 RIEKELS, HENRY E., JR. (S'56-A'58), Chief Audio Technician, West Michigan Sound Co., 1932 Peck St., Muskegon, Mich.
- MULSINGON, MICH.

 RIEKER, JOHN (A'59), Research Asst., Biological Sciences
 Dept., Florida State Univ., Tallahassee, Fla.

 RIEL, ROY W. (M'56), Assoc. Engr., Raytheon Mfg. Co.,
 225 Crescent St., Waltham 54, Mass.

 RIEMAN, FRANCIS C. (S'56-M'58), Analysis Engr.,
 Marquardt Aircraft Co., 16555 Saticoy, Van Nuys,
 Calif.

- Calif.

 RIEMENSCHNEIDER, NORMAN L. (M'54), Pres., NLR
 Associates, 19 Lenox Ter., West Orange, N.J.,

 RIEMENSCHNEIDER, WILLIAM W. (S'53-A'55), Design
 Engr., GE Co., Utica, N.Y.

 RIEMERSMA, HENRY (M'57), Engr., Westinghouse Elec.
 Corp., Pittsburgh, Pa.

 RIENERTH, GEORGE R. (M'57), Special Process Engr.,

 Natl. Acmc Co., 170 E. 131 St., Cleveland 8, Ohio.

 RIEPKA, HELLMUTH C. (M'55-SM'55), Mem. of Bd.,

 Steatit Magnesia A.G., Kalser Str. 23, Porz (Rhein),
 Germany.
- RIES, CARL A. (SM'56), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 RIES, FRANCIS X. (M'58), Electronics Scientist, Natl.
 Bureau of Standards, Boulder, Colo.
 RIESEL, HERBERT (A'46), 60 Bograshow St., TelAviv, Israel.
 RIESTER HIREET A. (ALES).

- All State L. Harden H. (M-93), Sr. Research Engr., American Meter Co., 13500 Philmont Ave., Philadelphia 16, Pa. RIESTER, HUBERT A. (M'53), Sr. Research Engr., American Meter Co., 13500 Philmont Ave., Philadelphia 16, Pa. RIESZ, ROBERT R. (SM'58), Mem. Tech. Staff, Bell Tel, Labs., Murray Hill, N.J. RIETH, HAROLD F. (A'30), Sr. Research Engr., Packard Bell, 12333 W. Olympic Blvd., Los Angeles, Calistic RIETHOF, THOMAS R. (M'58), Physicist, Missile & Space Vehicle Dept., GE Co., 3750 D St., Philadelphia 24, Pa. RIETMEYER, HENDRIK W.F. (M'58), Engr., W.L. Maxson Corp., 460 W. 34 St., New York 1, N.Y. M.L. Maxson Corp., 460 W. 34 St., New York 1, N.Y. (Labs.) Radio Engrg. Institute, 3224 16 St., N.W., Washington 10, D.C.

- RIEWALD, ROGER J. (S'57-M'58), Fleld Engr., Hughes Aircraf: Co., Culver City, Calif. RIFE, WAYNE E. (A'47-SM'53), Project Leader, Battelle Memorial Institute, 505 W. King Ave., Columbus 1, Ohio.
- Melioral Insurance, 505 w. King Ave., Columbus 1, Onlo RIFFLE, LEA V. (A'46), Test Equipment Designer, Doug-las Aircraft Co., Long Beach, Callf. RIFKIN, MAURICE (M'56), Engr. Genl. Precision Lab., Inc., Pleasantville, N.Y. RIFKIN, MURRY S. (M'49), Engrg. Consultant, Teletest Instrument Corp., 120-20 Roosevelt Ave., Flushing 68, L.I., N.Y.
- L.I., N.Y.

 RIFK(ND, HOWARD M. (S'57-M'58), Electronics Engr.,

 New York Naval Shipyard, Brooklyn I, N.Y.

 RIFK(ND, JESSE (S'53-A'54), Mem. Tech. Staff, Hughes

 Aircraft Co., Culver City, Calif.

 RIG8Y, RICHARD T. (S'54-A'54-M'59), Design & Dev.

 Engr., Hazeline Electronics Corp., Little Neck, L.I.,

 N.Y.

- N.Y.
 RIGBY, SHERMAN (S'46-A'49-M'55), Dir., Research,
 ADAGE, 292 Main St., Cambridge 42, Mass.
 RIGDA, GERALD (S'58-A'59), Telemetry Technician, Lockheed Missiles & Space Div., Sunnyvale, Calif.
 RIGDON C. ALLEN (S'47-A'48-M'55), Project Engr.,
 Melpar, Inc., 2610, Jefferson Davis Hwy., Alexandria, VA.
 RIGG, G. LLOYD (SM'53), Mem. Tech. Staff, Space Technology Labs., 5730 Arbor Vitae St., Los Angeles 45, Calif.
 RIGG, RICHARD W. (M'54), V.P., Merchandizing, AmericanSaint Gobain Corp., Blue Ridge Glass, Kingsport, Tenn.
 RIGGEN, THEODORE K. (M'54), Consultant, Electronics.

- Saint Gobain Corp., Blue Ridge Glass, Kingsport, Tenn. RIGGEN, THEODORE K. (M'54), Consultant, Electronics, 922 Bridgman St., Elmira, N.Y.
 RIGGINS, GLENN L. (S'56-A'57), Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N.M.
 RIGGINS, MAURICE R. (A'55), Fleid Engr., Cilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif. RIGGS, DENTON D. (S'51-A'55-5M'58), Elec. Engr., Hughes Aircraft, Culver City, Calif.
 RIGGS, HARPY K. (S'57-M'58), Test Engr., Convair, Ft. Worth, Tex.
- Ft. Worth, Tex. RIGGS, JOHN H. (A'36-SM'55), 255 Grimsby Rd., Kenmore 23, N.Y.
- RIGGS , JOHN O. (A'54), Mgr., Industrial & Military Cathode Ray Tubes , Westinghouse Elec. Corp., Box 284, Elmira , N.Y.
- N.T.
 RIGGS PARK F. (S'55-M'56), Engr., Natl. Cash Register
 Co., 1401 E. El Segundo 81vd., Hawthorne, Calif.
 RIGGS, ROBERT N. (S'48-A'50-M'58-SM'58), Group
 Leader, Electronic Systems, Martin Co., Baltimore 3,
 Md.
- MG.
 RIGHTMYER, JACKSON M. (M'55), Cmdr., USN, Staff U.S.
 Naval Postgraduate School, Monterey, Callf.
 RIGOGLIOSO, ANTHONY B. (S'54-M'57), Design Engr.,
 Ford Instrument Co., 31-10 Thomson Ave., Long Island
 City 1, N.Y.
- RIGROD, WILLIAM W. (A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J. RIHACZEK, AUGUST W. (M'59), 3900 Mobile Ave., El
- Paso, Tex, RIKER, CHESTER E. (A'57), 72 Mill St., Angola, N.Y. RIKER, WILLIAM E. (S'50-A'51-M'56), Chief Engr., Holmes Electric Protective Co., 370 7 Ave., New York,
- N.Y.
 RILEY, ARTHUR J. (M'54), Chref Engr., Ronson Electric
 Shaver Corp., Commerce Rd., Stamford. Conn.
 RILEY, CHARLES L., JR. (S'50-M'56), Project Design
 Dev. Mgr., Martin Co., Orlando, Fla.

- RILEY, DENTON (A'57), Sub-Foreman, Canadian Westing-house, Ltd., Electronics Div., Longwood Rd., Hamilton, Ont., Canada. RILEY, EUGENE C. (A'59), Atlanta Dir., Eikins Radio License School of Atlantic. 1139 Spring St., N.W., Atlanta 9, Ga.

- Attaina 9, Ga.

 RILEY, GEORGE B. (A'40-SM'54), Supvr., WOR-TV,
 1440 Broadway, New York 18, N.Y.

 RILEY, HARLAN E. (A'50), Owner, East Texas Electronics,
 Box 55, 1101 Nacogdoches St., Center, Tex.

 RILEY, JACK C. (A'45-M'55), Dir., Tech. Services,
 Electro-Measurements, Inc., 7524 S.W. Macadam Ave.,
 Portland 19, Ore.
- Portland 19, Ore,

 RILEY, JACK H. (A'56), Engr., Texas Instruments, 6000
 Lemmon Ave., Dallas, Tex.

 RILEY, JOHN M. (A'56), Group Leader, Lockheed
 Missile Div., 3251 Hanover Rd., Palo Alto, Callf.

 RILEY, LESTER A. (A'56), Electronics Engr., Diamond
 Ordnance Fize Labs., Washington 25, D.C.

 RILEY, MARION H., JR. (S'57-M'58), Engr., Western
 Electric Co., Burlington, N.C.

 RILEY, OLIVER V. (M'46), Pres., The Chrondek Co.,
 2151 D. St., LaVerne, Callf.

 RILEY, PAUL J. (M'458-SM'59), Design Engr., RCA, Camden
 2, N.J.

 RILEY, RAY L. (S'53-A'55-M'57), Elec. Engr., Inc.

- 2, N.J.,
 RILEY, RAY L. (S'53-A'55-M'57), Elec. Engr., Hughes
 Aircraft Co., Culver City, Calif.
 RILEY, ROBERT L. (A'59), Engr., RCA, Camden, N.J.
 RILEY, ROBERT M. (A'52-M'577), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.
 RILEY, ROBERT N. (A'44-M'55), Design Engr., Westinghouse
 Elec. Corp., Box 746, Baltimore 3, Md.
 RILEY, ROBERT T. (S'58-M'59), Electronics Engr., Kaiser
 Aircraft & Electronics, 850 San Antonio Rd., Palo Alto,
 Calif.
 RILEY, RUSSELL B. (M'57), Microwave Engr., Hewlett-
- Calif.

 RILEY, RUSSELL B. (M'57), Microwave Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 RILEY, WALLACE B. (S'56-M'58), Engr., Prod. Dev. Lab., IBM, Poughkeepsie, N.Y.

 RILEY, WALLACE E. (A'58), 136 Acton St., Watertown 72, Mass.
- mass. RILLING, JACOB C. (A'54), Industrial Electronics, G.E. Realty Corp., 570 Lexington Ave., New York 22, N.Y. RIMAI, EMANUEL (M'56), 2090 Barnes Ave., Bronx 62, N.Y.
- N.Y.
 RIMLINGER, DONALD C. (S'56-M'58), Test Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
 RIMMLER, FREDERICK F. (A'51), Plant Mgr., Volkert
 Stampings, Inc., 222-34 96 Ave., Queens Village 29,
 L.I., N.Y.

- RIMMLER, FREDERICK F. (A'51), Plant Mgr., Volkert Stampings, Inc., 222–34 96 Ave., Queens Village 29, L.I., N.Y.

 RINAUDO, RAYMOND F. (A'54), Electronics Engr., Eitel-McCullough, Inc., San Bruno, Calif.

 RINDBO-PETERSEN, ERLING (S'56-M'57), Engr., Danavox, Lers Parkalle 112, Copenhagen O, Denmark.

 RINDER, ROBERT M. (A'55), Engr., Digitronics, 35–10 36 Ave., Long Island City, N.Y.

 RINEER, RIVIN (A'53), Mech. Engr., Natl. Cash Register, S. Main St., Dayton, Ohio.

 RINEHART, BEN H. (A'36-VA'39), Chief Engr., Northeast Wyoming Braodcasters, Inc., Newcastie, Wvo.

 RINER, WILBUR L. (M'58), 927 Neal Rd., Endicott. N.Y.

 RINES, DAVID (A'19-VA'39-M'55)(L.), 10 Post Office Sq., Boston 9, Mass.

 RINES, ROBERT H. (SM'55), Lawyer, Rines & Rines, 10 Post Office Sq. Boston 9, Mass.

 RINES, ROBERT H. (SM'55), Lawyer, Rines & Rines, 10 Robert Color, St. Jerome, P.Q., Canada.

 RING, ANDREW D. (A'26-VA'39), Partner, A.D. Ring & Associates, 1032 Pennsylvania Bidg., Washington 4, D.C.

 RING, DOLGLAS H. (A'31-VA'39-SM'53), Mem. Tech.

 Staff, Bell Tel. Labs., Red Bank, N.J.

 RING, CHILLIAM F. (M'58), Chief System Design Sect., Air Force Cambridge Research Center, Bedford, Mass.

 RINGEMAN, OTHMAR E. (S'49-A'51-M'56), Prod. Engr., GECo., Tube Works, Tell City, Ind.

 RINGEMAN, OTHMAR E. (S'49-A'51-M'56), Mgr., Artenna & Microwave Sect., Litton Industries, 4910 Calvert Rd., College Park, Md.

- RINGER, HAYDEN N. (S'47-A'49-M'55), Mgr., Advanced Systems, Philoc Corp., 4700 Wissahickon Ave., Phila-delphia 44, Pa.
- RINGER, MORRIS (M'56), Engr., Datamatic Div., Minneapolis-Honeywell Regulator Co., 151 Needham St., Newton Highlands, Mass.
- Newton Highlands, Mass.

 RINGER, ROBERT L., JR (M'44), Owner, R.L. Ringer
 Co., Box 114, Glen Rock, N. J.

 RINGHAM, GORDON B. (M'37-SM'43), Joint Mgr. & Chief
 Engr., Redifon, Ltd., Electronic Control Div., Broomhill
 Rd., Wandsworth, London, S.W. 18, England.

 RINGLAND, JACK F. (A'56), Engra. Asst., Collins Radio
 Co., Cedar Rapids, Iowa.

 RINGLAND, ROBERT F. (S'56-M'59), Dynamics Engr.,
 Convair Astronautics, San Diego, Calif.

 RINGLAND, ROBERT S. (A'43-SM'52), Elec. Equipment
 Design Engr., GE Co., Winfield & Sanders Ave., Scranton,
 Pa.

- Design Engr., GE Co., Winfield & Sanders Ave., Scranton, Pa.

 RINGLEE, ROBERT J. (S'45-A'47-M'55), Supvr., Design Engrs., GE Co., 100 Woodlawn Ave., Pittsfield, Mass. RINGLER, DONALD H. (A'57), Electronics Lab. Technician, Naval Research Lab., Washington 25, D.C.

 RINGO, KENT A. (S'47-A'50-M'54-SM'56), Project Engr., RCA, Moorestown, N.J.

 RINGOEN, RICHARD M. (M'52-SM'55), DIr., Systems Engrs. Div., Collins Radio Co., Cedar Rapids, Iowa.

 RINGROSE, JOHN W. (M'54), Chief Engr., Computer Dept., The Plessey Co., Ltd., Vicarage Lane, Ilford, Essex, England.

 RINGWALT, DAVID L. (A'42-M'52), Head Wave Propagation Branch, Naval Research Lab., Washington 25, D.C.

 RINI, JOSEPH S. (S'57-M'58), Elec. Engr., Teletype Corp., 1400 Wrightwood, Chicago 51, Ill.

 RINIA, HERRE (SM'51-F'54), Dir., Research, Philips Research Labs., Kastanjelaan, Eindhoven, Netherlands.

 RINKEL, SHERMAN A. (S'48-M'55), Chief Design Engr., Polytechnic Research & Development Co., Inc., 200 Tillary St., Brooklyn 1, N.Y.

- RINKER, EDWARD A. (A'52-M'58), Supvg. Engr., Mountain States Telephone & Telegraph Co., 625 Silver Ave., S.W., Albuquerque, N.M.
- Albuquerque, N.M.

 RINN, BENJAMIN R. (A'56), Motorola Communications
 & Elec., Inc., 4501 W. Augusta Bivd., Chicago 51, III.

 RINN, ELMER J. J. (A'54), Radio & TV Engr., Western
 Ontario Broadcasting Co., Ltd. (CKLW), Riverside Dr.,
 W., Windsor, Ont., Canada.

 RINSLER, LEO (M'56), Project Engr., IBM, San Jose,
 Calif.

Call .

RIORDAN, EUGENE R. (S'55-M'57), Communications Officer, USAF, 4060th Opr. Sqdn., Dow AFB, Me. RIORDAN, WILLIAM J. (S'57-A'59), 3 Perkins St., Worcester 5, Mass.

Worcester 5, Mass.

RIORDON, J. SPRUCE (5'55-M'57), Jr. Research Officer,
Natl. Research Council, Ottawa, Ont., Canada.

RIORDON, RODERICK C. (5'53-A'54), Scientific Officer,
Defence Research Telecommunications Est. (Electronics
Lab.), Shirley Bay, Ottawa, Ont., Canada.

RIOS, ENRIQUE E. (S'5B-A'59), Oeste 1B #36,
Caracas, Venezuela.

- Caracas, Venezuela.
 RIOS, ESTEBAN Q. (S'54-A'55), Chief Transmitter Engr.
 & Tech. Advisor, Radio-Television YSU, S.A., Ave.,
 Cuscatlan-12a C.P., San Salvador, El Salvador,
- Cuscatlan-12a C.P., San Salvador, El Salvador, Central America.

 RIOUX, VINCENT A. (S'56-M'59), Cadet Enor., Hartford Electric Lipht Co., 410 Sheldon St., Hartford, Conn.

 RIPLEY, JASPER N., JR. (M'56), Electronics Enor., Precision Technology, Inc., 66 "P" St., Livermore, Calif.

 RIPNITZ, ABRAHAM (S'48-A'49-M'55), Design Specialist, Martin Co., Baltimore 3, Md.

 RIPP, HUGO A. (M'57), Color & Black & White TV Studios Maint., CBS-TV, 4B5 Madison Ave., New York, N.Y.

- RIPPERE, JOHN B. (SM'5B), Chief, Communication & Navi-gation Lab., Wright Air Development Center, Wright-Patter-son AFB, Ohio.
- son AFB, Ohio.

 RIPPERGER, E. A. (S'43-A'46), Prof., Engrg. Mechanics, Univ. of Texas, Austin, Tex.

 RIPPIN, DENNIS W. (M'5B), Export Sales Mgr., Astral Electric Co., Ltd., 44 Danforth Rd., Toronto 13, Ont., Canada.
- RIPPIN, JAMES F., JR. (\$M'5B), Electronics Engr., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.

- AFB, Ohio.

 RIPPLE, ELMER G. (M'55), Electronic Material Officer, U.S. Naval Communication Sta., Newport, R.I.

 RIPPLE, JACK R. (A'59), Asst. Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 RIPPLE, JOHN W. (S'52-A'54-M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 RIPPLINGER, THEODORE L. (S'54-M'56), Assoc. Engr., Lockheed Missile Systems Div., 7701 Woodley Ave., Van Nuys, Calif.

 RIPS. FRYUNF M. (A'55), Acet. Page Flag Frage.
- RISER, HENRY N. (S'48-A'55-M'5B), Specialist, Radiologial Applications, 1356 28 Ave., College (A'55-A'55-M'5B), Proc., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

 RISER, CLAIR R. (S'48-A'49-M'55), F. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

 RISER, HENRY N. (S'48-A'49-M'55), Sr. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.

 RISHER, RALPH G. (M'5B), Electronics Engr., Charleston Naval Shipyard, Charleston S. (C. RISING, FRANCIS L. (S'52-A'55-M'5B), Specialist, Radiological Applications, GE Co., Richland, Wash.

 RISK, GEORGE (A'53-M'5B-SM'5B), Pres., Dale Prods., Inc., 1356 2B Ave., Columbus, Neb.

 RISK, JAMES E. (A'46-M'54), Chief Engr., KSD, KSD-TV, The Pulitzer Publishing Co., 1111 Olive St., St. Louis 1, Mo.

- RISK, WILLIAM P., JR. (M'56), Instrumentation Engr., AiResearch Mfg. Co. of Arizona, 402 S. 36 St., Phoenix,

- Ariz.

 RISKA, GARY G. (M'51), Sr. Dev. Engr., Kryton Tubes, CBS Hytron, Danvers, Mass.

 RISKO, FRANK D. (S'58-M'5B), Design Engr., Vicker, Inc., Maple & Crooks Rd., Troy, Mich.

 RISKY, FRANK A. (S'56-M'5B), 4422 W. Fulton St., Chicago 24, III.

 RISLEY, MAX I. (A'55), Staff Transmission & Protection Engr., Northwestern Bell Tel. Co., 100 S. 19 St., Omaita 2, Neb.

- Engr., Northwestern Bell Tel. Co., 100 S. 19 St.,
 Omalia 2, Neb.
 RISON, DONALD M. (S'49-A'54), Field Engr., Western
 Electric Co., Chatham Rd., Winston-Salem, N.C.
 RISSE, JOSEPH A. (A'51-M'57), Dir., School of Electronics, ICS, Scranton 15, Pa.
 RISSER, ARTHUR K. (M'577), Plans & Engrg. Div., Army
 Electronic Proving Ground, Ft. Huachuca, Ariz.
 RISSER, FORREST G. (S'57-A'5B), Operations Clerk,
 Univ. of Illinois, Urbana, Ill.
 RISSL, THEDORRE L. (A'45), Mgr., Rissi Electronic
 Supply Co., 14405 Wyoming Ave., Detroit 3B, Mich.
 RISSLER, HAROLD D. (A'2B-VA'39), Studio Operations
 Suppr., WHO, WHO-PM, Central Broadcasting Co., 1100
 Walnut, Des Moines 9, Iowa.
 RIST, A. E. DAVE (SM'51). Naval Warlare Recearch Conte-
- RIST, A. E. DAVE (SM'51), Naval Warfare Research Center, Stanford Research Institute, Menio Park, Calif. RIST, DONALD H. (M'57), Engr., GE Co., Aubum,

- RIST, DONALD H. (M'57), Engr., GE Co., Aubum, N.Y.
 N.Y.
 RIST, REINHARD E. (M'56), Engr., RCA, Semiconductor Div., Ree. 202, Somerville, N.J.
 RISTOW, HUGO E. (M'46), Research Engr., Univ. of Michigan, Willow Run Airport, Ypsilanti, Mich.
 RITCHART, ROY C. (S'49-A'52-M'577), Asst. Chief Engr., Strmmberg-Carlson Co., 1895 Haucock St., San Diego 12, Calif.
 RITCHEY, LOWIE C. (A'57), District Sales Mgr., GE Co., Communication Prods. Dept., B116 Hampson St., New Orleans 1B, La.
 RITCHEY, NORMAN B. (A'49-SM'55), Sr. Project Engr., Dome & Margolin, 29 New York Ave., Westbury, L.I., N.Y.
 RITCHEY, ORRAL W., (S'51-A'52-M'57), Research Engr., Boeing Aimplane Co., Box 3707, Seattle, Wash.
 RITCHIE, CURTIS A. (M'5B), Assoc. Engr., Chance-Vought Aircalt, Dallas, Tex.
 RITCHIE, RALPH W. (A'55), Instr., Electronic Engrg. Dept., California State Polytechnic College, Kellogg. Campus, Pomona, Calif.
 RITLAND, ROBERT B. (S'57-M'59), Engr., DeKalb-Ogle Telephone Co., 112 W. Elm St., Sycamore, III.
 RITT, PAUL E. (M'57), Mgr., Chemistry Lab., 3000 Arlington Blvd., Falls Church, Va.

- RITTENBURG, STANLEY E. (M'56), Advanced Research Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass. RITTENHOUSE, JOSEPH W. (M'53-SM'54), Tech. Dir., Hi Voltage Equipment Co., 4000 E. 116, Cleveland 5,
- RITTER, BURTON S. (SM'5B), 15509 Septo St., Sepulveda,
- RITTER, EDWARD H. (S'41-A'43-SM'50), Sr. Research
- KII I EK, LUWARD H. (S'41-A'43-SM'50), Sr. Research Engr., Convair, Pomona, Calif. RITTER, EUGENE W. (S'30-SM'43), Assoc. Dir., Stanford Research Institute, Menlo Park, Calif. RITTER, FREDERICK O. (A'47-M'56), Dir., Electronics Supply & Maint., Hgrs., Western Air Defense Force, USAF, Hamilton AFB, Calif.
- RITTER, GUILHERME (A'4B), Airplane Radio Equipment Maint, Chief, Varig, Caixa Postal 243, Porto Alegre, Brazil.

- Brazil.

 RITTER, HOWARD C. (A'46), Technician, KOIN-TV, 140 S.W. Columbia St., Portland, Ore.

 RITTER, LESTER M. (S'55-A'56), Electronics Field Position, Burroughs Coro., Radnor, Pa.

 RITTER, ROBERT E. (A'53), Equipment Engr., Western Electric Co., 514 Elson St., Brooklyn, N, Y.

 RITTER, ROGERS C. (A'54-M'59), Design Engr., Union Carbide Nuclear Co., Box P., Oak Ridge, Tenn.

 RITTER, VERNON H. (A'54), V. H. Ritter, R.D. 1, Clyde, N, Y.

- Clyde, N.Y.
 RITTERHOUSE, CHARLES L. (S'57-M'5B), BO3 Pratt
 Ave., N.E., Huntsville, Ala.
 RITTERMAN, SAUL A. (M'57), Electronics Scientist,
 Picatinny Arsenal, Dover, N.J.
 RITTERSBACHER, JOHN E. (A'50-M'55), Sr. Mem.
 Tech. Staff, Space Technology Labs., Box 95001, Los
 Angeles, Calif.
- Angeles, Cail.

 RITMAN, MASON C. (S'54-M'5B), Elec. Engr., Philoc
 Corp., Philadelphia 44, Pa.

 RITTMAN, WILLIAM R. (S'55-M'57), Field Engr., Minneapolis-Honeywell Regulator Co., Box 3261, Orlando, I
 RITTMANN, ALBERT D. (SM'57), Mgr., Semiconductor
 Device Dev., Delco Radio Div., GMC, 700 E. Firman,
 Kokomo, Ind.
- PITTMEISTER, HAROLDO (M'56), Sales Engr., Ruc Internaci. Do Brasil, Ltds., Av. Sao Joad, 1086, S Paulo, Brazil.
- RITZ, EDGAR A. (A'46), Design Engr., Kitchener Electronic Industries, Ltd., 139 Dundas St., Kitchener, Ont., Canada.

- Industries, Lich., 159 Outloads St., Nitchener, Office, Canada.

 RITZ, WILLIAM A. (A'46-M'49), Head, Missile Div. 1, U.S. Naval Missile Center, Point Mugu, Calif.

 RIVERA, BENIGNO A. (A'52-M'57), Mor., Westrex Co., Caribhean, Box 4509, Panama, Republic of Panama. RIVERA, CARLOS R. (A'53), Elec. Engr., Autoridad de Fuentes Fluviales, San Juan, Puerto Rico.

 RIVERA, EMILIO R. (S'47-A'51-M'58), Evaluation Engr., IBM, Owego, N.Y.

 RIVERA, JOHN J. (A'54), Sr. Designer, ITT Labs., Nutley 10, N.J.

 RIVERA, NELSON (A'5B), Elec. Technician, Systems Engrs. Co., 2015 Wallace St., Philadelphia, Pa.

 RIVERS, JACK L. (S'51-A'53), Asst. Prof., Physics Missouri School of Mines & Metallurgy, Rolla, Mo.

 RIVERS, ROBERT A. (A'45-M'55), Pres., A'rcom, Inc., 354 Main St., Winkhrop 52, Mass.

 RIVERS, ROBERT D. (S'58-M'59), Elec. Engr., Polarad
- RIVERS, ROBERT D. (S'58-M'59), Elec. Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City

- Electronics Corp., 43-20 34 St., Long island City
 1, N.Y.
 RIVERS, THOMAS A. (S'47-A'49-M'5B), Sr. Fleld
 Engr., Western Union Telegraph Co., 1000 Western
 Union Bldg., Atlanta, Ga.
 RIVES, FRANK (SM'5B), Supvr., Mech. Design Unit,
 HMED, GE Co., Syracuse, N.Y.
 RIVES, JAMES B. (A'46-SM'54), Deputy Dir., Engrg.,
 Installations, San Antonio Region Ground Elecronic Engrg.Installations, San Antonio Region Ground Elecronic Engrg.Installations Agency, Kelly AFB, Texas.
 RIVES, TOM C. (SM'4B-F'564), Dir., Syracuse Univ.
 Research Corp., Box 26, Syracuse 10, N.Y.
 RIX, HERBERT D. (SM'59), Assoc. Prof., Physics,
 Pennsylvania State Univ., University Park, Pa.
 RIZOS, JAMES G. (A'49-SM'52), Chief, Operational
 Dev. Div., Wright Air Development Center, Wright-Patterson
 AFB, Ohio.
 RIZZI, PETER A. (S'49-A'55-M'57), Sect. Leader,
- RIZZI, PETER A. (S'49-A'55-M'57), Sect. Leader, Ferrite Devices, Ewen-Knight Corp., 206 A St., Needham,
- Mass.
 RIZZI, SALVATORE R. (S'57-A'59), Service Engr.,
 Datamatic Coro., Needam St., Boston, Mass.
 RIZZO, JOSEPH E. (S'4B-A'50-M'55), Project Engr.,
 Bendix Aviation Coro., Teterboro, N. J.
 RIZZO, SALVATORE J. (A'50), Airborne Engr., Martin
 Co., Box 179 Deriver I, Colo.
- Co., Box 179 Denver 1, Colo.
 RIZZONI, EITEL M. (S'50-A'52-M'57-SM'5B), Systems
 Engr., RCA, Clark, N.J.
 ROACH, CHARLES L. (A'37-M'55), Staff Engr., Protection
 & Foreign Wire Relations, Bell Tel. Co. of Canada, 1050
 Beaver Hall Hill, M ntreal, P.O., Canada
- Deaver nail nill, Minureal, P.O., Canada.
 ROACH, JAMES H. (S'57-M'5B), 1975th AACS Sqdn., APO 117, New York, N.Y.
 ROACH, WILLIAM E. (A'45), Physicist, Pacific Seniconductors, Inc., 10451 W. Jefferson Bivd., Culver City, Calif.
- ROAKE, WILBER C. (S'33-A'34-M'45), Sr. Engr., RCA, Defense Electronics Prods., 75 Varick St., New York 13,
- ROARK, GLENN L. (S'49-A'52-M'56-SM'5B), Dev. Engr., Aerojet Genl. Corp., 6352 N. Irwindale, Azusa, Calif.

- Engr., Aerojet Genl. Corp., 6-32 N. Invindade, Actua, Calif.

 ROARK, LEONARD A. (S'55-M'5B), 1036 B Ave., San Diego IB, Calif.

 ROAST, RICHARD G. (S'57-M'5B), Asst. Engr., Engra. Dept., UCLA, 405 Hilpard, Los Angeles, Calif.

 ROAT, WILLIAM F. (S'55-M'56), Electronics Engr., Sanders Associates, Inc., 95 Canal St., Mashua, N.H.

 ROBARDS, GI ENN A. (M'59), Engra, Supr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

 ROBARGE, ERNESTT. (M'59), Engra, Supr., WKNE

 Corp., Keene, N.H.

 ROBB, A. STUART (SM'5B), Supvr., Radar Maint. Dept., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.

 ROBB, DANIEL E. (A'41-SM'45), Owner, Daniel F.

 Robb, Builder, 1B6BS Wyoming Ave., Detroit 21, Mich.

- ROBB, DAVID D. (M'56), Instr., Elec. Engrg., Univ. of Kansas, Lawrence, Kan. ROBB, ECWARD J. (A'47-M'55), Mem. Tech. Staff, Space Technology Labs., 5500 E. Segundo Blvd., Los Angeles 45, Calif.
- Space Technology Labs., 5500 E. Segundo Bivd., Los Angeles 45, Calif.

 ROBB, JAMES H. (A'51), Supvr., Tech. Data, Receiving Tube Engrg., GE Co., Owensboro, Ky.

 ROBB, LOUIS S. (S'52-A'52-M'57), Electronics Engr., Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo. ROBBERSON, ELBERT L. (A'40), Tech. Writer, Consultant, Owner, Robberson Marine Co., 44 Sintsink Dr., E., Port Washington, L.I., N.Y.

 ROBBIANO, P. PAUL (S'43-A'45-M'50), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 ROBBINS, ALEX (M'52), Chief Engr., Adams Labs., 47-37 Austel Pi., Long Island City 1, N.Y.

 ROBBINS, BILLY A. (M'58), Patent Atty., 650 S. Grand Ave., Los Angeles 17, Calif.

 ROBBINS, CHESTER M. (A'55-SM'56), Project Engr., Philoc Corp., 3875 Fabian Way, Palo Alto, Calif.

 ROBBINS, DOROTHY L. (A'57), Engrg. Electronics Technician, Convair Scientific Research Lab., 5001 Kearny Villa Rd., San Diego, Calif.

 ROBBINS, EARL R. (A'54), Computer Engrg., GE Co., Phoenix, Ariz.

 ROBBINS, FLOYD D. (A'53-M'59), Assoc. Prof., Elec.

- Phoenix, Ariz.

 ROBBINS, FLOVD D. (A'53-M'59), Assoc. Prof., Elec. Engra., Univ. of Washington, Seattle, Wash.

 ROBBINS, GABRIEL J. (A'55), Pres., Progress Electronics Co., 107 Franklin St., New York 13, N.Y.

 ROBBINS, IRVING M. (A'45), Exec. V. P., Interstate Electronics, Inc., 227 Fulton St., New York 7, N.Y.

 ROBBINS, JAMES H. (A'54), Dev. Engr., HMED, GE Co., Syracuse, N.Y.

 ROBBINS, JOHN D. (A'49-M'52-SM'55), Project Engr., Sylvania Elec. Prods., Inc., Emporlum, Pa.

 ROBBINS, LAURENCE W. (A'55), Engr., N.R.C. Equipment Corp., 160 Charlemont St., Newton Highlands 61, Mass.
- Mass.

 ROBBINS, LYMAN S. (A'52-M'57), Project Engr.,
 Radiation, Inc., Melbourne, Fla.

 ROBBINS, MAURICE A. (S'51-A'52-M'56), Project Engr.,
 Canallain Marconi Cu., 2442 Trenton Ave., Montreal 16,
 P. Q., Canada.

- Canadas Marconi Cu., 2442 Trenton Ave., Montreal 16, P. Q., Canada.

 ROBBINS, PHILIP M. (M'54-SM'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 ROBBINS, RAYMOND A. (M'57), Capt., USAF, Hqrs. 64th Air Div., APO B62, New York, N. Y.

 ROBBINS, RAYMOND E., JR. (A'54), Engr.-In-chg., Magnetics Group, Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N. Y.

 ROBBINS, ROBERT (S'57-M'5B), Dev. Engr., GE Co., Advanced Electronics Center, Ithaca, N. Y.

 ROBBINS, ROGER W. (SM'54), Mgr., Govt. Contracts Div., DuKane Corp., St. Charles, III.

 ROBBINS, WILLIAM M., JR. (S'48-A'50), Staff Engr., Crosley Div., Avco Mfg. Co., 2010 Chadala St., Santa Barbara, Calif.

 ROBELS, MICHAEL C. (M'56), Mem. Tech. Staff. Pama-
- Baroara, Valli.

 ROBEL, MICHAEL C. (M'56), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 5073, Denver 17, Colo.

 ROBEL, RAYMOND B. (A'43-SM'53), Mgr., Sta. Engrg., Aeronautical Radio, Inc., 1700 K St., N.W., Washington 6, D.C.
- ROBERSON, CHARLES F. (S'58-M'59), Electronics Engr., White Sands Missile Range, N.M.
 ROBERSON, FLOYD E. (S'57-M'59), Electronics Engr., FAA, Box 440, Anchorage, Alaska.

- Engr., White Sands Missile Range, N.M.

 RBBERSON, FLOYD E. (S'7-M'59), Electronics Engr.,
 FAA, Box 440, Anchorage, Alaska.

 ROBERTS, ALAN K. (A'49-SM'55), Patent Atty., 19 W.
 44 St., New York 36, N.Y.

 ROBERTS, ALBERT (M'59), 147-B3 Grand Central Pkwy.,
 Jamaica 35, L.I.N. N.Y.

 ROBERTS, ALBERT P. (A'59), Field Engr., Ampex Audlo,
 Inc., 1020 Kifer Rd., Sunnyvale, Calif.

 ROBERTS, ALLEN N. (M'55), Electronics Engr., RCA
 Service Co., Camden, N.J.

 ROBERTS, ALLEN N. (M'55), Mem. Scientific Staff,
 RCA Victor Co., 1001 Lenoir, Montreal, P.Q., Canada.

 ROBERTS, ANTHONY R. V. (M'56), Mem. Scientific Staff,
 RCA Victor Co., 1001 Lenoir, Montreal, P.Q., Canada.

 ROBERTS, BEN W. (S'49-A'51-M'58), Sales Engr.,
 Raytheon Mrg. Co., 600B W. 86 Ter., Overland Park, Kan.

 ROBERTS, BILLY J. (S'47-A'49-M'55), Design Engr.,
 Boeing Airplane Co., Seattle, Wash.

 ROBERTS, C. Seattle, Wash.

 ROBERTS, CARL O., JR. (S'53-M'56), Engr., Radar

 Design & Dev., Bendix Radio Div., Towson 4, Md.

 ROBERTS, CARL O., JR. (S'49-A'51-M'56), Dev. Engr.,
 AfTI, Wright-Patterson AFB, Ohio.

 ROBERTS, CLARENCE L. (M'5B), Capt., USAF, Hors.,
 AFIT, Wright-Patterson AFB, Ohio.

 ROBERTS, CLARENCE L. (M'5B), Capt., USAF, Hors.,
 AFIT, Wright-Patterson AFB, Ohio.

 ROBERTS, CLARYON R. (S'49-A'51-M'56), Dev. Engr.,
 Advanced Electronics Center, Ge Co., thtaca, N.Y.

 ROBERTS, CYRIL A, (A'56), Asst. Engr., Post Office
 Engro. Dept., 9/12 Victoria Ave., Soutliend on Sea,
 Essex, England.

 ROBERTS, DAVID A. E. (M'5B), Mullard Research Labs.,
 Cross Oak Lane, Salfords, Redhill, Surrev. England

- Evanston, III.

 ROBERTS, EDWIN A., JR. (A'55), Radio Transmitter Operator, KFBK, 21 & Q Sts., Sacramento, Calif.

 ROBERTS, EDWIN L. (M'57), Genl. Foreman, Airport Electronics Group, Chance-Voyught Aircraft Corp., Dallas, Tex.

 ROBERTS, ELZEY M., JR. (S'40-A'42-M'53), Pres., KXOK Broadcasting, Inc., Radio Park, St. Louis 13, Mo.

 ROBERTS, EUGENE L. (S'50-A'52-M'57), Systems Engr., Motorola, Inc., 1100 N. Cicero, Chicago, III.

 ROBERTS, FORREST G., JR. (A'3B-VA'39), Editor, Flight Operations Manuals, Eastern Air Lines, Inc., 96

 St., Airport Miaml, Fla.

 ROBERTS, FRANK B. (3'44-A'45-SM'54), Mgr., Commercial Receivers & Component Prods., The National Co., 61

 Sherman St., Malden, Mass.

 ROBERTS, FRANK R. (A'54), 2200 3rd St., Norristown,
- - ROBERTS, FRANK R. (A'54), 2200 3rd St., Norristown,
 - ROBERTS, FREDERICK G. (A'52-M'57), Sales Engr., B.B. Taylor Corp., 2270 Grand Ave., Baldwin, L.I., N.Y.

ROBERTS, FREDERICK W. (SM'55), V.P., Engrg. & Research, Dictaphone Corp., 375 Howard Ave., Bridgeport 5, Conn.

ROBERTS, GEORGE (S'52-A'53), Recording Engr., Gotham Recording Co., 2 W. 46 St., New York, N.Y. ROBERTS, GEORGE A. (M'49), Chief Engr., Sound Dept., Raymond Rosen & Co., Parkside Ave., 51 St., Philadelphia 31, Pa.

Raymond Rosen & Co., Parkside Ave., 51 St., Philadelphia 31, Pa.

ROBERTS, GEORGE E. (5'55-M'56), Jr. Engr., Radiation, Inc., Box 37, Melboume, Fla.

ROBERTS, GORDON A. (S'50-A'51-M'55), Grad. Research Asst., Univ. or Michigan Research Institute, Ann Arbor, Mich. ROBERTS, GORDON T. (S'41-A'45-M'55), Mgr., Prod. & Mkt., Dev., Industrial Apparatus Div., Raytheon Mfg. Co., Waltham 54, Mass.

ROBERTS, GRATZ L., JR. (S'53-M'58), Electronic Engr., Natl. Security Agency, Ft. Meade, Md.

ROBERTS, HENRY (A'54-SM'58), Sr. Engr., RCA, 75 Varick St., New York 13, N.Y.

ROBERTS, HENRY M., JR. (M'57), Research Lab. Analyst, Douolas Aitcraft Co., Inc., Long Beach B, Calif.

ROBERTS, HUGH D. (A'51), Sr. Engr., Martin Co., Baltimore 3, Md.

ROBERTS, JAMES M. (A'49-SM'53), Toll Transmission Engr., The Pacific Telephone & Telegraph Co., 140)

New Montgomery St., San Francisco 5, Calif.

ROBERTS, JAMES O. (A'51), Communications Technician, Braniff Airways, Love Field, Dallas, Tex.

ROBERTS, JEAN M. (SM'46), Prof., Elec. Engrg., Univ. of Virginla, Thomton Hall, Charlottesville, Va.

ROBERTS, JOHN D. (A'49), Service Mgr., Westinghouse Appliance Service Div. Roy 10/86 Corpus Christi Tay

Only. of Virginia, I normon Hall, Charlottesville, Va.
ROBERTS, JOHN D. (A'49), Service Mgr., Westinghouse
Appliance Service Div., Box 1086, Corpus Christi, Tex.
ROBERTS, JOHN H. (A'56), Electronics Engr., Rheem
Mfg. Co., Research & Dev. Labs., 9236 E. Hall Rd.,
Downey, Calif.

Downey, Callf.

ROBERTS, LEEE., JR. (A'53-M'5B), Prod. Engr., GE
Co., 316 E. 9 St., Owensboro, Ky.

ROBERTS, LEONARD L., JR. (A'49-M'57), Dir., Mfg.,
Remler Co., 2101 Bryant St., San Francisco, Calif.

ROBERTS, LESTER A. (S'47-A'50), Mem. Tech. Staff,
Watkins-Johnson Co., 3333 Hillview, Stanford Industrial
Park, Palo Alto, Calif.

ROBERTS, LESTER A. (S'47-A'50), Mem. Tech. Staff, Watkins-Johnson Co., 3333 Hillyiew, Stanford Industrial Park, Palo Alto, Calif.
ROBERTS, LEWIS H. (A'53-M'5B), Sr. Dev. Engr., Goodyar Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio. ROBERTS, LEWIS H. (S'56-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
ROBERTS, LOUIS W. (SM'56), Physicist, Head of Theroretical Group, Bomac Labs., Inc., Salem Rd., Beverly, Mass. ROBERTS, MANTFORD W. (M'57), Missile Test Engr., Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind. ROBERTS, MANTFORD W. (M'57), Missile Test Engr., Osbome Electronic Corp., 712 S.E. Hawthome Blvd., Portland 14, Ore.
ROBERTS, MICHAEL E. (A'58), Tech. Computer, Radioplane, Inc., 8000 Woodley, Van Nuys, Calif. ROBERTS, MORTON J. (S'49-A'52-M'57), Engr., RCA, Camden, N.J.
ROBERTS, PAUL L. (S'57-A'57), Instrument Mechanic "A," Convair, Ft. Worth, Tex.
ROBERTS, PAUL S. (S'55-M'57), Electronics Engr., Ouglas Aircraft Co., 3000 Ocean Park Bivd., Santa Monica, Calif.
ROBERTS, PERRY M. (M'55), Sr. Electronics Engr., ACF Industries, Inc., Riverdale, Md.
ROBERTS, RICHARD E. (SM'59), Mgr., GE Co., 3198 Chestnut St., Philadelphia 4, Pa.
ROBERTS, ROBERT E. (S'42-A'47-M'55), Semiconductor Rellability Engr., Motorola, Inc., B201 E. McDowell, Phoenix, Ariz.
ROBERTS, ROBERT E. (M'4B), "Balgowrie" Kingston Beach, Mear Hobart, Tasmania.
ROBERTS, ROBERT E. (M'4B), "Balgowrie" Kingston Beach, Mear Hobart, Tasmania.
ROBERTS, ROBERT E. (M'4B), "Balgowrie" Kingston Beach, Mear Hobart, Tasmania.
ROBERTS, ROBERT E. (M'4B), "Balgowrie" Kingston Beach, Mear Hobart, Tasmania.
ROBERTS, ROBERT E. (M'4B), "Balgowrie" Kingston Beach, Mear Hobart, Tasmania.
ROBERTS, ROBERT E. (M'4B), "Balgowrie" Kingston Beach, Mear Hobart, Tasmania.
ROBERTS, ROBERT E. (M'4B), "Balgowrie" Kingston Beach, Mear Hobart, Tasmania.
ROBERTS, ROBERT W. (M'57), Drawer 16, Hamilton AFB, Calif.
ROBERTS, ROBERT W. (M'57), Drawer 16, Hamilton AFB, Calif.
ROBERTS, ROBERT W. (M'57), Drawer 16, Hamilton AFB, Calif.

ROBERTS, ROBERT W. (SM'58), Sect, Supvr., Automated Data Systems, Sandia Corp., Sandia Base, Albuquerque, N.M.

N.M.

ROBERTS, ROLAND W. (S'49-A'50-M'57), Engrg. Sect. Mgr., Westinghouse Elec. Corp., 356 Collins Ave., Pittsburgh 6, Pa.

ROBERTS, ROY P. JR. (A'58), 1511 16 Ave., S.E., Decatur, Ala.

ROBERTS, SHEPARD (A'45-M'45), Research Assoc., GE Co., Schenectady, N.Y.

ROBERTS, THDMAS C.W. (A'56), Personnel Mgr., & Tech. Recruiter, Applied Science Corp. of Princeton, Box 44, Princeton, N.J.

Recruiter, Applied Science Copp. of Princeton, Box 44, Princeton, N.J.

ROBERTS, THOMAS E., JR. (S'44-A'49-SM'55), Mgr., Electronics Dept., Food Machinery & Chemical Co., 1105 Coleman Ave., San Jose, Calif.

ROBERTS, VERNON (A'5B), Electronic Maint. Technician, FAA, Gowen Field, 80ise, Idaho.

ROBERTS, VIRGIL 8. (A'50), Lab. Services Technician, The Internati. Nickel Co., Inc., Huntington, W. Va.

ROBERTS, WAINWRIGHT (S'51-A'52-M'57), Assoc. Engr., 18M, Poughkeepsle, N.Y.

ROBERTS, WALTER C. (A'45-SM'55), Chief Pre-production Engr., Ferranti, Ltd., West Gorton, Manchester 12, England.

ROBERTS, WALTER C. (A'45-SM'55), Research & Dev. Engr., Superior Cable Corp., Box 480-A, Hickory, N.C.

ROBERTS, WALTER VAN 8. (A'22-F'29XL), Retired, R.R.I, Box 244, Englewood, Fla.

ROBERTS, WARTEN (M'57), Research Engr., Sylvania Electronic Systems, 189 B St., Needham 94, Mass.

ROBERTS, WILLIAM F. (S'57-A'58), Engrg. Asst., Canadair, Ltd., Montreal, P. Q., Canada.

ROBERTS, WILLIAM H. (M'53), Supvr., Tantalytic Capacitor Engrs., Ge Co., Box 158, Imng. S.C.

ROBERTS, WILLIAM L. (A'51-M'56), Electronics Technician, Litton Industries, 960 Industrial Rd., San Carlos, Calif.

ROBERTS, WILLIAM L. (M'53), Mem. Tech. Staff, Thompson-Ramo-Wooldridge, Inc., El Segundo, Los Angeles, Calif.

ROBERTS, WILLIAM W. (A'42), Mgr., Commercial Prods., Sperry Piedmont Co., Charlottesville, Va. ROBERTS, WILLMAR K. (S'39-A'43-M'46), Asst. Chief, Lab. Div., FCC, 80x 31, Laurel, Md.

ROBERTSON, ALEXANDER A. (M'56), 100 7 Ave., Manor Park, London E-12, England.
ROBERTSON, ALLAN S. (S'43-A'44-M'49), V.P., Sales, Fenwal, Inc., Pleasant St., Ashland, Mass.
ROBERTSON, ARTHUR J. L. (A'48-M'55), Asst. Prof., Park College, Parkville, Mo.

Park College, Parkville, Mo.

ROBERTSON, ARTHUR L. (A/53-M/54), Sr. Engr., Martin Co., Box 179, Deniver J. Colo.

ROBERTSON, BEDFORD, JR. (S'47-A'50), 2601 Calvert St., N. W., Washington 8, D. C.

ROBERTSON, CARLOS L. (M'57), Production Engr., Raytheon Mfg. Co., Wayland, Mass.

ROBERTSON, CHARLES A. (M'58), Project Engr., Heath Co., Benton Harbor, Mich.

ROBERTSON, CHARLES B. (M'46), Engr., AT&T Co., 195 Broadway, New York 7, N.Y.

ROBERTSON, CHARLES B. (M'57), Supvr., Research & Dev., Narda Ultrasonics Corp., 122 Herricks Rd., Mineola, L.I., N.Y.

ROBERTSON, DAVID C. (SM'56), Sect. Supvr., Sandia

L.I., N.Y.

ROBERTSON, DAVID C. (SM'56), Sect. Supw., Sandia Corp., B909 Olympic Bivd., Beverly Hills, Calif.

ROBERTSON, DAVID R. (M'56), Sr. Design Engr., Convair, Ft. Worth, Tex.

ROBERTSON, DAVID S. (A'55), Electronics Engr., Australia Natl. Univ., Box 4, G.P.O. Canberra, A.C.T., Australia Natl. Univ., Box 4, G.P.O. Canberra, A.C.T., Australia.

ROBERTSON, DONALD J. (A'48-M'55), Sales Engr., Gawler Knoop Co., 178 Eagle Rock Ave., Roseland, N.J.

ROBERTSON, DONALD M. (S'58-M'59), Sr. Service Rep., Western Scientific Instrument Co., 1357 Laurel St., San Carlos, Calif.

ROBERTSON, DOUGLAS W. (S'50-A'51-SM'57). Mem.

Carlos, Calif.

ROBERTSON, DOUGLAS W. (S'50-A'51-SM'57), Mem. Tech. Staff, ITT Labs., 13B9 Peachtree St., N.E., Atlanta, Ga.

ROBERTSON, G. RAY (S'49-A'51-M'55), Sales Engr., Microdot. Inc., 220 Pasadena Ave., South Pasadena, Calif.

ROBERTSON, GENE D. (SM'56), Mgr., Advanced Dev. Engro., Magnavox Co., 2131 Beuter Rd., Ft. Wayne 4, Ind.

INDERTSON, GEORGE H. (A'49), Mem. Tech. Staff, Bell Tei. Labs., Whilppany, N.J.

ROBERTSON, GEORGE H. (A'49), Mem. Tech. Staff, Bell Tei. Labs., Whilppany, N.J.

ROBERTSON, GEORGE Controls, King of Prussia, Pa.

ROBERTSON, GRAHAM H. (S'50-A'52-W'56), Electronics Design Group Engr., Convair, Ft. Worth, Tex.

ROBERTSON, HOWARD E. (M'54), Facilities Engr., AT & T Co., 32 6 Ave., New York, N.Y.

ROBERTSON, JACK T. (M'56), Field Engr., Raytheon Mrg. Co., Waitham 54, Mass.

ROBERTSON, JACK Y. (S'58-M'59), Elec. Engr., RCA, Camden, N.J.

ROBERTSON, JACK Y. (S'58-M'59), Elec. Engr., RCA, Camden, N.J.

ROBERTSON, JAMES E. (S'48-A'50-M'55), Research Assoc. Prof., Univ. of Illinois, Urbana, Ill.

ROBERTSON, JAMES P. (S'47-A'48-M'55), Engr., AT & T Co., 195 Broadway, New York 7, N.Y.

ROBERTSON, JOHN H. (M'59), Reliability Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

ROBERTSON, JOHN L., SR. (M'58), Electronics Engr., (GS-11) Industrial Mgr., USN, 8th Naval District, U.S. Naval Sta., New Orleans 40, La.

ROBERTSON, JOSEPH J. C. (A'25-VA'39), Imperial OII., Ltd., Marine Div., 250 Barrington, Hallfax, N.S., Camada.

ROBERTSON, MARTIN A. (S'55-M'57), Computer Systems Analyst, Remington Rand Univac, St. Paul 16, Minn.

ROBERTSON, ORAN F. (SM'55), Staff Engr., Lockheed Missiles & Space Div., Sunnyvale, Calif.

ROBERTSON, RICHARDE. (S'57-A'58), & Design Engr., Nems-Clarke Co., 919 Jesup Blair Dr., Silver Spring, Md.

ROBERTSON, ROBERT G. (S'57-M'57), Design Engr., Stromberg-Carison Co., 1400 N. Goodman St., Rochester 9, N.Y.

Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

ROBERTSON, ROGER E. (A'48-M'50-SM'57), Staff Engr., RCA, 11B19 W. Olympic Blvd., Los Angeles 64, Calif. ROBERTSON, SLOAN D. (S'37-A'41-SM'45), Head, Research & Dev., Aerophysics Dept., Goodyear Aircraft Corp., Litchfieid Park, Ariz.

ROBERTSON, STANLEY D. (S'55-M'57), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

ROBERTSON, THOMAS M. (A'47-SM'54), Dept. Head, Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

ROBERTSON, VICTOR H. (S'54-A'54-M'57), Microwave Lab. Dev. Technician, RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.

ROBERTSON, WARD (A'58), Sales Mgr., White Instrument Labs., Box 9006, Austin 17, Tex.

ROBECH Son Son Son Austin 17, Tex.

ROBECHAUD, ARTHUR W. (S'56-M'59), Elec. Engr., Raytheon Missile Systems Div., Waltham Mass.

ROBICHAUD, LOUIS P. A., JR. (A'53-M'58), Defence Scientific Service Officer (Research Engr.), Canadian Armament Research & Development Est., Quebec, P.Q., Canada.

Canada.

ROBICHAND, RICHARD H. (M'57), Design Engr., LMED, GE Co., Utica, N.Y.

ROBIE, DONALD D. (S'56-A'57), Staff Asst., Div. 1471, Sandia Corp., Sandia Base, Albuquerque, N.M.

ROBIEUX, JEAN H. (M'58), 5 Rue Du Pe Lexoux, Chatenay Malaby, Seine, France.

ROBILLARD, PHILIPPE A. (A'45-M'55), Sr. TV Techniclan, Canadian Broadcasting Corp., 1425 Dorcester St., Montreal, P. Q., Canada.

ROBIN, GERALD W. (S'53-A'55), Standards Engr., Hughes Aircraft Co., Box 45426, Airport Sta., Los Angeles 45, Calif.

ROBIN, GERARD (S'56-M'57). Finer. Exopt Attack.

Calif.

ROBIN, GERARD (S'56-M'57), Engr., French Atomic Energy Commission, Parls, France.

ROBIN, NORMAN (S'48-A'49), Design Supvr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

ROBINETT, DON B. (S'39-A'41), Project Engr., G.M. Giannini & Co., Inc., 1902 W. Chestnut, Santa Ana, Calif. ROBINETTE, SPURGEON I. (M'57), Research Engr., Engrg. Experimental Sta., Georgia Institute of Technology, 225 North Ave., N.W., Atlanta 13, Ga.

ROBINS, BEN W. (A'48-SM'49), Space Flight Div., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

ROBINS, HOWARD M. (A'53), Elec. Engr., Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, fill.

ROBINS, DAVIO (S'48-A'59-M'58), Dev. Engr., 18M.

ROBINS, R. DAVID (\$'48-A'50-M'58), Dev. Engr., 18M, Pouthkeepsle, N.Y. ROBINS, RICHARD S. (SM'59), GE Co., Advanced Elec-tronics Center Ithaca, N.Y.

ROBINSON, ALBERT L. (A'35-SM'46), Retired, 433 Kingsley Ave., Palo Alto, Calif.
ROBINSON, ALFRED J. (M'98), Project Engr., Electronic Communications, inc., 72 St., N., St. Petersburg, Fla.
ROBINSON, ARTHUR S. (S'48-A'49-M'55), Asst. Chief Engr., Advanced Research & Dev., Eclipse-Ploneer Div., Bendix Aviation Corp., Teterboro, N.J.
ROBINSON, BERNARD H., JR. (A'52-M'58), Sr. Engr., Computers & Controls Sect., Martin Co., Sand Lake Rd., Orlando, Fla.
ROBINSON, CAUSTON H. (M'58), Supvy. Communications

Orlando, Fla.

ROBINSON, CAUSTON H. (M'58), Supvy. Communications Officer, Matl. Security Agency, Ft. Meade, Md.

ROBINSON, CECIL S. (M'52), Pres., Robinson Tech.

Prods., Inc., Teterboro Ali Terminal, Teterboro, N. J.

ROBINSON, CHARLES A., JR. (S'50-A'51-M'56), Staff Engr., Natl. Rural Electric Cooperative Association, 2000 Florida Ave., N. W., Washington 9, D.C.

ROBINSON, CHARLES W. (M'56), Asst. Operation Engr., WCAU, Inc., City Line at Monument Rd., Philidelphia 31, Pa.

ra. ROBINSON, CLAIR J. (S'58-M'59), Service Engr., Remington Rand Univac, St. Paul 16, Minn. ROBINSON, CRAWFORD A. (A'32-VA'39), Chief Engr., Hammond Mfg. Co., Ltd., Wellington St., Guelph, Ont., Canada.

ROBINSON, CRAWFORD A. (A'32-VA'39), Chief Engr., Hammond Mrg. Co., Ltd., Wellington St., Guelph, Ont., Canada.

ROBINSON, DANIEL L. (S'51-A'52-M'56-SM'57), Engr., Sperry Gyroscope Co., Great Neck., L.I.., N.Y.

ROBINSON, DANID (S'41-A'44-M'55), Mgr., Ordnance Systems Engra., GE Co., Schenectady, N.Y.

ROBINSON, DANID F. (M'54), Elec. Design, Missile Div., Chrysler Corp., Box 262B, Detroit 31, Mich.

ROBINSON, DANID M. (S'54-A'55), 4 Copperfield Lane, Brookside Park, Newark, Del.

ROBINSON, DONALD E. (A'55), Elec. Engr., Hughes Aircraft Co., Culver City, Callif.

ROBINSON, DONALD E. (A'55), Field Engr., Chicago Communication Service, 5038 S. Pulaski, Chicago 32, III.

ROBINSON, DONALD E. (A'55), Field Engr., Chicago Communication Service, 5038 S. Pulaski, Chicago 32, III.

ROBINSON, DUANE A. (A'58), Electronics Engro. Technician, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

ROBINSON, DWANE A. (S'56-M'58), Aerophysics Engr., Convair, Ft. Worth, Tex.

ROBINSON, EDWARD L. (A'56), GE Co., Syracuse, N.Y.

ROBINSON, EDWIN B. (A'36-SM'47), Assoc. Tech. Dir., Dev. & Engra., LSD Electronics Lab., San Diego, Callif.

ROBINSON, FRIEDERICK F. (A'54), Pres., Natl. Aviation Corp., 11 Broadway, New York 6, N.Y.

ROBINSON, GEORGE D. (S'44-A'46), Project Engr., Industrial Television, Inc., 369 Lexington Ave., Cilfion, N.J.

ROBINSON, GLORGE D. (S'44-A'46), Field Engr., DRC, 30 Rockefeller Plaza, New York, N.Y.

ROBINSON, GLORGE D. (S'44-A'55), Instrumentation Engr., Philadelphia Navy Yard, Power Generators, 600 Stokes Ave., Trenton, N.J.

ROBINSON, GLEBERT G. (M'57), Dev. Engr., Goodyear Aircraft Corp., 1210 Massilion Rd., Akron, Ohio.

ROBINSON, GLEBERT E. (M'57), Dev. Engr., Goodyear Aircraft Corp., 1210 Massilion Rd., Akron, Ohio.

ROBINSON, GLEBERT G. (M'55), Supv., Electronics Scientist, Naval Ordanace Test Sta., China Lake, Calif.

ROBINSON, GLEP. P., JR. (S'47-A'50-SM'56), Pres., Scientific-Atlanta, Inc., 2162 Pledmont Rd., N.E., Atlanta 9, Ga.

ROBINSON, GLEN P., JR. (S'47-A'50-SM'56), Pres., Scientific-Atlanta, Inc., 2162 Piedmont Rd., N.E., Atlanta 9, Ga.

Atlanta 9, Ga.

ROBINSON, GORDON D. (A'19-VA'39-M'55XL), Rte. 1,
Pullman, Mich.

ROBINSON, GORDON H. (M'56), Engr., Research, Engrg.
Psychology Group, Willow Run Labs., Univ. of Michigan,
Ann Arbor, Mich.

Ann Arbor, Mich.

ROBINSON, HAROLD (M'57), Tech. Officer Grade 5,
Dept. of Natl. Defense, Ottawa, Ont., Canada.

ROBINSON, HAROLD A. (A'45-5M'45), Contract Administrator, Radio Engrg. Prods., Montreal, P. Q., Canada.

ROBINSON, HAROLD E. (M'50), Chief, Civil Avlation
DIV., CAA, U.S. Embassy, Managua, Nicaragua.

Div., CAA, U.S. Embassy, Managua, Nicaragua.

ROBINSON, HAROLD H. (SM'57), Genl, Mgr., Eastem Officer, Young Spring & Wire Co., 1025 Connecticut Ave., N.W., Washington 6, D.C.

ROBINSON, HARRIS A. (J!27-A'29-M'36-SM'43), Engrg. Group Leader, Airbome Systems Dept., RCA, Camden, N.J.

ROBINSON, HERBERT L. (S'48-A'51-M'56), Project Supvr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

ROBINSON, HERBERT L. (S'48-A'51-M'56), Project Supvr. Ford Instrument Co., 31-10 Thomsom Ave., Long Island City 1, N.Y.
ROBINSON, IVAN E. (A'52-M'54), Pres., The I. E., Robinson Co., 740-4 W. Chester Pike, Upper Darby, Pa. ROBINSON, J. DARREL L. (S'56-M'57), Dev. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
ROBINSON, J. DARREL L. (S'56-M'57), Dev. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
ROBINSON, JAMES A. (M'55), Chief Engr., The Walkirt Co., 141 W. Haze! St., Inglewood 3, Calif.
ROBINSON, JAMES E. (S'49-A'51-M'55), Systems Engr., RCA, Missile & Surface Radar Dept., Moorestown, N.J.
ROBINSON, JAMES G. (S'42-A'44-M'55), Asst. to Pres., McLean Engrg. Labs., Washington Rd., Princeton, N.J.
ROBINSON, JAMES H., JR. (M'58), 23-C Honeycutt Rd., Ft. Bragg, N.C.
ROBINSON, JAY C. (A'46), Pres., Harrison Equipment Co., Inc., 1422 San Jacinto, Houston 2, Tex.
ROBINSON, JOHD D. (A'55), Asst. to Dean, Manhattan Schools of Printing, BB W. Broadway, New York, N.Y.
ROBINSON, JOHN D. (S'56-M'58), Engr. Trainee, RCA Service Co., Patrick AFB, Fla.
ROBINSON, JOHN D. (S'56-M'57), Engr., Trainee, RCA Service Co., Lexington Rd., Winston-Salem, N.C.
ROBINSON, JOHN L. (S'56-M'57), Engr., Western Electric Co., Lexington Rd., Winston-Salem, N.C.
ROBINSON, JOHN L. (M'58), Project Engr., Philico Corp., 4700 Wissahickon Ave., Philadelohia 44, Pa.
ROBINSON, JOSEPH H., III (A'54-SM'59), Research Physicist, No. Amer. Aviation, Internati. Alirport, Los Angeles 45, Calif.
ROBINSON, KENNETH P. (S'55-M'56), Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.
ROBINSON, KENNETH P. (S'45-A'49-M'55), Research Fellow, Harvard Univ., Cambridge, Mass.
ROBINSON, KENNETH P. (S'45-A'49-M'55), Research Fellow, Harvard Univ., Cambridge, Mass.

- ROBINSON, LELAND P. (S'46-A'49-SM'55), Dir., Engrg., ElectroData Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.

 ROBINSON, LECN (M'58), 11 Monroe Pl., Brooklyn 1, N.Y.

 ROBINSON, LORNE M. (S'57-M'59), Research Engr., Avionics Missile Div., No. Amer. Aviation, Downey, Calif.

 ROBINSON, MAURICE E. (A'52), Electronics Engr., Martin Co., Box 179, Denver, Colo.

 ROBINSON, MILES P., (M'51), Drafting Supvr., Raytheon Mrg. Co., Wayland, Mass.

 ROBINSON, MILES P., JR. (S'48-A'49-M'56), 205

 Mountain Vlew Dr., Sunnybrook, Bristol, Tenn.

 ROBINSON, MORLEY R. (A'46), Capt., RCEME, 6330

 42 Ave., Rosemount, P.Q., Canada.

 ROBINSON, MORE R. (A'52), Engr., American Bosch Arma

 Corp., Garden City, L.I., N.Y.

 ROBINSON, NORMAN O., JR. (S'54-M'56), Research

 Engr., Hughes Aircraft Co., Culver City, Calif.

 ROBINSON, PETER T. (S'57-M'58), Research Asst., Stanford Electronics Labs., Stanford, Calif.

 ROBINSON, PRESTON (M'54), Consulting Engr., Sprague Electric Co., North Adams, Mass.

 ROBINSON, RALPH O., JR. (A'48-SM'49), Sr. Engr., Annied Physics Lab. The Johns Honkins Liny., Sliver

- ROBINSON, RALPH O., JR. (A'48-SM'49), Sr. Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- ROBINSON, RAYMOND P. (S'57-A'59), Elec. Engr., Chrysler Missile Operation, Sterling Township, Detroit, Mich.

- Mich.

 KOBINSON, RAYMOND R. (A'53), Mng. Dir., Philco
 Technolgical Center, Philco Corp., TechRep Div.,
 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 ROBINSON, RICHARDA A. (M'54), Mgr., Sales Engrg.,
 Lenkurt Electric Co. of Canada, Ltd., 7018 Lougheed
 Hwy., North Burnaby P.O., Vancouver, B.C., Canada.
 ROBINSON, RICHARD C. (S'55-M'56), Electronics Engr.,
 Bendix Systems Div., 3300 Plymouth Rd., Ann Arbor,
 Mich.
- Mich.
 ROBINSON, RICHARD O. (A'50-SM'56), Engr., GE Co.,
 Phoenix, Ariz.
 ROBINSON, RICHARD J. (S'4B-A'51-M'56), Project Engr.,
 Elec. Dept., Underwriters' Labs., Inc., 161 6 Ave.,
 New York 13, N.Y.
- Elec. Dept., Underwriters' Labs., Inc., 161 6 Åve., New York 13, N.Y.
 ROBINSON, RICHARD M. (M'58), Publications Engr., Hazeltine Electronics Dlv., Little Neck 62, L.I., N.Y.
 ROBINSON, ROBERT B. (S'48-A'50-M'55), Unit Chief, Electronics, Boeing Arrolane Co., Box 30,25, Seattle 24, Wash.
 ROBINSON, ROBERT C. (S'55-M'57), Frod. Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.
 ROBINSON, ROBERT E., III (S'57-M'59), Electronics
 Walter Reed Army Institute of Research, Walter Reed
 Army Medical Center, Washington, D.C.
 ROBINSON, SAMUEL A. (M'45-SM'51), Project Engr., Philoc Corp., Church Rd., Lansdale, Pa.
 ROBINSON, SAUL (S'41-A'45), Applications Engr.,
 Raytheon Mfg. Co., Newton 58, Mass.
 ROBINSON, T. PEYTON (S'52-A'53-M'59), Sr. Aerophysics Engr., Convair, Ft. Worth, Tex.
 ROBINSON, THEODOR B. (M'54), Mgr., Milltary Components Dept., National Co., Inc., 61 Sherman St., Malden
 4B, Mass.
 ROBINSON, THOMAS J.B. (M'57), Defence Production

- ents Dept., National Co., Inc., 61 Sherman St., Malden 4B, Mass.

 ROBINSON, THOMAS J.B. (M'57), Defence Production Officer, Dept. of Defence Production, 70 Lyon St., Ottawa, Ont., Canada.

 ROBINSON, THOMAS D. (M'55), Supvg., Engr., Computer Maint., Remington Rand Univac, St. Paul 16, Minn.

 ROBINSON, WALTER H. (A'51-M'56), Field Engr., RCA, 6335 E. Washington Blvd., Los Angeles 22, Calif. ROBINSON, WAYNE H. (S'55-A'56-M'59), Mktg. Engr., Sales of Research & Dev. Prods., Eltel-McCullough, Inc., 301 Industrial Rd., San Carlos, Calif.

 ROBINSON, WALLARD A. (S'53-A'55), Sr. Tech. Alde, Bell Tel. Labs., Whippany, N.J.

 ROBINSON, WILLIAM A. (S'41-A'44-M'55), Pres., Nucom, Ltd., 36 Cranfield Rd., Toronto 13, Ont., Canada.

 ROBINSON, WILLIAM A. (S'41-A'49-M'55), USAF 5218 Fredonia Ave., Dayton 31, Ohio.

 ROBINSON, WILLIAM H. (A'51), Radar Engr.-In-chg., FAA, Municipal Airport 1, Salt Lake City, Utah.

 ROBINSON, WILLIAM H. (M'49), Project Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 ROBINSON, WILLIAM M. (S'41-A'44-M'55), Aeronautical Research Administrator, Army Ballistic Missile Agency, Redstone Arsenal, Ala.

 ROBINSON, WILLIAM M. (SM'52), Asst. Chief Engr., Comell-Dublier Electric Cop., 1605 Rodney French Bilvd., New Bedford, Mass.

- BIVO., New Bedrord, Mass.

 ROBISON, CHARLES F. (M'57), 2057 Plymouth Rd.,
 S.E., Grand Rapids, 6, Mich.

 ROBISON, ROY M. (S'53-M'55), Mem. Lab. Staff, Bell
 Labs., Murray Hill, N.J.

 ROBISON, WENDALL C. (S'46-A'49-M'55), Assoc.

 Prof., Univ of Nebraska, Dept. of Elec. Engrg., Lincoln
 B, Neb.

- Prof., Univ of Nebraska, Dept. of Elec. Energ., Lincoln 8, Neb.

 ROBL, ROBERT F., JR. (S'52-A'56-SM'59), Instr., Camegie Institute of Technology, Pittsburgh 13, Pa.

 ROBLE, ARTHUR R. (A'52-M'57), Prod. Engr., Remington Rand Univac, St. Paul 16, Minn.

 ROBSON, ALFRED B., JR. (A'52-M'55), Staff Engr., U. S. Navail Aviation Electronics Service Unit, Navail Receiving Sta., Washington 25, D.C.

 ROBSON, EWART E. (M'52), Humble Mfg. Co., Ltd., 1695 W. 2nd, Vancouver 9, B.C., Canada.

 ROBSON, RICHARD B., JR. (S'55-M'5B), Elec. Engr., Martin Co., Baltimore 3, Md.

 ROBY, EDGAR M. (S'53-A'55), Mem. Tech. Staff, C.G. Electronics, J5000 Central, S.E. Albuquerque, N. M.

 ROBY, JOHN W., JR. (M'52), Engr., Texas Instruments, Inc., 3609 Buffalo Speedway, Houston 6, Tex.

 ROCAMORA, RICHARD L. (M'54), 316 Brairwood Ave., Haddorfield, N.J.

 ROCCAMORA, RROLA, R. (1544), Staff Engr., American
- ROCCATI, ARNOLD J. (A'54), Staff Engr., American Research & Mfg. Corp., 920 Halpine Ave., Rockville, Md.

- Md.

 ROCCHIO, JOSEPH J., JR. (S'5B-M'59), Mem. Tech.

 Staff, Beil Tel. Labs., Murray Hill, N.J.

 ROCH, ALFRED A. (M'57), Sr. Engr., Sulzer Bros.,

 Winterhur, Switzerland,

 ROCHA, HENRIQUE A.F. (A'52), Supvr., Applied Research

 Dev., Non-destructive Testing Sub-Sect., Materials &

 Processes Lab., GE Co., Schenectady 5, N.Y.

- ROCHA, LUIS F. (S'55-M'57), Asst. Engr., Applications Lab., FAPESA-Philips Argentina, Vedia 3892, Buenos Aires, Argentina.

 ROCHE, AUSTIN O., III (S'56-M'57), Group Engr., Dynatronics, inc., 717 W. Amella, Orlando, Fia.

 ROCHE, JAMES F. (M'52), Staff, Lincoln Lab., MIT, Lexington 73, Mass.

 ROCHE, JOHN M. (S'58-M'59), Electronics Engr., Emerson Electric Mfg. Co., 8100 W. Fiorissant Ave., St. Louis, Mo.
- ROCHE, MICHAEL J. (A'57), Electronics Technician, Sylvania Elec. Prods. Inc., 208-20 Willets Point Blvd., Bayside, L.I., N.Y.

- Sylvania Elec. Prods. Inc., 208-20 Willets Point Blvd., Bayside, L.I., N.V.

 ROCHE, THOMAS E., JR. (M'58), Transmission Engr., New England Telephone & Telegraph Co., 185 Franklin St., Boston 7, Mass.

 ROCHE, THOMAS F. (A'54), Pres. & Treas., The Roflan Co., Rte. 1, Topsifield, Mass.

 ROCHEFORT, JOHN S. (S'49-A'50-M'54-SM'59), Assoc. Prof., Commication Research Elec. Engrg. Dept., Northeastern Univ., 360 Humilington Ave., Boston 15, Mass.

 ROCHELEAU, GERARD S. (A'51-M'52), Electronics Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 ROCHELLE, CHARLES A. (S'54-A'57), Box Machine Operator, Continental Oil Co., Ponca City, Okla.

 ROCHELLE, ROBERT W. (S'48-A'51-M'58), Aeronautical Research Engr., Natl. Aeronautics & Space Administration, 4555 Overlook Ave., S.W. Washington 25, D.C.

 ROCHESTER, NATHANIEL (S'41-A'43-M'46-SM'49-F'58), Mgr., Information Research, IBM Research Center, Yorktown, N.Y.

 ROCHIN, DAVID W. (A'57), Elec. Technician. GE.Co.

- N.Y.

 ROCHIN, DAVID W. (A'57), Elec. Technician, GE Co.,
 E. Lake Rd., Erie, Pa.

 ROCHOLL, HANS C. (A'58), Mor., Engrg. Dept., Toronto
 TV Service Co., 278 Bridgeland Ave., Toronto, Ont.,
 Canada.

- TV Service Co., 278 Bridgeland Ave., Toronto, Ont., Canada.

 ROCHWARGER, MARVIN M. (S'55-M'57), Staff Engr., Columbia Univ., Electronics Research Lab., 632 W. 125 St., New York, N.Y.

 ROCK, ALLAN L. (S'56-M'97), Research A35t., Engrg. Research Institute, Univ. of Michigan, Ann Arbor, Mich. ROCK, ARTHUR J. (A'52-M'57), Asst. Contract Administrator, Varian Associates, 611 Hansen Way, Palo Alto, Calif. ROCK, FRANCIS E. (A'53-M'58), Military Tech. Consultant, Genf. Electronic Labs., 18 Ames St., Cambridge, Mass. ROCK, PETER (A'55), Sr. Elec. Engr., 3000 Arlington Blvd., Falls Church, Va.

 ROCKAFELLOW, STUART C. (M'51), Chief Engr., Robotron Corp., 21300 W. 8 Mile, Detroit 19, Mich. ROCKE, ARTHUR J. (A'43), Owner, Arthur J. Rocke, 431 5 Ave., New York 16, N.Y.

 ROCKET, FRANK A. (M'56), Staff Engr., IBM, Pough-keepsie, N.Y.

 ROCKETT, FRANCIS H. (S'43-A'44-SM'54), Engrg. Staff

- keepsie, N.Y.

 ROCKETT, FRANCIS H. (S'43-A'44-SM'54), Engrg. Staff Editor, McGraw-Hill Book Co., Inc., Charlottesville, Va. ROCKEY, GUY H. (SM'52), Col., USAF, Cmdr., 2049 AACS Group, McClellan AFB, Callif. ROCKEY, RONALD J. (M'58), Mem. Tech. Staff, Hughes Alrcraft Co., Culver City, Callif. ROCKLITZ, HAROLD C. (S'50-A'51-M'58), Production Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Callif.

- ROCKOMITZ, MURRAY (M'57), Research Scientist, Crosley Oliv., Avco Mfg. Co., 1329 Arlington St., Cincinnati 25, Ohio.

- Orly, Avcounty, Co., 1929 Arrington St., Cincinnati 25, Ohio.

 ROCKS, JAMES K. (A'54), Special Rep., Applied Science, IBM, 3424 Wilshire Blvd., Los Angeles 5, Calif.

 ROCKWELL, CHARLES F. (S'55-M'56), Electronics Engr., Electronics Corp. of America, Cambridge, Mass.

 ROCKWELL, CHESTER A. (M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 ROCKWELL, PAUL D. (S'38-A'40-M'47-SM'51), Asst. Dir., Engrg., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

 ROCKWELL, ROBERT E. (A'55), Electronics Engr., U. S. Navai Ordnance Test Sta., China Lake, Calif.

 ROCKWELL, ROBERT G. (S'43-A'50-M'55-SM'56), Project Mgr., Varian Associates, 611 Hansen Way, Palo Alto 1, Calif.
- Alto 1, Calif.

 ROCKWELL, ROBERT R. (A'56), TV Technician KDKA-TV, Pltsburgh, Pa.

 ROCKWELL, RONALD J. (A'25-M'31-SM'43-F'45), V.P.

 & Dir., Engrg., Crosley Broadcasting Corp., 140 W. 9 St., Cincinnait 2, Ohlo.

 ROCKWELL, WILLIAM S. (A'46-M'55), Regional Sales Mgr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
- Call .

 ROCKWOOD, ALAN C. (A'25-M'30-SM'43-F'59), Design Engr., Raytheon Mfg. Co., Quincy, Mass.

 ROCKWOOD, CHARLES H. (A'46-M'55), Staff Engr., Aeronautical Div., Cook Research Labs., 6401 Oakton St., Morton Grove, III.
- ROCKWOOD, CLIFTON G. (S'48-A'50-M'56), Regional Sales Mgr., Tube Div., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

- Sales Mgr., Tube Div., Varian Associates, 611 Hansen Way, Palo Alto, Calif. ROCKWOOD, CURTIS C. (A'52), Physicist, Argonne Natl. Lab., Lemont, III. ROCKWOOD, JEROME B. (A'53-M'58), Patent Engr., Convair, San Diego, Calif. ROD, ROBERT L. (S'42-A'43-M'46-SM'50), Pres., Acoustica Associates, Inc., Plainview, L.I., N.Y. RODATUS, EDWARD J. (A'56), Sr. Engr., Electronic Systems, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y. RODBELL, OONALD S. (S'49-A'54-M'59), Physicist, Research Lab., GE Co., Schenectady, N.Y. RODBELL, OONALD S. (S'55-M'56), Sales Engr., Curtisa-Wright of Canada, Ltd., 1980 Sherbrooke St., W., Montreal, P.Q., Canada. RODD, FRANK R. (M'56), Research Geophysicist, Humble Oil & Refining Co., Box 2180, Houston 1, Tev RODDA, E. NATTON (A'53-M'59), Research Engr., Lockheed Missile Systems Div., Box 504, Sunnyvale, Calif. RODOA, WILLIAM E. (S'56-M'59), Mem. Tech. Staff, RCA Research Labs., Princeton, N.J. RODDEN, WILLIAM H. (S'56-M'59), 531B-D Cedar Springs, Dallas 35, Tex. RODDICK, JOHN H. (S'57-M'58), Box 207, Gretna, Man., Canada.

- RODDY, VINCENT S. (A'30-VA'39), Chief Engr., Guided Missile Branch, Hgrs., USAF, Washington 25, D.C.

- RODEMAN, GLENN A. (S'56-M'59), Engr., RCA, Camden,
- RODE NROTH, ROBERT D. (A'54-M'57), Quality Control Engr., Emerson Electric Mfg. Co., 59 & Industrial, East St. Louis, III.
- St. Louis, III.

 RODER, ANTONIO (S'52-A'54), Engr., Shockley Semiconductor Lab., Mountain View, Calif.

 RODER, CHARLES C. (A'38-VA'39), Lt. Col., U. S.
 Army, Signal Corps, U. S. Army Caribbean Signal Agency,
 APO 851, New York, N.Y.

- Army, Signal Corps, U. S. Army Carlibbean Signal Agency, APO 851, New York, N.Y.

 RODER, NORMAN D. (5'58-M'59), Asst. Lab. Engr., McDonnell Altrraft Corp., 5t. Louis, Mo.

 RODERICK, RICHARD (SM'57), Flight Test Group Engr.,
 Convair, Ft. Worth, Tex.

 RODER, Childran C. (S'58-A'59), TV Engr., New
 York State Educational TV Project, Albany, N.Y.
 RODES, WILLIAM D. (A'53-SM'58), Engr., Collins Radlo
 Co., Cedar Rapids, Iowa.

 RODEWALD, MERLIN V. (A'50-M'50), Sr. Project Engr.,
 GMC, 1925 E. Kenliworth Pl., Milwaukee, Wis.

 RODER, JOHN B. (A'52), Engr.-In-Chg., Aryshire Police
 Wireless Scheme, Charlotte St., Ayr., Scotland.

 RODERS, DANIEL L. (S'56-M'57), Flight Test Engr.,
 Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd.,
 Minneapolis, Minn.

 RODEERS, FRANKLIN A. (M'58), V.P., Scientific Engrg.
- Minneapolis, Minn.

 RODGERS, FRANKLIN A. (M'58), V.P., Scientific Engrg.
 Institute, 238 Main St., Cambridge 42, Mass.

 RODGERS, JAMES P. (M'55), Regional Supt., Radio Regulations, Dept. of Transport, 9820 107 St., Edmonton, lations, Dept. Alta., Canada.

- Tations, Dept. of Transport, 9820 107 St., Édmonton, Alta., Canada.

 RODGERS, JOHN A. (A13B-VA139-SM150), Sr. Project Engr., Camera Works, Eastman Kodak Co., 400 Plymouth Ave., N., Rochester 4, N.Y.

 RODGERS, JOHN W., JR. (A155), Mem. Tech. Staff, Ramo-Wooldridee, 5500 El Segundo, Los Angeles 45, Calif.

 RODGERS, JOSEPH L. (A153-M158), Systems Research Engr., Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif. RODGERS, LIONEL M. (M145-SM150), Research Asst. to the V.P., Automatic Signal Div. of Eastern Industries, Inc., 2 Regent St., East Norwalk, Conn.

 RODGERS, PAUL D. (S152-A153-M158), Sect Head, ITT Labs., 3702 E. Pontlac St., Ft. Wayne, Ind.

 RODGERS, ROBERT C. (M153), Assoc. Editor, Machine Design, Penton Publishing Co., 1213 W. 3rd St., Clevelard 12, Ohio.

 ROOGERS, TERLING M. (S150-A153-M159), Lt., U. S. Army, Signal Corps., 10th Signal Bn., Ft. Benning, Ga. RODGERS, VERNOR P., JR. (A152-M157), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 RODING, JOHN C. (S157-M158), Research Engr., North American Rocketdyne, 6633 Canoga Ave., Canoga Park, Calif.

- American Rocketdyne, 6633 Canoga Ave., Canoga Park, Calif.

 RODINE, RONALD R. (S'56-M'5B), Research Engr., Jet Propulsion Lab., California Institute of Technology, 4B00 Oakgrove, Pasadena, Calif.

 RODKIN, DENNIS L. (M'57), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York, N.Y.

 RODMAN, ALBERT K. (M'55), Project Engr., Radiation Engrg. Lab., Inc., Main & Walnut Sts., Maynard, Mass.

 RODMAN, MARTIN D. (M'55), Project Engr., RCA Moorestown, N.J.

 RODMAN, NORTON (S'54-M'56), Systems Engr., Hughes Aircraft, Culver City, Calif.

 RODMAN, SHERWIN B. (S'47-A'50-M'56), Lead Engr., Computer Dev., Nortronics, Div., Northrop Aircraft, Inc., Hawthome, Calif.

 RODTIGUES, ANTONIO N. (A'57), Electronics Technician, Production Research Corp., Clarement Ave., Thornwood, N.Y.

 RODRIGUES, RICHARD M. (S'47-M'58), Electronics Engr., Univ. of California Radiation Lab., Box 80B, Livermore, Calif.
- RODRIGUESde MIRANDA, JACO8US (SM'58), Mgr., Radio Apparatus Lab., N.V. Philips Eindhoven, (N.B.), Netherlands.

- RODRIGUEZ de MIRANDA, JACOBUS (SM'58), Mgr., Radio Apparatus Lab., N. V. Phillips Eindhoven, (N. B.), Netherlands, RODRIGUEZ, A. E. (A'26-VA'39), Sales Engr., 1417 Addison, Chicago 13, III.

 RODRIGUEZ, EUGENIO (A'50), Chief Engr., Part Owner, Telefonica Nacional, S. A., Commercial Electra, Sabinas, Coah., Mexico.

 RODRIGUEZ, EUGENIO (A'50), Chief Engr., Part Owner, Telefonica Nacional, S. A., Commercial Electra, Sabinas, Coah., Mexico.

 RODRIGUEZ, LUGIIS H., (A'53), Publications Engr., Military Prods, Div., IBM, Kingston, N.Y.

 RODRIGUEZ, MIGUEL F. (S'41-A'45-M'47), Ayudante del Superintendente del Laboratorio, Cia Mexicana de Luz y Fuerza Motriz, S. A., Gante 20, Mexico 1, D. F., Mexico.

 RODRIGUEZ, PABLO T. (M'55), Asst, to Lab. Chief, Square D Co., Box 2115 Terminal Annex, Los Angeles 32, Calif.

 RODRIGUEZ, ROBERT A. (M'56), Supvy, Maint, Engro. Officer, Rand Corp., 1700 Main St., Santa Monica, Calif, RODWELL, WALTER E. (A'5B), 4 Gloucester Ter., Thorpe Bay, Essex, England.

 RODWIN, GEORGE (A'25-M'40-SM'43), Mem., Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 ROE, EDWARD O. (A'54), Research Engr., Jersey Production Research Co., 1133 N. Lewis, Tulsa, Okla.

 ROE, GEORGE F., JR. (S'52-M'59), Mem., Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 ROE, JOHN H. (A'41-SM'49), Mgr., TV Camera Equipment Engrg., RCA, Camden 2, N.J.

 ROEBER, FRED W. (M'57), Engr., Systems Development Corp., Lexington, Mass.

 ROEDEL, JUERCEN (S'47-A'50-M'56), Supvy, Engr., Radar Group, Westinghouse Elec. Corp., Box 746, Friendship Internatl Airport, Baltimore 27, Md.

 ROEDER, JOHN R. (S'49-A'50-M'56), Supvy, Engr., Radar Group, Westinghouse Elec. Corp., Box 746, Friendship Internatl Airport, Baltimore 27, Md.

 ROEDER, FREDERICK E. (S'46-A'49-M'55-SM'57), Mgr., Produstian Test Depr., Rarytheon Mfg., Co., Missiles Systems Div., Andover, Mass.

 ROEGER, RICHARDE C. (A'50-M'55), Chief Engr., Cleveland Instrument Co., 6220 E. Schaaf Rd., Cleveland 31, Ohio. ROEHL, ERREST R. (M'56), Research Engr., No. Amer. Avi

- ROEHR, WILLIAM D. (S'57-M'58), Dev. Engr., Motorola, Inc., Semiconductor Div., 5005 E. McDowell, Phoenix, Ariz.
- APT2.

 ROEHRIG, HENRY W. (A'57), Pres., Industrial Winding Machinery Corp., 120 Wall St., New York 5, N.Y. ROEHRIG, JONATHAN R. (SM'56), Sr. Physicist, Natl. Research Corp., 70 Memorial Dr., Cambridge 42, Mass. ROEHRMAN, KENNETH E. (S'56-M'59), 1001 Orchard, Liberty, Mo.

Liberty, Mo.

ROEL, EDMUND L. (A'48-M'55), Engrg. Sect Head,
Sperry Gyroscope Co., Great Neck, L.I., N.Y.

ROELLKE, DONALD A. (S'55-M'58), Engr., Instrumentation
Lab., MIT, Cambridge 39, Mass.

ROELOFFS, ETHEL G. (S'49-A'50-M'58), 240 Holmes
St., Belleville 9, N.J.

ROELOFS, DARRELL D. (S'57-M'59), Design Engr.,
Hazeltine Electronics Corp., Little Neck 62, L.J., N.Y.

ROEMER, JOSEPH S. (S'55-M'58), Instr., Communications
& Electronics Staff Officer School, OZR 3011 Course,
Keesler AFB, Miss.

ROEMISCH, JOSEPH L. (A'37-M'41-SM'43), Pres., Tel-Instrument Electronics Corp., 728 Garden St., Carlstadt, N. I.

ROENITZ, ROBERT K. (S'53-A'54), Communications Systems Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.

CHICAGO 3.1, III.

ROESCH, R. GEORGE (A'54), Pres., The Eraser Co., Inc., 1068 S. Clirkon St., Syracuse 4, N.Y.

ROESCHKE, CONRAD W. (SM'50), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

ROESCHLEIN, E.R. (A'56), Sr. Electronics Scientist, U.S. Naval Avionics Facility, 21 & Arington, Indianapolis 18, Ind.

18, Ind.

ROESEL, WILLIAM C. (M'57), Systems Engr., Bell Tel.

Labs., Murray Hill, N. J.

ROESER, RICHARD W. (S'57-M'58), Electronics Engr.,

Convair-Astronautics, San Diego, Calif.

ROESLER, LAWRENCE (M'57), 3213 Lipton Lane,

Dayton 30, Ohio.

ROESLER, ROBERT W. (S'48-A'51-M'57), District

Communications Suppyr., Bonneville Power Administration,

Box 747, Bonneville, Wash.

Communications Supwr, Bonneville Power Administration, Box 747, Bonneville, Wash, Box 747, Bonneville, Wash, ROESS, LOUIS G. (M*56), 258 Center St., East Aurora, N Y ROESS, THEODORE L. (A*54), Electronics & Servo Engr., Bell Aircraft Corp., Buffalo 5, N, Y.
ROESSING, EARL F. (S*49-A*50-M*55), Plant Engrq. Dext., GMC, Defiance, Ohio.
ROESSLER, FRANCIS J., JR. (S*55-M*58), Engr., New York, N,Y.
ROETKEN, A. A. (A*29-M*40-SM*43-F*53), Research Engr., Bell Tel. Labs., Murray Hill, N.J.
ROGAN, SEYMOUR J. (S*53-A*55), Sr, Engr., Litton Industries of Maryland, 4910 Calvert Rd., College Park, M.I.
ROGAN, JOHN J. (M*41-SM*43), Electronics Patent Counsel, 233 Broadway, New York 7, N,Y.
ROGELL, PAUL S. (S*47-A*49-M*55), Prod. Sales Engr., Westinghouse Elec. Corp., Box 284 Elmira, N,Y.
ROGERS, ADRIAN J. (A*45-M*51-SM*53), Asst. Supwr., Mound Lab., Monsanto Chemical Co., Miamisburg, Ohio.
ROGERS, ALAN E. (M*56), Engr., Electronic Associates, Inc., Princeton Computation Center, Box 582, Princeton, ROGERS, ALDRED W. (M*50), Sr, Staff, The John Hopkins Univ., Applied Physics Lab., Silver Spring, Md.
ROGERS, ALDRED W. (M*50-SM*56), Dir., Electronic Parts & Materials Div., U.S. Signal Research & Development Lab., Ft. Monmouth, N.J.
ROGERS, ALFRED A. (M*57), Project Engr., American Bossch Amm., III.

MOGERS, ALFRED A. (M'57), Project Engr., American Bosch Arma Corp., 5857 W. 95 St., Oak Lawn, III. ROGERS, ARTHUR L. (A'49-M'57); Electonics Engr., FAA, Box 1082, Oklahoma City, Okla. ROGERS, CHARLES H. (S'51-A'53-SM'58), Engr., West-inghouse Elec. Corp., Friendship Internat!. Airport, Balti-more 27, Md.

more 21, Md.

ROGERS, CHARLES J. (A152), Project Engr., Nelpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

ROGERS, CLARENCE L., JR. (A154), Elec. Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore, Md.

ROGERS, CLARK L. (M¹56), Electronics Engr., InternatI. Electronics Engrg., Inc., 425 13 St. N.W., Washington, D.C.

D.C.

ROGERS, CLIFFORD H. (A'57-SM'5B), Engr., ABC, 20 N. Wacker Dr., Chicago, III.

ROGERS, DANIEL C. (A'49-M'55), Task Engr., FAA, BRD, Natl, Aviation Facilities Experimental Center, Atlantic City, N.J.

ROGERS, DAVID A. (M'5B), GE Co., 3750 D St., Phila-delphia, Pa.

ROGERS, ELDON J. (S'40-A'45-M'55), Asst. Head, Test & Energization, Bonneville Power Administration, Box 491, Vancouver, Wash.

Vancouver, Wash.

ROGERS, ELMER B. (M¹58), Electronics Scientist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

ROGERS, EUGENE R. (S¹57-M¹58), Engr., Florida Power & Light Co., 400 S.W. 2nd Ave., Miami, Fla.

ROGERS, FRED A. (K¹53-A¹54), Exec., Rogers Electronic Corp., 43-49 Bleecker St., New York 12, N.Y.

ROGERS, FRED L., JR. (M¹57), Assoc. Engr., IBM, Endicott, N.Y.

Endicott, N.Y.

ROGERS, GEDRGE J. (A*53-M*58), Electronics Engr., Natl. Bureau of Standards, Washington 25, D.C.

ROGERS, GORDON F. (A*42-SM*48), Leader, Special Prods., RCA, Camden, N.J.

ROGERS, HAROLD D. (A*53), TechRep., 790th AC & W Sodn., Kirksville, Mo. for RCA, Camden, N.J.

ROGERS, HAROLD D., JR. (S*53-A*54), Field Engr., Stavid Engrg., Inc., Hwy. 22, Plainfield, N.J.

ROGERS, HARTLEY Z. (S*46-A*51-M*57), Broadcast System Engr., Canadian GE Co., 830 Lansdowne, Toronto, Ont., Canada.

ROGERS, HENDERSON H., JR. (M'55), Commercial Sales Engr., Minneapolis-Honeywell Regulator Co., 5440 Gulf Freeway, Houston 21, Tex.

ROGERS, HERBERT L. (S'55-M'58), Elec. Engr., GE Co., 32 & Chestnut, Philadelphia 4, Pa. ROGERS, J. ROBERT (SM'46), Chief Engr., Preliminary Dev. Staff, Aeronautical Div., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn.

Regulator Co., 2600 Ridgway Ra., Minneapolis 13, Minn.
ROGERS, JAMES A. (M'S2), 10917 Ayres Ave., West Los
Angeles, Calif.
ROGERS, JAMES G. (A'56-M'58), Mem. Tech. Staff,
Hughes Aircraft Co., Fullerton, Calif.
ROGERS, JAMES H. (A'54), Apolied Science Sales Rep.,
IBM, 1955 Alameda, San Jose, Calif.
ROGERS, JAMES H. (A'54), Sect. Supvr., Sandia Corp.,
Sandia Base, Albuquerque, N.M.
ROGERS, JAMES M. (S'52-A'55), Sr. Research Engr.,
Autonetics Div. No. Amer. Aviation, Downey, Calif.
ROGERS, JOSEPHA. (S'48-A'49-M'55), Maln. Inspector,
Westinghouse Elec. Corp., 310 S. 24 St., Omaha 2,
Neb.

Neo.
ROGERS, KENNETH O. (S'57-M'59), 2809 S. Bennett St., Wichita 13, Kan.
ROGERS, L. WINSTON (A'51), Transmitter Supvr., Wichita Television Corp., KARD-TV, 833 N. Main, Wichita 5, Kan.

ROGERS, LOUIS J. (A'47-M'52), Head, Electronics & Nucleonics Sect., Union Carbide Olefins Co., South Charleston 3, W. Va.

ROGERS, MELBOURNE A. (A'55), Electronics Engr. Magnavox Co., 2131 Bueter Rd., Ft. Wayne 4, ind.

ton J, W. Va.

ROGERS, MELBOURNE A. (A'55), Electronics Engr.,
Magnavox Co., 2131 Bueter Rd., Ft. Wayne 4, Ind.
ROGERS, MORRIS (M'55), Staff Engr., Martin Co., Baltimore 3, Md.
ROGERS, MORTIMER D. (A'49-M'55), Advisory Mathematician, IBM, Endicott, N.Y.
ROGERS, MORTIMER D. (A'49-M'55), Elec. Engr., John Oster
Mfg. Co., 1 Main St., Racine, Wis.
ROGERS, NOEL A. (S'57-A'58), Elec. Engr., John Oster
Mfg. Co., 1 Main St., Racine, Wis.
ROGERS, PHIL H. (S'44-A'46-M'55), Prof., Elec. Engr.,
Univ. of Arizona, Tucson 25, Afrz.
ROGERS, RAYMOND J. (S'56-M'58), T51 Blossom Rd.,
Rochester, N.Y.
ROGERS, RENE M. (S'44-A'46-M'58), Elec. Engr.,
Varian Associates, 611 Hansen Way, Palo Alto, Calif.
ROGERS, RICHARD S. (S'56-M'58), Jr. Electronics Engr.,
Johns Hookins Hospital, Baltimore, Md.
ROGERS, RICHARD S. (S'56-M'58), Jr. Engr., Leeds &
Northup Co., 4901 Stenton Ave., Philadelphia, Pa.
ROGERS, ROBERT F. (A'51-M'58), Group Engr., Philoc
Corp., 4700 Wissahickon Ave., Philadelphia, Pa.
ROGERS, ROBERT G. (S'45-A'46), Microwave Systems
Engr., GE Co., Advanced Electronics Center, Cornell Airport, Ithaca, N.Y.
ROGERS, ROBERT G. (S'57-M'58), Elec. Engr., Hughes
Aircraft Co., Box 904 26, Los Angeles 45, Calif.
ROGERS, ROBERT M. (M'53), Sr. Staff Engr., Cubic
Corp., 5575 Keamey Villa Rd., San Diego 11, Calif.
ROGERS, ROBERT R. (M'58), Dev. Engr., AirResearch
Mfg. Co., 9551 Sepulveda, Los Angeles 45, Calif.
ROGERS, ROBERT R. (M'58), Dev. Engr., AirResearch
Mfg. Co., 9551 Sepulveda, Los Angeles 45, Calif.
ROGERS, THOMAS E. (M'56), Sr. Design Engr., Convair,
San Diego Calif.

ROGERS, THOMAS E. (M'56), Sr. Design Engr., Convair, San Diego, Calif. ROGERS, THOMAS E. (A'53-M'56), Electronics District Rep., Philico Corp., Tioga & C Sts., Philadelphia 34, Pa. ROGERS, THOMAS F. (M'50-SM"57), Physicist, MIT, Lincoln Lab., Lexington 73, Mass. ROGERS, THOMAS F. (S'57-M'58), Patent Examiner, Secretary of State Dept., Patent Office, Ottawa, Ont., Canada.

ROGERS THOMAS I. (SM'54), Radio Frequency Engr., AT&T Co., 295 Broadway, New York 7, N. Y. ROGERS, WALTER E. (SM'54), Prof., Elec. Engrg., Univ. of Washington, Seattle 5, Wash.

ROGERS, WALTER H., JR. (S'49-A'50-M'58), Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

ROGERS, WALTER S. (A'35), Engrg. Standards, Advance Industries, Inc., 640 Memorial Dr., Cambridge 39, Mass.

Mass.

ROGERS, WILLIAM (S'42-A'45), 260-17 69 Ave., Floral Park, L. I., N. Y.

ROGERS, WILLIAM J. (S'56-M'57), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. ROGERS, WILLIAM J., JR. (S'56-A'56), Staff Asst., Sandla Corp., Sandla Base, Albuquerque, N. M.

ROGERS, WILLIAM M. (S'48-A'52-M'57), Operations Analyst, Hors. Strategic Air Command, USAF, Offutt AFB, Neb.

AFD, NEO.

ROGGENBUCK, ROBERT A. (SM'54), Supvr., Apolled Mathematics Sect., Automotive Research Dept., Ford Motor Co., Engrg., Staff, Box 2053, Dearborn, Mich. ROGGENSTEIN, EDWIN O. (M'53), Consulting & Project Engr., Remination Rand, Inc., Lab. of Advanced Research, South Norwalk, Conn.

ROGICH, STEPHEN G. (A'54-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
ROGNE, ROBERT J. (S'49-A'51-M'57), Electro-Mech. Engr., Natl. Presto Industry, Inc., Eau Claire, Wis.
ROGOFF, JOSEPH B. (A'55), Chief, Physical Medicine & Rehabilitation, Jewish Chronic Disease Hospital, 86 E. 49 St., Brooklyn, N.Y.

St., Brooklyn, N.Y.

ROCOFF, MORTIMER (M'46), Deputy Dir., Engrg., Internatl. Electric Corp., Box 285, Paramus, N.J.

RHODE, ALAN O. (M'57), Suprr., Electronics Engr.,

GS-12, Sacramento Air Material Area, USAF,

McClellan AFB, Calif.

RHODE, LOTHAR (M'55-SM'55-F'56), Owner & Tech. Dir., Rhode & Schwarz, Tassiloplatz 7, Munich 9, Germany

Germany.

RHODE, R. ERLING (S'55-M'56), Asst. Elec. Engr., Argonne Natl. Lab., Lemont, III.

ROHER, NATHAN (A'57), Field Service Rep., Curtiss-Wright Corp., Electronics Div., 631 Central Ave., Carlstadt, N.J.

ROHERTY, THOMAS M. (S'57-M'58), 241 12 Ave., Sea Cliff, L.I., N.Y.

ROHLAND, ALVAR E. (M'58), Engr., Electronic Research, No. Amer. Aviation, Internati. Airport, Los Angeles 45, Calif.

ROHLFS, DERRILL C. (A'51-M'56), Research Engr., Naval Research Lab., Washington 25, D.C. ROHLINGER, DDNALD J. (A'53-M'59), Capt., USAF, Electronics Engr., Whight Air Development Center, Wright-Patterson AFB, Ohlo. ROHLOFF, HOWARD E. (A'48-M'52-SM'54), DIv. Equip-ment Engr., S&W Div., Southern New England Telephone Co., 227 Church St., New Haven, Conn.

ROHN, WILLIAM B. (A153-M157), Engr., Bell Tel. Labs., Whitopany, N.J.

ROIN, WILLIAM B. 04-35-m377, Engr., Bell Tel. Laos., Whippany, N.J.
ROHNER, ARNOLD J. (A'30-M'45), Engr., Baltimore Transformer & Coll Co., 5607 Washington Blvd., Elkridge 27, Md.

27, Md.
ROHNER, GERRIT J. (J'41-A'43-M'48-SM'54), Mgr., Program Control Dept., American Bosch Arma Corp., Garden City, L.I., N.Y.
ROHNER, THOMAS G. (S'54-A'56), Control Design Engr., Electric Machinery Mfg. Co., 800 Central Ave., N.E., Minneapolis 14, Minn.

Minneapolis 14, Minn.

ROHR, JOHN G. (A'52-M'55), Engr., Remington Rand
Univac, 1900 W. Allegheny Ave., Philadelphia 29, Pa.

ROHRBAUGH, PHILIP A. (A'49), Chief Engr., Radio
Hanover, Inc., WHNY, Hanover, Pa.

ROHRER, CYRUS, JR. (A'45-M'55), Electronics Engr.,
Elgin Nati. Watch Co., Elgin, Ill.

ROHRER, FREDERICK D. (M'58), Supt., Federal Electric
Corp., Box 1328, Anchorage, Alaska.

Corp., Box 1328, Anchorage, Afaska.
ROHRER, GEORGE W. (M'52), 1054 19 St., Santa
Monica, Calif.
ROHRER, RAY S. (A'52–M'56), Genl. Service Mor., The
Bimel Co., 2600 Colerain Ave., Cincinnati 14, Ohio.
ROHRER, RAYMOND E. (M'49–SM'56), Partner, Silliman,
Moffet & Rohrer, 1405 G. St., N. W., Washington 5, D.C.
ROHRICH, GEORGE J. (A'26–VA'39), Electronics Tech.
Witter, U. S. Naval Training Publication Center, Anacostia, Washington 25, D.C.

ROHRLE, THEODORE A. (A¹45), Electronics Engr., Signal Equipment Support Agency, Coles Area, Ft. Mormouth,

N.J.

ROHS, ALDON H. (S'58-M'59), Jr. Engr., Bendix Aviation Corp., Kansas City, Mo.

ROIZ, ERNEST F. (M'58), Engr., Collins Radio Co., 2700 W. Olive, Burbank, Calif.

ROIZEN, JOSEPH (M'57), Project Leader, Ampex Corp., 934 Charter, Redwood City, Calif.

ROJAK, FREDERICK A. (S'46-A'49-M'58), Elec. Engr., GE Co., Syracuse, N.Y.

ROJAS, FERNANDO R. (A'44-SM'46), Engro. Supvr., NBC, 30 Rockefeller Plaza, New York, N.Y.

ROJAS H., ANGEL M. (A'35-M'56), Chief Engr., Cia. Radiodifusora de Piedras Negras., S.A., Radiostation X.E.L.O., 1155 Calle Merida, C. Juarez, Chihuahua, Mexico.

Mexico.

ROJAS, RICHARD R. (S'52-A'53-M'58), Project Engr.,
Philo Corp., 4700 Wissahickon Ave., Philadelphia 44,
Pa.

ROJKO, RICHARD M. (S'54-M'56), Recording Engr., RCA,

Indianabils, Ind.

ROKAW, LEONARD (M'58), Chief, Tech. Information Div.,
U.S. Army Signal Research & Development Lab., Ft.

Monmouth, N.J.

Monmouth, N. J.

ROKES, NEWTON W. (A¹47), Dev. Engr., McDonnell Aircraft Co., Lambert Field, St. Louis 3, Mo.

ROKOSZ, ANTHONY J. (A¹46), TV Tech. Engr., NBC, 30

ROckefeller Plaza, New York 20, N.Y.

ROLAND, LEWIS F. (S¹50-A¹51), Genl. Supvr., System

Test & Analysis, Nortronics Div., Northrop Aircraft, Inc.,

Hawthorne, Calif.

ROLF, THEODORE E. (M'54), Elec. Engr., RCA, Camden,

N.J., WARREN R. (M'47-SM'53), Design & Dev. Engr., Sylvania Elec. Prods., Inc., Emporium, Pa. ROLFE, FRED R. (A'53-M'58), 3632 N.W. 7 Ave., Gainesville, Fla.

ROLFE, JOSEPH J. (S'54-M'57), Research Engr., Missiles & Space Div., Lockheed Aircraft Corp., Palo Alto, Calif.

ROLFE, ROBERT C. (M158), Project Engr., IBM, Kingston,

ROLFE, ROBERT C. (M'58), Project Engr., IBM, Kingston, N.Y.

ROLFE, ROBERT G. (A'53-M'58), Electronics Engr., U. S. Naval Ordnance Lab., White Oak, Md.

ROLFS, JOHN C. (M'54), Group Leader, Geni. Precision Labs., Pleasantville, N.Y.

ROLFS, JOHN R. (S'55-M'58), Tape Preparation Systems Engr., Remington Rand Univac, St. Paul 16, Minn.

ROLING, JAMES T. (M'57), Engr., Sylvania Elec. Prods., Inc., Burlington, Jowa.

ROLINSKI, ANDREW J. (S'53-A'54), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

ROLL, ANDERS (A'46-M'57), Engr., Telefonaktiebolaget, L. M. Ericsson, Moindalsfabriken, Box 5106, Goteborg 5, Sweden.

ROLLAND, STUART F. (M'52), Treas., Rolland Lyman & Burnett, Ltd., 430 St. Francois Xavier St., Montreal, P.Q., Canada.

ROLLERSON, KARL E. (M'44-SM'49), V.P., The

& Burnett, Ltd., 4-3D St. Francois Xavier St., Montreal, P.Q., Canada.

ROLLEFSON, KARLE. (M'44-SM'49), V.P., The Muter Co., 1255 S. Michigan Ave., Chicago 5, III.

ROLLER, EDWIN R. (A'45), Owner, E. R. Roller Co., Fox Rd., Putnam, Corn.

ROLLERT, CARLR. (M'49), Sales Mgr., Communication Accessories Co., Lee's Summit, Mo.

ROLLIN, RUSSELL A., JR. (S'47-A'53-M'57), Research Physicist, Univ. of Michigan, Willow Run Labs., Ypsil-anti, Mich.

ROLLINS, CHESTER W. (A'57), Dir., Operations, KXII-TV, Box 1246, Admore, Okla.

ROLLINS, DAVID F. (S'53-A'54), Research Engr., Edgerton, Gemeshausen & Grier, Inc., 1622 S. "A" St., Las Vegas, Nev.

ROLLINS, ELLSWORTH A. (S'50-A'53-M'5B), Test Lab. Supvr. & Specifications Engr., Sylvania Elec. Prods., Inc., 148 St., Wheeling, W. Va.

ROLLINS, JAMES A., JAR. (S'55-M'56), Instrument

Prods., Inc., 148 St., Wheeling, W. Va.
ROLLINS, JAMES A., JR. (S'55-M'56), Instrument
Engr., Acton Labs., Inc., 533 Main St., Acton, Mass.
ROLLINS, JOHN, JR. (M'58), Design Specialist, Martin
Co., Orlando, Fla.
ROLLINS, MALCOLM M. (S'55-M'59), Jr. Engr., Philco
Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
ROLLINS, REDFORD C. (M'56), Sr. Industrial Engr.,
Stanford Research Institute, Menlo Park, Calif.

ROL-ROS - 353 -

- ROLLMAN, RICHARD F. (M'46), Bell Tel. Labs., Murray Hill, N.J.

- ROLLMAN, RICHARD F. (M'46), Bell Tel. Labs., Murray Hill, N.J.

 ROLLO, REED T. (A'55), Lawyer, Specializing in Communications, Kirkiand, Ellis, Hodson, Chaffetz & Masters, 800 World Center Bidg., Washington 6, D.C.

 ROLLY, WILLIAM J. (A'55), Professional Prods. Quality Control Dept. Mgr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 ROLNICK, MEYER A. (S'51-A'52-M'57), Engr., U.S. Army Signal Corps, 18 & Locust Sts., Philadelphila, Pa. ROLNICK, MEYER A. (S'48-A'50-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 ROLDFF, WILLIAM T. (M'57), Mgr., Head Office Sales Oppt., Tech. Prods., RCA Victor Co., Ltd., 1050

 Lacasse St., Montreal, P.Q., Canada.

 ROLPH, DOMALD B. (S'51-A'53-M'57), Dev. Engr., Sunnyvale Dev. Center, Sperry Gyroscope Co., 294

 Commercial St., Sunnyvale, Calif.

 ROLT, GEORGE H., JR. (S'51-A'53), Mathematician, Systems Development Corp., 2400 Colorado Ave., Santa Monica, Calif.

 ROMAIN, DE FOREST O. (A'54), Sound Engr., B. Elchwa

- Monica, Cailf.

 ROMAIN, DE FOREST O. (A'54), Sound Engr., B. Elchwald
 Co., United Nations, New York, N.Y.

 ROMAINE, GEORGE E. (S'50-A'54-M'59), Sr Engr.,
 Raytheon Mig. Co., Maynard, Mass.

 ROMAINE, WILLIAM R. (M'55), Electronics Engr., Nati.
 Security Agency, Ft. Meade, Md.

 ROMAKER, PAUL F. (S'58-A'59), Instrumentation Mech.
 'A', Research & Dev. Labs., Convair, Ft. Worth, Tex.
 ROMAN, ALFRED F. (M'54), Mgr., Tube Div., Electronic
 Tube Corp., 1200 E. Mermaid Lane, Philadelphia 18, Pa.
 ROMAN, ALRBERT (M'54). Sr. Field Fonr., Philo Corp..
- Tube Corp., 1200 E. Mermaid Lane, Philadelphia 18, Pa ROMAN, ROBERT (A'54), Sr. Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. ROMAN, ROBERT J. (SM'55), Project Engr., Eastman Kodak Co., 400 Plymouth Ave., N., Rochester 4, N.Y. ROMANDER, HUGO (A'28-VA'39-SM'51), Project Engr., Sierra Electronic Corp., 3885 Bohannon Dr., Menlo Park, Calif.
- ROMANDIA, RAUL R. (S'51-A'53), Sr. Desinn Engr., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

- 6, Calif.

 ROMANELLI, JOHN (S'51-A'51-M'56), Dev. Engr.,
 Hughes Aircraft Co., Fullerton, Calif.

 ROMANELLI, PATSY A. (S'48-A'41-M'55), Chlef,
 Microwave Duplixers & Associated Components Sect.,
 Rome Air Development Center, Griffiss AFB, N.Y.

 ROMANELLO, ANTHONY C. (S'53-A'55-M'58), Flight
 Test Engr., Genl. Precision Labs., Pleasantville, N.Y.

 ROMANO, ALBERT J. (M'56), Sales Mgr., Rectifier
 Oiv., Audio Devices, Inc., 620 E. Dyer Rd., Santa Ana,
 Calif.
- ROMANO, ANTONIO (S'57-A'59), Electronics Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.
- ROMANO, OONALD S. (SM'59), Sr. Engr., Advance Industries, Inc., 640 Memorial Dr., Cambridge, Mass. ROMANO, GEORGE F. (A'51-M'56), 1002 Dunraven Dr., Winter Park, Fia.

- Winter Park , Fia .

 ROMANO , JULIO A . (S'56-A'57), Tech . Asst. , Bell Tel . Labs. , Whippany , N. J.

 ROMANO , LOUIS P . (A'55), Engr. , Ewen Knight Corp. , 206 A St. , Needham 94, Mass .

 ROMANO , MURRAY (S'57-A'59), Engr. , Sperry Gyroscope Co. , Great Neck , L. I. , N. Y.

 ROMANO , SALVATORE A . , JR . (M'56) , Elec . Engr. , Western Union Telegraph Co. , 60 Hudson St. , New York , N. Y.
- ROMANO, SAM S. (A'51), Chief Electronics Engr., Webster-Chicago Corp., 5610 W. Bjoomingdale Ave., Chicago 39, III.

- Webster-Chicago Corp., 5610 W. Bloomingdale Ave., Chicago 39, Ill.

 ROMANO, VINCENT J. (S'49-A'50-M'5B), Group Engr., Philoc Corp., Western Div. Lab., 3875 Fablan Way, Palo Alto, Calif.

 ROMANOFSKY, NICHOLAS K. (S'47-A'50-M'55), Sr. Engr., Philoc Corp., Govt & Industrial Olv., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 ROMANS, CLAUDE N. (S'56-M'5B), Design Engr., Motorola, Inc., 6201 E. McCowell, Phoenix, Ariz.

 ROMANS, WILLIAM E. (A'51), Field Engr., Sperry Gyroscope Co., Great Neck, L.I. N.Y.

 ROMANS, WILLIAM E. (M'5B), Research Engr., Univ. of Texas, Dallas, Tex.

 ROMANS, MILLIAM E. (M'5B), Formalis, John Common Common
- ROMEO, DOMENICK J. (M'59), Test Engr., Convair,
- ROMEO, DOMENICK J. (M'59), Test Engr., Convalr, Pomona, Calif.

 ROMER, WILLIAM J. (M'56), Sr. Electronics Engr., USCG. 1300 E St., Washington, D.C.

 ROMERO, ROBERT F. (A'46-M'55), Sr. Engr., Adler Electronics Co., Inc., 2 Lefevre Lane, New Rochelle, N.Y.

 ROMEY, L. MAX (M'54), Sales Engr., Westinghouse Elec. Corp., Box 117, Eastwood Sta., Syracuse, N.Y.

 ROMIG, HARRY G. (SM'51), Reliability Dir., Hoffman Labs. Div., 3717 Grand Ave., Los Angeles 7, Calif.

 ROMITI, VIRGIL. L. (S'56-M'57), 1st Lt., USAF, Hgrs., APGC (AROCKPGFE), Eglin AFB, Fla.

 ROMNES, H. I. (SM'46), Pres., Western Electric Co., 195 Broadway, New York 7, N.Y.

 ROMMEY, EDWARD (A'44), Prospect St., Milford, N.H.

 ROMOSER, P. E. (A'45-M'55), Service & Dev. Engr., Lorain County Radio Corp., 203 9 St., Lorain, Ohio.

 RONA, THOMAS P. (SM'56), Asst. Prof., MIT, Cambridge 39, Mass.

 RONBECK, JOHN E. (S'50-A'52-M'57), Elec. Engr., Eastman Kodak Co., Rochester, N.Y.

 RONCI, VICTOR L. (SM'51), Dir., Dev., Bell Tel. Labs., 555 Union Bilvd., Allentown, Pa.

 RONCER, ROGER (M'45), Mgr., S. A. Phillips, 37 Ave., Maillard, Brive, Correze, France.

 RONDEAU, JEAN P. (S'56-M'58), Engr., Canadian Broadcasting Corp., 5253 Decarle, Montreal, P. Q., Canada.

 RONDEL, VICTOR D. (A'52), Repairman, Owner, Audio Repair Service, 3612 Coral Way, Miamí 45, Fla.

- RONEY, ELLIS L. (A'43-M'49-SM'54), Dev. Engr., Instrumentation, Sylvania Electronics Defense Lab., Mountain View, Calif. RONEY, ROBERT K. (A'52-M'57), Head, Systems Analysis Lab., Hughes Aircraft Co., Culver City, Calif. RONIS, WILLIAM J. (M'59), Project Engr., Gabriel Electronic Div., 135 Crescent Rd., Needham, Mass.
- Electronic DIV., 135 Crescent Rd., Needham, Mass. RONNE, JAMES S. (S'54-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whilippany, N.J. RONNING, H. (A'44), Genl. Foreman, Test Equipment Dept., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.
- RONNING, H. NORMAN (S'54-A'55), Electronics Engr., U.S. Naval Ordnance Test Sta., Michelson Lab., China Lake, Calif.
- Lake, Calif.

 RONSON, HARRY T. (A'46), Electronics Engr., 283
 Main St., Matawan, N.J.

 RONZHEIMER, STEPHEN P. (S'42-A'44-M'46-SM'54),
 Supvg. Engr., Hazeltine Research, Inc., 5445 W.

 Olversey Ave., Chicago 39, III.
- ROOD, JOHN W. (S'56-M'58), 442 N. Aurora St., Ithaca,
- N.Y.
 ROOD, ROBERT S. (S'55-M'56), BMEWS Equipment
 Integration Engr., RCA Service Co., Moorestown, N.
 ROODE, RALPH J. (A'54), Sr. Engr., Martin Co.,
 Baltimore 3, Md.

- RODE, RALPH J. (4'54), Sr. Engr., Martin Co.,
 Baltimore 3, Md.
 ROOK, CHARLES W. (A'43-M'47), Electronics Project
 Engr., Motorola, Inc., 8201 E. McDowell, Phoenix, Ariz.
 ROOK, SEYMOUR (A'53), Sr. Engr., Ford Instrument Co.,
 31-10 Thomson Ave., Long Island City 1, N. Y.
 ROOKER, WILLIAM T., JR. (M'59), Applied Science Rep.,
 IBM, 111 Connecticut Ave., N. W., Washington, D.C.
 ROOKS, HOWARD B. (S'50-A'51-M'56), Engr., Collins
 Radio Co., Cedar Rapids, Iowa.
 ROONEY, JOHN D. (M'48), District Communication Officer,
 Cmdr., USN, District Hors. 4th Navai District, U.S.
 Naval Base, Philadelphia 12, Pa.
 ROONEY, JOHN P. (M'57), Engr., Microwave Techniques,
 GE Microwave Lab., 601 California Ave., Palo Alto, Calif.
 ROONEY, THOMAS J. (S'51-A'51-M'56), Elcotronias Engr.,
 GE Co., Advanced Electronics Center, Inhaca, N. Y.
 ROONEY, WILLIAM V. (S'50-A'51-M'56), Tech. Writer,
 IBM, Kingston, N. Y.
 ROOP, LE ROY H. (A'55), Test Equipment Dev., Douglas
 Aircraft Co., Inc., Tulsa, Okla
 ROOP, ROBERT W. (SM'57), V.P., Genl. Atronics Corp.,
 1 Bala Ave., Bala-Cynwyd, Pa.
 ROOSSIN, NATHANIEL (M'54), Mgr., Engrg., Administration,
 National Co., 111 Washington St., Melrose, Mass.
 ROOT, AUGUSTIN A. (M'56), Administrator, Tech. Personnel,
 GE Co., Power Tube Dept., Schenectady, N. Y.
 ROOT, CHARLES S. (A'41-M'45-SM'51), Head, RF
 Equipment Sect. & ARC 6B/Hacon Coordinator, Hughes
 Aircraft Communications Div., Box 90902, Airport Sta.,
 Los Angeles 45, Calif.
 ROOT, DONALD E. (M'56), Administrative Mgr., Cubic

- And the sect of the section of the s

- Camoen, N.J.
 ROOT, ROLAND E. (S'52-A'53-M'58), Test Engr., Bendix
 Aviation Corp., Mishawaka, Ind.
 ROOT, WILLIAM E. (M'58), Technician, GE Co., 3198
 Chestnut St., Philadelphia 4, Pa.
- ROOT, WILLIAM L. (SM'56), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass. ROOTS, EDMUND N. JR. (S'54-M'56), Instr., Dept. Elec. Engrg., Texas A&M College, College Station, Tex.
- ROOTS, WILLIAM K. (SM'56), Mgr., Engrg., Canadian Line Materials, Ltd., P.O. Sta. H, Toronto 13, Ont., Canada.
- Canada.

 ROPA, RICHARD L. (A'51-A'53-M'53-SM'56), Head,
 Communications & Tracking, Lockheed Missiles & Space
 Div., 3251 Hanover St., Palo Alto, Calif.
 ROPER, MILTON M. (M'57), Elec. Engr., No. Amer.
 Aviation, Downey, Calif.

- Aviation, Downey, Calif.
 ROPER, WILLIAM J. (S'55-M'56), Engr., Northrop Corp.,
 Hawthome, Calif.
 ROPIEQUET, RICHARD L. (A'51-SM'54), V.P., Engrg.,
 Tektronix, Inc., 80x 831, Portland 7, Ore.
 RORANT, JOHN H. (S'57-A'58), Computer Technician,
 Burroughs Corp., Box 4317, Patrick AFB, Fla.
 RORDEN, LOUIS H. (M'57), Research Engr., Stanford
 Research Institute, Menio Park, Calif.
 RORDEN, ROBERT J. (S'51-A'52-M'55), Sr. Engr., Varian
 Associates, 611 Hansen Way, Palo Alto, Calif.
 RORNON, T. BIORN A. (M'49), Cal., Royal Norwegian Army.
- RORHOLT, BJORN A. (M'49), Col., Royal Norwegian Army, Chief of Norwegian Joint Signals Administration, Box 135, Oslo, Norway.

- Chief of Norwegian Joint Signals Administration, Box 135, Osio, Norway.

 ROSA, GILBERT N. (S'47-A'48-M'55), Dir., Special Project Div., Statham Labs., Inc., 12401 W. Olympic Blvd., Los Angeles 64, Calif.

 ROSALER, ROBERT C. (SM'55), V.P., Pitometer Log Corp., 237 Lafayette St., New York 12, N.Y.

 ROSANES, ALBERT P. (A'54-M'55), Engr., II), Hazeltine Electronic Div., Little Neck 62, L.I., N.Y.

 ROSARS, MICHAEL T. (S'44-A'45-S'47-A'48-M'55), TV Tech. Dir., NBC, 30 Rockfefler Plaza, New York 20, N.Y.

 ROSATO, FRANK J. (M'54-SM'56), Sr. Engr., Specialist, Sylvania Elec. Prods., Inc., Waltham, Mass.

 ROSBURY, FLOYD H. (A'56), Suprv., Electronic Fabrication, Chrysler Corp., Missile Div., Warren, Mich.

 ROSCHEN, JOHN (S'52-A'53-M'58), Engr., Group Supvr., Lansdale Tube Co., Clurch Rd., Lansdale, Pa.

 ROSCHKE, TREODORE H., JR. (A'54-M'59), Flac Fortillander Marches Corp., John M. (S'41-A'43-SM'53), TV Research Engr., Zenith Radio Corp., 6001 Dickens, Chicago 39, III.

- III.
 ROSCHKE, THEODORE H., JR. (A'54-M'59), Elec. Engr.,
 Universal Match Corp., 472 Paul Ave., Ferguson, Mo.
 ROSE, ALLAN C. (A'54), Patent Akty, Engelhard Industries, 113 Astor St., Newark 2, N.J.

- ROSE, ALBERT (A'36-M'40-SM'43-F'48), Physicist, RCA, Princeton, N.J.
 ROSE, ALBERT E., JR. (S'53-A'54-M'59), Lt. Cmdr., USN, Supship, Groton, Conn.
 ROSE, ALFRED (A'45-M'55), Mng. Dir., Direct Television Repfacements, 138 Lewisham Way, New Cross, London, S.E., 14, England.
- Replacements, 136 Lewisham way, new viruss, London, S.E., 14, England,
 ROSE, ALFRED B. (A'50), Pres., Natl. Plan Corp., Ltd., 26 Queen St., E., Toronto, Ont., Canada.
 ROSE, ARTHUR F. (M'24-SM'43), Communication Consultant, 2 Washington Souare Village, New York 12, N.Y.
 ROSE, CARL E. (S'57-A'59), Field Engr., IBM, 590
 Madison Ave., New York 22, N.Y.
 ROSE, CHARLES F. P. (A'22-M'40-SM'43), Mem. Tech.
 Staff, Bell Tel. Labs., Red Bank, N.J.
 ROSE, DONALD J. (S'56-M'57), Research Engr., No.
 Amer. Aviation, Inglewood, Calif.
 ROSE, EARL P. (S'56-A'58), Technician, R.A.O. Avco,
 201 Lowell St., Wilmington, Mass.
 ROSE, FRANK L. (A'52-M'57), Elec. Engr., Gilbert Associates, Inc., 525 Lancaster Ave., Reading, Pa.
 ROSE, FRED C. (A'42-M'55), Asst. Project Engr., Curtiss-

- ciates, Inc., 528 Lancaster Ave., Reading, Pa.
 ROSE, FRED C. (A'42-M'55), Asst. Project Engr., Curtiss-Wright Corp., Caldwell, N.J.
 ROSE, GEORGE D., JR. (S'54-M'57), Elec. Engr., GE
 Co., Lynchburg, Va.
 ROSE, GEORGE M., JR. (A'31-M'38-SM'43-F'54), Mgr.,
 Receiving Tube Advanced Oev., RCA, Harrison, N.J.
 ROSE, GERALD C. (M'57), 2nd Lt., U. S. Army, Corps of
 Engrs., Home: 615 W 21 St., Connersville, Ind.
 ROSE, GUS C. (M'57), Sr. Electronics Design Engr.,
 Motorola, Inc., 4501 W. Augusta Bivd., Chicago 51, III.
 ROSE, HARRY E. (A'47-M'55), Sr. Engr., RCA, Camden 2,
 N.J.
- ROSE, JOSEPH (M'50), Chief, Radio Branch, U. S. Army Signal Engrg. Agency, Arlington Hall Sta., Arlington 12, Va.

- va.

 ROSE, JOSEPH E. (M¹56), Staff Engr., Anderson-Nichols & Co., 150 Causeway, Boston 14, Mass.
 ROSE, JOSEPH K. (A¹27-VA¹39-M¹55), Owner, J. K.
 Rose & Co., 1116 Linden Ave., Highland Park, III.
 ROSE, LEONARD (S¹56-M¹58), 762 E. 3rd St., Brooklyn

- ROSE, LEONARD (S'56-M'58), 762 E. 3rd St., Brooklyn 18. N.Y.

 ROSE, LEVILL (A'58), Elec. Engr., Halllorafters Co., 4401 W. 5 Ave., Chicago 24, III.

 ROSE, LOUIS H. (SM'53), Prof. & Head, Elec. Engra. Dept., Univ. of Dayton, 300 College Park, Dayton 9, Ohlo. ROSE, ROBERT H., II (S'43-A'45-M'54), Asst. Prof., Newark College of Engra., 367 High St., Newark 2, N.J. ROSE, RODERICK M. (S'157-M'59), Engr., Industrial Research, Inc., 4016 N.W. 29 St., Miami 42, Fla. ROSE, SIDNEY (S'55-M'56), Engr., American Arma Corp., Garden City, L.I., N.Y.

 ROSE, SYDNEY P. (4'42), Mngt. Consultant, Urwick Orr & Partners, Ltd., Baylis House, Stoke Poges Lane, Slough Bucks., England.

 ROSE, THEODORE T. (A'47), Pres., Dialight Corp., 60 Stewart Ave., Brooklyn 37, N.Y.

 ROSE, TOMMY L. (A'54), Lialson Engr., Space Technology Labs., Inc., 5730 Arbor Vitae St., Los Angeles 45, Calif. ROSE, WILLIAM (S'52-A'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 ROSE, WILLIAM (A'53-M'59), Sr. Engr., RCA, Camden, N.J.

 ROSE, BILLIAM (S'67-33), Genl. Mor., Tellurometer
- N.J.
 ROSEBURGH, R. KEITH (A'53), Geni. Mgr., Tellurometer Canada, Ltd., 1562 Carling Ave., Ottawa, Ont., Canada. ROSELLI, DOMENIC J. (A'45), Engrg., Consultant, BB Dillingham Pl., Englewood Cilffs, Englewood, N.J.
 ROSEMAN, HOWARD M. (S'49-A'52-M'57), Functional Engr., Control Equipment, GE Co., 3198 Chestnut St., Philadelphia, Pa.
- ROSEN, ALVIN A. (S'59-M'59), Jr. Engr., Bendix Radio Oiv., Towson, Md.

- Oiv., Towson, Md.

 ROSEN, ARNOLD (A'53-M'58), Sr. Electronics Engr.,
 W. L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

 ROSEN, BENJAMIN M. (S'53-M'56-S'57-M'58), Systems Engr., Sperry Gymscope Co., Great Neck, L.I., N.Y.

 ROSEN, BERNARD (A'51-M'56), Sect., Head, Test Equipment, Polarad Electronics Corp., 43-20-34 St., Long
 Island City 1, N.Y.

 ROSEN, BERNARD (M'58), Engr., RCA, 75 Varick St.,
 New York, N.Y.

 ROSEN, BORIS H. (A'54-M'59), Standards Engr. on Cathode
 Ray & Photo Tubes, RCA, Camden, N.J.

 ROSEN, CHARLES A. (A'44-M'52-SM'56), Head, Applied
 Physics Group, Stanford Research Institute, Menio Park,
 Calif.

 ROSEN, DAN (A'59), Engr., Ministry of Defence P.O. B. 1
- ROSEN, DAN (A'59), Engr., Ministry of Defence, P. O. B. 1, Kiryat-Mozkin, Israel. Kiryat-Mozkin, Israel. Rosen, GEORGE (S'49-M'59), MIT Research Lab. of Electronics, Cambridge 39, Mass.

- RIPyat-Mozkin, Israel.

 ROSEN, GEORGE (S'49-M'59), MIT Research Lab. of Electronics, Cambridge 39, Mass.

 ROSEN, GERARD (S'55-M'57), Field Service Engr., Lab. for Electronics, Commonwealth Ave., Roston, Mass.

 ROSEN, HAROLD A. (S'50-A'52-M'57), Asst. Mgr., Radar Dev. best., Hundres Aircraft Co., Culver City, Calif.

 ROSEN, HARRY H. (S'M'52), Mgr., Data Processing & Computation, GE Co., 3198 Chestnut St., Philadelphia 4, Pa.

 ROSEN, HERBERT H. (S'51-A'54-M'57), Deputy Dir., Public Information, Natl. Aeronautics & Space Administration, 152 OH St., N. W., Washington 25, D.C.

 ROSEN, HEYMAN (M'58), Chief Elec, Engr., Flight Support, Inc., 159 Forrest St., Metuchen, N. J.

 ROSEN, LEO (S'38-M'47-SM'54), Supva, Partner, Anderson-Nichols & Co., 150 Causeway St., Boston 14, Mass., ROSEN, MEYER (A'51-M'56-SM'58), System Analyst, Airborne Instrument Lab., Mineola, L. I., N. Y.

 ROSEN, SAMUEL A. (N'57), Research Engr., Ford Motor Co., Box 2053, Oearborn, Mich.

 ROSEN, SAMUEL A. (S'48-A'51-M'56), Mgr., Electronics Dent., Rantec Corp., 23999 Ventura Blvd., Calabasas, Calif.

 ROSEN, SAMUEL A. (S'48-A'51-M'56), Mgr., Electronics Dent., Rantec Corp., 23999 Ventura Blvd., Calabasas, Calif.
- ROSENBAUM, ALVIN H. (A'35-VA'39), Research, Sigmund Cohn Corp., 121 S. Columbus Ave., Mt Vernon, N.Y. ROSENBAUM, JACOB (J'27-A'35-VA'39-M'48), Pres., Elk Electronics Labs., Inc., 333 W. 52 St., New York 19, N.Y.
 - GOSENBAUM, JULES L. (A'56), Dir., Quality Comtrol, Greenfield Electro-Mechanical Engrg. Corp., 11816 Teale St., Culver City, Calif.

- ROSENBAUM, PAUL L (S'56-M'59), 50 Park Ter., E., New York 34, N.Y.
- New York 34, N.Y.

 ROSENBERG, ALBERT L., JR. (A'52-M'57-SM'57), Dev. & Design Engr., RCA; Moorestown, N.J.

 ROSENBERG, ALLEN E. (A'54), District Mgr., New England, Internati. Rectifier Corp., 17 Ounster St., Cambridge, Mass.

- Cambridge, Mass.

 ROSENBERG, ARNOLD (A'54), Pres., Arnold Rosenberg Co., 733, 15 St., N.W., Washington 5, D.C.

 ROSENBERG, DAVID (S'50-A'54-M'58), Instr., Elec. Engrg., New York Univ., Bronx 53, N.Y.

 ROSENBERG, HAROLD J. (SM'52), Staff Asst., Genl. Precision Lab., Pleasantville, N.Y.

 ROSENBERG, HAROLD W. (A'45-M'52), Electronics Oev. V.Y.

 ROSENBERG, HAROLD W. (A'45-M'52), Electronics Oev. V.Y.

 ROSENBERG, HARVEY (S'51-A'53-M'58), Dev. Engr., Burrough's Corn., Paoli, Pa.

 ROSENBERG, HERBERT A. (A'53), Communications Engr., Owner, Mobile Communications Service Co., Inc., 147

 Wheeler Ave., Bridgeport 6, Com.

 ROSENBERG, HERBERT J. (A'57), Chief Engr., United Mineral & Chemical Corp., 16 Hudson St., New York 13, N.Y.

 ROSENBERG, HERBERT S. (A'55), Mer. Took Seaff

- ROSENBERG, HERBERT S. (A'55), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.
- Canthian ROSENBERG, HERMAN C. (M'57), Sr. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
 ROSENBERG, JACK (A'48-M'48), Mgr., Engrg., Electronic Control Systems, Stromberg-Carlson Co., 2231 S. Barrington Ave., Los Angeles 64, Calif.
- ROSENBERG, JEROME D. (A'49-M'52), Group Leader, Nuclear Instrumentation, Diamond Ordnance Fuze Labs., Washington 25, D.C.
- ROSENBERG, JEROME M. (S'4B-A'49-M'53-SM'57), Group Engr., Philoo Corp., 3B75 Fabian Way, Palo Alto, Calif.
- Cair.

 ROSENBERG, LAWRENCE (A'56), Sr. Project Engr.,

 ITT Labs., Nutley 10, N.J.,

 ROSENBERG, MELVIN (A'53-M'5B), Supvy. Electronics

 Scientist, U.S., Naval Material Lab., New York Naval Shipyard, Brooklyn, N.Y.
- ROSENBERG, MILTON (A'47-M'55), Dir., Advanced Dev., Telemeter Magnetics, 2245 Pontius, Los Angeles 64, Calif ROSE:BERG, MILTON W. (A'47), Project Engr., Rome Air Development Center, Griffiss AFB, N. Y. ROSENBERG, NATHAN A. (A'51-M'56), Engr., RCA, Camden 2, N. J.
- Camden 2, N.J. ROSENBERG, NEAL (A'57), Design Engr., RCA, Moorestown,
- N.J.

 ROSENBERG, PAUL (A'43-SM'53), Pres., Paul Rosenberg
 Associates, 100 Stevens Ave., Mt. Vernon, N.Y.

 ROSENBERG, RAYMONO S. (A'51-M'56), Sr. Electronics
 Engr., Genl. Electronic Labs., Inc., B521 2nd Ave.,
 Silver Spring, Md.
- Silver Spring, Md.

 ROSENBERG, ROBERT E. (A'54), Sales Engr., Joe Oavidson & Associates, Box 10B, South Gate, Calif.

 ROSENBERG, SIDNEY (A'46-5M'53), Head, Systems integration Activities, Govt. & Industrial Div., Sierra Electronic Corp., Bohannon Dr., Menlo Park, Calif.

 ROSENBERG, STANLEY L. (A'46-M'55), Genl. Mgr.,
 Telectro-industries Corp., 35-16-37 St., Long Island
 City 1, N. Y.

- Telectro-industries Corp., 39-16-37-57., Long Island City 1, N.Y.

 ROSENBERRY, WILLIAM J. (M'53), Research Engr., Boeing Airplane Co., Seattle, Wash.

 ROSENBERRY, WILLIAM W. (S'47-A'49-5M'54), Head, Shipboard Systems Branch, Instrumentation Div., U.S.

 Naval Engrq. Experiment Sta., Annapolis, Md.

 ROSENBLATT, ABRAHAM (S'55-A'56), Electronics Technician, GE Co., Hancock Field Test Site, Syracuse, N.Y.

 ROSENBLATT, ARTHUR B. (S'58-A'59), Assoc. Instr., Capitol Radio Engrg. Institute, 3224-16-51., N.W.

 Washington 10, D. C.

 ROSENBLATT, HARLAN (M'5R). Evaluation Specialist
- Wayneshor, Va. Waynes

- ROSENBLATT, MURRAY (M'5B), Sr. Dev. Engr., GE Co., Waynesboro, Va.

 ROSENBLATT, PHILIP (M'57), Logical Designer, The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn. ROSENBLOOM, ARNOLO (S'4B-4'52-M'57), Mem. Sr. Staff, Space Technology Labs., 5730 Arbor Vitae, Los Angeles 45, Calif.

 ROSENBLOOM, FREDRIC H. (S'5B-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 ROSENBLUM, HAROLD (SM'59), Head, Air Tactics Branch, U.S. Naval Training Device Center, Port Washington, L. I., N.Y. ROSENBLUM, IRVIN I. (A'50-M'55), Group Engr., Electronics, Martin Co., Baltimore 3, Md.

 ROSENBLUM, PHILIP (M'5B), Staff Mem., Aeronutronic Systems, 1234 Airway Ave., Glendale, Calif.

 ROSENBLUM, PHILIP (M'5B), Staff Mem., Lectronic Research Associates, 67 Factory Pl., Cedar Grove, N.J.

 ROSENBLSCH, FRANKLIN (A'55), Jr. Engr., Electronic Research Associates, 67 Factory Pl., Cedar Grove, N.J.

 ROSENBLOT, Toledo Police Oet., 601 Michigan, Toledo 2, Ohio.

 ROSENCRANZ, ROBERT (S'46-A'49-M'54), December 19 Proposed 19 Pr

- Ohio.

 ROSENCRANZ, ROBERT (S'46-A'49-M'56), Research
 Engr., Clearing Machinery Div., U.S., Industries, 6499
 W. 65 St., Chicago 3B, III.,
 ROSENER, GEORGE M. (M'59), Special Rep., Philoo
 Corp., Talbott Bildg., Dayton, Ohio.
 ROSENES, OSCAR (S'56-M'57), Design & Dev. Engr.,
 MIT Instrumentation Labs., Cambridge 39, Mass.
 ROSENFELD, AARON (S'49-A'51-M'57), Chief Project
 Engr., Kepco., Inc., 131-38 Sanford Ave., Flushing 55,
 L.I., N.Y.
- Engr., Kepco. Inc., 131-38 Sanford Ave., Flushing 55, L.I., N.Y.

 ROSENFELD, RALPH (SM'57), Chief Engr., Munston Mfg. & Service, Inc., Beech St., Islip, L.I., N.Y.

 ROSENFELDER, GERALD S. (S'4B-A'52-M'57), Supvr., Process Engrg., Semiconductor Prod. Dept., GE Co., 1495 Fillmore Ave., Buffalo 11, N.Y.

 ROSENER, GEORGE M. (M'59), Special Rep., Philco Corp., Talbott 8ldg., Dayton, Ohio

 ROSENHAFT, MORTIMER (A'58), Asst. Branch Chief, Oiamond Ordnance Fuze Labs., Washington 25, O.C.

 ROSENHECK, BERNARD M. (S'54-A'55), Project Engr., Hudson Labs., Columbia Univ., Oobbs Ferry, N.Y.

 ROSENHEM, DONALD E. (SM'56), Project Engr., BM Watson Labs., 612 W. 116 St., New York 27, N.Y.

 ROSENMEDTTER, ELWOOD A. (A'50-M'56), Sr., Group Engr., Electronics, McDonnell Aircraft Corp., Lambert Field, St. Louis, Mo.

- ROSENKRANZ, CHARLES A. (S'57-A'59), Field Service, Boeing Afrolane Co., Box 3707, Seattle 24, Wash. ROSENMAN, OANIEL (A'56), Sales Mgr., Brach Mfg. Corp. Div., Genl. Bronze Corp., 200 Central Ave.,
- ROSENMAN, LEO (S'40-A'41-M'55), Sr. Research Engr., No. Amer. Aviation, Internati. Airport, Los Angeles 45, Calif.
- Call .

 ROSENQUIST, JAMES H. (A'59), Radio Operator, RCA, Communications, Inc., 66 Broad St., New York, N.Y.

 ROSENSON, ALAN H. (A'49), Genl. Mgr., Rosenson Engrs. Co., Box 255, Coconut Grove, Fla.

 ROSENSTARK, SOLOMON (S'57-M'59), Assoc. Design & Dev. Engr., Norden Labs., 121 Westmoreland Ave., White Plains, N.Y.

 ROSENSTEIN ALLER B. (ALEA)

- White Plains, N.Y.

 ROSENSTEIN, ALLEN B. (M'54), Assoc. Prof., Univ. of California, West Los Angeles, Calif.

 ROSENSTEIN, GEORGE M. (A'50), Electronics Engro. Consultant, Aviation Supply Office, Navy Dept., Oxford Ave. & Martin's Mill Rd., Philadelphia 11, Pa.

 ROSENSTEIN, MAX D. (M'57), Research Engr., Lockheed Aircraft Co., Sunnyvale, Calif.

 ROSENSTEIN, MILTON (A'55-M'59), Asst. Chief Engr., Olympic Radio & Television Co., 3801 38 St., Long Island City, N.Y.

 ROSENTHAL, ALAN L. (S'41-A'44-SM'53), Mgr., Atlas Instrument Corp., Ltd., 50 Wingold Ave., Toronto 19, Ont., Canada.
- Ont., Canada.

 ROSENTHAL, ARTHUR S. (M'58), Asst. Project Engr., The
 Tele-Register Corp., 445 Fairfield Ave., Stamford, Conn.
 ROSENTHAL, CHARLES W. (S'49-A'52-M'56), Mem.
 Tech. Staff, Data Communication Dev. Dept., Bell Tel.
 Labs., Murray Hill, N.J.
- ROSENTHAL, DANIEL (S'41-A'44-M'55), Radio Engr., RCA Victor Co., Camden, N.J. ROSENTHAL, HERBERT A. (A'57), Tech. Assoc., Sylvania Electronic Defense Lab., Box 205, Mountain
- ROSENTHAL, JENNY E. (SM'57), Consultant, Bramley Consultants, 47 Van Houten Ave., Passalc, N.J. ROSENTHAL, LOUIS (S'43-A'45-SM'52), Assoc. Prof. of Elec. Engrg., Rutgers Univ., New Brunswick, N.J. ROSENTHAL, MEYER S. (M'56), Dev. Engr., 1TT Labs., Nutley 10, N.J.
- ROSENTHAL, MILTON L. (A'55), Project Engr., Genl. Electronic Labs., Inc., 1B Ames St., Cambridge 42, Mass
- Maiss, MOSENTHAL, MORRIS H. (A'55), Project Engr., Waltham Electronics, Inc., 751 Main St., Waltham, Mass. ROSENTHAL, MURRAY P. (M'57), Publications Supvr., Renner, Inc., 103-42 Lefferts Blvd., Richmond Hill, L.I., N.Y.

- L.I., N.Y.

 ROSENTHAL, MYRON M. (S'52-A'54-M'56-SM'5B),
 Design Specialist Engr., Electronics, Republic Aviation
 Corp., Farmingdale, L.I., N.Y.

 ROSENTHAL, RALPH N. (S'57-M'5B), Electronics Research
 Engr., Hughes Aircraft Co., Los Angeles, Callf.

 ROSENTHAL, RENE E. (S'54-A'55), Dev. & Design Engr.,
 Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore 27,
 Md.
- ROSENTHAL, RENE E. (S'54-A'55), Dev. & Design Engr., Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore 27, Md.

 ROSENTHAL, ROBERT E. (S'53-A'55), Preliminary Design Engr., Avco Research & Advanced Dev. Div., Lowell St., Wilmington, Mass.
 ROSENTHAL, ROBERT F. (S'54-M'56), Design Engr., Fairchild Astrionics Div., Wyandanch, L.I., N.Y.
 ROSENTHAL, SOLU, (A'45-S'49-A'52-M'52-SM'54), Research Asst. Prof., Polytachnic Institute of Brooklyru Microwave Research Institute, 55 Johnson St., Partner, Microwave Consultants, Box 844, Brooklyn J. N.Y.
 ROSENTHAL, SOLOMON (A'53), Deputy Chief, Operations Branch, Data Processing Div., Hors., USAF, AFASC-3D, The Pertagon, Washington 25, D.C.
 ROSENTHAL, STANLEY A. (M'56), Sr. Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.
 ROSENTHAL, WILLIAM (M'57), Physicist, Philips Labs., Irvington-on-Hudson, N.Y.
 ROSENTHAL, WILLIAM (M'57), Physicist, Philips Labs., Irvington-on-Hudson, N.Y.
 ROSENTHAL, WILLIAM F. (S'56-M'57), Assoc. Engr., Douglas Aircraft Co., El Segundo, Calif.
 ROSENTRETER, ERNEST W. (SM'57), Sr. Engr., Texas Instruments, Inc., Sox 312, Dallas 21, Tex.
 ROSENZVAIG, JAY E. (S'49-A'51-M'57), Engr., Electromechanical Research, Inc., Sarasota, Fla.
 ROSENZWEIG, GILBERT E. (S'49-A'52-M'57), Electronics Engr., RCA, Camden 2, N.J.
 ROSETT, EDWARD (S'47-A'49-M'55), Sr. Engr., West-Inghouse Elec. Co., Box 746, Baltimore, Md.
 ROSHKIND, HERBERT (S'49-A'51-M'56), Asst. to the Pres., CGS Labs., Inc., 391 Ludlow St., Stamford, Conn. ROSHON, ARTHUR (A'39), Magnetics Engr., Kepco Labs., Inc., 131-3B Samford Ave., Flushing 55, L.I., N.Y.
 ROSIN, RICHARD J. (A'58), Jr. Engr., AC Spark Plug, 1925 E. Kenilworth Pl., Milwaukee 1, Wis.
 ROSINE, LAWRENCE L. (A'51), Research Asst., Univ. of Florida, Gainesville, Fla.
 ROSIN, RICHARO G. (S'52-A'54), Electronics Engr., Acc Mrg. Corp., Crosley Div., Arlington St., Cincinnati, Ohlo.

- ROSKOS, RICHARO G. (S'52-A'54), Electronics Engr., Avco Mfg. Corp., Crosley Div., Arlington St., Cincin-nati, Ohio.

- nati, Ohio, TURE A., JR. (S'55-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.
 ROSLUNO, TURE A., JR. (S'54-M'56), Engr., Research Lab., GE Co., Schenectady, N.Y.
 ROSNER, CARL H. (S'54-M'56), Engr., Research Lab., GE Co., Schenectady, N.Y.
 ROSNER, IRVING S. (M'56), Project Engr., CBS, 485
 Madison Ave., New York 22, N.Y.
 ROSOL, GEORGE L. (M'59), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohlo.
 ROSS, ALAN (S'50-A'53-M'57), Sect. Head, Polarad
 Electronics Corp., 43-20 34 St., Long Island City, N.Y.
 ROSS, ALBERT (A'54), Engr., Mgr., Orpan-Tronic
 Arts, 41B 3B St., Oakland 9, Calif.
 ROSS, ALLAN T. (S'46-A'48-M'55), Project Engr.,
 Farinon Electric Co., 416 D St., Redwood City, Calif.
 ROSS, ARNOLO, J. (SM'56), Dept. Head, Ground-Based
 Electronics, Stavid Engrg., Inc., Rte. 22, Plainfield, N.J.

- ROSS, ARTHUR H. (S'40-A'41-SM'48), Research Consultant, U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 ROSS, AUBREY T. (SM'53), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.
- Labs., Murray Hill, N.J., ROSS, B. ROBERT (S'43-A'46-M'55), Servo Project Engr., Army Ballistic Missile Agency, OROAB-DSDC, Huntsville, Ala.
- Huntsville, Ala.

 ROSS, BENJAMIN F., JR. (S'57-M'5B), Design Engr.,
 MIT Instrumentation Lab., Cambridge 39, Mass.
 ROSS, BERND (SM'58), Dir, Research, Wesson Metal
 Corp., Liste Rd., Lexington, Ky.
 ROSS, CECIL C. (A'37-VA'39), District Sales Mgr.,
 Graybar Electric Co., Inc., 717 Latimer St., Dallas,
 Tex.

- ROSS, CHARLES H. (S'56-M'59), Elec. Engr., Sylvania Elec. Prods., Inc., Needham 94, Mass. ROSS, CHARLES J. (M'55), Systems Reliability Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

- N. American Bosch Arma Corp., Garden City, L.I., N.Y.

 ROSS, CHESTER W. (SM'53), V.P., Engrg., Gruen Watch Co., Time Hill, Cincinnati, John.

 ROSS, DARRELL L. (S'57-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.

 ROSS, DAVID H. (M'56), Mfrs. Rep., David H. Ross Co., 534 El Camino Real, San Carlos, Calif.

 ROSS, DONALD A. (S'45-A'48-5'53-M'57), Radiation Physicist, High Voltage Engrg. Corp., Burlington, Mass.

 ROSS, DONALD H. (S'57-M'5B), 909 Levering Ave., Los Angeles 24, Calif.

 ROSS, DONALD K. (4'50-M'55), Pres., Donaid Ross & Associates, 790B Bonhomme, St. Louis 5, Mo.

 ROSS, EDMUND H. (M'45-SM'51), Mgr., Military Field Engrg., Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, Ill.

 ROSS, EDWARD J. (M'58), Francisches
- ROSS, EDWARD J. (M'58), Engr.-In-chg., Electronics & Elec. Labs., Mine Safety Appliances Co., 7501 Penn Ave., Pittsburgh B. Pa. ROSS, ELLWOOD H. (M'47), Guided Missile Engr., Army

- Elec. Labs., Mine Satety Appliances Co., 7501 Penn Ave. Pittsburgh B, Pa.

 ROSS, ELLWOOD H, (M'47), Guided Missile Engr., Army Rocket & Guided Missile Agency at Gilfilian Bros. & Firestone Guided Missile Div., Los Angeles 54, Calif. ROSS, ERNEST O. (A'26-M'451), Asst. V.P., A.C. Nielsen Co., 2101 Howard St., Chicago, III. ROSS, FRANCIS L. (M'59), Engr., The Pacific Telephone Co., 403 W. B.St., Los Angeles, Calif. ROSS, FRANK A. (S'57-M'57), Design Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
 ROSS, FREO C., JR. (S'57-M'57), Design Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
 ROSS, GEORGE G. (M'49), Engr., Genl. Radio Co., Box 425, Ridgefield, N.J.
 ROSS, GEORGE G. (M'49), Engr., Genl. Radio Co., Box 425, Ridgefield, N.J.
 ROSS, GERALD F. (S'51-A'53-M'57), Sr. Engr., Serry Gyroscope Co., Great Neck, L.I., N.Y.
 ROSS, GERAND T. (S'4B-A'50-M'55), Mgr., Component Parts., Application & Standards, RCA, Defense Electronics Prods., Camden, N.J.
 ROSS, GORON M. (S'53-M'55), Engr., Standard Telephones & Cables Mfg. Co. (Canada), Ltd., 9600 St. Lawrence Bivd., Montreal, P. Q. Canada.
 ROSS, H. GLENN (S'4B-A'50-M'55), Mgr., Research & Engrg., Lab., IBM, Kingston, N.Y.
 ROSS, HAROLD D., JR. (S'4B-A'50-M'55), Mgr., Research & Engrg., Lab., IBM, Kingston, N.Y.
 ROSS, HENRY J. (M'54), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 ROSS, HERBERT (A'52-M'57), Project Engr., Sperjor Oil Co., 538 Mission St., South Pasadena, Calif.
 ROSS, HERBERT (A'52-M'57), Project Engr., Sperjor Oil Co., 538 Mission St., South Pasadena, Calif.
 ROSS, HERBERT (A'52-M'57), Project Engr., Sperjor Oil Co., 538 Mission St., South Pasadena, Calif.
 ROSS, HERBERT (A'52-M'57), Project Engr., Sperjor Oil Co., 538 Mission St., South Pasadena, Calif.
 ROSS, HERBERT (A'52-M'57), Project Engr., Sperjor Oil Co., 538 Mission St., South Pasadena, Calif.
 ROSS, HERBERT (A'52-M'57), Project Engr., Sperjor Oil Co., 538 Mission St., South Pasadena, Calif.
 ROSS, HERBERT (A'52-M'57), Project Engr., Sperjor Oil Co., 538 Mission St., South P
- ROSS , HERMAN H. , JR. (S'46-A'4B-M'55), Application Engr. , Bendix Aviation Corp. , 11600 Sherman Way,
- ROSS, HOWARD E. (S'57-M'59), 2nd Lt., U.S. Army, U.S. Army Security Agency Training Center, Ft. Devens,
- NOSS, HUGH C. (S'47-A'50-SM'56), Chief Engr., Vacuum Power Switches, Jennings Radio Mfg. Corp., Box 127B, San Jose, Calif.
- ROSS, IAN M. (SM'59), Bell Tel. Labs., Murray Hill, ROSS, IRVING (S'48-A'50-M'56), Staff Engr., United Electrodynamics, Inc., 200 E. Allendale Rd., Pasadena, Calif.
- ROSS, IRVING (A'57), Research Engr., Lockheed Aircraft Corp., Burbank, Calif. ROSS, IRWIN L. (M'5B), 4532 Market St., Philadelphia 39, Pa.
- 39, Pa.

 ROSS, JAMES A., JR. (S'56-M'57), Capt., U.S. Army, Atlantic Missile Range Army Field Office, Patrick AFB, Fla. ROSS, JOHN A. (A'5B), Sales Engr., Young Spring & Wire Corp., 933-A Glist Ave., Sliver Spring, Md. ROSS, JOHN D. (A'54-SM'59), Physicist, E. I. duPont de Nemours & Co., Inc., Alken, S. C.

 ROSS, JOHN M. (S'45-A'49-M'54-SM'56), Sr. Project Engr., Motorola, Inc., 3102 N. Ingleside Or., Phoenix, Afiz.
- ROSS, JOHN R. (S'55-M'58), 6723 Bakman, North Hollywood, Calif.
- wood, Callf.
 ROSS, KENNETH B. (A'2B-VA'39), Pres., Ross Mfg,
 Co., 253B Peterson Ave., Chicago 45, III.
 ROSS, KENNETH B. (M'59), Elec. Engr., Hallicrafters
 Co., 4401 W. 5 Ave., Chicago 24, III.
 ROSS, LYLE A. (S'55-A'56), Electronics Research
 Lab. Technician, Genl. Railway Signal Co., B01 West
 Ave., Rochester, N.Y.
- ROSS, MARTIN N. (S'49-A'51-M'56), Asst. Project Engr., Litton Industries, 336 N. Foothill Rd., Severly Hills, Calif.

- Callf.

 ROSS, MICHAEL D. (S'56-M'5B), Class "B" Engr.,
 RCA, Camden, N.J.

 ROSS, PAUL L. (A'52-M'57), Project Engr., Bendix
 Aviation Corp., Teterboro, N.J.

 ROSS, PETER (M'48), Staff Engr., U.S. Army Signal
 Research & Oevelopment Lab., Ft. Monmouth, N.J.

 ROSS, PHILIP A. (S'51-A'52-M'57), Project Engr.,
 Bendix Aviation Corp., Research Labs., Box 5115,
 Detroit 35, Mich.

- 355 -ROS-ROW

- ROSS, PHILIP C. (SM'55), Communications Engr., GE Co., LMEO, Utica, N.Y. ROSS, RICHARO R. (A'45-M'52), Electronic Scientist, U.S. Coast & Geodelto Survey, Dept. of Commerce, Commerce Bidg., Washington 25, D.C.
- Commerce Biog., Washington 25, D.C.
 ROSS, ROBERT G. (M'58), 115 Gary Ave., Hamilton, Ont., Canada.
 ROSS, ROBERT M. (A'59), Sig. Comm. Co. 9470, Ft. Huachuca, Ariz.
 ROSS, ROONEY J. (S'53-A'56), Martin Co., Orlando,
- ROSS, TERRY A. (S'56-M'59), 4833 Palo Verde, Lake-wood, Calif.
- WOOD, CAIT.
 ROSS, THADDEUS C. (S'53-A'54), Electronics Engr.,
 Research Oiv., United Shoe Machinery Corp., Balch St.,
 Beverly, Mass.
- Beverly, Mass.

 ROSS, WALLACE C. (S'49-A'50-M'56), Systems Engr.,
 RCA Service Co., Camden 8, N.J.

 ROSS, WALTER J. (A'53-M'56-SM'59), Sr. Dev. Engr.,
 Marquardt Alrcraft Co., 16555 Satlcoy St., Van Nuys,
 Calif.
- ROSS, WALTER L. (S'52-M'56), Engr., Design & Oev., RCA, 11819 W. Olympic Blvd., Los Angeles, Calif. ROSS, WILLIAM E. (S'56-M'58), Electronics Engr., Litton industries, 336 N. Foothill Rd., Beverly Hills, Calif.

- Calif.

 ROSS, WILLIAM F., JR. (S'58-M'59), Engr., RCA, Moorestown, N.J.

 ROSS, WILLIAM H. (M'58), Elec. Engr., Louisville Gas & Electric Co., Louisville, Ky.

 ROSS, WILLIAM J. (M'57-SM'59), Assoc. Prof., Elec. Engr., Pennsylvania State Univ., University Park, Pa.

 ROSSELOT, GERALO A. (A'41-M'55), Oir., Scientific & Univ. Relations, Bendix Aviation Corp., Fisher Bidg., Detroit, Mich.
- Detroit, Mich.

 ROSSER, BILLIE M. (A'55), Sta. Chief, Intermediate DEW Line Radar Sta., Federal Electric Corp., Rte. 17, Lodi, N. J.

 ROSSER, THE DO DRE N. (A'36-SM'46), Genl. Mgr. & Field Eigut, Mid-West Sales Office, Cormell-Dubilier Electric Corp., 5247 W. Diversey Ave., Chicago 39, III.

 ROSSI, ANTHONY D. (A'52-M'59), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 ROSSI, CHARLES V. (M'51), Industrial Sales Engr., Caine Electronic Sales Co., 3020 N. Cloero Ave., Chicago 41, III.

 ROSSI, FRANK J. (S'52-M'56). 1544 Balley Rd., Concord
- ROSSI, FRANK J. (S'52-M'56), 1544 Bailey Rd., Concord, Calif.
- Calif.

 Calif.

 Calif.

 ROSSI, JOHN B. (S'57-A'57), Electronics Technician,
 Barrett Electronic Corp., 630 Dundee Rd., Northbrook, III.

 ROSSI, RICARDO (A'57), Tech. Dir., Ucoa Radio S.A. Ind.,
 y Comercial, Mislones 4B, Buenos Aires, Argentina.

 ROSSI, STEPHEN (A'55), Owner, Strand Radio & Television,
 Schroon Lake, N.Y.

 ROSSIG, EDGAR W. (M'51), Supt., Mfg. Engrg., Westinghouse Elec. Corp., Rte. 27, Metuchen, N.J.

 ROSSING, THOMAS D. (SM'56), Assoc. Prof., Physics,
 St. Olaf College, Northfield, Minn.

 ROSSING, THOMAS D. (SM'56), 7525 Powers Ct.,
 Ulica, Mich.

 ROSSMAN, JACK E. (S'57-A'58), 7525 Powers Ct.,
 Ulica, Mich.
 ROSSNICK, MCLVIN (S'47-A'50-M'55), Chief Flac.

- ROSSMAN, JACK E. (S'57-A'58), 7525 Powers Ct., Ulica, Mich.
 ROSSMICK, MCLVIN (S'47-A'50-M'55), Chlef Elec. Engr., induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N.Y.
 ROSSONE, RATHUR L. (S'42-A'44-SM'54), Chlef Engr., Advanced Dev. Lab., Radio Receptor Co., Inc., 700
 Shames Dr., Westbury, L.I., N.Y.
 ROSSON, J. W. (S'50-A'54-M'59), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.,
 ROSTAN, RAYMOND J. (S'56-M'58), Engrg. Assoc., Western Electric Co., 220 Church St., New York, N.Y.
 ROSTKON, RICHARD W. (S'52-A'57), Assoc. Editor, Electronic Oesign, 830 3rd Ave., New York 22, N.Y.
 ROSTROM, RICHARD W. (S'52-A'544), Argentine Mission, Virrey Oel Pino 2130, Buenos Aires 26, Argentina.
 ROSZKOWSKI, GREGORY J. (S'56-A'57), Field Ren., The Hallicrafters Co., 4401 W. 5 Ave., Chicago, Ill.
 ROTA, LUIGI (M'52), Dir., Sociedad Radiotecnica Ecutoriana, Apt., 414 Quito, Ecuador, South America.
 ROTAST, NIKITA L. (S'57-M'58), Engr., Sprague Electric Co., 235 Marshall St., North Adams, Mass.
 ROTE, WILLIAM A. (M'51-SM'58), Dir., Engrq., Boston Oiv., Minneapolis-Honeywell Regulator Co., 1400 Soldiers Field Rd., Soston 35, Mass.
 ROTH, A. RONALD (M'57), Electronics Engr., Litton Industries, 336 N. Foothill, Beverly Hills, Calif., ROTH, AlEXANDER Q. (S'49-A'52-M'56), Chief Engr., Canoga Southern Oiv., Underwood, 77 Eglin Hwy., Ft. Walton Beach, Fla.

- WHITCH GEACH, FIA.

 ROTH, ARNOLD M. (S'53-M'56), Test Engr., Hazeltine
 Corp., Little Neck, L.I., N.Y.

 ROTH, CHARLES H., JR. (S'54-M'57), Teaching Asst.,
 MIT, Cambridge 39, Mass.
 ROTH, CONRAD G. (S'54-M'56), Mathematical Programmer,
 IBM, Kingston, N.Y.
 ROTH, ETWARD, L. (SEA, MISC)
- ROTH, EDWARD J. (\$'54-M'58), 565 73 St., 8rooklyn
- 9, N.Y.
 ROTH, ELROY L. (S'49-A'52-M'57), Research Engr.,
 Autonetics Oiv., No. Amer. Aviation, Downey, Calif.,
 ROTH, FRANK P. (S'55-M'56), Electronics Engr., USAF,
 Warner Robins Air Material Area, Warner Robins, Ga.
- ROTH, HAROLD (A'51-M'56), Project Engr., Tech. Prods. Engrg., Allen 8. DuMont Labs., Inc., 760 Bloomfield Ave., Clifton, N.J.
- Ave., Clifton, N.J.

 ROTH, HAROLD H. (M'59), Project Engr., MinneapolisHoneywell Regulator Co., Pottstown, Pa.

 ROTH, HARVEY A. (S'54-M'57), Publications Engr.,
 Hazeltine Electronics Corp., Little Neck 62, L.I.,
 N.Y.
- N.Y.

 ROTH, HERBERT H. (S'44-A'50-M'55), Design Supvr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 ROTH, IRWIN (S'50-A'52-M'57), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 ROTH, JESSE E., J.R. (A'48-M'55), Elec. Engr., Avion Div., ACF Industries, Paramus, N.J.

 ROTH, JOHN H. (M'55-SM'55), Engr. Sect. Mgr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 ROTH, JOSEPH R. (M'759), Assoc. Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 ROTH, MICTON C. (M'52), Supv. Electronics Engr., FAA, W-720, Washington 25, D.C.; FAA Group, ICA/USOM, U.S. Embassy, Havana, Cuba

 ROTH, MILTON S. (M'51), Owner, Mike Roth Sales Co., 13947 Cedar Rd., Cleveland 18, Ohio.

- ROTH, PAUL F. (M'55), Computer Applications Engr., Systems Oiv., Bendix Aviation Corp., Ann Arbor, Mich. ROTH, RICHARD F. (S'55-M'56), Research Engr., Hazeitine Research Corp., Little Neck 62, L.I., N.Y. ROTH, RICHARD S. (S'53-A'54), 66 Lilac St., New Haven 11, Corn.
- ROTH, SAMUEL (A'54), Sect. Chief, Electronics Test, Research & Dev., Canadair, Ltd., Box 6087, Montreal, P.Q., Canada.
- P.Q., Canada.

 ROTH, SANFORD A. (A'58), Electronics Engr., Genl. Precision Labs., Inc., Pleasantville, N.Y.

 ROTH, SOLO S. (A'50), Oir., Ocellotron Lab., 1 Sherwood Ter., Yonkers 4, N.Y.

 ROTH, THEOOR A. (A'54), Test Instrumentation & Equipment Planner, Martin Co., Box 179, Derwer 1, Colo.

 ROTH, THOMAS J. (S'51-A'55), Design Engr., RCA, Camden, N.J.
- den, N.J.

 ROTH, WAYNE E. (M'59), Sales Engr., Applied Science
 Corp. of Princeton, N.J., Van Nuys, Calif.

 ROTH, WILFRED (S'43-A'45-S'46-A'49-M'55), Dir.,
 Roth Lab. for Physical Research, 555 Asylum St., Hartford, Conn.
- ROTHAMMER, WILLIAM H. (M'51-SM'52), Mem. Tech. Staff, Operations Office, Weapons Guidance Lab., Wright Air Oevelopment Center, Wright-Patterson AFB, Ohlo. ROTHAR, OAVIO E. (M153), Sr. Engr., Martin Co., Orlando,

- ROTHAR, OAVIO E. (M'>3), Sr. Engr., marcin co., viralino, Fla.
 ROTHAUGE, CHARLES H. (A'48-M'54), Prof., Elec. Engrg.,
 U.S. Naval Postgraduate School, Monterey, Calif.
 ROTHEART, ARTHUR (A'47-M'55), Sr. Project Engr., ITT
 Labs., Nutley 10, N.J.
 ROTHE, CARL W. (A'49-M'59), Sr. Electronics Engr.,
 Inter-Continent Engrg. Co., 1520 N. Highland Ave.,
 Hollywood 28, Calif.
 ROTHE, FREDERICK S. (A'43-M'55), Mgr., Industrial
 Analytical Engrg., Industrial Engrg. Sect., GE Co.,
 Schenectady 5, N.Y.
 ROTHE, HORST (M48-SM'55-F'59), Prof., Direktor des
 Institus fuer Hochfrequenztechnik & Hochfrequenzphysik,
 Technische Hochschule, Kaiserstrasse 12, Karlsruhe,
 West-Germany.
- ROTHENBERG, NATHANIEL (S'152-A'153-M'158), Dev. Engr., Syarause, N.Y.

 ROTHENBERG, HERBERT C. (SM'58), GE Electronics Lab., Syracuse, N.Y.

 ROTHENBERG, NATHANIEL (S'51-A'52-M'58), Dev. Engr., Polytechnic Research & Development Corp., 200

 Tillary St., Brooklyn 1, N.Y.

- Engr., Polytechnic Research & Oevelopment Corp., 200 Tillary St., Brooklyn J, N.Y.

 ROTHENBERG, NEIL B. (S'49-A'53-M'5B), Electronics Engr., (Instrumentation), Navy Dept., David Taylor Model Basin, Washington 7, D.C.

 ROTHENBERG, SAM M. (A'33-VA'39-SM'54), Asst. Dir., Engrg., Emerson Radio & Phonograph Corp., 14 & Coles St., Jersey City, N.J.

 ROTHENHEBER, NORMAN (A'57), Partner, Rothenheber & Co., 53 Cricket Ave., Ardmore, Pa.

 ROTHENSTEIN, EDWARD M. (A'55), V.P. & Genl. Mgr., Arco Electronics, Inc., 64 White St., New York 13, N.Y.

 ROTHENSTEIN, STUART (S'155-M'59), Publications Engr., Soerry Gyroscope Co., Garden City, L.I., N.Y.

 ROTHERFORTH, DAVID E. (S'58-A'59), Link Aviation, Inc., Binghamion, N.Y.

 ROTHERMEL, RICHARD S. (M'56), Electronics Engr., Natl. Scientific Labs., Inc., 2010 Massachusetts Ave., N.W., Washington, D.C.

 ROTHFUSS, JOHN C. (S'56-A'57), Electronics Technician, Burroughs Corp., 14300 Tramps Protection 20 Michael Marchael Control of Marchael Marchael 20 Michael Marchael Corp., 14300 Tramps Protection 20 Michael Marchael Marchael Marchael Marchael 20 Michael Marchael Marc
- ROTHFUSS, JOHN C. (S'56-A'57), Electronics Technician, Burroughs Corp., 14300 Tireman, Detroit 38, Mich. ROTHFUSZ, RALPH W. (S'56-M'58), 5 Russell St., Cambridge 40, Mass.
- Campridge 40, Mass.

 ROTHLEIN, BERNARD J. (SM'53), Tech. Dir., Sperry Semiconductor Div., Sperry Rand Corp., Wilson Ave., South Norwalk, Conn.
- ROTHMAN, HAROLD L. (\$'56-A'57), Field Engr., Electrodata Div., Burroughs Corp., 300 E. 9 St., Denver, Colo.
- ROTHMAN, HAROLD S. (S'50-A'55), Dev. Engr., Wheeler Labs., Inc., 122 Cutter MIII Rd., Great Neck, L.I., N.Y.
- N.Y.

 ROTHMAN, ROBERT H. (A¹56), Field Engr., Madigan Corp., 526 Mineola Ave., Carle Place, L.I., N.Y.

 ROTHMEL, BERNARD J. (S¹49-A¹53-M¹57), Sr. Engr., Bendix Avlation Corp., York, Pa.

 ROTHROCK, HAROLD B. (A¹37-VA¹39-M¹55), Consulting Engr., Hgrs. Bidg., 2000 'P¹ St., N.W., Washington, O.C.
- COLO.

 ROTHROCK, JAMES H. (SM'58), Col., USAF, Retired. Mgr.,
 Customer Relations, RCA, West Coast Missile & Surface
 Radar Dept., 8500 Balboa 8lvd., Sepulveda, Calif.
- Radar Dept., 8500 Balboa Blvd., Sepulveda, Calif.

 ROTHROCK, RICHARD B. (\$'157-M'59), 3223 Beaver
 Ave., Des Molnes 10, Jowa.

 ROTHSCHILD, DONALD R. (\$'53-A'54), Research Assoc.,
 Electronic Defense Group, Research Institute, Univ. of
 Michigan, Ann Arbor, Mich.

 ROTHSCHILD, LOUIS I., JR. (\$'47-A'47-M'54-SM'58),
 Engra. Group Supvr., Philoc Corp., 4700 Wissahickon
 Ave., Philadelphia 44, Pa.

 ROTHSCHILD, RAYMOND S. (A'53-M'58), Chief Engr.,
 Industrial Test Equipment Co., 55 E. 11 St., New York 3,
 N.Y.

- ROTHSCHILD, RICHARD S. (A'51-M'56), Operations Mgr., Lumatron Electronics, Inc., 68 Urban Ave., Westbury, L.I., N.Y.
- L.I., N.Y.

 NOTHSCHILD, ROBERT F. (S'42-A'43-M'47), Mor.,
 John Stuart, Inc., 470 4 Ave., New York 16, N.Y.

 ROTHSCHILD, STANLEY (M'59), Engr., Jansky & Balley,
 1339 Wissonsin Ave., N.W., Washington 7, D.C.

 ROTHSTEIN, JEROME (A'46-SM'54), Sr. Scientific
 Exec., Edgerton, Germeshausen & Grier, 160 Brookline
 Ave., Boston, Mass.

 ROTHSTEIN, MILTON (S'42-A'45-SM'52) Div. From P.
- ROTHSTEIN, MILTON (S'42-A'45-SM'52), Dir., Engrg. & Dev., The Thermatron Co., 37-11 35 Ave., Long Island City 1, N.Y.
- City J, N.Y.

 ROTHSTEIN, ROBERT I. (A'53), Partner, Southeastern
 Radio Supply Co., 414 Hillsboro St., Raleigh, N.C.

 ROTHWARF, FREDERICK (A'52-M'57), Physicist, Solid
 State, Chief Low Temperature Physics Lab., Frankford
 Arsenal, Pitman-Ourn Labs., Bridge & Tacony Sts.,
- Philadelphia 37, Pa.
 ROTHWELL, THOMAS L., JR. (S'54-A'55), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.

- ROTKIN, ISRAEL (SM'49), Chief, Components Lab., Diamond Ordnance Fuze Labs., Washington 25, D.C.
 ROTMAN, WALTER (A'49-M'55), Electronic Scientist, Air Force Cambridge Research Center, Hanscom AFB, Mass.
 ROTOLO, NICHOLAS V. (M'50), Supvy. Electronics Maint. Technician, FAA, Box 296, Kahuku, Oahu, Hawaii.
 ROTONDI, GENE L. D. (M'58), Sales Engr., G. G. Leeds Co., 12 Crampton Lake, Great Neck, L.I., N.Y.
 ROTONOO, PETER A. (S'55-M'58), Elec. Engr., Genl. Electronic Labs., 18 Ames St., Cambridge, Mass.
 ROTOW, ALEXANDER A. (SM'52), Lab. & Dev. Engr., RCA, New Holland Pike, Lancaster, Pa.

- ROTSTEIN, JACOB (M'55), Staff Mem., MiT, Lincoln Lab., Lexington 73, Mass. ROTTA, ERVIN A. (\$'53-M'57), 221 W. 9 St., Seattle 7, Wash.
- , , vrasn.
 ROTTENBERG', MARTIN J. (S'49-A'50-M'58-SM'58),
 Weapons System Mgr., USAF-ARDC, Wright-Patterson
 AFB, Ohlo.
- AFB, Ohlo.

 ROTTER, ABE (S'50-A'51-M'58), Engr., Govt. Dlv., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, Ill.

 ROUAULT, CHARLES L. (SM'58), Consulting Engr., GE Co., Syracuse 1, N.Y.

 ROUCHE, NICOLAS L. (M'58), Prof., Electronics, Lovanium Univ., B.P. 136, Leo Poliville XI,

 Belgian Congo.

- Dengian Longo.

 ROUGE, LEON J. D. (SM¹58), Col., U. S. Army, Dir.,
 Electronic Components Research Dept., U. S. Army Signal
 Research & Oevelopment Lab., Ft. Monmouth, N.J.

 ROUGHLOT, RODNEY S. (S'56-M'57), Lt. jg., USN, Instr.,
 Naval Weapons, NROTC Unit, Yale Univ., New Haven,
 Conn.
- ROUGHAN, JAMES V. (M'54), Pres. & Genl. Mgr., Price Electric Corp., Frederick, Md. ROULETTE, ROBERT E. (S'57-M'59), Electronics Engr., Lawrence Radiation Lab., Livermore, Calif. ROULSTON, KENNETH I. (M'54-SM'57), Assoc. Prof., Oept. of Physics, Univ. of Manitoba, Winnipeg, Man., Canada.

- Oept. of Physics, Univ. of Manitoba, Winnipeg, Man., Canada.

 ROULSTON, NORMAN, JR. (S'54-M'58), Engr., Martin Co., Balkimore, Md.

 ROUMBANIS, THEODORE (S'52-A'53-S'54-M'57), Sr. Engr., Research Branch, Components Lab., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 ROUNOS, JOSEPH M. (A'45), Provisioning Coordinator, Air Materiel Command, Wright-Patterson AFB, Ohio.

 ROUNOS, WILLIAM A. (S'49-A'51), Elec. Engr., Genl. Tire & Rubber Co., Lawrence, Mass.

 ROUNDS, WILLIAM A. (S'49-A'51), Elec. Engr., Genl. Tire & Rubber Co., Lawrence, Mass.

 ROUNDS, VILLIAM A. (S'49-A'51), Posign & Dev. Engr., Admiral Corp., 3800 Cortland, Chicago 47, Ill.

 ROUNTREE, J. G. (A'39-M'44-S'M'50), Head of Firm, J. C. Rountree, Consulting Engr., 4906 Westfield Dr., Austin 3, Tex.

 ROUNTREE, JAMES W., JR. (S'54-M'57), Elec. Engr., Boeing Airplane Co., Melbourne, Fla.

 ROUNTREE, ROBERT H. (M'56), Mem. Tech. Staff, Bell Tel. Labs., 204 Graham-Hopedale Rd., Burlington, N.C.

 ROUNTREE, WANNE R. (A'47), Training Supw., Personnel Dept., U.S. Naval Ordnance Test Sta., China Lake, Calif.

 ROURKE, CHARLES R. (A'50-M'55), Sr. Dev. Engr., Sperry Gyroscope Co., Sunnyvale, Calif.

 ROUSE, FREDERICK W. D. (A'47), Principal Production Inspector Admirally Surface Weapons Est., Portsdown, Inspector Admirally Surface Weapons Est., Portsdown,

- Ampleno1-Borg Electronics Corp., Broadview, III.

 ROUSE, FREDERICK W. D. (A'47), Principal Production Inspector Admiralty Surface Weapons Est., Portsdown, Cosham, Hants., England.

 ROUSE, JAMES C. (S'56-M'58), Electronics Engr., Univ. of California Radiation Lab., Livermore, Calif.

 ROUSE, JOHN A. (A'57), Deputy Genl, Secy., Radio Society of Great Britian, 28-30 Little Russell St., London, W.C. 1, England.

 ROUSE, RICHARO E. (A'54), Assoc. Physicist, Applied Physics Lab., The Johns Hookins Univ., Silver Spring, Md. ROUSEY, WILLIAM A. (A'53), Dept. Mgr., Collins Radio Co., 2700 W. Olive, Burbank, Calif.

 ROUSEN, LOYD H. (4'35-VA'39-M'55), TV Engr., WXYZ.
- CO., Z/UO W., UIIVE, SUrbank, Calif.
 ROUSH, FLOYD H. (A'55-VA'39-M'55), TV Engr., WXYZ,
 Inc., 20811, W. 10 Mile Rd., Southfield, Mich.
 ROUSH, GEORGE E. (S'39-A'41-M'48-SM*54), Dir.,
 Patents, Marchant Div., Smith-Corona Marchant, Inc.,
 6701 San Pablo Ave., Oakland B, Calif.
 ROUSH, JACK E. (M'58), Sr. Engr., Philoc Corp., Abbottsford & Wissahickon Ave., Philadelphia 44, Pa.
- ford & Wissahickon Ave , Philadelphia 44, Pa .

 ROUSH, ROBERT G. (A'47-M'51-SM'56), Sect. Mgr ,
 Electronic Communications, Inc. , Research Oiv , 1830
 York Rd , Timonium , Md ,
 ROUSSEAU, ARTHUR L. (S'50-A'52-M'57), Mem . Tech .

 Staff , Hughes Aircraft Co . , Culver City . Calif .

 ROUSSEAU, MAURICE (M'53), Chief Engr . , CKVL &
 Tech . Advisor for Radio Stas . , Gordon St . , Verdun ,
 P. Q . , Canada .

- ROUSSEL, GEORGE A. (M'54), V.P., Offshore Navigation, Inc., Offshore Raydist, Inc., 3503 Fem St., Box 13055, New Orleans 25, La.
- ROUSSELET, CHARLES A. (S'54-A'54), Tester, Consolidated Edison Co., 4 Irving Pl., New York, N.Y.
- idated Edison Co., 4 Irving Pl., New York, N.Y.

 ROUSSIN, ALFRED G. (M'58), Oev. Engr., GE Co.,
 Syracuse, N.Y.

 ROUX, WALTER L. (S'57-M'58), Jr., Elec. Engr., Marchant
 Research, Oakland, Calif.

 ROVANG, ROBERT J. (S'51-A'53), Administrative Engr.,
 Cook Electric Co., 6038 28 Ave. S. E., Washington 23,
 O.C.

- O.C.

 ROVELL, ALEXANDER (M'59), Research Engr., No. Amer. Aviation, Downey, Calif.

 ROVER, RALPH R., JR. (M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 ROVINS, JEROMEJ. (S'50-A'51-M'56), Chmn. of Bd., Rese Engr., Inc., 731 Arch St., Philadelphia 6, Pa.

 ROW, DHARESHWAR P. (A'35-M'39-SM'43), Chief Engr. & Supt., of Police Motor Transprot & Traffic, Bombay State, Govt. of Bombay, Sangam, Poona 5, India.
- ROW, RODERICK J. (A'57), 179-8 Halai Hill, Hilo, Hawaii.
- Hawaii,
 ROW, RONALD V. (A'55), Sr. Engrg. Specialist, Sylvania
 Elec, Prods., Inc., Waltham, Mass,
 ROWAN, THOMAS O., JR. (A'52-M'57), Engr., Remington
 Rand Univac, St. Paul 16, Minn.
 ROWAND, GEORGE E. (A'56), Airways Tech.

- ROWE, ALLAN J. (S'51-A'53-M'5B), System Analyst, MITRE Corp., Wood St., Lexington 73, Mass. ROWE, ARNOLD H. (S'57-A'58), U.S. Army, Home: Box 391, Chester, Vt. ROWE, CHARLES R. (S'19-A'21-SM'43), Sales Engr., Oak Mfg., Co., 1260 Clybourn Ave., Chicago 10, III. ROWE, DEL MAN E. (M'47-SM'53), Engrq. Div., Fuze Dent., U.S. Naval Ordnance Lab., Corona, Calif. ROWE, GEOFFREY C. (SM'57), Chief, Production Dev., Dept. Defence Production, Govt. of Canada, Ottawa, Ont., Canada.

ROWE, HARRISON E. (S'49-A'53-M'58), Tech. Staff, Bell Tel. Labs., Holmdel, N. J. ROWE, HARRY C. (A'41-SM'54), Consultant to the Pres., Detex Watchclock Corp., 76 Varick St., New York 13, N. Y. ROWE, HENRY A. (M'56), Faculty NATO Defense College, USN, 21 Place Joffre, Paris 7, France.

ROWE, HOBART E. (SM'58), 2802 Russell Rd., Alexandria,

Va.

ROWE, HORACE N. (A'31-M'50), Owner & Engr.,
Rowe Industries, 1702 Wayne St., Toledo 9, Ohio.

ROWE, IRVING (A'42-M'48), Electronics Engr., Office of
Naval Research, 346 Broadway, New York 13, N.Y.

ROWE, IRWIN (S'51-A'52-M'58), Design Engr., Atomic
Equipment Dept., Westinghouse Elec. Corp., Cheswick, Pa.

ROWE, JAMES H. (A'46-M'55), Engr. Corp. of Trinity
House, Tower Hill, London, E. C. 3, England.

POWE 104N B. Sp. (S'56-M'88), Eigl4 Engr. IRM

ROWE, JOHN B., SR. (S'56-M'58); Field Engr., IBM, Owego, N.Y.

Uwego, N. Y.

ROWE, JOHN J. (A'54), Electronics Field Engr., Nuclear

Prods, Erco Div., ACF Industries, Riverdale, Md.

ROWE, JOHN M. (M'56), Tech. Instr., Nigerian Broadcasting

Service, Broadcasting House, Lagos, Nigeria, British West

Africa.

Africa

ROWE, JOSEPH E. (S'51-M'56), Assoc. Prof., Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.

ROWE, LLOYD R. (A'56), Sales Engr., Assembly Prods., Inc., Chesterland, Ohio.

ROWE, NORMAN L. (M'58), Electronics Engr., USAF, Wright-Patterson AFB, Ohio.

ROWE, ROBERT G. (A'43-M'46-SM'51), Research Supvr., Research & Dev. Div., Carborundum Co., Niagara Falls, N. Y.

ROWE, ROBCR J. (S'56-M'59), Elec. Engr., Bendix

Systems Div., 3300 Plymouth Rd., Ann Arbor, Mich.

ROWE, SNOWDEN (M'56), Genl. Sales Mgr., Shepard

Elevator Div., Dover Corp., 5000 Brotherton Rd., Cincinati, 9, Ohio.

ROWE, CHOMAS L. (M'41-SM'43), Chief Engr., WLS.

ROWE, THOMAS L. (M'41-SM'43), Chief Engr., WLS, 1230 Washington St., Chicago 7, III.
ROWE, VICTOR G. (A'25-M'46), Retired, Box 165, Mineral, Wash.

Mineral, Wash.

ROWE, WILLIAM A. (M'55), Maint. Engr., Dept. of Transport, Telecommunications Branch, 3 Temporary Bldg.,
Ottawa, Ont., Canada.

ROWE, WILLIAM A. (M'55), Maint. Engr., Dept. of Transport, Telecommunications Branch, 3 Temporary Bldg., Ottawa, Ont., Canada.

ROWE, WILLIAM D. (A'53-M'58), Supvg. Engr., Westinghouse Elec. Corp., Box 2025, Buffalo 5, N. Y.

ROWELL, WILLIAM G. (M'56), V. P., Scully Signal Co., 174 Green St., Meirose 76, Mass.

ROWEN, JOHN H. (SM'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

ROWINSKI, STANLEY J. (A'54), Engr., 943 N. 6 St., New Hyde Park, L. I., N. Y.

ROWLAND, CHESTER A., JR. (S'47-A'50-M'55), Sr. Engr., Remington Rand Univac, St. Paul 16, Minn.

ROWLAND, ENNON T. (M'53), Systems Engr., Natl. Security Agency, Washington 25, D. C.

ROWLAND, HERBERT L. (A'57), Annett & Co., Ltd., 220 Bay St., Toronto, Ont., Canada.

ROWLAND, HOWARD J. (SM'46), Chief Electronics Engr., D. S. Kennedy Co., Cohasset, Mass.

ROWLAND, MARVIN O. (S'57-M'57), Requirements & Instrumentation Officer, WS-107A-2 Project, AF Ballistic missile Div., AFBMF Field Office, Patrick AFB, Fla.

ROWLAND, RALPH W. (S'51-A'52-M'57), Engr., Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

ROWLANDS, BASIL O. (SM'57), Electronics Engr., RCA, 11819 W. Olympic Bivd., Los Angeles 64, Calif.

ROWLANDS, EDWIN R. (M'55), Engr., A From. Research, Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa.

ROWLANDS, RICHARD O. (SM'58), Assoc. Prof., Engron. Research, Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa.

ROWLANDS, RICHARD O. (SM'58), Assoc. Prof., Engron. Research, Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa.

ROWLANDS, Canada.

ROWLEY, ROBERT J. (A'54-M'58), Design Engr., Collins Radio Co., Cedar Rapids, Iowa.

ROWLEY, ROSERT J. (A'54-M'58), Design Engr., Collins Radio Co., Cedar Rapids, Iowa.

ROWLEY, ROSERT J. (B'52), Dev. Engr., IBM, Endicott, N.Y.

ROWLEY, ROSERT J. (B'52), Dev. Engr., Mosier Research Prods., Inc., 9 South St., Danbury, Com.

N.Y.
ROWLEY, W. EVERETT, JR. (A'48), Engr., Mosler Research
Prods., Inc., 9 South St., Danbury, Comn.
ROWLINSON, DONALD E. (M'58), Mfg. Engr., Electronic
Communications, Inc., 1501 72 St., N., St. Petersburg,
Fla.

ROWNEY, ELRED A. (A'58), Sr. Translator, Internati.
Dept., Chase Manhattan Bank, 18 Pine St., New York 15, N.Y.

N.T.
ROWTON, EUGENE E. (M'56), Elec. Engr., Mallinckrodt
Chemical Works, 3600 N. 2nd St., St. Louis, Mo.
ROXBERRY, RICHARD C. (M'58), Electronics Research &
Dev. Engr., Thomas A. Edison industries, McGraw-Edison
Corp., 51 Lakeside Ave., West Orange, N.J.

Corp., 51 Lakeside Ave., West Orange, N.J.
ROY, ADRIAN G., JR. (S'57-M'59), Design Engr., Hamilton
Standard Div., Electronics Debt., Broad Brook, Conn.
ROY, DENIS R. (A'53-M'58), Engr., Rotronic Corp., Ltd.,
380 Adelaide St. W., Toronto 2B, Rotronic Corp., Ltd.,
ROY, FRANK J. (M'56), Sr. Aerophysics Engr., Convair,
Ft. Worth, Tex.
ROY, JEAN R. (M'59), Electronics Engr., Quality Evaluation
Lab., USN Central Torpedo Office, Newport, R.I.
ROY, KSHITI M. (A'46-M'57), Assoc. Prof., Elec. Engr.,
Birla Institute of Technology, P. O. Mesra, Ranchi, Bihar,
India.

India.

ROY, LAWRENCE B. (M'56), Lt. Col., AUS Ret., U.S. Amy Composite Group, APO 757, New York, N.Y.
ROY, OREST Z. (S'55-M'56), Jr. Research Officer, Natl. Research Council, Montreal Rd., Ottawa, Ont., Canada.
ROY, ROB J. (S'56-M'57), Instr., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn, N.Y.

ROY, W. R. (M¹57), Supvr., System Communications, Indiana & Michigan Electric Co., Ft. Wayne, Ind. ROYAL, DOUGLAS E. (S¹48-A¹51), Mem. Tech. Staff, Ramo-Wooldridge, 8820 Bellanca, Los Angeles 45, Calif. ROYAL, EDDIE L. (M¹57), Sr. Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif. ROYALTY, MARION C. (M¹46), Sales Mgr., E.F. & I. Projects, Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.

Carlos, Calif.

ROYCE, E. RAY (M¹52), Chief, ROKA Branch, Signal Sect., Hors., 8th U. S. Amy, APO 301, San Francisco, Calif.

ROYCE, HENRY W. (S¹42-A¹43-M¹55), Chief Engr., Instrumentation, Martin Co., Baltimore 3, Md.

ROYCE, RICHARD K. (S¹50-A¹51-M¹56), Electronics Scientist, Naval Research Lab., Washington, D. C.

ROYCE, ROBERT C. (M¹59), Assoc. Engr., American Bosch Arma Corp., Garden City, L. I., N. Y.

ROYDEN, GEORGE T. (A¹19-M²27-F¹33), 261 Highland Rd., South Orange, N. J.

ROYER, DONALD P. (A¹56), Radio Technician, Dept. of Transport, Edmonton, Alta., Canada.

ROYER, GEORGE H. (S¹49-A¹51-M¹56), Staff Engr., Industrial Process Control Dept., IBM, Box 216, Yorktown Heights, N. Y.

ROYER, RICHARD N. (S¹55-M¹58), 713 Burchett. Glen-

ROYER, RICHARD N. (S'55-M'58), 713 Burghett, Glen-dale, Calif.

dale, Jail.

ROYER, WESLEY C. (SM'58), Lt. Col., USAF, Special
Asst. to Deputy Chief of Staff, Communications, Hgrs.,
17th Air Force, APO 231, New York, N.Y.

ROYKO, WALTER (M'52), Sr. Engr., Canadian Aviation Electronics, 387 Sutherland St., Winnipeg, Man., Canada. ROYS, H. E. (A'27-SM'47-F'55), Mgr., Record Engrg., RCA Victor Record Div., 501 N. LaSalie St., Indianapolis 1, Ind.

ROYSTON, MARVIN F. (SM'53), Chief Dev. Engr., Projector Systems, Bell & Howell Co., 7100 McCormick Rd., Chicago 45, III.

45, III.

ROZAK, DONALD T. (A¹56), Field Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

ROZANSKI, RAYMOND R. A. (S¹56-M¹58), Electronics Engr., U. S. Govt. Home: 7243 Forest Rd., Hyattsville, Md.

Md.

ROZAS, FELIX (A'49-M'55), Mem. Tech. Staff, Radio
Plane Co., 8000 Woodley, Van Nuys, Calif.

ROZIER, CHARLES P. (M'59), Cmdr., USN, CIC Systems
Evaluation Officer, U.S. Naval Research Lab., Chesapeake
Beach, Md.

OBBOTH, MINISTRUCTOR OF THE STREET OF T

Pentagon, Arlington, Va.
RUBEN, HARRY (A'37-SM'47), Mgr., Defense Electronics
Prods., RCA, Camden, N.J.
RUBE NDALL, KENNETH W. (M'57), Field Service Rep.,
Westinghouse Elec. Corp., Friendship Internatl. Airport,
E&S Dept., Baltimore 3, Md.
RUBENSON, JOSEPH G. (S'41-A'44-SM'51), Engrg. Specialist, Sylvania Elec. Prods., Inc., Box 188, Mountain
View, Calif.

N.W. 10, England.
RUBENSTEIN, SAMUEL J. (A'30-VA'39), Commercial
Mgr., Communications & Navigation Div., Electronic Industries, Ltd., 126 Grant St., South Melbourne, Australia.
RUBENSTEIN, STANLEY E. (S'52-453-M'58), ElectroMechanical & Electronics Engr., LMED, GE Co., Utlca,

Mechanical & Electronics Engr., LMED, GE Co., Ulica, N.Y.
RUBERTI, ANTONIO (A'57), Research Engr., Fondazione
"Joo Bordoni," Viale Trastevere 189, Roma, Italy.
RUBERTONE, ANTHONY (M'57), Project Engr., American
Bosch Arma Corp., Garden City, L.I., N.Y.
RUBIN, ALBERT (A'58), Test Engr., Ford Instrument Co.,
31-10 Thomson Ave., Long Island City 1, N.Y.
RUBIN, ARTHUR I. (M'57), Suprv., Analog Computation,
Electronic Associates, Inc., Box 582, Princeton, N.J.
RUBIN, ERD Z. (M'56), Pres., Ben Z. Rubin Co., 16130
Meyers Rd., Detroit 35, Mich.
RUBIN, EDWARD R. (5'53-M'58), Assoc. Engr., Douglas
Aircraft Co., Santa Monica, Calif.
RUBIN, H. B., (A'37-VA'39), Engrg. Service Co., 168
Davenport Ave., New Haven 11, Conn.
RUBIN, H. AROLD L. (A'57), Treas., Universal Prods., Inc.
224 N. Montelle St., Brockton, Mass.
RUBIN, J. EDWARD M. ("49), Engr., GE Co., Syracuse, N.Y.
RUBIN, J. (BNACY S. (M'56), Electronics Engr., Polarad
Electronics Corp., 43-20 34 St. Long Island City 1, N.Y.
RUBIN, J. (BNACK S'-49-450-M'56), F. Projecte Electronics
Engr., Emerson Radio & Phonograph Corp., 14 & Coles Sts.,
Jersey City 2, N.J.
RUBIN, JEROME S. (M'58), 11 E. 44 St., New York 17,

RUBIN, JEROME S. (M'58), 11 E. 44 St., New York 17,

RUBIN, LAWRENCE G. (SMI59), Mgr., Instrumentation Group, Research Div., Raytheon Mfg. Co., Waltham 54, Mass.

Mass .

RUBIN J. LEON (M'45-SM'54), Tech. Dir., Ind. Brasileira de Eletricidade S.A., "INBELSA," R. Afonso Celso 1065 V. Mariana, Sao Paulo, Brazil.

RUBIN, LLEWELLYN A. (S'51-M'57), Asst. Prof., Elec. Engra., George Washington Univ., Washington 6, D. C. RUBIN, MILTON D. (A'45-M'48), Suddept. Mgr., The Mitre Corp., Lexington 73, Mass.

RUBIN, MOSHE M. (A'55), Teacher Technion, Israel Institute of Technology Tech. High School, Box 4910, Halfa, Israel.

NUBIN, RICHARD (S'48-A'49-M'55), Scct. Head, Antenna Dev. Sect., Sylvania Elec. Prods., Inc., Waltham, Mass. RUBIN, SAMUEL (A'55), Microwave Group Leader, Avco Mfg. Corp., 201 Lowell St., Wilmington, Mass. RUBIN, SAMUEL W. (M'46), Sect. Head, Microwave Re-search & Dev. Polytechnic Research & Development Co., 200 Tillary St., Brooklyn 1, N.Y.

RUBIN, SANDER (M'56), Engr., IBM, Poughkeepsle. N. Y. RUBIN, SEYMOUR (M'59), Fleld Engr., Filtron Co., Inc., 131-15 Fowler Ave., Flushing, L.1., N.Y. RUBIN, SHERWIN (S'47-A'9-M'53), Electronics Scientist, Natl. Bureau of Standards, Washington 25, D.C. RUBIN, STANLEY (A'47), Broadcasting Engr., WNYC, Municipal Bidg., New York 7, N.Y. RUBIN, WILLIAM L. (S'48-A'49-M'54-SM'57), Research Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y. RUBINFIEN, DAVID (M*51), Mgr., Mkt. Dev., Raytheon Mfg. Co., Needham Heights 94, Mass. RUBIND, CASPER F. (S'56-A'57), Electronics Technician, Doelcam, Boston, Mass. RUBIND, DANN W. (S'47-A'50-SM'55), Sr. Project Engr., ITT Labs., Nutley 10, N.J. RUBINOFF, MORRIS (A'50-M'55), Prof., Elec, Engrg., Moore School, Univ. of Pennsylvania, 200 S. 33 St., Philadelphia 4, Pa.

RUBINOVITZ, JOSEPH I. (A'52-M'56-SM'58), Design Engr., Avco Mfg. Corp., 750 Commonwealth Ave., Boston 15, Mass.

RUBINSTEIN, BORIS (A'55-M'56), Specifications Engr., Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mount Vernon, N.Y.

vernon, N. Y.
RUBINSTEIN, HARRY W. (A'42-M'55), Pres., Sprague of
Wisconsin, Inc., Grafton, Wis.
RUBINSTEIN, RICHARD B. (M'59), Engr., ITT Labs.,
Nutley 10, N.J.

RUBINSTEIN, ROBERT (S'54-A'55), Sr. Design Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.

64, Calif.

RUBIS, C. JOSEPH (S'56-M'57), Sr. Engr., Martin Co.,
Baltimore, Middle River. Md.

RUBLE, CGDRGE B. (M'55), Asst. Prof., Elec. Engrg.,
Rutgers Univ., New Brunswick, N. J.

RUBLE, HAROLD E. (SM'58), Commanding Officer & Dir.,
USN Underwater Sound Lab., Ft. Trumbull, New London,
Conn.

RUBIE F. MNDE S. AMARTINE SOUND AND TRUBLE MARCE.

RUBLE, HYDE E. (A'47-M'49), V.P., Srepco, Inc., 314 Leo, Dayton 4, Ohio. RUBY, DONALD P. (M'57), Electronics Engr., Bendix Aviation Corp., 95 & Troost, Kansas City, Mo. RUBY, ERIC S., JR. (5'56-M'59), Instr., Dewy Technical Institute, 4141 W. Belmont Ave., Chicago, III.

Institute, 4.141 W. Belmont Ave., Chicago, III.
RUCH, DAVID E. (S153-M156), Electronics Engr., Nortronics
Div., Northrop Aircraft, Inc., Hawthorne, Calif.
RUCHKIN, DANIEL S. (S156-M159), Grad. Student, Research Asst., Yale Univ., Dunham Lab. of Elec. Engrg.,
Hillhouse Ave., New Haven, Conn.
RUCK, GEORGE T. (A156), Electronics Engr., Pilotless
Aircraft Div., Boeing Airplane Co., Seattle, Wash.

Aircraft Div., Boeing Airplane Co., Seattle, Wash.
RUCK, HERBERT C. (M'56), Pleasant Grove Rd., Ithaca,
N.Y.
RUCK, RICHARD C. (S'55-M'58), Component Engr., Motorola inc., 1450 N. Cicero Ave., Chicago 51, III.
RUCKELSHAUS, JOHN G. (A'42-M'43-SM'45), Pres.,
John G. Ruckelshaus Labs., Inc., MadIson, N.J.
RUCKI, DANIEL H. (M'53), Dev. Engr., ITT Labs., 343
Cortlandt St., BellevIlle, N.J.
RUCKS, ALFRED J. (S'58-M'59), U.S. Army, Home: Rte.
2. Lebanon. Tenn.
RUCKSTUHL, CHARLES E., JR. (M'55), Eastern Electronics Rep., PacIIIc Div. of Bendix Aviation Corp., Box 391,
Willton, Conn.

Wilton, Conn.
RUDD, CHESTER D. (M'58), Chief Electronics Engr., Teleprinter Corp., 26 Park Pl., Paramus, N.J.
RUDD, FARREST S. (S'50-A'51-M'56), Electronics
Engr., U.S. Forest Service, 507 25 St., Ogden, Utah.
RUDD, RICHARD B. (A'53-M'58), Design Elec. Engr.,
RCA, Camden, N.J.
RUDD, WALLACE C. (M'51), V.P., Engrg., New Rochelle
Tool Corp., 320 Main St., New Rochelle, N.Y.
RUDDELL, ELBERT E. (A'54), Chief, Electro-Mech.
Analysis Sect., Electronic Components Lab., WrightPatterson AFB, Ohlo.
RUDDLEY, JOHN (M'57), RKO Teleradio Pictures., Inc.,

RUDDLEY, JOHN (M'57), RKO Teleradio Pictures, Inc., WOR & WOR-TV, 1440 Broadway, New York 18, N.Y. RUDDOCK, KENNETH A. (S'48-A'49-M'55), Mgr., Geophysical Research, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

Paio Alto, Calif.

RUDDY, WALTER R. (S'48-A'50-M'54), Project Administrator, Mazeltine Corp., Little Neck, L.I., N.Y.

RUDE, PAUL A. (S'54-M'56), Engr., Westinghouse Elec.

Corp., Bettis Atomic Power Dept., Pittsburgh, Pa.

RUDE, RICHARD T. (M'57), Engrq. Mgr., Special Prods.,

Electronic Tube Corp., 1200 E. Mermaid Lane, Philadelphia

18, Pa.

RUDENBUSCH, MERLE A. (A'59), Studio Engr., KTIV-TV, 10 Grandview, Sloux City 4, Iowa.
RUDEBUSCH, MERLE A. (A'59), Studio Engr., KTIV-TV, 10 Grandview, Sloux City 4, Iowa.
RUDEC, ELLIOTT (S'50-A'54-M'59), Tube Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
RUDEN, JERRY (S'53-A'54), Field Engr., Raytheon Canada, Ltd., 61 Laurel St., East Waterloo, Ont., Canada, RUDENBERG, H. GUNTHER (S'41-A'45-M'51-SM'57), Dir., Research & Dev., Transitron Electronic Corp., 168 Albion St., Wakefleid, Mass.
RUDENBER, MARTIN (A'51-M'56), Engr., Rome Air Development Center, Griffitss AFB, N.Y.
RUDENER, MARTIN (A'51-M'56), Engr., Althorne Instrument Lab., Mineola, L.I., N.Y.
RUDERMEN, MILTON (S'47-A'49-M'55), Mem. Tech. Staff, Ramo-Wooldridge, Box 45534, Airport Sta., Los Angeles 45, Calif., IRWIN (S'45-A'48-M'55), Mem.

RUDICH, IRWIN (S'45-A'48-M'55), Mgr., Semiconductors & Special Purpose Tubes, Amperex Electronic Corp., 230 Duffy Ave., Hicksville, L.I., N.Y.

RUDICH, ROBERT (S'50-A'53-M'5B), Sr. Electronics Engr. Transval Engrg. Corp., 10401 Jefferson, Culver City, Calif. RUDICER, THOMAS F. (M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

RUDIGIER, JOSEPH J. (S'51-A'53-M'58), Sr. Electronics Engr., Emerson Research Lab., 1140 East-West Hwy., Silver Spring, Md.

Silver Spring, Md.
RUDIN, BERNARD (S'56-M'57), Analog Computations, GE
Co., 3198 Chestnut, Philadelphia, Pa.
RUDIN, BERNARD D. (M'57), Group Leader, Lockheed
Aircraft Corp., Palo Alto, Calif.
RUDIN, MARVIN B. (S'49-A'50), Electronics & Servo
Engr., RCA, 11819 Olympic Blvd., Los Angeles 64,
Calif.

- RUDIN, STUART (S'52-M'56), Electronics Engr., Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.
 RUDIS, MORRIS (S'47-A'50-M'58), Rellability Engr., Airbome Instrument Lab., Mineola, L., N.Y.
 RUDISH, ROMALD M. (S'57-M'59), Dev. Engr., Wheeler Labs., Box 561, Smithtown, N.Y.
 RUDISILL, DWIGHT R. (A'59), Jr. Engr., Southern Bell Tel. & Tel. Co., 620 Crockett St., Shreveport, La.
 RUDISILL, JOHN A., JR. (A'51-M'56), Pev. Engr., Western Electric Co., Graham-Hopedale Rd., Burlington, N.C.
 RUDISILL, KENNETH R. (A'58), Project Engr., Shaad & Vlets, 5302 Marway, Mission, Kan.
 RUDISUHLE, EDWIN J. (A'50-M'55), V.P., Genl. Mgr., Lenkurt de Mexico, Tenayuca & 475-1, Mexico 13, D.F.
 Mexico.
 RUDKIN, RALPH L. (S'55-M'57), Electronics Scientist, U.S. Naval Radiological Defense Lab., San Francisco 24, Calli.
 RUDNER, BEULAH S. (A'46-SM'53), Research Assoc.,

- Call?

 RUDNER, BEULAH S. (A'46-SM'53), Research Assoc., Microwave Research Institute, Polytechnic Institute, 55 Johnson St., Brooklyn 1, N.Y.

 RUDNER, MERRITT A. (A'42-SM'51), Pres. & Genl. Mgr., Enflo Copr., Maple Shade, N.J.

 RUDNICK, IRVING M. (A'59), Sales Engr., V.A. Snyder Co., Inc., 2165 Morris Ave., Union, N.J.

 RUDNICK, JACK J. (A'53), Airborne Fire Control Engr., RCA, Camden, N.J.

 RUDNICK, PAUL (M'41-SM'46), Staff Mem., Physicist, Los Alamos Scientific Lab., Univ. of California, Los Alamos, N.M.
- RUDDFSKY, BERTRAM I. (M'56), Eleo. Engr., Pooling Instrument Corp., E. Gate Bivd., Garden City, L.I., N.Y. RUDDFSKY, SAMUEL (A'56), Dev. Engr., C. D.C., Control Service, Inc., 400 S. Warminster Rd., Hatborn, Pa
- Service, Inc., 400 S. Waminister Rd., natbord, Pa. RUDDLF, SEYMOUR (A'50-M'56), Flec. Engr., Lockheed Aircraft, Box 504, Sunnyvale, Calif. RUDDLPH, ERNEST G. (A'35), Relay & Test Electrician, California Electric Power Co., San Bernardino, Calif. RUDDLPH, HANS W., JR. (S'54-M'56), Radio Astronomy Sect., Propagation Lab., AF Cambridge Research Center, Bedford, Mass.

- Bedford, Mass.

 RUDOLPH, IRVIN W. (A'49), Sr. Engr., Strand Engrg. Co., 1354 N. Main St., Ann Arbor, Mich.

 RUDOLPH, JAMES G. (M'59), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N.J.

 RUDOLPH, JOHN D. (S'58-M'59), Engrg. Instr., Hughes
 Aircraft Co., Fullerton, Callf.

 RUDOLPH, RAYMOND L. (S'55-M'57), Electronics Design
 Engr., RCA, Camden 2, N.J.

 RUDOLPH, RICHARD H. (M'46), Mgr., Mktg., Motorola, Inc.,
 Semiconductor Prods. Div., 5005 E. McDowell Rd., Phoenix,
 Ariz.
- Ariz.

 RUDOL.PH, RICHARD J. (M'56), Research & Dev. Asst.,
 Sandla Corp., Sandla Base, Albuquerque, N.M.,
 RUDROFF, MARTIN G. (A'54), Elec. Engr., Bell Tel. Labs.,
 Winston-Salem, N.C.
 RUDWICK, BERNARD H. (A'93-M'58-SM'59), Flight Control Applications Engr., LMED, GE Co., 600 Main St., Johnson City, N.Y.
- SON CITY, N.T.

 RUDY, CLAUDE E., JR. (M'56), Electronics Engr., Land-Air, Holloman AFB, N.M.

- Air, Holloman AFB, N.M.

 RUDY, ERLAND W. (A'44), Electronics Design Engr.,
 Bendix Aviation Corp., 11600 Sherman Way, North
 Hollywood, Calif.

 RUDY, GEORGE J. (S'53-M'56), Assoc. Engr., IBM,
 Poughkeepsle, N.Y.

 RUDY, PERRY (M'57), Test Engr., Convair, Ft. Worth, Tex.

 RUDZITIS, ARNOLDS (S'53-A'54), Engrg. Designer "B",
 Boeling Airplane Co., Seattle, Wash.

 RUE, ARTHUR K. (S'51-A'54), 2555 Virginia St., Berkeley

 9, Calif.

 RUE, KENNETH M. (A'58) Communication Table 1141.
- 9, Calif.
 RUE, KENNETH M. (A'58), Communication Technician, Northern Pacific Railway Co., 5 & Jackson, St. Paul, Minn.
 RUEDA, JULIO V. (A'41-M'56), Chief Engr., Editorial
 Albatros, Maipu 391, Buenos Aires, Argentina.
 RUEDISUELI, ROBERT W. (A'46-M'55), Supvo.
 Accountant, AT&T Co., 100 William St., New
 York 38, N.Y.
- YON 30, N.Y.

 RUEDY, RICHARD (A'30), Physicist, Nati. Research Council of Canada, Sussex St., Ottawa, Ont., Canada.

 RUEFFER, HAROLD F. (M'58), 311 Mesa Dr., Coata Mesa,
- Calif.
 RUEGER, LAUREN J. (SM*53), Project Supvr., The Johns
 Hopkins Univ., Applied Physics Lab., Silver Spring, Md.
 RUEGGEBERG, WERNER (M*50), Research Engr., Armstrong
 Cork Co., Lancaster, Pa.
- CON CO., Lancaster, Pa.
 RUEHL, GEORGE C., JR. (A'54-M'54), Prop., Electronics
 Specialities Co. of Maryland; George C. Ruehl, Jr., Advertising Co., 2118 St., Paul St., Baltimore 18, Md.
 RUEHLE, ROBERT A. (A'54), 5594 E. Jefferson Ave.,
 Denver 22, Colo.

- RUEHLE, ROBERT A. (A'54), 5594 E. Jefferson Ave., Denver 22, Colo.

 RUEHLEMANN, HERBERT E. (M'55-SM'55), V.P., Engro., Eloc Corp., 'M' St. below Erle Ave., Philadelphia 24, Pa. RUEST, EUGENE A. J. (S'57-A'58), 159 Collier St., Toronto 5, Ont., Canada.

 RUETZ, JUHN A. (S'50-A'50-M'56), Sr. Engr., Varian Associates, Palo Alto, Calif.

 RUF, FRANK C. (S'55-M'58), Systems Engr., Burroughs Corp., 511 N. Broad St., Philadelphia 23, Pa. RUFER, RICHARD P. (S'56-M'58), Electronics Engr., Univ. California, Lawrence Radiation Lab., Box 808, Livermore, Calif.

 RUFF, DONALD D. (S'AS-ALES).

- California, Lawrence Radiation Lab., Box 808, Livermore, Calif.

 RUFF, DONALD O. (S'48-4'51-M'56), Project Engr., Delco Radio Div., GMC, Kokomo, Ind.

 RUFF, HAROLD M. (A'43), TV Transmitter Engr., The Journal Co., Milwaukee, Wis.

 RUFF, JAMES A. (S'54-A'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 RUFF, JAN A. (S'52-A'55), Engr., Elec. Boat Div., Genl. Dynamics Corp., Groton, Conn.

 RUFFINO, LOUIS V. (S'54-M'55), Assoc. Engr., IBM, 2500 Colorado Ave., Santa Modica, Calif.

 RUFUS, DAVID (S'51-A'52-M'57), Western District Mgr., 13041 Cerise Ave., Hawthorne; Calif.

 RUGARI, ANTHONY D. (M'58), Electronics Scientist, Rome Air Development Center, Rome, N.Y.

 RUGE, HERBERT C. (S'57-A'58), Sr. Test Technician, Ford instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

- RUGER, JAMES F. (S'56-M'59), Research Engr., Philco Corp., C & Tiopa Sts., Philadelphia, Pa. RUGG, DAVID A. (A*50), Sales Engr., Natvar Corp., 211 Randolph Ave., Woodbridge, N.J. RUGG, HENRY H. (S'38-A*42-M'45-SM'56), Engrg. Sect. Head, Sperry Gyroscope Co. of Canada, Ltd., Box 710, Montreal, P.Q., Canada. RUGGE RAYMOND A. (SM'57), V.P., Research & Dev. Div., W.L. Maxson Corp., 475 10 Ave., New York 18, N.Y. RUGGIERI, DOMINIC J. (S'57-M'59), Elec. Engr., Kalser Aircraft & Electronics, Box 275, Palo Alto, Calif. BUGGIES, KENNETH W. (S'54-A-155), LI.U. USN. Box
- Aircraft & Electronics, Box 275, Palo Alto, Calif.
 RUGGLES, KENNETH W. (5'54-A'55), Lt., USN, Box
 1507, USN PG School, Monterey, Calif.
 RUGGLES, PAUL R. (S'53-A'54), Elec. Engr., Hazeltine
 Electronics Div., Little Neck 62, L.I., N.Y.
 RUHBERG, DELBCRT L. (S'57-A'59), Assoc. Engr., Texas
 Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 RUHL, WILEY T., JR. (M'55), Mem. Tech. Staff, Hughes
 Aircraft Co., Fullerton, Calif.
 RUHMAN, SMIL (SM'56), Chief Electronics Engr., Packard
 Bell Computer Corp., 1905 S. Armacost Ave., Los Angeles
 25, Calif.
 RUHRMANN. ALFRED A. (SM'57). Chief Engr., Transmitter

- 25, Calli.

 RUHRMANN, ALFRED A. (SM'57), Chief Engr., Transmitter Dev. & Design, Telefunken-GmbH, Sickingenstr. 26, Berlin NW 87, Germany.

 RUINA, JACK P. (S'48-A-4'9-M'55), Research Assoc. Prof., Control Systems Lab., Univ. of Illinois, Urbana, Ill.

 RUITER, JACOB H., JR. (W'45-SM'53), Sales Mgr., Electronic Equipment, Curitss-Wright Corp., Electronics Div., 620 Passaic Ave., West Caldwell, N.J.

 RUZ, ALBFRT I. (SM'56), Engr., GE Co., Richland, Wash.

- PULZ, ALBFRT 1. (SM-56), Engr., GE Co., Richland, Wash.

 RUIZ, FELIPE (S'53-A'55), Calle Norte 81, No. 67, Mexico 16, D.F.

 RUIZ, MANUEL L. (S'56-M'57), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif.

 RULE, RONALD M. (A'58), Installation Supvr., Page Communications Engrg., inc., 710 14 St., N.W., Washington, D.C.

 RULLISON, ROBERT R. (S'50-A'53-M'58), Dev. Electronics Engrg., RCA, Camden 2, N.J.

 RULLISON, JAMES P. (M'46), Engry., New York Telephone Co., 158 State St., Albany 1, N.Y.

 RULLMAN, ELMER E., JR. (A'56), Pres., Relay Sales, Inc., Box 186, West Chicago, Ill.

 RULLMAN, ROBERT G. (S'50-A'53-M'59), Engr., Circuit Design, Tektronix, Inc., Portland, Orc.

 RULDNG, CLARENCE P. (M'54), Transmitter Operator, Crosley Broadcasting Co., Sta., WLWC, 3165 Olentangy Blvd., Columbus, Ohio.

 RUMBLE, ALFRED R. (SM'56), Electronics Engr., U.S. Army Signal Intelligence Agency, Arlington Hall Sta., Arlington, Va.

 RUMBLE, BRICE E. (S'50-Suparise Manuers Branch Calif

- Army Signal Intelligence Agency, Artington Hall Sta., Artington, Va.

 Army Signal Intelligence Agency, Artington Hall Sta., Artington, Va.

 RUMBLE, BRICE E. (S'55-M'56), Applications Engr., Hughes Prods., 500 Superior, Newport Beach, Calif., RUMBLE, GRAHAM F. (S'53-A-454), TV Engr., KRON-TV, 901 Mission, San Francisco 19, Calif.

 RUMBLE, WILLIAM G. (M'57), Engr., RCA, Camden, N.J.

 RUMBOLD, DELMER G. (M'57), Engr., RCA, Camden, N.J.

 RUMBOLD, DELMER G. (M'57), Physicist (Radio), Natl. Bureau of Standards, Boulder Labs., Boulder, Colo.

 RUMFELT, ANNE (M'57), Physicist (Radio), Natl. Bureau of Standards, Boulder Labs., Boulder, Colo.

 RUMI, GIAN-CARLO (S'54-M'57), VIa Cavour 8, Lecco 'Como,' Italy.

 RUMIN, INICHOLAS C. (S'57-M'57), Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P.O., Canada.

 RUMMENS, WILLIAM S. (A'53), Engr. Coordinator, Materiel Dept., Boeing Airpilane Co., Seattle 24, Wash.

 RUMMER, DALE I. (M'53), Instr., Elec. Engrg., Univ. of Kansas, Lawrence, Kan.

 RUMPEL, CARL H. (A'36), Mem. Tech. Staff, Bell Tel.

 Labs., Whippany, N.J.

 RUMPH, GEORGE F. (A 58-M'58), Engr. Alde, instruments for Industry, 150 Glen Cove Rd., Mineola, L.I., N.Y.

 RUMRILL, HOWARD J. (M'57), Sr. ProJect Engr., Juniv. of California, Berkeley, Calif.

 RUMSEY, VICTOR H. (SM'50), Prof., Elec. Engr., Univ. of California, Berkeley, Calif.

 RUMSEY, WILLIAM E., JR. (M'54), Research Engr., Microwaves, Autonetics Div., No. Amer. Aviation, Downey, Calif.

- Unwhey, Lall.

 RUMSTEIN, AHARON (A'59), Teacher, Radlo College of Canada, 3454 Denis St., Montreal, P.Q., Canada.

 RUMYANTSEV, LEONID A. (A'58), Znd Secy., Embassy of U.S.S.R., 1125 16 St., Washington, D.C.

 RUNDLETT, LYMAN M. (M'44), Police Communications Advisor Michigan State Univ., c/o American Embassy, Salgon, Viet Nam.
- RUNDQUIST, CHARLES F. (A'58), Administrative Sr. Instr., Martin Co., Orlando, Fla. RUNDSTEDT, RONALD J. (S'52-A'53-M'58), Engr., RCA, Harrison, N.J.
- marrison, N.J.
 RUNETT, ARTHUR J. (A'50-M'58), Sr. Prod. Engr., AC
 Spark Plug, Milwaukee 4, Wis.
 RUNGE, LAMBERT (S'56-M'59), Asst. Research Engr.,
 Midwest Research Institute, 425 Volker Blvd., Kansas
 City 10, Mo.
- RUNGE, WILHELM T. (SM*56), Head, Research Institute, Telefunken-GmbH., SoftIngevstrasse, Ulm-Donau 14a, Germany.
- RUNGE, WILLIAM A., JR. (M'59), Engr., Bell Tel. Labs.,

- RUNNEC, WILLIAM A., JR. (M'59), Engr., Bell Tel. Labs., Whippany, N. J.

 RUNKEL, WALTER E. (M'56), TV Tech., Dir., WW.J-TV, The Evening News Assn., 622 W. Lafayette, Detroit, Mich. RUNKLE, ELZA G., JR. (A'44-M'55), Transmitter Engr., WYYZ, Inc., (Subsidiary ABC-UPT, Inc.), 20811 W. Ten Mile Rd., Southfield, Mich. RUNKLE, L. DANIEL (A'46-M'56), Tech. Specialist, Mechanical Div., Genl. Mills, Inc., 2003 E. Hennebin Ave., Minneapolis 13, Minn.

 RUNTE, D'TO J. (S'57-A'58), Electronics Technician, Hazeltine Corp., Little Neck, L.I., N.Y.

 RUNYAN, RAYMOND A. (S'42-A'43-M'53), Dir., Research, Data-Control Systems, Inc., 39 Rose St., Canbury, Conn. RUNYAN, RAYMOND E. (S'56-M'58), Operations Analyst, MIT., Operations Evaluation Group, Office Chief of Naval Operations Op 03EG, Washinston 25, D.C.
- RUNYAN, ROBERT W. (A'58), Specification Analyst, Convair, Pomona, Calif. RUNYAN, THOMAS W. (S'50-A'51), Electronics Engr., Convair, San Diege 12, Calif.

- RUNYAN, WALTER R. (S'51-A'52-M'57), Sr. Engr., Texas (nstruments, inc., Box 312, Dallas, Tex. RUNYAN, WESLEY G. (S'56-M'59), Elec. Engr., Delco Radio Div., GMC, 700 E. Firmin St., Kokomo, Ind. RUNYON, CARMAN R., JR. (4'18-VA'39-SM'57KL), Chmn., Bd. of Dirs., Radio Engra. Labs., Inc., 29-01 Borden Ave., Long Island City 1, N.Y.
- Borden Ave., Long Island City 1, N.Y.
 RUNYON, JOHN P. (A'53-M'58), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.
 RUNYON, ROBERT E. (A'57), Genl. Mgr., Nebraska Communications & Electronics, Inc., 619 Sherman, Grand
 Island, Neb.
- RUOFF, CARL E. (S'58-M'59), Jr. Engr., IBM, Endicott,
- RUPCICH, JOSEPH N. (A'55), Electronics Test Specialist & Project Technician, AC Spark Plug, Aberdeen, Md. RUPE, JACK W. (M'59), Sr. Engrg, Writer, Westinghouse Elec. Corp., Friendship Internati. Airport, Box 1897, Baltimore 3, Md.
- Baltimore 3, Md. RIPERT, Md. St. St. Research Engr., No. Amer. Avlation, Downey, Calif. RIPERT, DOWNEY, Calif. RIPERT, DOWNEY, Calif. Michigan, Research Institute, Ann Arbor, Mich. RUPLENAS, ROBERT J. (A. 42—M. 47.), Engra. Asst., Genl. Radio Co., 22 Balter Ave., West Concord, Mass.
- RUPP ARNOLD (M158), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.
- RUPP, EDWARD W., JR. (S'48-A'50-M'55-SM'57), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.
- RUPP, HERBERT R. (S'57-M'59), 4014 N. Central Park, Chicago 18, III. RUPP, OSCAR R. (A'44), 68 N. Hillside Ave., Chatham, N.J.
- RUPP, RICHARD B. (S'48-A'50-M'58), Electronics Engr., Sylvania Elec. Prods., inc., 1100 Wehrle Dr., Buffalo 21, N.Y.
- RUPP, VERN T. (A'54), Owner, V.T. Rupp, 307 Parkman, Los Angeles 26, Calif.
- Los Angeles 26, Calli.
 RUPPE, KENNETH E. (S'46-A'50-M'56), Project Engr.,
 Radio-Group, Roelina Airolane Co., Wichita, Kan.
 RUPPEL, ALFRED E. (A'43-M'55), Mem. Tech. Staff,
 Bell Tel. Labs., 463 West St., New York 14, N.Y.
 RUPPEL, DAVID (S'49-A'50-M'58), Staff Engr., Crosley
 Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25,
 Ohio.
- RUPPENTHAL, WILSON (A'53), Electro-Mech. Designer, Litton industries, 10916 W. Washington Blvd., Culver City, Calif.

- City, Calif.

 RUPPERT, JOHN R. (S'55-M'58), Elec. Engr., IBM,
 Endicott, N.Y.

 RUPPECHT, E., GEORGE (M'58), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.

 RUSCH, HENRY (A'58), Sales Engr., GE Co., 570
 LexIngton Ave., New York, N.Y.

 RUSCH, PHILIP H. (S'57-M'58), U.S. Army. Home:
 1039 E. Gorham St., Madison 3, Wis.

 RUSCH, WILLIAM T. (M'56), Sect. Head, Sanders
 Associates, Inc., 95 Canal St., Mashua, N.H.

 RUSCHE, C. LA MONTEH I. (A'48), Systems Engr., RCA
 (Govt. Service.), Camden, N.J.

 RUSCHS, PAULI V. (A'54), Elec. Engr., David Taylor
- (Govt. Service.), Camden, N.J.

 RUSCUS, PAUL V. (A'54), Elec. Engr., David Taylor
 Model Basin, USN. Washington 7, D.C.

 RUSE, EDWARD O. (A'40-M'52), Assoc. Designer, Canadian
 Westinghouse, Canal Rd., Brantford, Ont., Canada.

 RUSE, WILLIAM A. (M'58), District Traffic Supt., Bell
 Tel. of Canada, Windsor, Ont., Canada.

 RUSH, CHARLES J. (M'56), Electronics Engr., U.S.

 Army Signal Research & Development Lab., Ft. Monmouth,
 N.J.
- N.J.

 RUSH, DONALD R. (S'57-M'59), Engr. 'A', Missile Div., Chrysler Corp., Deboit, Mich.

 RUSH, JAMES M. (S'56-M'57), Asst. Staff Engr., Servomechanisms, Inc., 12500 Aviation, Hawthorne, Calif. RUSH, JAMES W. (A'52-SM'56), Consulting Engr., GE Co., 316 E. 9 St., Owensboro, K. (S'49-A'50-M'58), RUSH, MARTIN (S'55-M'57), Staff Elec. Engr., MIT Instrumentation Labs., Cambridge 39, Mass. RUSH, OMER A., JR. (S'49-A'50-M'58), Electronics Engr., Ryan Aeronautical Co., Lindbergh Field, San Diego 12, Calif.

 RUSH, ROBERT I. (S'56-M'59), Officer, U.S. Ammy Air
- 12, Calli.
 RUSH, ROBERT I. (S'56-M'59), Officer, U.S. Army Air
 Defense Board, Ft. Bilss, Tex.
 RUSH, SIDNEY (M'54), Sect. Head, Sperry Gyroscope Co.,
 Great Neck, L.I., N.,
 RUSH, STANLEY (SM'53), Instr., Syracuse Univ., Syracuse,

- N.Y.
 RUSH, THOMAS D. (M'57), Electronics Engr., Bendix
 Commuter, 5630 Arbor Vitae, Los Angeles 45, Calif.
 RUSHING, GARY F. (S'56-M'56), Electronics Design Engr.,
 Convalr, Ft. Worth, Tex.
 RUSHING, WALTER A. (M'58), Geni. Foreman, Bendix
 Prods. Div., Missiles Sect., 400 S. Belger St.,
 Mishawaka, Ind.
- RUSHO, FRANK W. (M*58), Elec. Engr., LMED, GE Co., Utlca, N.Y.
- Utica, N.Y.
 RUSINOW, KALMAN (S'42-A'45-M'55), Sr. Engr.,
 Central Electronic Co., 2 Richwood Pl., Denville, N.J.
 RUSKIN, DANIEL A. (S'56-M'58), Communications Officer,
 823D Aircraft Control & Warning Sqdn., USAF, Gelger Field,
 Spokane, Wash.
- RUSKIN, DANIEL A. (S'56-M'58), Communications United (8230 ÅIrcraft Control & Warning Sqdn., USAF, Gelger Field, Spokane, Wash.

 RUSNAK, MAURICE (S'47-A'49-M'55), Research Engr., Chicago Midway Labs., 6220 S. Drexel, Chicago 37, Ill.

 RUSNAK, MICHAEL E. (S'56-M'57), Design Engr., IBM, Endicott, N.Y.

 RUSNAK, WALTER J. (S'47-A'48-M'55), Servomechanisms Engr., Bell Alicraft Corp., Box 1, Buffalo 5, N.Y.

 RUSS, B. HERBERT (A'37-VA'39), Tech. Dir., CBS Television, 524 W. 57 St., New York, N.Y.

 RUSS, DONALD S. (S'58-M'59), Production Engr., Electronic Tube Div., Sperry Rand Corp., Galnesville, Fla.

 PUSS, FRITZ J. (A'46-SM'52), Djr., Systems Research Labs., 300 Woods Dr., Dayton 32, Ohlo.

 RUSS, JONNA C. (3'90-VA'39-M'55), Chief, Services & Facilities Branch, Internatl. Div., Common Carrier Bureau, FCC, Washington 25, D.C.

 RUSS, RICHARD B. (SM'47), Prof., Elec. Engr., Union College, Schenectady 8, N.Y.

 RUSS, WILLIAM E. (A'43-M'49), Transformer Design Engr., Chicago Standard Transformer Corp., 3501 W. Addison St., Chicago 18, III.

- RUSSELL, ALFRED W. (A'44-SM'51), Engrg. Mgr., J.T. Hill Co., 420 S. Pine St., San Gabriel, Calif. RUSSELL, ALVAH A., JR. (S'50-A'53-M'57), Engr., RIp-ley Co., Factory St., Middletown, Conn. RUSSELL, BENJAMIN J. (M'56), Sr. Engr., Norair Div., Northrop Corp., Hawthome, Calif. RUSSELL, BLINN W., JR. (M'59), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio. RUSSELL, BUSTER J. (M'58), Elec. Engr., Kleinschmidt Labs., Inc., Deerfield, III. RUSSELL, CARL M. (A'42-SM'50), Deputy DIr., Systems Analysis Directorate, Bureau of Research & Development, Natl. Aviation Facility Experimental Center, FAA, Atlantic City, N.J. RUSSELL, CHARLES C. (S'57-M'59), Electronics Engr., ARDC, Det. 1, Wright-Patterson AFB, Ohio. RUSSELL, CHRISTOPHER H. (S'50-A'51-M'56), Field Engr., RCA, Camden, N.J. RUSSELL, CLIFFORD R. (A'53), Research Engr., GE Co.

- Engr., RCA, Camden, N.J.
 RUSSELL, CLIFFORD R. (A'53), Research Engr., GE Co.
 (of England) Valve Research Labs., India Pavillion, First Way,
 Wembley, Middx., England.
 RUSSELL, DONALD C. (S'41-A'42-M'46), Patent Lawyer,
 Partner, Harris, Klech, Russell & Kern, 417 S. Hill St.,
 Los Angeles 13, Calif.
 RUSSELL, DONALD H. (Al47-MISS).

- LOS Angeles J., Calif.
 RUSSELL, DONALD H. (A'47-M'55), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 RUSSELL, DOUGLAS F. (S'54-M'155), Engr., RCA Victor
 Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.
 RUSSELL, EARL D. (S'54-M'57), Group Leader, Antenna
 Set., Sanders Associates, Inc., 95 Canal St., Nashua,
 N.H.
- R.O. RUSSELL, EDWARD B., JR. (S'50-A'51-M'56), Research Engr., Advanced Technology Labs., 369 Whisman Rd., Mountain View, Calif. RUSSELL, F. DONALD (S'57-M'59), Instr., Arizona State Univ., Tempe, Ariz.
- Univ., Tempe, Anz.
 RUSSELL, FREDERICK A. (M'46-SM'54), Prof. & Chmn.,
 Elec. Engrg. Dept., Newark College of Engrg., 367 High St.,
 Newark 2, N.J.
- NUSSELL, GEORGE A. (M'52), Equipment Engr., Servo Corp. of America, 20-20 Jericho Tpke., New Hyde Park, L.I., N.Y. RUSSELL, GEORGE H. (M'56), Staff Asst., Engra, Westinghouse Elec. Corp., Radio & TV Div., Rte. 27, Metuchen, N.J.
- RUSSELL, GEORGE M. (A'51-M'57), Mgr., Washington Operations, Packard Bell Electronics Corp., 1000 Connecticut Ave., Washington 6, D.C.

- ations, Packard Bell Electronics Corp., 1000 Connections, Packard Bell Electronics Corp., 1000 Connections, RUSSELL, GILES E. (S'55-M'56), Assoc. Engr., IBM, Poughkeepsle, N.Y.
 RUSSELL, GORDON M. (A'46-M'50-SM'57), Assoc. Prof., Elec. Engra., Univ. of Arizona, Tucson, Ariz.
 RUSSELL, HOMER J. (A'51-M'56), Electronics Engr., Air Technical Intelligence Center, Wright-Patterson AFB, Ohio.
 RUSSELL, JAMES A., JR. (A'51-M'56), Chmn., Dept. of Electronics, Hampton institute, Hampton, Va.
 RUSSELL, JAMES D. (A'45-M'48), Pres., TV Sta. KKTV, Box 1078, Colorado Springs, Colo.
 RUSSELL, JAMES W. (A'57), Field Engr., ElectroData Div., Burrough Corp., 460 Siera Madre Villa, Pasadena, Calif., RUSSELL, JEROME A., G. (M'56), Electronics Design Engr., Univ. of California Radiation Lab., Berkeley, Calif., RUSSELL, JOHN A., Illi (S'48-A'49-M'55), Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.
 RUSSELL, JOHN A., JR. (A'36-SM'45-F'58), Mgr., Electronics Lab., GE Co., Syracuse, N.Y.
 RUSSELL, JOHN B., JR. (A'36-SM'45-F'58), Mgr., Electronics Lab., GE Co., Syracuse, N.Y.
 RUSSELL, JOHN B., JR. (A'36-SM'45-F'58), Mgr., Electronics Lab., GE Co., Syracuse, N.Y.
 RUSSELL, JOHN B., JR. (A'36-SM'45-F'58), Mgr., Electronics Lab., GE Co., Syracuse, N.Y.
 RUSSELL, JOHN B., JR. (A'36-SM'45-F'58), Mgr., Electronics Lab., GE Co., Syracuse, N.Y.
 RUSSELL, JOHN B., JR. (A'36-SM'45-F'58), Mgr., Electronics Lab., GE Co., Syracuse, N.Y.
 RUSSELL, LAWRENCE H. (M'58), Engr., TIT Labs., Nutley 10, N.J.
 RUSSELL, LAWRENCE H. (M'58), Engr., ITT Labs., Nutley 10, N.J.
 RUSSELL, LAWRENCE H. (M'58), P. P., Adams-Russell Co., Inc., 200 6 St., Cambridos 42 Mase

- 10, N.J.

 RUSSELL, LINDSAY (A'53), V.P., Adams-Russell Co., Inc., 200 6 St., Cambridge 42, Mass.

 RUSSELL, LOUIS A. (A'51), Project Engr., IBM, Pough-keepsle, N.Y.

 RUSSELL, MARVIN W. (S'54-A'55), Physicist, GE Co., 316 E. 9 St., Owensboro, Ky.

 RUSSELL, NELSON E. (A'53-SM'57), Group Leader, Components Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.
- RUSSELL, PAUL E. (A'53-SM'56), Prof. & Head, Elec. Engrg., Univ. of Arizona, Tucson, Ariz. RUSSELL, PERCY H., JR. (A'55), 800 World Center Bldg., Washington 6, D.C.

- Washington 6, D.C.
 RUSSELL, RICHARD A. (A'58), Mgr., Engrg. Mannuals,
 IBM, Poughkeepsie, N.Y.
 RUSSELL, RICHARD S. (A'51-M'56), Engr., ITT Federal
 Labs., 3200 Wayne Trace, Ft. Wayne, Ind.
 RUSSELL, ROLLIN M. (SM'49), V.P., Sales & Internati.,
 Hughes Aircraft Co., Culver City, Calii.
- RUSSELL, WILLIAM D. (A'48-M'55), Transistor Dev. Engr., Northern Electric Co., 1261 Shearer St., Montreal, P.Q., Canada.
- Canada.

 RUSSELL, WILLIAM D. (S'56-M'57), Elec. Engr., Zenith
 Radio Corp., 6001 Dickens Ave., Chicago, III.

 RUSSELL, WILLIAM F. (S'32-A'53-M'58), Sr. Dev. Engr.,
 Motorola, Inc., 8201 E. McDowell, Phoenix, Ariz.

 RUSSELL, WILLIAM J. (S'49-A'52-M'56), Research Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 RUSSELL, WILLIAM J., JR. (A'46-M'55), Project Engr.,
 Radio Propagation Agency, Ft. Monmouth, NJ.

 RUSSELL, WILLIAM T. (SM'57), Dir., Electromechanical
 Lab., Space Technology Labs., 5730 Arbor Vitae St.,
 Los Angeles 45, Calif.

- RUSSO, ANGELO J. (A'52), Electronics Jlgs & Fixtures, Falrchild Controls Corp., 225 Park Ave., Hicksville, L.I.,
- N.Y.
 RUSSO, JOHN J. (S'55-A'57), Electronics Design Engr.,
 Perkin & Elmer Corp., Main St., Norwalk, Conn.
 RUSSO, LUIGI J. (S'44-A'48-M'55), Dev. Engr.,
 Burroughs Corp. Research Center, Paoli, Pa.
 RUSSO, ONOFRIO L. (M'58), Elec. Engr., Aircraft Radio
 Corp., Boonton, N.J.
 RUSSUM, PAULE. (M'57), Radio Communication Engr.,
 Motorola Communications & Electronics, Inc., 7138 Envoy
 Ct., Dallas, Tex.

- RUST, DEE C. (A'54), Engr., Admiral Corp., 901 California St., Palo Alto, Calif. RUST, JAMES J. (A'50), Raydist Systems Supt., Offshore Raydist, Inc., 3503 Fern St., New Orleans 25, La.

- RUST, MARTIN F. (A'55), Electronics Design Engr., ITT Federal Labs., 3101 Wayne Trace, Ft. Wayne, Ind. RUST, RICHARD F. (5'55-M'57), Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
- Sandia Base, Albuquerque, N.M.
 RUST, WILLIAM F., JR. (SM'45), Pres., The Rust industrial
 Co., 130 Silver St., Manchester, N.H.
 RUST, WILLIAM M., JR. (SM'47-F:53), Asst. Chief
 Geoothysicist, Humble Oil & Refining Co., 1200 Main
 St., Houston 2, Tex.
 RUSTAD, ARTHUR C. (SM'5B), Supvg. Engr., Hazeltine
 Corp., Little Neck 62, L.I., N.Y.
 RUSTAD, LEON W. (M'52), Supvy. Engr., Westinghouse
 Elec. Corp., Box 746, Baltimore 3, Md.
 RUSTAKO, ANTHONY J., JR. (A'5B), Tech. Aid, Bell Tel.
 Labs., Murray Hill, N.J.
 RUSTEMEYER, G. L. (A'42), Transmitter Supvr.. KSD-TV.

- RUSTEMEYER, G. L. (A'42), Transmitter Supvr., KSD-TV, The Pultizer Publishing Co., 12 & Olive Sts., St. Louis,
- MUSTON, JOHN (M'4B), Lab. Mgr., Allen B DuMont Labs., Inc., 35 Market St., East Paterson, N.J. RUTELLI, JOHN P. G.M'4B), Assoc. Prof., Elec. Engrg., Pennsylvania State Univ., State College, Pa.; Consultant Engr. to Westinghouse Elec. Corp., Baltimore, Md.
- Engr. to Westinghouse Elec. Corp., Baltimore, Md.
 RUTERMAN, ERNIE R. (S'53-A'54), Elec. Engr., GE Co.,
 Syracuse, N.V.
 RUTH, CHARLES G. (A'44-M'46), Owner, Gordon Ruth &
 Co., 354 Princess Ave., London, Ont., Canada.
 RUTH, DAVID K. (A'51), Chief Communications Engr., The
 Mfrs. Light & Heat Co., BOO Union Trust Bidg., Pittsburgh
 19. Pa.
- RUTH, EDWARD A., III (SM'52), Exec. Engr., Secy-Treas., Erco Radio Labs., Inc., Stewart Ave., Garden City, L.I., N.Y.
- L.I., N.Y.

 RUTH, HECTOR O. (S'54-M'57), Engr., Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore 27, Md.

 RUTH, JOSEPH K. (S'54-M'56), Asst. Project Engr., Bendix Radio Div., 70wson 4, Md.

 RUTH, LINUS C. (M'49), Mgr., Industry Service Labs., RCA, Ltd., Hardtumstrasse 169 Zurich, Switzerland.

 RUTH, ROY L. (A'54-M'57), Mgr., Inspection Dept., California Tech. Industries, 1421 Old County Rd., Belmont, Calif.
- Calif.

 RUTHAZER, LEONARD B. (S'54-M'58), Engr., Datamatic Corp., 151 Needham St., Newton, Mass.

 RUTHENBERG, WILLIAM G. (A'52-M'57), Electronics Engr., Martin Co., Orlando, Fia.

 RUTHER, HARRY E. (S'57-M'57), Dev. Engr., Motorola, Inc., 4501 W. Augusta Blud., Chicago, III.

 RUTHER, JOHN T. (S'57-M'59), Research Engr., Cincinnati Mill Machine Co., Cincinnati, Ohio.

 RUTHERODD. CHARLES E. (A'45-SM'52), Pres.

- RUTHERFORD, CHARLES E. (A'45-SM'52), Pres., Rutherford Electronics Co., 8944 Lindblade St., Culver City, Calif.
- RUTHERFORD, CHARLES R. (A'49-M'49), Tech. Specialist, Temco Aircraft, Inc., 540 Braniff Airways Bldg., Dallas 35, Tex.
- Tex.

 RUTHERFORD, DARYL H. (S'53-M'58), Jr. Elec. Engr., Perkin Engrg. Corp., 345 Kansas St., El Segundo, Calif.

 RUTHERFORD, JAMES W. (S'58-A'59), Broadcast Technician, Lake Superior Broadcasting Co., 249 W. Washington St., Marquette, Mich.

 RUTHERFORD, ROBERT E. (A'53-SM'57), Mgr., Vacuum Tube Sect., Physics Dept., CBS Labs., 227 High Ridge Rd., Stamford, Conn.
- RUTHERFORD, ROBERT E., JR. (S'55-M'58), Engr., CBS Labs., 227 High Ridge Rd., Stamford, Conn. RUTHERFORD, ROBERT O. (M'57), Design Engr., RCA Victor, Camden, N.J.
- RUTHERFORD, ROBERT R. (M'59), Chief Engr., U.S. Semiconductor Prods., 3536 W. Osborn Rd., Phoenix, Ariz.
- Ariz.
 RUTHRDFF, CLYDE L. (M'56), Research, Bell Tel. Labs., Red Bank, N.J.
 RUTISHAUSER, RUDDLF W. (S'48-A'49-M'52), Asst. Project Engr., Litton Industries, 336 N. Foothill Dr., Beverly Hills, Calif.
- RUTKA, EDWARD P. (M'56), Sales Engr., Sylvania Elec. Prods., Inc., 2001 N. Comell Ave., Metrose Park, III. RUTKIN, BURTON B. (S'50-A'51-M'58), Electronics Research Engr., Univ. of California Medical Center, San Francisco 22, Calif.
- Francisco 22, Calif.
 RUTKOWSKI, CHESTER (A'56), Physicist, Union Thermoelectric Corp., 7212 Circle Ave., Forest Park, III.
 RUTLAND, DAVID F. (S'43-A'45), Pres., Advanced
 Electronics Mfg. Corp., 2025 Pontius Ave., Los Angeles
 25, Calif.
- RUTLEDGE, JOHN E., JR. (M'57), Project Engr., RCA,
- RUTLLEDGE ,JOHN E., JR. (M'57), Project Engr., RCA, Moorestown, N.J.
 RUTLEDGE, PAUL D. (S'54-A'55), Microwave Engr., Microwave Associates, Inc., South Ave., Burlington, Mass. RUTMAN, SHELDON M. (A'54), ASSOc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 RUTSTEIN, HARRY S. (A'55), Pres., Eastern Associates, Inc., 5612 Belleville Ave., Baltimore 7, Md.
 RUTSTEIN, IRVING (S'53-A'55-SM'56), Electronics Systems Engr., Republic Missiles Div., 223 Jericho Tpke., Mineola, L.I., N.Y.
 RUTTENBERG, KENNETH A. (S'55-M'58), Asst. Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City J. N.Y.

- City 1, N.Y.

 RUTTENBERG, SAMUEL (A'53), Chief Engr., Amperite
 Co., Inc., 561 Broadway, New York 12, N.Y.

 RUTTER, ALLAN (A'58), Engrg. Aide, Instruments for
 Industry, 101 New South Rd., Hicksville, L.I., N.Y.

 RUTTER, FRANCIS J. (SM'58), Supvy. Engr., Westinghouse
 Elec. Corp., Box 1897, Baltimore, Md.

 RUTTER, VANCE E. (M'57), Mem. Tech. Staff, Bell
 Tel. Labs., Ailentown, Pa.

- Tel. Labs., Allentown, Pa.

 RUTZ, ELISABETH M. (SM'56), Principal Engr., Emerson Research Labs., 701 Lamont, Washington, D.C.

 RUTZ, RICHARD F. (A'51-M'56), Sr. Physicist, Research Lab., 18M, Poughkeepsie, N.Y.

 RUVIN, ABRAHAM E. (A'46-M'55), Sect. Head, Radar Systems Dept., Airborne Instrument Lab., Mineola, L.I., N.Y.

 RUZE, JOHN (S'39-A'40-M'46-SM'55), Dir., Radiation Engrg. Lab., Maymard, Mass.

 RUZ GIS, ALGERT G. (M'58), Electronics Engr., U.S.

 Army Signal Research & Development Lab., Ft. Monmouth, N.J.

- RUZIC, JOHN (A'54), Technician, Design Layouts of Prod. Prototypes, Beckman Instruments, 2200 Wright Ave., Richmond, Calif.
- RYAN, ALDEN H. (SM'47), Mgr., GE Microwave Lab. at Stanford, 601 S. California Ave., Palo Alto, Calif. RYAN, CHARLES C. (A'54-M'57), Sr. Elec. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. RYAN, CHARLES E. (A'45-M'46), Supvg. Physicist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.
- RYAN, CHARLES M. (A'36-SM'53), Asst. Prof., Elec. Engrg. Dept., Univ. of Miami, Coral Gables, Fla. RYAN, DAVID C. JR. (A'55-A'58), 2717 73 Pl., Hyatsville, Md.
- RYAN, EDMUND C. (M'59), Chief Mfg. Engr., Ohio Brass Co., Mansfield, Ohio.

- Co., Mansfleid, Öhio.

 RYAN, EDWARD H. (A'47-M'55), Supvy. Genl. Engr.,
 Data Processing, Navy Dept., New York Naval Shipyard,
 Brooklyn 1, N.Y.

 RYAN, FRANCIS M. (J'14-A'17-M'26-F'40), Radio Engr.,
 AT&T Co., 195 Broadway, New York 7, N.Y.

 RYAN, FRANK A. (A'55), Mgr., Contractural Engr., United
 Aircraft Prods., Inc., 1116 Bolander Ave., Dayton, Ohio.

 RYAN, G. ELWOOD (J'33-A'35-VA'39), Asst. Tech. Dir.,
 Booth Broadcasting Co., Inc., 2516 David Broderick Tower,
 Detroit 26, Mich.

 RYAN, HAROLD J. (M'4B), Sr. Engr., Federal Telephone &
- Detroit 26, Mich.

 RYAN, HAROLD J. (M'4B), Sr. Engr., Federal Telephone & Radio Corp., 100 Kingsland Ave., Clifton, N.J.

 RYAN, HARRY T. (A'53), Asst. Electronics Engr., Argonne Natl. Lab., Lemont, III.

 RYAN, HERBERT G. (M'54-SM'59), Asst. Dir., Genl. Engr., OBS-Hytron, 100 Endicott, Danvers, Masss.

 RYAN, JAMES E. (A'44), Electronics Engr., Mason Fumiture Co., Fall River, Mass.

- Co., Fall River, Mass.

 RYAN, JOHN F. (S'58-M'59), Instr. & Research Asst., Ohio State Univ., Columbus 10, Ohio.

 RYAN, JOHN G. (S'56-M'58), Elec., Engr., Naval Air Development Center, Johnsville, Pa.

 RYAN, JOHN J. (S'52-A'53-M'58), Sr., Engr., Microwave Electronics Div., Sperry Rand Corp., Clearwater, Fla.

 RYAN, JOHN W. (A'58), Field Rep., Hughes Alrcraft Co., Fullerton, Calif.

 RYAN, JOSEPH W. (C'52-A'58), Fred Rep., Hughes Alrcraft Co., RYAN, JOSEPH W. (C'52-A'58), Fred Rep.

- Fullerton, Calif.

 RYAN, JOSEPH W. (S'52-A'55), Engr., Raytheon Mfg.

 Co., Burlington, Mass.

 RYAN, L. ELDON (A'53-M'54), Sr. Electronics Technician,

 Northrop Altreaft, Inc., Hawthome, Calif.

 RYAN, LE ROY J. (M'55-SM'58), Staff Engr., Illinois Bell

 Tel. Co., 20B W. Washington St., Chicago 6, Ill.

 RYAN, PATRICK J. (A'55), Mem., Bd. of Dir., V.P.-in-Chg.

 of Southern Div., Reichhold Chemicals, Inc., Tuscaloosa,

 Ala.
- Ala.

 RYAN, PAUL A. (S'54-M'57), Sr. Engr., Internati. Research & Development Corp., Box 55, Worthington, Ohio.

 RYAN, REGINALD D. (S'47-A'49-M'55), Research Officer, C. S.I.R. O., Radlophysics Div., University Grounds, Chippendale, N.S.W., Australia.

 RYAN, RICHARD J. (S'51-A'52-SM'56), Countermeasures Project Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, III.
- RYAN, THOMAS J. (M'52-SM'55), Engrg. Group Supvr., Philoco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. RYAN, VINCENT F., JR. (S'50-A'52-M'57), Design Engr., RCA, Electronic Data Processing Div., Princeton, N.J.
- RVAN, WILLIAM D. (M'55), Asst. Prof., Royal Military College, Kingston, Ont., Canada.

 RYAN, WILLIAM E. (S'43-A'4B-M'55), Physicist, Solid State, ORDTL-250, Diamond Ordnance Fuze Labs., Washington 25, D.C.
- RYAN, WILLIAM J. (S'51-A'52), Field Engr., Radar Specialist, Raytheon Mfg. Co., 239 Reig Ave., Conneaut, Ohio.

- Ohio.

 RYAN, WILLIAM J., JR. (S'44-A'48-M'55), Elec. Engr., 4215 N. Western Pkwy., Louisville 12, Ky.

 RYAN, WILLIAM R., (M'48), V.P., Engr., Edo Corp., College Point 56, L.1., N.Y.

 RYAN, WILLIAM R., JR. (S'55-M'57), Mem. Tech. Staff, Space Technology Lab., Box 95001, Los Angeles 45, Calif. RYBA, FRANK J. (A'577), 3909 N. 40 Ave., Omaha, Neb. RYBAKOFF, GEORGE (M'58), V.P., United Electronics Co., 42 Spring St., Newark 4, N.J.

 RYBNER, JORGEN C.F. (A'25-SM'47-F'53), Prof., Royal Tech. Univ. of Denmark, Ostervoldgade 10, G. Copenhagen K., Denmark.

- RYBON, JOHN C. (A'55), Field Engr., RCA Service Co., Camden, N. J. RYBURN, PAUL W. (A'42-M'52), Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- RYCHLIK, ROBERT F. (A'41-SM'48), Electronics Scientist, USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.
- RYCKMAN, GEORGE E. (A'59), Chief Engr., Duncan Instrument Co., East Liverpool, Ohio. RYCKMAN, WILLIAM D., JR. (A'52-M'58), Project Engr., Advance Engrg., GE Co., 1285 Boston Ave., Bridgeport 2, Conn.
- CHARLES H. (M'56), Mgr. & Engr., Canadian Overseas Telecommunication Corp., Box E-5205, St. John's, Nid., Canada. RYDER, ALTON V. (M'58), Electronics Engr., Martin Co., Orlando, Fia.
- RYDER, EDWARD J. (SM'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
- Labs., Murray Hill, N.J.
 RYDER, JOHN D. (A129-SM'45-F'52), Dean of Engrg.,
 Michigan State Univ., East Lansing, Mich.
 RYDER, ROBERT M. (SM'43-F'57), Semiconductor Device
 Dev. Engr., Beli Tel. Labs., Murray Hill, N.J.
 RYDER, ROBERT R. (S'54-M'58), Flight Test Engr., Douglas
 Aircraft, 3000 Ocean Pk. Blvd., Santa Monica, Calif.
 RYDIN, ROGER A. (S'57-M'58), Assoc. Engr., Westinghouse Atomic Power Dent., Forest Hills 21, Pc.
 RYDZ, JOHN S. (M'57), Engrg. Group Leader, RCA, Camden,
 N.J.
- N.J.
 RYE., ELMER F. (S'57-A'58), Merchandise Supvr., Engineered Sound Systems, Ltd., 169 Kipling Ave., S., Toronto 18, Ont., Canada.
 RYERSON, CLIFFORD M. (SM'55), Engrg. Reliability Administrator, RCA, Camden, N.J.
 RYERSON, J. DELBERT (A'44), Pres., Ryerson Associates, Box 1400, Syracuse 1, N.Y.
 RYERSON, JOSEPH L. (A'55-M'55), Chief, Advance Dev. Lab., Rome Air Development Center, Griffiss AFB, N.Y.

- RYESKY, AARON (M'57), Engrg. Specialist, Philco Corp., Govt. & Industrial Div., 4700 Wissahickon Ave., Phila-delphia 44, Pa.
- RYESKY, SAMUEL (M'46), Pres., The Hunt Corp., 453 Lincoln St., Carlisle, Pa. RYKALA, THEODORE P. (S'47-A'50), Communications Engr., Michigan Consolidated Gas Co., 415 Clifford, Detroit 26, Mich.
- Detroit 26, Mich.

 RYLAND, BETRAN G. (A'44-M'47), Mgr., Spencer Labs.,
 Raytheon Mfg. Co., Burlington, Mass.

 RYLAND, MERLE E. (S'49-A'51), Sr. Engr., Nortronics.

 Div., Northrop Corp., 500 E. Orangethorpe Ave., Anaheim,
 Calif.

- Calif.
 RYLAND, ROBERT T., JR. (M'56), Electronics Engr., U.S. Naval Proving Grounds, Dahlgren, Va.
 RYLL, EWALD (S'51-A'52-M'58), 205 Robert St., Toronto, Ont., Canada.
 RYMAN, JACK L. (S'50-A'53-M'56), Asst. Tech. Dir., Intermountain Network Productions, KGEM, 5601 Cassia St., Bolse, Idaho.
 RYMARZ, LEO E. (M'57), Studio Engrg. Supvr., TV, WWJ-TV, The Detroit News, 622 W, Lafayette, Detroit, Mich.
 RYMASZ, STANLEY J. (A'99), Research Technician, Argonne Natl, Lab., Box 299, Lemont, III.
- Natl, Lab., Box 299, Lemont, III.
 RYMASZEWSKI, EUGENE J. (SM'57), Staff Engr., IBM,
 Poughkeepsie, N.Y.
 RYMER, RICHARD H. (A'54), Sr. Mem, Tech. Staff, ITT
 Labs., 1389 Peachtree St., N. E., Atlanta, Gå.
 RYMER, RICHARD W. (M'57), 1178 Norwood Ave., Kent,
 Ohio.
- Ohio.

 RYMSHA, ALVIN F. (A'55-M'55), Sr. Engr., Lavoie Labs., Inc., Morganville, N.J.

 RYMARD, JOHN P. (A'58), Pres., Radio Electronic Television Schools, Inc., 251 Huntington Ave., Boston 15, Mass.
- Mass.
 RYMASKI, EDMUND G. (S'58-M'59), Assoc, Research
 Engr., Research & Dev., Instrumentation, Cornell Aeronautical Labs., Box 235, Buffalo 21, N, Y.
 RYNDA, THEDDORE C. (S'48-A'50-M'58-SM'59), Chief,
 Interial Technology Sect., Weapons Ouldance Lab., Wright
 Air Development Center, Wright-Patterson AFB, Ohio.

- Inental Technology Sect., Weapons Outlance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohlo RYNDER, LEE S. (A '84-M'53), Instr., 8d, of Education, 140 Rockingham St., Toledo 10, Ohio.

 RYNN, RATHAN (S'42-A'46-M'50-SM'52), Project Research Staff, Princeton Univ., Box 3d, Princeton, N.J. RYNNING, ALFRED (M'56), Dev. Engr., CE X-Ray Co., 4855 W, Electric Ave., Milwaukee 1, Wis.

 RYNNING, JAMES L. (M'55), Maj., USAF, Electronics Officer, Air Defense Command Hgrs., Ent AFB, Colorado Springs, Colo.

 RYON, JOHN C. (S'50-A'52-M'57), Electronics Scientist, Naval Research Lab., Washington, D. F. Engr., Texas Instruments, Inc., Buffalo Speedway, Houston 5, Fex.

 RYPINSKI, CHAMDOS A., JR, (S'47-A'48-M'55), C, A. Rypinski Co., 2005 N. Fair Oaks Ave., Pasadena, Calif, RYPKEMA, JOUKE N., (SM'57), Design Engr., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 30, Ill.

 RYPSTRA, BART, JR. (S'42-A'44-M'55), Engr., Bart Rysstra Television Service, 201 Lincoln St., Charlotte, Mich.
- RYSCUCK, JOHN (A'47-M'55), Electronics Engr., Seaboard Air Line Railroad Co., 3600 W. Broad St., Richmond 21, Va.

- Va.

 RYSKAMP, JOHN H. (M'54), Aeronautical Research Scientist, Natl. Advisory Comm. for Aeronautics, Cleveland Hopkins Airport, Cleveland, Ohio.

 RYSSY, JOHN W. (A'37-VA'39-M'55), Capt., Greater Antilles Sect., USCG, San Juan, Puerto Rico.

 RYSTEDT, THEEDE (A'41-M'45), Engr., Carrier Research & Dev., Western Union Telegraph Co., 60 Hudson St., New York, N.Y.
- YORK, N.Y.
 RYTER, ROBERT L. (M'56-SM'58), Sr. Nuclear Engr.,
 Convair, Box 748, Ft. Worth, Tex.
 RYWAK, JOHN (4'55-SM'58), Mem., Scientific Staff,
 Research & Dev. Labs., Northern Electric Co., Ltd., Belleville, Ont., Canada.
- RYZKO, STANISLAW (A'57), Prof., Technical Univ., War-
- saw, Polano, RZYMOWSKI, E. K. (A'43), Research Engr., Admirality Signal & Radar Est. Home: 12 3rd Ave., Denvilles, Havant, Hamts., England.

- SAAD, THEODORE S. (A'45-SM'54), Pres., Sage Labs., Inc., 159 Linden St., Wellesley 81, Mass. SAADEH, DAVID (S'57-M'58), 317 Baar Ave., Linwood,
- SAAL, RUDOLF S. (SM'57), Head of Research Lab., Network Synthesis, Telefunken GmbH, Backmang, Germany.

 SAALBORN, OTTO E. (S'52-M'58), Elec. Engr., Sylvania Research Labs., Bayside, L.I., N.Y.

 SARI, EDWARD S. (S'50-A'51-M'58), Sr. Electronics Engr., Tegh. Staff, Convair-Astronautics, Box 9415, San Diego 9, Calif.
- Diego 9, Valit.
 SAARI, LEONARD V. (M'48), Transmission Engr., Wisconsin Telephone Co., 740 N. Broadway, Milwaukee 2, Wis.
 SAARI, VEIKKO R. (A'52), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.
 SAARS, WILLIAM F. (M'56), Div. Head, USN Underwater
 Sound Lab., Ft. Trumbull, New London, Com.
- Sound Lab., Ft. Trumbur, new London, com.

 SABAROFF, SAMUEL (A'42-M'54), Sect. Head, R.F.
 Communications Div., Hughes Aircraft Co., Box 90902,
 Los Angeles 45, Calif.
- SABBAGH, ELIAS M. (SM'55), Prof., Elec. Engrg., Purdue Univ., Lafayette, Ind.
- SABBAGH, HAROLD A. (S'54-M'58), 1800 Garden St., West Lafayette, Ind.

- West Lafayette, Ind.
 SABBAH, JACQUES (M'59), Dir., de Cabinet, Ministere des P.T.I., Rabat, Moroccu.
 SABEFF, SABCHO S. (M'46), Systems Engr., Scatter Communications, GE Co., Syracuse, N.Y.
 SABEL, ARNOLD R. (S'51-A'51-M'57), Engr. Group Leader, Motorola, Inc., 56 St., Phoenix, Arl2n
 SABEL, AUGUST J. (S'56-A'58-SM'59), Chief, Surveillance Systems Group, S & E Dir., U.S. Army Combat Surveillance Agency, 1124 N. Highland St., Arlington, Va. SABEL, CAURLES J. (4/57), 6421 N. Damen, Chicago
- SABEL, CHARLES L. (A'57), 6421 N. Damen, Chicago 26, III.

- 359 -

- SABERSON, CARROLL J. (A'44), Salesman, Fred A. Jensen, 510 N. Dearborn, Chicago, Ill.
 ABIN, EDWARD A. (M'52), Supv., Sylvania Elec. Prods., Inc., Waltham, Mass.
 SABIN, EDWARD R. (S'53–A'54), Engr., Cook Research Labs., 6401 W. Oakton St., Morton Grove, Ill.
 SABIN, WALLACE D. (S'48–A'50–M'55), Sr., Dev. Engr., Motorola, Inc., 3102 N. 56 St., Phoeniax, Ariz.
 SABINE, LEON E. (S'38–A'40–M'55), Staff Consultant, Remington Rand Univard, St. Paul 16, Minn.
 SABISCH, KENNETH A. (S'56–M'58), Prod. Evaluation Engr., Sandia Coro., Sandia Base, Albuquerque, N.M.
 SABISKY, EDWARD S. (S'56–M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 SABLE, ANDREW A. (A'56), Sr. Standards Analyst, ITT Labs., Nutley 10, N.J.
 SABLE, JEROME D. (S'49–A'51–M'55), Chief Engr., Field Service Operations, ITT Labs., 31D1 Wayne Trace, Ft. Wayne, Ind. SABO, JOSEPH D. (S'56–M'57), Engr., DSR Staff, Instrumentation Lab., MIT, Cambridge 39, Mass.
 SABOE, JOHN (M'52), Sr. Design, Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Ps.
 SABOL, RICHARD W. (S'45–A'48–A'48–M'55–SM'55), Asst.

- SABOL, RICHARD W. (S'45-A'48-M'55-SM'55), Asst. Project Engr., Space Technology Labs., Inc., Box 95DO1, Los Angeles 45, Calif.
- Los Angeles 45, Calif.

 SABROFF, RICHARD R. (S'55-M'58), 114 Cumberland
 Lane, Madison 4, Wis.

 SABTO-AGAMI, JACOB C. (S'53-A'54), Lecturer, Elec.
 Engrg. Dept., City College of New York, Convent Ave.,
 New York, N.Y.
- SABURI, OSAMU (M¹57), Lab. Mgr., Murata Mfg. Co., Ltd., 1, TsutsumItani-cho, Hino-oka, Yamashina, Kyoto,
- SABY, JOHN S. (SM152), Mgr., Lamp Research, GE Co., Nela Park, Cleveland 12, Ohlo.
- Neia Park, Cleveland 12, Ohlo.

 SACCENTE, JOHN C. (S'46-M'54), 465 Cristlani St., Roselle, N.J.

 SACCO, VINCENT (A'52-M'56), Project From. Avion Div., ACF Industries, II Park Pl., Paramus, N.J.

 SACERDOTI, GIORGIO (A'55), Design Engr., Laboratorie Ricerche Elettroniche Olivetti, Boroolombardo, Milano, Italy.

 SACHA, ROBERT J. (S'49-A'54), Dev. Engr., Swartwout Co., 18511 Euclid Ave., Cleveland, Ohlo.

 SACHDEV, DHARMENDRA K. (A'58), Sr. Scientific Asst., Radio Propagation Unit, Natl. Physical Lab., New Delhi 12, India.

- India.

 SACHEN, RICHARD J. (S'56-M'58), Elec. Engr., Army
 Ballistic Missile Agency, Huntsville, Ala.

 SACHS, AUGUST F. (M'46), Electronic Scientist, U.S.
 Naval Air Development Center, Johnsville, Pa.

 SACHS, BENJAMIN K. (M'57), Mgr., Planning & Quality
 Control, Ketay Dest., Norden Div., United Aircraft Corp.,
 Jericho Toke., Commack, N.Y.

 SACHS, GERALD I. (A'57), Suprr., Microwave Dev. Lab.,
 Bogart Mfg. Corp., 315 Seigel St., Brooklyn, N.Y.

 SACHS, GERALD I. (A'57), Suprr., Microwave Dev. Lab.,
 Production Research Corp., Thornwood, N.Y.

 SACHS, HEPMAN S. (A'54), Partner, Sachs & Zitter Supply

- SACHS, HAROLD L. (S'50-A-152-M'57), Sect. Chlef, Production Research Corp., Thormwood, N.Y., SACHS, HERMAN S. (A'54), Partner, Sachs & Zitcer Supply Co., 389, 10 Ave., Paterson 4, N.J. SACHS, HYMAN A. (M'58), Survy. Engr., Westinghouse Elec. Corp., Baltimore, Md. SACHS, MARTIN (S'47-A-150-M'55), 17-02, 166 St., Whitestone 57, L.I., N.Y. SACHS, RUDOLPH (SM'54), V.P., United Components, 358 Henry St., Orange, N.J. SACK, EDGAR A. (S'49-A-155-M'56), Mgr., Dielectric Devices, Westinghouse Research Labs., Pittsburgh 35, Pa. SACK, VINCENT M. (S'49-A-151-M'56), Field Engr., RCA Service Co., Camden 2, N.J. SACKER, JAMES E. (M'55), Mgr., Telephone Supply Co., 10235, 103 St., Edmonton, Alta., Canada. SACKETT, LOREN C. (M'58), Head, Instrumentation, Northrop Aitcraft Inc., Hawthorne, Calif.
 SACKETT, ROBERT W. (S'52-A'55), Sr. Project Engr., AC Spark Plug Div., 1925 E. Kenilworth Pl., Milwaukee 2, Wis.

- SACKETT, ROBERT W. (S¹52-A¹55), Sr. Project Engr., AC Spark Plug Div., 1925 E. Kenliworth Pl., Milwaukee 2, Wis.

 SACKETT, WILLIAM T., JR. (A¹53-M¹58), Mgr., Research, Kuhiman Electric Co., Bay City, Mich.

 SACKINGER, JAMES P. (A¹52-M¹56), Engr., Westinghouse Elec. Corp., Box 264, Elmira, N.,

 SACKINGER, JAMES P. (A¹52-M¹56), Engr., Westinghouse Elec. Corp., Box 264, Elmira, N.,

 SACKINAN, DONALD A. (S¹54-M¹56), Engr., Computer Lab., GE Co., 951, Commercial St., Palo Alto, Calif.

 SACKMAN, DONALD A. (S¹54-M¹56), Engr., Computer Lab., GE Co., 951, Commercial St., Palo Alto, Calif.

 SACKMAN, ROBERT (S¹48-A¹51), V. P. & Genl. Mgr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 SACKS, EDWARD I. (SM¹59), Sr. Systems Engr., Teleregister Co., 435 Faiffield Ave., Stamford, Conn.

 SACKS, FRED A. (A¹57), Owner, Capitol TV Service Co., Inc., 143 Belmont Ave., Long Branch, N.J.

 SACKS, JACOB M. (S¹48-A¹53-M¹57), Mem. Tech. Staff, Ramo-Mooldrige Corp., 5730 Arbor Vitae, Los Angeles, Calif.

 SACKS, LOUIS H. (M¹58), Engr., Westinghouse Elec. Corp., Friendship Int¹ Airorot, Baltimore 3, Md.

 SACKSON, MITCHELL M. (S¹53-A¹55), Mem. Tech. Staff, G.C., Dewey & Co., Inc., 202 E. 44 St., New York 17, N.Y.

 SACRA, GLENN H., (M¹56), District Mgr., Customer Relations, Electronic Systems Div., Sylvania Elec. Prods., Inc., 225

 N. Washington St., Rome, N.Y.

 SANDERWATER, PAUL O. (S¹47-A¹51-M¹56), Engr., inc., 225

 N. Washington St., Rome, N.Y.

 SANDERWATER, PAUL O. (S¹51-M¹55), Field Engr., Wely Enterprises, 3939 Larkershim Blwd., North Hollywood, Calif., SALER, EVERTITJ, (S¹50-A¹52-M¹57), Pres., Auto-Data, 933 Turquotes, San Diego P. Calif.

 SADLER, EVERTITJ, (S¹50-A¹52-M¹57), Pres., Auto-Data, 933 Turquotes, San Diego P., Calif.

 SADLER, SLESSE G. (SM¹56), Power Tube Engr., Westinghouse Elec. Corp., Box 284, Elmira, N.Y.

 SADLER, LESSE G. (SM¹56), Power Tube Engr., Westinghouse Elec. Corp., Box 284, Elmira, N.Y.

- Alta., Canada.

 SADLER, JESSE G. (SM'56), Power Tube Engr., Westinghouse Elec. Corp., Box 284, Elmira, N.Y.

 SADLER, L. STANLEY (M'55), Chief Engr., WM-TV, West Beltline, Madison 5, Wis.

 SADLER, LARRY R. (S'55-M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- SADOW, RAYMOND M. (A'52), Research & Dev. Staff Engr., Operations Office, Electronic Components Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio. SADOWSKI, HENRY (S'52-A'53-M'58), Electronics Engr., U.S., Atomic Energy Commission, 70 Columbus Ave., New York, N.Y.

- U.S., ALDMIC Energy Commission, 70 Columbus Ave., New York, N.Y.

 SADWOSKY, SEYMOUR S. (S'47-A'49-M'55), Supvr., Process Engre., GE Co., Syracuse, N.Y.

 SADVARY, JOHN W. (S'53-A'54), Sr. Project Engr., Bendix Aviation Co., Teterboro, N.J.

 SAEGER, WALDEMAR (A'52-M'57), Engre. Group Leader, Electronic Data, Processing Engre., RCA, Camden, N.J.

 SAEGER, WALDEMAR (A'55-M'57), Engre., Group Leader, Electronic Data, Processing Engre., RCA, Camden, N.J.

 SAEGER, WALDEMAR (A'56), Electronics Design Engr., Delco Appliance Div., 391 Lyell Ave., Rochester 6, N.Y.

 SAEMAN, CARL D. (S'58-A'59), Elec. Techniclan, IBM, Endicott, N.Y.

 SAEZ, RICHARD G. (S'57-M'58), Electronics Engr., Motorola, Inc., B330 Indiana Ave., Riverside, Callif.

 SAFERSTEIN, LESLIE J. (M'58), Engr., Alrbome Instruments Lab., Mineola, L.I., N.Y.

 SAETER, RALPH A. (S'55-M'577), Engr., Carter Oil, Bogota, Columbia.

- SAFFER, RALPH A. (S'55-M'57), Engr., Carter UII, Bogota, Columbia.

 SAFFITZ, IRVING M. (A'46-M'55), Electronics Engr., Airbome Instrument Lab., Mineola, L.I., N.Y.

 SAFFORD, FRANCIS J. (SM'50), Supvr., Test Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

 SAFFORD, LAURANCE F. (SM'55), Tech. Staff Asst., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va. SAFFRO, VALE L. (A'51-M'54), Sales Engr., Saffro & Gettleman Co., 5209 N. Kimbali Ave., Chicago 25, III. SAFIR, ROBERT (A'45-SM'57), Owner & Engr., Setto-Physics Co., 287 Broadway, New York 7, N.Y.

 SAFRAN, LEONARD L. (S'49-A'50-M'58), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SAFRAN, MURRAY (S'49-A'50-M'58), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SAFRAN, PAUL (S'55-M'58), Engr., Airborne Instrument Lab., Mincela, L.I., N.Y.

 SAFRAN, HARVEY G. (M'57), Sr. Engr., Martin Co.,

- Lab., Mineola, L.I., N.Y.
 SAFREN, HARVEY G. (M'57), Sr. Engr., Martin Co.,
 Baltimore 3, Md.
 SAGAN, EDWARD R. (S'53-A'55), Electronics Technician,
 Burroughs Corp., Paoli, Pa.
 SAGAN, EMIL A. (A'54), Consulting & Application Engr.,
 Westinghouse Elec. Corp., 1180 Raymond Blvd., Newark 1,
 N.J.
- Westinghouse Elec. Corp., 1180 Raymond Blvd., Newark 1, N. J. SAGANOWICH, JOSEPH T. (S'52-A'54-A'158), Elec. Engr., Frankford Arsenal, Bridge & Tacony, Philadelphia 37, Pa. SAGASER, DONALD D. (M'56), Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass. SAGAWA, SCOTT S. (S'57-M'58), Research Engr., Lockheed Missile & Space Dlv., Sunnyvale, Calif. SAGE. ANDREW P., JR. (S'56-M'57), Purdue Univ., School of Elec. Engr., Lafayette, Ind. SAGE, P., DWIGHT (A'54), Pres., Sage Electronics Corp., Country, Club Rd., East Rochester, N. Y. SAGE, IRA M. (M'57), Suppr., Keuffel & Esser Co., 300 Adams & 3rd St., Hoboken, N. J.
 SAGER, JAMES R. (S'55-M'56), J., Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
 SAGER, NAOMI (S'53-A'54), Electronics Engr., Sloan-Kettering Institute, Memorial Center, New York, N. Y. SAGER, RICHARD L. (A'58), Elec. Engr., Zenith Radio Corp., 6001 W. Dickens, Chicago 39, III.
 SAGEY, WILLIAM E. (S'55-M'59), Flec. Engr., Hughes Aircraft Co., Culver City, Calif. SAH, CHIH-TANG (S'59-M'57), Sr. Staff Mem., Shockley Semi-Conductor Lab., 391. S. San Antonio Rd., Mountain View, Calif.
 SAHBA, DARYOOSH R. (M'57), Elec. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

- view, Lalif.

 SAMBA, DARYOOSH R. (M'57), Elec. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 SAHFRAN, LOUIS (A'56-M'59), Electronics Engr., Convair-Astronautics, San Diego, Calif.

 SAHL, GEORGE R. (M'57), Sales Engr., GE Co. Syracuse, N.Y.

- N.Y.
 SAHM, EDWIN J. (A'50-M'55), Sales Specialist, Communications Equipment, Western Electric Co., 233 Broadway, New York 7, N.Y.
 SAHUD, LORING R. (S'54-A'55), Dev. Engr., Beta Electric Div., Sorensen & Co., 333 E. 103 St., New York 29, N.Y.
 SAIERS, JAMES L. (M'58), 1031 W. Angeleno Ave., Burbank, Calif.

- SAILOR, DALE E. (M'59), 1031 W. Angeleno Ave., Burbank, Calif.

 SAIFUDDIN, MR. (M'49), Asst. Engr., Govt. of India, All India Radio, Poona, India.

 SAIGEON, NEWELL D. (S'37-A'38-VA'39-M'49), Tech. Writer & Trainer, Ford Motor Co. Tech. Services Lab., Plymouth & Middle Belt Rd., Llvonia, Mich.

 SAIL, ARNOLD H. (S'49-A'49-M'55), Supvy. Engr., Hazeltine Electronics Corp., Little Neck 62, L.1., N.Y.

 SAILER, EDWARD (M'59), Lab. Mgr., Allegheny Electronic Chemicals Co., Bradford, Pa.

 SAILOR, DALE E. (M'59), Acting Group Leader, Lockheed Missiles & Space Div., Sumnyvale, Calif.

 SAILOR, ROBERT W., JR. (SM'55), Sect. Mgr., Antenna Design, Philos Corp., 3875 Fabian Way, Palo Alto, Calif. SAINT, ROBERT C. (A'57), 231 Arvin St., Bakersfield, Calif.
- Calif.

 SAINT-AMOUR, JOHN D. (A'54), Pres., Assembly Prods., Inc., Chesterland, Ohio.

 SAINT-AMOUR, PAUL M. (A'53), Field Sales Mgr., Keithley Instruments, Inc., 12415 Euclid Ave., Cleveland 6, Ohio.

 ST. ANDRE, GEORGE O. (A'54), TV Studio Supvr., WHDH Inc., 6 St., James Ave., Boston, Mass.

 ST. CLAIR, ANTHONY M. (M'58), 57 Blacklands Rd., Catford, London S.E. 6, England.

 ST. CLAIR, BYRON W. (S'47-A'54-M'59), Dir. Research & Dev., Adler Electronics, Inc., 1 Le Fevre Lane, New Rochelle, N.Y.

 ST. CLAIR, HAL K. (M'56), Project Engr., IBM, San Jose, Calif.

 ST. CLAIR, MAURICE W. (S'49-A'50-M'56), Mgr.,

- Jose, Call.
 T. CLAIR, MAURICE W. (S'49-A'50-M'56), Mgr.,
 Microwave Components Sect., Varian Associates, 611
 Hansen Way, Palo Alto, Call.
- Hansen Way, Palo Alto, Calif.

 SAINTES PRIT, GAS TON L. (SM-54), Directeur de Department. Compagnie Francaise Thomson Houston, Rue Mariu Nikis, Paris 15, France.

 ST. GEORGE, PAUL W. (M'59), Engr., M.B. Foster Electric Co., 368 Congress St., Boston 10, Mass.

 ST. GERMAIN, ARTHUR A. (A'56), Field Quality Engr. (Electronics), Hughes Aircraft Co., Box 5555, Tucson, Ariz.

 ST. JEAN, LLOYD E. (S'42-A'45-M'55-SM'57), Dent. Mgr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

- ST. JOHN, CHARLES G. (M'57), Asst. Project Engr., Rome Air Development Center, Griffiss AFB, N.Y. ST. JOHN, DALE E. (SM'56), Project Engr., Amoux Corp., 11924 W. Washington Blvd., Los Angeles 66, Calif.
- ST. JOHN, ERCELL E. (A'47-M'51-SM'55), Tech. Staff, Research & Dev. Labs., Hughes Aircraft Co., Culver City,

- Research & Dev. Labs., Hughes Aircraft Co., Culver City, Calif.

 ST. JOHN, IRVING S. (S'43-A'45-M'55), Elec, Engr., Seattle City Light, 1015 3rd Ave., Seattle 4, Wash.

 ST. JOHN, JESSE L. (A'57-M'59), Purch, Engr., Hughes Aircraft Co., Culver City, Calif.

 ST. JOHN, JOHN D. (M'56), Project Engr., AC Spark Plug, 1925 E. Kenilworth Pl., Milwaukee 2, Wis.

 ST. JOHN, KARL M. (S'49-A'50-SM'58), Supvg. Engr., Hazeltine Research Corp., Little Neck 62, L.I., N.Y.

 ST. JOHN, ROBERT P. (S'57-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 ST. LOUIS, ROLAND A. (M'56), Assoc. Engr., Allen 8. DuMont Labs., Inc., 760 Bloomfield Ave., Cliffon, N.J.

 ST. NOME, JOHN L. (S'55-M'59), 1055 Belmont Ave., Quebec, P. Q., Canada.

 ST. ROMAIN, JOSEPH 8. (A'56), Gulf Coast Service Mgr., Raytheon Mfg. Co., 4032 Thalla, New Orleans 25, La.

 ST. THOMAS, CAYLORD F. (A'53-M'56), Project Electronics Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Aftz.

- ST. VRAIN, WALLACE E. (A'44-M'53), Chief Engr., Mosley Electronics, Inc., 8622 St. Charles Rd., St. Louis 14, Mo.
- Mostey Electronics, Inc., 6022 St. Charles No., 5t.
 Louis 14, Mo.

 SAITO, NOBUJI (M'58), Instr., Elec. Comm. Engrg.,
 Faculty of Engrg., Tohoku Univ., Sendai, Japan.

 SAITO, SACHIO (A'50-M'53), Electronics Scientist, Natl.
 Bureau of Standards, Washington 25, D.C.

 SAITO, SHIGEBUMI (M'55-SM'56), Prof., Institute of
 Industrial Science, Univ. of Tokyo, Chiba-City, Japan.

 SAITO, YOSHIHISA (S'57-M'58), Asst. Automatic Equipment
 Engr., British Columbia Telephone Co., 768 Seymour St.,
 Vancouver, B. C., Canada.

 SAKAI, YOSIO (M'55), Prof., Tokyo Institute of Technology,
 1 Ookayama Meguro-ku, Tokyo, Japan.

 SAKAI, YUKIO (S'56-M'57), Dev. Engr., Aerojet-Geni.
 Com., 6352 N. Irwindale, Azusa, Calif.

 SAKAMOTO, MITSUO (S'57-M'59), Elec. Engr., Admiral
 Com., 3800 W. Cortiand, Chicago, III.

 SAKAMOTO, ROBERT (S'55-M'58), 1119 Ramona Ave.,
 Corona, Calif.
 SAKAMOTO, ROY T. (S'55-M'57), Mem. Tech. Staff,

- Corona , Callf.

 SAKAMOTO , ROY T. (S'55-M'57), Mem. Tech. Staff ,
 Ground Systems Div., Hughes Aircraft Co., Culver City ,
 Callf.

- Ground Systems Div., Hughes Aircraft Co., Culver City, Callf.

 SAKAMOTO, TOSHIFUSA (M'53-SM'53), Prof., Univ. of Tokyo, Bunkyo-Ku, Tokyo, Japan.

 SAKATE, FREDERICK S. (S'43-A'47-M'54), Dev. Supvr., FAA, Washington, D.C.

 SAKATOS, MICHAEL J. (M'56), 1413 Garven Ave., Wanamassa, Asbury Park, N.J.

 SAKAZAKI, YOSHITAKA (M'57), Electronics Engr., U. S. Naval Air Missile Test Center, Point Mugu, Callf.

 SAKOSKI, CHARLES (A'42), Chief Engr., WBRE-Radio, Inc. & WBRE-TV, Inc., 62 S. Franklin, Wilkes-Barre, Pa. SAKISON, DAVID J. (S'55-M'56), 1463 Beacon St., Brookline 46, Mass.

 SAKSON, PAUL J. (S'51-A'53-M'56), Staff, Geni. Precision Lab., Inc., Pleasantville, N.Y.

 SAKUMOTO, ISAO (S'56-M'57), Special Asst. to District Engr., Ryukyus Internati. Telecommunications Service, Box 287, NCPO, Naha, Okinawa.

- LIIGT., KYUKYUS INTERNATI. I EIECOMMUNICATIONS SERVICE, BOX 287, NCPO, Naha, Okinawa.

 SALA, KENNETH E. (M'58), Engra. Technician, FAA, Aeronautical Center, Oklahoma City, Okla.

 SALADNA, JOHN C. (M'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SALAMAN, ROY G., JR. (S'53-A'54), Research Assoc., Colorado Research Corp., Broomfield, Colo.

 SALAME, GEORGE. (S'52-A'53-M'58), Electronics Engr., Springfield Amnory, Federal St., Springfield, Mass.

 SALAMY, ALFRED E. (S'55-M'56), Ens., USN. Home: Box 158, Whitesville, W. Va.

 SALAMY, MAURICE S. (M'59), Field Engr., Western Electric Co., 220 Church St., New York, N.Y.

 SALAS, MODLEFO E. (S'56-M'58), IT&T'OG' 67 Broad St., New York 4, N.Y.

 SALAT, CATAVIO M. (S'35-A'41-SM'46), Asst. Prof., Moore School of Elec. Engrg., Univ. of Pennsylvania, 200 S.33 St., Philadelphia 4, Pa.

 SALCEOD, RENATO V. (S'58-M'59), 531 Random Rd.,

- S. 33 St., Philadelphia 4, Pa.

 SALCEOO, RENATO V. (S'58-M'59), 531 Random Rd.,

 Baltimore 29, Md.

 SALEM, IBRAHIM A. (M'58), 79 EI-Shemouss St., Alexandria, Egypt.

 SALERNO, ALDO (A'50-M'55-SM'58), Consulting Engr.,

 415 Keyes Rd., Ulica 4, N.Y.

 SALERNO, JAMES (S'48-A'50-M'56-SM'59), Electronics

 Scientist, Olamond Ordnance Fuze Labs., Washington 25,

 D. C.

 SALERNO, INSERU. (MACA MEG. MEG. MEG.)
- SALERNO, JOSEPH (S'49-A'50-M'55), Elec. Engr.,

- SALERNO, JOSEPH (S'49-A'50-M'55), Elec. Engr., MIT, Lincoln Lab., Lexington 73, Mass. SALES, MURRAY (M'57), Engr., Falrchild Camera & Instrument Corp., 5 Aerial Way, Syosset, L. I., N. Y. SALIBA, GEORGE J. (M'39-SM'43), V. P., Bogen-Presto Co., Box 500, Paramus, N. J. SALIBA, GEORGE J. (M'39-SM'43), V. P., Bogen-Presto Co., Box 500, Paramus, N. J. SALIBA JOSEPH R. (S'54-M'56), Staff Asst., Systematics, Inc., 295 Madison Ave., New York, N. Y. SALIHI, JALAL T. (S'53-M'58), Staff Engr., Lenkurt Electric Co., 1105 Country Rd., San Carlos, Calif. SALJI, ZENON B. (A'53), Sr. Engr., Emerson Radio & Phonograph Corp., 14 & Cole Sts., Jersey City 2, N. J. SALIN, GER, HANS W. G. (A'37-SM'46-F'51), Scientific Adviser, Components & Instrumentation Lab. ITT Labs. 3700 E. Pontiac St., Ft. Wayne 1, Ind.
- SALIS_ANDREW E. (SW'55), Sr. Aerophysics Group Engr., Convair, Ft. Worth, Tex.

 SALISBURY, DARWIN L. (S'47-A'49-M'55), Mem. Tech. Staff, Space Technology Labs., 5500 El Segundo Blvd., Los Angeles, Calif.
- SALISBURY, LLOYD L. (S'51-A'51-M'56), Electronic Scientist, Diamond Ordnance Fuze Labs., Washington 25,
- SALISBURY, WINFIELD W. (SM'44-F'47), Tech. Oir., RACOF Div., Varo Mfg. Co., Inc., 2201 Walnut St., Garland, Tex.

- SALIT, MURRAY (S'46-A'48-M'55), Genl Mgr., Electronic & Television Consultants, 1465 Townsend Ave., New York 52, N.Y.
- SALK, DONALD (A'54), Mgr., Electronic Dept., Macknight & Hoffman Inc., 31B Lafayette St., Pawtucket, R.I. SALKUS, STANLEY (M'59), Tube Engrg. Physicist, Philips Electronic Industries, Ltd., 116 Vanderhoff Ave., Toronto,
- Ont., Canada.

 SALL, CHESTER W. (M'52-SM'56), Mgr., Tech. Publications, Industrial Electronic Prods., RCA, Camden, N.J.

 SALLACH, MAX E. (SM'56), In-chg. of Electronics Dev., Addressograph-Multigraph Corp., 1200 Babbitt Rd., Cleveland 17, Ohlo.

- land 17, Ohlo.

 SALLEN, MELVIN J (S'51-A'54), Project Engr., Wayne-George Corp., 1117 Commonwealth Ave., Boston, Mass.

 SALLEN, ROY P. (S'47-A'52-M'57), Engr., Specialist, Sylvania Elec. Prods., Inc., Valkham 54, Mass.

 SALLET, ANDREW P. (M'57), Ground Radar System Site Mgr., Lincioln Lab., MIT, Lexington 73, Mass.

 SALLEY, ERNEST J. (A'57), Engr., Specialist, GE Co., Syracuse, N. Y.

 SALLUS, GERALD M. (A'55-M'59), Supvr., Service Sales, Training & Recruiting, GE Co., Utica, N. Y.

 SALMEN, LEON M., JR. (S'57-M'59), Engr., United States Testing Co., Inc., 1415 Park Ave., Hoboken, N. J.

 SALMI, THEODORE W. (S'57-M'58), Elec. Engr., Missiles Div., Douglas Aircraft, Santa Monica, Calif.

 SALMON, FRED A. (S'56-A'56), Asst. Engr., Ford Instru-
- SALMON, FRED A. (S'55-A'56), Asst. Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N. Y. SALMON, HOWARD A. (S'52-A'55), Engr., American Bosch Arma Corp., Garden City, L. J., N. Y. SALMON, RAYMOND L. (A'56), Base Telecommunications Officer, RCAF, 30 AMB, CAPO 5051, Canadian Armed Forces, Europe.

- SALMON, VINCENT (SM'46), Mgr., Sonics Sect., Stanford Research Institute, Menio Park, Calif. SALMOND, DAVID A (S'58-A'59), Digital Computer Tech-nician, Military Field Service Div., Burroughs Corp., Burnician, Military Field Stroughs Dr., Radnor, Pa

- roughs Dr., Radnor, Pa.

 SALMOND, DUNCAN S. (SM'57), Electronics Engr., FAA,
 Washington 25, D.C.

 SALOMONE, LOUIS, JR. (A'54-M'57), Staff Asst., RamoWooldridge Corp., Denver 1, Colo.

 SALOMONE, SAM M. (M'57), Supvr., Chrysler Missile
 Div., 80x 2628, Detroit, Mich.

 SALOMIMER, DAVID J. (M'58), Electronics Scientist, Research & Dev., Army Rocket & Guided Missile Agency, Redstone Arsenal, Ala.

 SALOMI INSEPHA. BR. (S'48-A'57-M'57). Mem.

- Search & Dev., Army Rocket & Guided Missile Agency, Red-stone Arsenal, Ala.

 SALODM, JOSEPH A., JR. (S'4B-A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Allentown, Pa.

 SALOW, S. ROBERT (A'56), Engr., Epsco., Inc., 275
 Massachusetts Ave., Cambridge 39, Mass.

 SALSGIVER, JOHN P. (A'56), 88 Larson Rd., Egypt, Mass.

 SALTER, ROBERT E. (M'56), Mrs. Rep. & Design, 208

 Sidney St., Houston 3, Tex.

 SALTMAN, ROY G. (S'52-M'56), Engr., Digital Systems, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SALTMARSH, HAZEN J. (S'57-M'58), Sect. Head, Raytheon Mfg. Co., Wayland, Mass.

 SALTON, GERARD A. (S'57-M'58), Instr., Applied Mathematics, Harvad Univ., Cambridge 38, Mass.

 SALTSBURG, SEYMOUR S. (S'47-A'48-M'55), Test Engr., "A," Aerojet Genl., Corp., Box 1168, Sacramento, Calif.

- Engr., 'A, Aerojet Genl. Corp., Box 1168, Sacramento, Calif.
 SALTUS, GEORGE E. (S'49-A'51), Mem. Tech. Staff, 8ell Tel. Labs., 465 West St., New York, N.Y.
 SALTZBERG, 8ENNARD (SM'53), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.
 SALTZBERG, 8URTON R. (S'52-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 SALTZBERG, BURTON R. (S'52-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 SALTZBERG, THEODORE (S'49-A'52-M'57), Asst. Sect. Head, Motorola, Inc., 4545 W. Augusta, Chicago 51, Ill. SALTZBERG, WILLIAM (S'49-A'50-M'55), Project Engr., National Co., 111 Washington St., Meirose, Mass. SALTZER, CHARLES (M'56), Assoc. Prof., Case Institute of Technology, Cleveland 6, Ohio.
 SALTZMAN, ALVIN R. (A'53), Electronic Scientist, Chief Environmental Analysis Branch, Aircraft Electronic & Elec. Lab., U. S. Naval Air Development Center, Johnsville, Pa. SALTZMAN, HENRY (M'53), Sect. Head, Antenna & Microwave Sect., Genl. Precision Lab., Inc., Pleasarkville, N.Y. SALVANO, DANIEL P. (A'49), Asst. Dir., Solid State Devices Div., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 SALVAT, RAUL F. (M'56), Project Engr., John Oster Mfg. Co. 1 Main St. Racine, Wis
- SALVAT, RAUL F. (M'56), Project Engr., John Oster Mfg. Co., 1 Main St., Racine, Wis. SALVATORE, JOSEPH (M'57), Research Engr., Control Systems Lab., Univ. of Illinois, Urbana, III.
- SALVIN, SAMUEL (A'58), Chief Engr., Suburban Tele-Service, Inc., 5217 De La Savane St., Montreal, P.Q., Canada.
- Canaoa .

 SALVO , ROBERT A. (S'55-M'57) , Raytheon Mfg . Co . , Missile Div ., Shawsheen Village , Mass .

 SALZ , HARVEY (S'50-A'51-M'56) , Electronics Dev .
 Engr. , ITT Labs ., Nutley 10 , N .J .

 SALZ , HENRY (S'54-A'55) , Electronics Engr. , Linea Aeropostal Venezolana , Div . de Ingenieria , Maiquetia ,

- Venezuela: SALZ, JAY S. (M'57), Sales Mgr., Trio Labs., Inc., 4025 Merrick Rd., Seaford, L.I., N, Y. SALZ, NORMAN P. (S'44-A'46-M'51-SM'55), Research Engr., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N. Y.
- Burlalo 21, N. Y.

 SALZAR, DAVID E. (S'51-A'54), Data Processing Analyst, GE Co., 3198 Chestnut St., Philadelphia, Pa.

 SALZBERG, ARTHUR (A'43), Staff Supvr., AT&T Co., 32 Ave. of the Americas, New York 13, N.Y.

 SALZBERG, BERNARD (1'25-A'30-M'38-SM'43-F'52), Chief Scientist, Research & Engre, Div., Airbome Instrument Lab., Inc., Mineola, L.I., N.Y.
- SALZSERG, EDWARD (A'53), Microwave Engr., Microwave Development Labs., Inc., 92 Broad St., Babson Park, Wellesley, Mass.
 SALZSERG, IRVING M. (S'56-M'57), Design Engr., Curtiss-Wright, 631 Central Ave., Carlstadt, N J.
 SALZER, CLARENCE E. (A'38-VA'39), Partner, Zinn Engraving Co., 930 Wyandotte, Kansas City, Mo.

- SALZER, ERWIN (M'55), Consultant, The Chase-Shawmut Co., 374 Merrimac St., Newburyport, Mass.
 SALZER, JAMES E. (A'54), Sales Engr., John H. Marvin Co., Inc., 422 1st Ave., W., Seattle 66, Wash.
 SALZER, JOHN M. (S'48-A'50-M'57-SM'58), Sr. Staff, Ramo-Wooldridge, 5500 El Segundo, Hawthorne, Calif. SALZER, PETER (S'57-M'58), Engr., 1TT Labs., Nutley 10, N.J.
- SALZER, ROBERT M. (S'51-A'52-M'56), Engr., RCA,
- Harrison, N.J.

 SALZILLO, EDWARD M. (S'57-M'58), Systems Engr.,
 I8M, Military Prods. Div., Kingston, N.Y.

 SALZMAN, CHARLES F., JR. (S'43-A'45-M'55), Elec.
 Engr., American Machine & Foundry Co., Bruce PI., Green-
- SALZMAN, DAVID (A'58), Service Engr., 2303 Clarendon
- Rd., Brooklyn 26, N. Y.
 SAMARIO, EDWARD J. (M'56), Supvr., Missiles & Space Div.,
 Lockheed Aircraft Corp., Sunnyvale, Calif.
 SAMARTINO, ROGER F. (A'54-M'59), Pres., Danco Corp.,
 Fairview Viliage, Pa.
 SAMBUCO, ALBERT J. (S'54-M'56), Electronics Engr.,
 Hughes Aircraft Co., El Segundo, Calif.
- RAMIESON, LINCOLN R. (A'56), Editor & Publisher, Insula-tion Magazine, Lake Publishing Corp., Box 352, Lake For-est, III.
- ess, III.
 SAMFORD, HARRY L. (A'57), Field Engr., Bendix Radio
 DIv., Baltimore 9, Md.
 SAMMIS, SELAH L., JR. (M'54), Project Engr., Telephonics Corp., Huntington, L.I., N.Y.
- phonics Corp., Huntington, L.I., N.Y.

 SAMMON, AUSTIN C. (A'46), Sr. Technician, ITT Labs.,
 Nutley 10, N.J.

 SAMMON, PETER J. (A'45-M'52), Aircraft Radio Engr.,
 Pan American World Airways, Inc., Idlewild Airport, L.I.,
 N.Y.
- SAMMONS, FRED L. (S'56-M'58), Asst. Project Engr., 8endix Radio Div., Towson, Md. SAMOCKI, CHESTER J. (S'56-M'57), Asst. Elec. Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16,
- III.

 SAMOEN, M. (S'56-M'58), Asst. Elec. Engr., Bandung Institute of Technology, Elec. Engrg. Dept., 8andung, Indonesia.

 SAMOLUK, PAUL (A'44), Engr., Instruments & Accessories Co., 103 Carleton Ave., East Islip, L.I., N.Y.

 SAMP, THOMAS A. (M'56), Supvr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 SAMPERE, RICHARD D. (A'56), Test Mgr., IBM, Poughkeepsie, N.Y.

- keepsie, N.Y.

 SAMPLE, DAVID R. (A'54), Chief, Communications & Attack
 Waming Service, City of Baltimore, Room 419, City Hall,
 Baltimore 2, Md.

- Baltimore 2, Md.

 SAMPLE, GEORGE A. (S'46-A'48-M'55), Engr., GE Co., Ithaca, N.Y.

 SAMPLE, JOHN G. (M'57), Sales Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 SAMPLE, RANDELL F. (S'56-M'57), Research Engr., Draper Corp., Hopedale, Mass.

 SAMPSON, EDWARD J. (A'53), Advanced Dev. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 SAMPSON, ENESTS S. (A'44-SM'51), Dev. Engr., GE Co., Schenectady, N.Y.

 SAMPSON REFIDERICK A. (A'54), Pres. Are Coll &
- Co., Schenectady, N.Y.

 SAMPSON, FREDERICK A. (A'54), Pres., Ace Coll & Electronic Co., 914 Lincoin Hwy., Metuchen, N.J.

 SAMPSON, HARRY I. (A'56), Sr. Research Technician, Hughes Aircraft Co., Fullerton, Calif.

 SAMPSON, JAMES C. (S'48-A'52-M'57), Head, Infrared Projects Dept., Avionics Div., Aerojet-Genl. Corp., Azusa, Calif.

- Calif.

 SAMPSON, SIDNEY F. (S'56-M'58), Mem. Tech. Staff, Beli Tel. Labs., 463 West St., New York, N.Y.

 SAMPSON, WILLIAM F. (SM'59), Sect. Head, Space Communications, Hallamore Electronics Co., 714 N. Brookhurst St., Anahelm, Calif.

 SAMS, THOMAS G. (M'57), Maj., USAF, Staff Officer, 3016, Office of Dir., Communications & Electronics, Hgrs., Tactical Air Command, Langley AFB, Va.

 SAMSEL, RICHARD W. (S'40-A'42-M'55), Advanced Systems Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 SAMSCN, BENJAMIN S. (M'53-SM'53), Plant Mgr., Carol Electronics Corn., 315 W. Stephen St., Martinsburg, W. Va. SAMSON, SEWARD W. (M'47-SM'51), Chief, Components & Techniques Lab., Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.
- SAMSON, JAMES F. (S'57-A'57), Electronics Instr., Oefence Training 8d. (CVT), RCAF Sta., Clinton, Ont., Canada.

- Canada.

 SanSON, RALPH L. (S'48-A'49-M'55), Project Engr., Curliss-Wright Corp., Electronics Div., 631 Central Ave., Carlstadt, N J.

 SAMSON, STEPHEN L. (M'58), Mem. Tech. Staff, 8ell Tel. Labs., Whippany, N J.

 SAMUEL, ARTHUR L. (A'24-VA'39-SM'44-F'45), Research Advisor, IBM, Poughkeepsle, N.Y.

 SAMUEL, JAMES (A'53), Electronic Scientist, Diamond Ordnance Fuze Lab., Washington 25, D.C.

 SAMUEL, JOSEPH, JR. (S'53-M'56), Design Engr., GE Co., Schenectady, N.Y.

 SAMUEL, RHYS (M'54), Administrator, RCA, Somerville, N.J.

- N.J.
 SAMUEL, SERGIU (M'56), Research Engr., Compagnie des Machines Buil, 94 Ave., Gambetta, Paris 20, France, SAMUELIAN, BERJE (A'48-M'55), Service Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 SAMUELS, ALBERT H. (A'55-M'57), Scientist, Lockheed Aircraft Corp., Missile Systems Div., 3251 Hanover, Palo Alto, Calif.
- ARO, Calif.

 SAMUELS, DANIEL S. (A/54), Dev. Engr., Philips Electric Co., 750 S. Fulton Ave., Mt. Vernon, N.Y.

 SAMUELS, FERDINAND A. (M/59), Sr. Design & Dev. Engr., ARDE Engrg. Associates, 75 Austin St., Newark, N.J.
- N.J.
 SAMUELS, J. CLIFTON (S'47-A'50-M'55), Asst. Prof., Engrg. Sciences, Purdue Univ., Lafayette, Ind.
 SAMUELS, KATHLEEN V. (M'56), Oak Ridges, Ont.,
- SAMUELS, MITCHEL (A'54), V. P.-In-chg., Sales, Electronic Fabricators, Inc., 682 Broadway, New York 12,
- SAMUELS, RUEL P. (M'58), 34 Port Royal St., Kingston, Jamaica, B.W.I.

- SAMUELSON, CYRUS D. (J'31-A'33-VA'39-SM'54), Patent Atty., 210 Main St., Hackensack, N. J. SAMUELSON, DALE S. (M'52), Mor., Milltary Prod., Wilcox Electric Co., 14th & Chestnut Sts., Kansas City 27, Mo.
- SAMUELSON, HAROLD R. (S'53-A'55), Asst. Physical Scientist, System Development Corp., 25D0 Colorado, Santa Monica, Calif.
- Santa Monica , Calif.

 SAMUELSON, JOHN R. (S'56-A'57), Engrg. Alde, Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.

 SAMUELSON, ROBERT E. (SM'45-F'57), Engrg. Mgr., Motorola, Inc., Western Military Electronics Center, 8201 E. McDowell Rd., Phoenix, Ariz.

 SAMUELSON, WALLACE H. E. (S'40-A'41-M'55), V.P., Piezo Crystal Co., 265 E. Pomfret St., Carlisle, Pa.

 SAMULON, HENRY A. (A'46-SM'52), Assoc. Dir., Guldance Research Lab., Space Technology Labs., Box 95001, Los Angeles 45, Calif.

- SAMULON, HENRY A. (A'46-SM'52), ASSUC. UT., OUTOMING-Research Lab., Space Technology Labs., Box 95001, Los Angeles 45, Calif.

 SAMWEL, JOHANNES A. (M'59), Friden Holland N. V., 28 Nude, Wageningen, The Netherlands.

 SAN, PHILIP T. (M'56), Asst. Engr., Wireless, Burma Telecommunications Dept., Union of Burma, Hgrs., Telecommunications, Rangoon, Burma.

 SANBORN, JOHN W. (A'28-SM'48), Leader, Systems Projects, RCA Defense Electronic Prods., Moorestown, N. J.

 SANBORN, ROBERT H. (S'50-A'51-M'58), Designing & Building Electronic Equipment & Teaching, Cardner, Colo.

 SANRORNE, JOHN M. (S'47-A'50-M'55), Sr. Engr., J.
- SANDONE JOHN M. (S'47-A'50-M'55), Sr. Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz. SANCES, ANTHÓNY (A'54), Assoc. Research Engr., Amican Machine & Foundry Co., 1104 S. Wabash, Chicago
- SANCHEZ, CHARLES M. (A'58), Sr. Project Engr., Th Emerson Electric Mfg. Co., 8100 Florissant Ave., St. Louis 21, Mo.
- Louis 21, Mo.
 SANDAHL, CARL R. (SM'59), Chief Oev. Engr., Allen B.
 DUMont Labs., 35 Market St., East Paterson, N.J.
 SANDBERG, ALFRED J., JR. (S'49-A'51-M'56), Mem.
 Tech. Staff, Space Technology Labr., Inc., 5500 El
 Segundo Bivd., Los Angeles 45, Calif.
- Segundo Bird., Los Anngeles 45, Calif.

 SANDBERG, EARL L. (M+56), Project Engr., Standard Coll Prods., 2085 N. Hawthome, Melrose Park, III.

 SANDBERG, GERALD L. (S+57-M+58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 SANDBERG, RWIN W. (M+58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 SANDEFER, SAMUEL R. (A+57), Field Engr., Earl Lipscomb Associates, Box 7084, Dallas, Tex.

 SANDEFUR, KERMIT L. (A+52-M+56), Sr. Physicist, Hycon Mfg. Co., 321 S. Arroyo Pkwy., Pasadena, Calif.

 SANDELIN, MARSHALL P. (SM+59), Asst. Project Engr., United Aircraft Corp., East Hartford, Comn.

 SANDER, CHESTER M. R. (A+53), Electronics Mechanic, USN, M. S. T. S., 151 9 S. Alaska Way, Seattle, Wash.

 SANDER, HENRY F. (A+46-M+55), Sr. Engr., Bell Tel. Co. of Pennsylvania, 201 Stanwix St., PittSburgh 22, Pa. SANDER, HOWARD H. (S+51-A+51-M+57), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.,

 SANDER, MARLAND H. (S+31-A+51-M+57), Sales Engr., Marland H. (S+34-B-450-M+55), Sales Engr., Sandia Corp., Sandia Base, Albuquerque, N.,

 SANDER, MARLAND H. (S+31-A+50-M+55), Sales Engr., Annuer.

- Sanoia Corp., Sanoia base, a louquerque, N.M.
 SANDER, MARLAND H. (S'49-A'50-M'55), Sales Engr.,
 Research & Dev., Electronic Engrg. Co. of California, 1601
 E. Chestrut St., Santa Ana, Calif.
 SANDER, RICHARD E. (S'56-M'57), USN (Electronics),
 Aeronautical Engrg. Duty, Naval Air Development Center,
 Johns Ville, Pa.
- Jonnsville, Pa.

 SANDER, SEYMOUR (S'55-M'57), Elec. Engr., Surface
 Communications Engrg., RCA, Camden 2, N.J.

 SANDER, WENDELL B. (S'55-M'57), Sr. Engr., Tasker
 Instruments Corp., 3349 Cahuenga Blvd., Los Angeles
 28, Calif.
- ANDER, WILLIAM E. (A'50-M'55), Sr. Engr., Systems & Simulation, Martin Co., Baltimore 3, Md.

 SANDER, WILLIAM E. (A'50-M'55), Sr. Engr., Systems & Simulation, Martin Co., Baltimore 3, Md.

 SANDER, WILLY M. (S'57-M'59), Project Engr., Blonder-Tongue Electronics, 9 Alling St., Newark 2, N. J.

 SANDERS, ALFRED W. (S'51-A'53-M'57), Sr. Field Service Rep., GE Co., Uica, N.Y.

 SANDERS, ARMAND E. (S'57-M'59), Systems Analyst, GE Co., Syracuse, N.Y.

 SANDERS, CHARLES H. (S'56-M'58), Jr. Dev. Engr., Goodyear Aircraft Corp. Litchfield Park, Arlz.

 SANDERS, EDWIN R. (A'30-SM'46), Soecial Techniques Sect. Mgr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Amherst 21, N.Y.

 SANDERS, HAROLD E. (A'55), Engr., AGT, Div., GE Co.

- SANDERS, HAROLD E. (A'55), Engr., AGT, Div., GE Co., Cincinnati 15, Ohio. SANDERS, JACOB J. (A'55), Staff Engr., IBM, Rochester,
- Minn.
 SANDERS, JESSE F. (A¹49), Engrg. Technician, U.S. Army Ordnance Corps; NIKE Engrg. Branch, Redstone Arsenal, Box 950, Athens, Ala.
 SANDERS, JOHN R. (A¹46), Marine Electronics Engr., Mackay Radio & Telegraph Co., Box 2993, Honolulu,
- Hawali
- SANDERS, JUNIOR G. (A¹55), Electronics Specialist, FAA, Box 2368, Airport Sta., Oakland 14, Calif. SANDERS, LERDY, JR. (S¹45-A¹46-M¹55), Assoc. Publisher, Huntington Park, Dally Signal, 6414 Rugby Ave., Huntington Park, Calif.
- SANDERS, LON L. (A'52-M'57), Engrg. Supvr., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif. SANDERS, MILTON (M'S8), Mgr., Electronics Lab., American Machine & Foundry Co., 11 Bruce Pl., Greenwich,
- Conn.

 SANDERS, NEWELL D. (A'53), Asst. Dir., Advanced Technology, Natl. Aeronautics & Space Administration, 1520 H St., Washington, D.C.

 SANDERS, RALPH G. (A'45), Project Engr., Guild Gultar, Inc., Observer Hwy., Hoboken, N. J.

 SANDERS, RAY, W. (SW159), Dept. Mgr., Space Electronics Corp., 1200 Air Way, Glendale 1, Calif.

 SANDERS, RICHARD M. (S'55-M-5'57), Physicist, Remington Rand Univac, St. Paul 16, Minn.

- Rand Univac, St. Paul 16, Minn.
 SANDERS, ROBERT W. (A'42–SM'47), Chief Radio & TV
 Engr., Magnavox Co., Beuter Rd., Ft. Wayne, Ind.
 SANDERS, ROYDEN C., JR. (S'35–A'38–VA'39–M'55),
 Pres., Sanders Associates, Inc., 95 Canal St., Nashua,
 N. H.
- SANDERS, WILLIAM E. (A'53), Asst. Genl. Chunsel, Natl. Lumber Mirs. Assn., 1319 18 St., N. W., Washington 6, D. C.

- SANDERS, WILLIAM J. (A'54), Engr., Bendix Aviation Corp., 20800 10 1/2 Mile Rd., Southfield, Milch.

 SANDERSON, ALBERT E. (A'50-M'54), Electronics Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 SANDERSON, ALLEN G. (M'57), Chief Studio Engr., WVJ-TV, The Detroit News, 622 W. Lafayette, Detroit 31, Milch.

 SANDERSON, GEORGE H. (S'51-A'53-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SANDERSON, JAMES K. (A'42-M'47), Asst. Transmitter Supvr., Westinghouse Broadcasting Co., 6600 Broadview Rd., Cleveland 34, Ohio.

 SANDERSON, KENNETH W. (S'57-M'59), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calli.

- SANDERSON, REGINALD B. (A'45), Transmitter Engr., Scripps Howard Radio, Inc., WEWS-TV, 7080 State Rd., Parma, Ohio.
- Pama, Ohio.
 SANDERSON, ROBERT F. (S'48-A'50-M'55), Prod. Designer, GE Co., Syracuse, N.Y.
 SANDGREN, GEORGE E. (SM'58), Research Oir., Victor Adding Machine Co., 3900 N. Rockwell, Chicago 18, III.
 SANOHOFER, EDWARO R. (M'57), Staff Quality Engr., Martin Co. Creen File.
- Lin Co., Cocoa, Fla.
 SANOHOLM, RONALD G. (S'56-M'57), Staff Mem., MIT,
 Lincoln Lab., Lexington 73, Mass.
 SANDHU, MOHINDAR S. (A'56), Project Engr., Byron Jackson Electronics, 3300 Newport Blvd., Santa Ana, Calif.
 SANDISON, TERRANCE A. (S'47-A'51-M'56-SM'56), Mfg.
 Engrg., Canadian GE Co., 830 Lansdowne Ave., Toronto,
 Ohl. Canadian

- Engra., Canadian GE Co., 83D Lansdowne Ave., Toronto, Onl., Canadian GE Co., 83D Lansdowne Ave., Toronto, Onl., Canadian GE Co., 83D Lansdowne Ave., Toronto, Onl., Canadian Mey Co., Long of New York, New York 31, N.Y.

 SANDLER, ARNOLD A. (MY-57), Design Engr., Canadian Westinghouse Co., Ltd., Hamilton, Ont., Canada.

 SANDLER, BERNHARDT, (A'47-MY-55), Electronics Technician, U.S., Naval Ordnance Test Sta., China Lake, Calif. SANDLER, HARDLD (S'50-A'52-MY-57), Chmn., Bd. of Dirs., Dir., Engrg., Silicon Transistor Corp., 150 Glen Cove Rd., Carle Place, L.I., N.Y.

 SANDLER, HERBERT M. (S'54-A'55), Equipment Engr., Western Electric Co., 99 Church St., New York 7, N.Y.

 SANDLER, PHILP L. (S'54-A'55), Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 SANDLER, BILLY J. (M'47S), Asst., Prof., Physics, Texas Technological College, Lubbock, Tex.

 SANDLIN, GARY L. (M'47), Chief Engr., Electro Precision Corp., Box 669, Arkadelphia, Ark.

 SANDER, CHESTER A. (SM'59), Dept. Head, Electronics Engrg. Dept., Lycoming Oliv., Avco Mfg. Corp., 550 S. Main St., Stratford, Conn.

 SANDO, GEORGE G. (S'54-M'56), Process Engr., RCA New Holland Pike, Lancaster, Pa.

 SANDOCK, JULES (S'49-A'50-M'59), Engr., M. Ten Bosch, Inc., 80 Wheeler Ave., Pleasantville, N.Y.

 SANDER, Bayer Commission of the Strategian of the Stra

- N.Y. SANDORF, IRVING J. (A'29-SM'46), Prof. & Chmn., Elec. Engro. Dept., Univ. of Nevada, Reno, Nev. SANDOVAL, FRANK O. (A'58), 12827 S. Biola, La Mirada,

- Calif.
 SANDOVAL, JESUS (A'54), Sr. Engr., Philico Corp., 4700
 Wissahickon Ave., Philiadelphia, Pa.
 SANDOVAL, KENNETH A. (M'5B), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.
 SANDOVAL, RICHARD (M'59), Project Engr., Packard Bell
 Electronics Corp., 12333 W. Olympic Blvd., Los Angeles
 64, Calif.
- 64, Calif.
 SANDOZ, OSCAR A. (SM'57), Asst. to Chief Supt., Defence
 Research Telecommunications Est., Defence Research Board,
 Ottawa, Ont., Canada.
- Ottawa, Ont., Canada.

 SANDOZ, ROGER W. (S'56-M'57), Engr., Research & Dev. Avion Div., ACF Industries, 11 Park Pl., Paramus, N.J.

 SANDQUIST, JOHN W. (A'47), Service Engr., Electronic Parts Co., 905 S. Nell, Champaign, Ill.

 SANDRELLI, ROY D. (A'56), Electronics Technician, Dept. Natl. Defense, AiT T. M.S. RCAF, Lincoln Park, Calgary, Alta., Canada.
- Atta., vanada.

 SANDRETTO, PETER C. (A'30-M'40-SM'43-F'54), V.P.
 & Tech. Dir., ITT Labs., Nutley 10, N.J.

 SANDS, EUGENE A. (A'58), Magnetics Research Co., Inc.,
 255 Grove St., White Plains, N.Y.

 SANDS, JAMES S. (M'56), Natl. Service Mgr., Phillips
 Industries, Ltd., 116 Vanderhoof Ave., Leaside, Ont.,
 Canada.
- SANOS, LEO G. (J'27-A'43-M'45-SM'50), Pres., Sands Technical Services, Inc., 26B Godwin Ave., Ridgewood,

- N.J.
 SANDS, WALTER C. (M'55), Cmdr., USN, Office of Naval
 Research, Branch Office, London, Navy 100, Box 39,
 FPD, New York, N. Y.
 SANDSMARK, PETER I. (M'53), Mem. Tech. Staff, Bell
 Tel. Labs., 1600 Osgood St., North Andover, Mass.
 SANDSTROM, DUANE L. (S'57-M'59), 660 S. Cleveland
 Ave., St. Paul 16, Minn.

- SANDSTROM, DUANE L. (S'57-M'59), 660 S. Cleveland Ave., St. Paul 16, Minn.

 SANDSTROM, WILLIAM H. (S'57-M'59), Mgr., Field Engrg., ElectroData Div., Burroughs Corp., 67 35 St., Brooklyn 32, N.Y.

 SANDUSKY, ZANE A. (S'54-M'56), Guidance Engr., Autonetics Div., Mo. Amer. Aviation, Downey, Calif.

 SANDY, ROBERT J. (A'58), Owner & Partner, Instruments for Measurements, 3455 Cahuenga Blud., Hollywood 28, Calif.

 SANE, JAMES M. (A'54), Engr., Equipment Engre. Dect., Western Electric Co., Hawthorne Sta., Chicago, III

 SANFIELD, STUART H. (S'55-M'58), Lt., USAF, APO 919, 613 A.C.&W. Sodn., San Francisco, Calif.

 SANFORD, ALFRED L. (A'57), Research Engr., Temco Aircraft Corp., Antenna Lab., Garland, Tex.

 SANFORD, DUIGLAS C. (A'52-M'57), Dev. Engr., Minneapolis-Honeywell Regulator Co., Hopkins, Minn.

 SANFORD, DMIL E. (A'54), Mgr., Advanced Dev., Allen B. DuMont Labs., Inc., Clifton, N.J.

 SANFORD, JOHN R. (M'51), Project Engr., GE Co., Tompkins Courty Airport, Ithaca, N.Y.

 SANFORD, RICHARD S. (A'56), Asst. Prof., Elec. Engr., Clarkson College, Potsdam, N.Y.

 SANFORD, RICHARD S. (A'46-M'56), V.P. & Dir., Engr., Aircraft Amaments, Inc., Box 126, Cockeysville, Md.

- SANFORD, ROBERT C. (M'57-SM'58), Head, Digital Data Systems Dev., Astronics Div., Lear, Inc., Airport Rd., Santa Monica, Calif.
 SANFORD, ROBERT F. (S'53-A'54), RCA, Princeton, N. J. SANFORD, VALENTINE M. (S'47-A'52-M'57), ECM & IFF System Engr., Avionics Dept., Grumman Aircraft Corp., Bethpage, L. I., N. Y.
 SANG, WILLIAM W. (A'55-M'56), Project Engr. Crosley Div., Avco Mfg. Co., 1329 Arlington, Cincinnati 25, Ohio. SANGER, DAVID M. (A'52-M'57), Mgr., Prod. Planning, Chatham Electronics Div., Tung-Sol Electric, Inc., Livingston, N. J.
- SANGER, RICHARD B. (A'50), Elec. Engr., GE Co., Lynch-burg., Va
- burg, Va.

 SAN GIOVANNI, CARLO, JR. (M'56), Engr., Sperry
 Gyroscope Co., Carle Place, L.I., N.Y.

 SANGSTER, ROBERT (M'54), Production Officer, Radar &
 Sonar Dept. of Defence Production, Govt. of Canada, 70
 Lyon St., Ottawa, Ont., Canada.
- Lyon St., Ottawa, Unt., Canada.
 SANIAL, ARTHUR J. (SM-46), Consulting Engr., Acoustic
 Transducers, 168-14 32 Ave., Flushing 58, L.I., N.Y.
 SANKEY, CHARLES (A'54), Computer Engr., ADTEC, Ltd.,
 5950 Cote des Neiges, Montreal, P. Q., Canada.
 SANNEMAN, RICHARD A. (S'57-A'58), 46 Kirkwood Ave.,
 Binghamton, N.Y.
- Binghamton, N.Y.
 SANNEMAN, RICHARO W. (M'56), Sr. Engr., Motorola, Inc., Phoenix, Ariz.
 SANNER, GEORGE E. (S'50-A'51-M'54), Sr. Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md.

- SANSALONE, FRANK J. (M'55), Tech. Staff Assoc.,
 Bell Tel. Labs., Murray Hill, N.J.
 SANSEVERO, VINCENT J. (454), Area Engr., AT&T
 Co., 400 Hamilton Ave., White Plains, N.Y.
 SANSOM, FREDERICK J. (M'58), Mathematician, Aeronautical Research Lab., Wright Air Development Center, Wright
 Patterson AFB, Ohio.
- SAN SOUCIE, WILLIAM R. (S'56-M'59), Systems Engr., GE Co. Syracuse, N.Y. SANSUM, VICTOR H. (S'57-A'59), Sr. Electronics Tech-nician, Ampex Corp., Redwood City, Calif.
- SANT, MORESHWAR D. (M'57), Tech. Asst., Grade 1, Wireless Planning & Coordination, Brassey Ave., New Delhi,
- India.

 SANTA, MARTIN M. (S'45-A'48-M'55), Elec. Engr.,
 MIT, Lincoln Lab., Lexington 73, Mass.

 SANTA ANA, LAURO T. (A'54), Relay & Electronics Technician, El Paso Electric Co., 215 N. Stanton, El Paso,
 Tex.
- SANTAGUIDA, CHARLES (A'50), 200 Ardmore Ave., Upper
- Darby, Pa.
 SANTALUCIA, ANTHONY J. (S'57-M'59), Engr., Haller,
 Raymond & Brown, Inc., Circleville Rd., State College, Pa.
 SANTAMARIA, SALVATORE (A'53-M'59), Engr., Physicist,
 Philoc Corp., G& Div., WDL, 3875 Fabian Way, Palo
 Alto, Calif.

- Alto, Calif.

 SANTANGELO, JOSEPH (A'45-M'51-SM'57), Elec. Engr., 194 Barbara Rd., Waltham 54, Mass.

 SANT ANGELO, MICHAEL A. (M'56), Sr. Engr., Sperry Gyroscope Corp., Great Neck, L.I., N.Y.

 SANTARELLI, MARIO J. (S'56-M'59), Jr. Engr., Avco Research Corp., Wilmingston, Mass.

 SANTE, DANIEL P. (SM'59), Engr.-In-Chg., Sylvania Electronic Systems, 1100 Wehrle Dr., Buffalo 21, N.Y.

 SANTEE, BURTON O. (M'58), Engrg. Writer, Southwestern Industrial Electronics Co., Box 13058, Houston 19, Tex.

 SANTELMANN, WILLIAM F., JR. (S'48-A'53-M'56), Independent Consultant, 30 Fairlawn Lane, Lexington 73, Mass.

- Mass.
 SANTESMASES, MIGUEL J. (A'56), Nuclear Engr., Elec.
 Power Sect., Instituto Nacional de Industria, Plaza Salamanca B, Madrid, Spain.
 SANTILLI, RICHARD A. (S'50-A'54-M'57), Applications
 Engr., RCA, Rte. 202, Somerville, N.J.
 SANTINO, LOUIS (A'46), Owner, Mgr., L S Radio TV,
 Sales & Service Co., 461-3 South Rd., Poughkeepsle,
 N.Y.
- SANTOS, JOAO C. P. (A'57), Cmdr., Brazilian Navy, Min-Isterio Damarinha, Brazil.

- SANTOS, JOAO C. P. (A'57), Cmdr., BrazIlian Navy, MinIsterio Damarinha, Brazil.

 SANTOS, JOSEPH S. (S'54-M'57), Electronics Engr.,
 Instrumentation, U. S. Naval Air Rocket Test Sta., Lake
 Denmark, Dover, N.J.

 SANTOS, PAUL J. (M'45), Pres., P. J. Santos, Ingeneiros,
 Apartado 3341, Caracas, Venezuela.

 SANTUCCI, ANTHONY H. (S'56-M'57), Engr., Royal
 McBec Corp., 1031 New Britatin Ave., West Hartford, Conn.
 SAN VICENTE, RAMON (M'58), 3159 S. Sepulveda Blvd.,
 Los Angeles 34, Calif.

 SAPEGA, AUGUST E. (M'58), Assoc. Prof., Engr.,
 Trinity College, Hartford, Conn.

 SAPELLI, WALTER J. (A'58), Assoc. Prof., Engr., Casa
 Sapelli, 18 de Julio 1268, Montevideo, Uruguay.

 SAPER, JULIAN (M'57), Sr. Electronics Engr., Chicago
 Aerial Industries, 1980 N. Hawthorn, Melrose Park, Ill.
 SAPHN, HAROLD N. (M'56), Chief Test Engr., Electrotone
 Associates, 1133 Broadway, New York 10, N. Y.
 SAPINOSA, ROBERT J. (S'58-M'59), Asst. Dev. Engr.,

- SAPINOSA, ROBERT J. (S'58-M'59), Asst. Dev. Engr., Ballistic Missile Div., Burroughs Corp., Burroughs Research Center, Paoli, Pa.
- Center, Paoli, Pa.

 SAPIRO, ARNOLD M. (M'56), Principal Engr., Bulova Research & Development Corp., 62-10 Woodside Ave., Woodside, L.I., N.Y.

 SAPOFF, MEYER (S'50-A'51-M'5B), Dir., Research & Dev., Victory Engr., Corp., Springfield Rd., Union, N.J.

 SAPORTA, LESTER J. (S'50-A'52-SM'57), Sr. Research Scientist, New York Univ., University Hgts., New York 53, N.Y.
- SAPP, DAVIO H. (M'56), Electronics Engr., RCA, Camden,

- N.J. (A'56-M'57), Engr., Vitro Corp. of America, Eqlin AF B, Fila.

 SAPP, ELI F., JR. (A'56-M'57), Engr., Vitro Corp. of America, Eqlin AF B, Fila.

 SAPPE, NICHOLAS G. (S'56-A'57), Tester, Maryland Electronic Mfg. Co., 5009 Calvert Rd., College Park, Md. SAPPINGTON, HAL M. (S'57-M'57), Research & Dev. Engr., Collins Radio Co., Cedar Rapids, Jowas. SAPRASA, AMSIS G. (S'52-M'56), Sr. Electronics Engr., Research, Inc., 115 N. Buchanan, Hopkins, Minn. SARACHIK, PHILIP E. (S'53-M'59), Staff Engr., IBM, Yorktown Heights, N.Y.

- SARAGA, WOLJA (SM'50), Research Scientist, Sect. Leader, Research Lab., Siemens Edison Swan, Ltd., Grotes Pi., Blackheath, London S.E. 3, England; Part-

- Grotes Pi., Blackheath, London S.E. 3, England; PartTime Lecturer, Elec. Network Theory, Regent St., Polytechnic, London, England.

 SARAHAN, BERNARO L. (4/53-M/58), Mgr., Planning
 Dev., IBM, 112 E. Post Rd., White Plains, N.Y.

 SARAN, GURDIP S. (M/58), Research Engr., Boeing Airplane
 Co., Seattle, Wash.

 SARASOHN, HOMER M. (A/41-M/48), Dir., Engrg. Planning,
 IBM, 590 Madison Ave., New York 22, N. Y.

 SARAYDAR, RICHARD A. (M/57), Project Engr., Electronic
 Communication, Inc., 1501 72 St., N., St. Petersburg, Fla.

 SARBACHER, GEORGE W., JR. (A/51), Pres & Mem.,
 Bd. of Dirs., Natl. Scientific Labs., Inc., 2010 Massachusetts Ave., N.W., Washington 6, D.C.

 SARBACHER, ROBERTI. (M/41-SM/43), Consulting

- achusetts Ave., N.W., Washington 6, D.C.

 SARBACHER, ROBERTI. (M'41-SM'43), Consulting Scientist, Robert I. Sarbacher & Associates, 1827 24 St., Washington 8, D.C.

 SARCO, JOE (A'57), Chief Engr., Spiedel-Fisher Broadcasting Corp., Barringer Bidg., Columbia, S.C.

 SARD, EUGENE W. (A'49-M'55), Consultant, Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.

 SARDESAI, SHRINIVAS N. (M'57), Tech. Asst., Hindustan Steel Private, Ltd., Bhilai Steel Plant, Telecommunication Div., Bhilai, M. P., India.

 SARDO, ROBERT L. (A'58), Sr. Electronics Research Techniclan, Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

- Hills, Calif.
 SARDO, WILLIAM (M'57), Project Engr., Bendix Avlation
 Corp., Rte. 35, Eatontown, N.J.
 SARET, JAMES (S'55-M'56), Receiving Tube Applications
 Engr., Raytheon Mfg. Co., Newton, Mass.
 SARFATY, JACOB (A'54), 3693 Howard Lane, Wantaugh,
 L.I.N.Y.

- L.I., N.Y.

 SARGE, ALTON E. (A¹52), Tech. Advisor, Army Ordnance Corps, Ft. Biliss, Tex.

 SARGEANT, CHARLES E. (A¹27-VA¹39), V.P., RMC Associates, 391 Grand Ave., Englewood, N.J.

 SARGEANT, HOMER I. (SM ¹57), Project Eng., Interstate Electronics Corp., 707 E. Vermont St., Anahelm, Callf. SARGENT, ARTHUR F. (S¹57-M¹59), Sr. Engr., AT & T. Co., 400 Hamilton Ave., White Plains, N.Y.

 SARGENT, CHARLES R. (M¹52), Supvr., Fleld Service, Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 3, Md.

 SARGENT, CLARENCE J. (M¹56), II.S. Govt. Home. 3815

- Baltimore 3, Md. SARGENT, CLARENCE J. (M'56), U.S. Govt. Home: 3815 S. 6 St., Arlington, Va. SARGENT, HARLAN P., JR. (A'49), Admin. Asst., Gabriel Electronics Div., Gabriel Co., 135 Crescent Rd., Needham 94, Mass.
- 94, Mass.

 SARGENT, RALPH E. (A'44), Engr., Aladdin Radio & Television, Inc., 131 Speer, Denver, Colo.

 SARGENT, ROBERT S. (SM*58), Deputy Dir., Air Defense Missiles Div., Office of Gulded Missiles, Office of Secretary of Defense, Washington, D.C.

 SARIKAS, ROBERT H. (M*53), Engr., Illinois Power Co., 500 S. 27 St., Decatur, III.

 SARKES, YAZBECK T. (S*48-A*50-M*58), Asst. Prof., Elec. Engro., Univ. of Buffalo, Buffalo, N.Y.

 SARKISIAN, JOHN (S*52-A*54), Engr., Remearch Div., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- SARKISSIAN, HRANT H. (A'49-M'55), Mgr., Data Systems Dept., Norden Div., United Aircraft Corp., 13210 Cren-shaw Blvd., Gardena, Calif.

- SARLOS, F. WILLIAMS, JR. (S153-M155), Engr., Lineoln Lab., MIT, Lexington 73, Mass.

 SARLOS, F. WILLIAMS, JR. (S153-M155), Engr., Lineoln Lab., MIT, Lexington 73, Mass.

 SARLO, LORENZ M. (M156), Physicist, U.S. Army Signal Engrg., Labs., Evans Signal Lab., Belmar, N.J.

 SARNAW, WALTER J. (S'50-A'52-M'59), Elec. Engr., City of San Diego, Pacific & Ash St., San Diego, Calif. SARNOFF, DAVID (A12-M'14-F177/LI), Chmp. of Bd., RCA, 30 Rockefeller Plaza, New York 20, N.Y.

 SARON, ROBERT B. (M159), TV Broadcast Engr., NBC-TV, 30 Rockefeller Plaza, New York 20, N.Y.

 SARQUIS, ROBERT H. (S'53-A'54-M159), Project Leader, Sylvania Elec. Prodx., Inc., Box 997, Mountain View, Calif.
- Calif.

 SARRAFIAN, GEORGE P. (A'55-M'58), Section Head, Data Systems & Earth Science Research, Texas instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 SARRATT, EVERETT R. (M'53), Chief Engr., Instrument Prods., Tracerlab., Inc., 1601 Trapelo Rd., Waltham, Mass.
- SARRIS, RAMON A. (S'55-A'57), Assoc. Engr., Martin Co., Baltimore 3, Md. SARTAIN, ARNOLD (M'56), Microwave Engr., Alabama Educational Television Commission, 807 Protective Life
- Bldg., Birmingham, Ala
- Bidg., Birmingham, Ala.

 SARTER, LESTER B. (S'55-M'58), Elec. Engr., American Bosch Arma Corp., Garden City, L.I., N,Y.

 SARTOR, JOSEPH O., JR. (S'44-A'47-M'55), Mfg. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex. SARTORIO, DAVID R. (S'51-A'53-M'58), Sr. Engr., Electronics Dept., Martin Co., Baltimore 3, Md.

 SARTURE, CHARLES W. (S'53-M'58), Mem. Tech. Staff, Space Technology Labs., Los Angeles 45, Calif.

 SARULLO, MICHAEL J. (A'53-M'58), Design & Dev. Engr., RCA, Harrison, N.J.

 SARWATE, VISHWANATH V. (A'47-M'53), Prof., Elec. Communication Engr., Govt. Engr., College, Jabalpur 4, M.P., India.

 SASLOVSKY, SIDNEY (A'54), Engr.. The Norden-Ketay

- M.F., India. SASLOVSKY, SIDNEY (A'54), Engr., The Norden-Ketay Corp., 121 Westmoreland Ave., White Plains, N.Y. SASLOW, SEYMOUR (M'52), V.P., Saratoga Industries, Saratoga Springs, N.Y.
- SASS, DONALD J. (S'54-M'58), Sr. Engr., Martin Co.,
- Baltimore 3, Md.

 SASS, LAWRENCE J. (S'50-A'51-M'56), Supvr., Test
 Equipment Dept., Stromberg-Carlson Co., 1400 N. Goodman
 St., Rochester 9, N.Y.
- St., Rochester 9, N.Y.

 ASSA, KOICHI (A'56), Engr., Television Research Sect.,
 Japan Broadcasting Corp., Tech. Research Lab., 361
 Kinuta-Machi, Setagaya-Ku, Tokyo, Japan.

 SASSAMAN, PAUL H. (SM'52), Mgr., Materials Engrg.,
 Sylvania Elec. Prods., Inc., Emporium, Pa.
 SASSE, JOHN (S'153-M'56), Electronics Engr., Naval Research Lab., White Oak, Md.
 SASSEE, JOHN H. (M'53-SM'58), Sr. Geophysicist,
 Humble Oil & Refining Co., Box 2180, Houston, Tex.

- SASSER, THURMAN (A'51-M'58), Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio. SASSMAN, RICHARD W. (A'54-M'57), Electronics Engr., USAF, San Bernardino GEEIA Region, Mira Loma Air Force Sta., Calif.
- Sta., Calif.

 SATHAR, SYED A. (A'46-SM'52), Genl. Mgr., Telephones, Post & Telegraph Dept., Karachi, Pakistan.

 SATHER, ORVILLE J. (S'34-A'38-M'46-SM'50), Mgr., Tech. Operations, CBS-TV, 485 Madison Ave., New York 22, N.Y.
- SATHER, ROY O. (A'42-SM'52), Assoc. Prof., Wayne State Univ., Detroit, Mich. SATINOFF, DAVID (A'54), Component Parts Engr., Rome Air Development Center, Rome, N.Y.
- SATINSKY, SAMUEL (S'53-M'58), Electronic Systems Engr., Lockheed Aircraft Corp., Hollywood Way, Burbank, Calif.
- SATO, BEN T. (M¹58), 2404 Riverside Place, Los Angeles 39, Calif.

- 39, 'Calif.

 SATRE, WALTER I. (M'57), Elec. Engr., (Antenna), Airborne Instrument Lab., Mineola, L. I., N. Y.

 SATTEM, IVAN (A/53-M'57), Dir., Operations, ITT Communication Systems, Inc., Garden State Plaza, Paramus, N. J.

 SATTERFIELD, JAMES M. (M'56), Research Engr., Natl. Aeronautics & Space Administration, Langley Research Center, Langley Field, Va.
- ter, Langley Field, Va.

 SATTERFIELD, RICHARD, JR. (S'57-A'59), 109 Lorraine Ave., Nashville, Tenn.

 SATTERTHWAITE, CARL M., JR. (S'55-M'59), Fellowship Coordinator, Hughes Aircraft Co., Culver City, Callf.

 SATTERTHWAITE, WILLIAM F. (A'39-M'55), Owner, W. F. Satterthwaite Mins' Rep., Box 664, Havertown, Pa.

 SATTERWHITE, GRADY D. (S'57-M'5B), Dev. Engr., Western Electric Co., Winston-Salem, N. C.

 SATTINGER, IRVIN J. (SM'53), Research Engr., Univ. of Michigan, Willow Run Labs., Box 2008, Ann Arbor, Mich.

 SATTLER, EDWARD W., JR. (A'4B), Assoc. Engr., RCA, Somerville, N. J.

- Somerville, N.J.
 SATTRO, RICHARD L., SR. (SM'55), Supvr., Quality
 Control Engr., Convair-Astronautics, San Diego 12, Calif.
 SATULLO, ANTHONY R. (S'40-A'41-M'55), Pres.,
 Satullo Co., 4512 N. Woodward Ave., Royal Oak, Mich.
 SATURENSKY, GEORGE (A'50-SM'57), Project Engr.,
 Packard-Bell Electronics, 2341 Michigan Ave., Santa
 Monica, Calif.
- NOTION NOTICE TO STATE OF THE S
- Electronics Div., Little Neck 62, L. I., N. Y.
 SAUBER, JAMES W. (M'51-SM'58), Engr-In-Chg., Industrial Instrument Dev., Sanborn Co., 175 Wymen St.,
 Waltham 54, Mass.
 SAUBER, PAUL T. (A'4B-M'5B), Engr., Vibration Dept.,
 Boeing Airplane Co., Seattle, Wash.
 SAUCEDD, ROBERT (M'57), Assoc. Engr., Westinghouse
 Elec. Corp., Bettis Site, Pittsburgh, Pa.
 SAUCEMAN, JAMES A. (A'54-M'5B), Field Engr., Westinghouse Elec. Corp., Friendship Internatl, Airport, Baltimore, Md.
 SAUCHUK, JOHN M. (S'51-A'54-M'56), Dev. Engr.,

- SAUCHUK, JOHN M. (S'51-A'54-M'56), Dev. Engr., Northern Electric, 1261 Shearer St., Montreal, P.Q., Canada.
- SAUCK, GERHARDT L. (M'59), Component Engr., Min-neapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.
- neapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis J., Minn.

 AUDINAITIS, EMANUEL (A'53), TV Design Engr., Zenith Radio Corp., 6001 W. Dickens St., Chicago 39, Ill.

 SAUER, EGRALD R. (M'56), Chief Engr., RCA Service Co., Box 129, Brunswick, Me.

 SAUER, HAROLD S. (M'59), Engr., Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.

 SAUER, HENRY E. (S'49-A'50), Field Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 SAUER, RICHARD J. (A'48-M'54), Pres., Custom Electronics, Inc., 1918 S. Brown St., Dayton 9, Ohio.

 SAUER, BERRY E. (S'49-A'50), Froject Engr., Allen Bradley Co., W. Greenfield, Milwaukee, Wis.

 SAUERLAND, FRANZ L. (M'56), Project Engr., Allen Bradley Co., W. Greenfield, Milwaukee, Wis.

 SAUERTEIG, FRED H. (S'56-M'58), Engr., Indianapolis, Ind.

 SAUL, EDGAR R. (A'51-M'56), Supvo, Engr., New York Telephone Co., 140 West St., New York 7, N. Y.

 SAUL, RICHARD S. (S'55-M'58), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif.

 SAUNDERS, ALBERT C. W. (M'47), Dir. of Education, Saunders Radio & Electronic School, 285 Huntington Ave., Boston 15, Mass.

- Obston 10, Mass.
 SAUNDERS, CHARLES F. (A'55), Staff Engr., Librascope, Inc., BOB Western, Glendale, Calif.
 SAUNDERS, CHARLES H., JR. (S'50-A'53-M'5B), Sr. Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
- SAUNDERS, CLARENCE L. (A'47-M'55), Sect. Head, Sylvania Elec. Prods., Inc., Box 997, Mountain View, Calif.
- Carr.
 SAUNDERS, EARL N. (A'57), Medical Dir., The Florida
 School for Boys, Marianna, Fla.
 SAUNDERS, EDWARD R., JR. (S'48-A'50-M'55), Dir.,
 Nuclear Weapons Test Operations, Federal Civil Defense
 Administration, Battle Creek, Mich.
- SAUNDERS, GRADY H. (\$'41-A'43-SM'54), Chief Engr., Radio Frequency Dev. Sect., Guidance & Control Lab., Army Ballistic Missile Agency, Redstone Arsenal, Ala.
- SAUNDERS, HARRY M. (A'34-VA'39-M'55), Dir., Facsimile & Private Wire Services, Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- SAUNDERS, HARRY O, J.R. (A 50-M'55), Supvg. Engr., Transmission Training, Illinois Bell Tel. Co., 309 W. Washington St., Chicago 6, Ill. SAUNDERS, JOHNSTOME (M'5B), Engr., Philco Corp., Tioga & C Sts., Philadelphia 34, Pa
- SAUNDERS, LAURENT E. (S'53-A'53), Engr., B. Co. of Canada, 393 University Ave., Toronto, On Canada.
- SAUNDERS, MICHAEL G. (M'58), Winnipeg Genl. Hospital, E.E.G. Dept., Winnipeg, Man., Canada.

- SAUNDERS, NORMAN B. (SM'55), Consultant, Circuit Engrg., 375 Moody St., Waltham 54, Mass. SAUNDERS, RICHARD G. (S'56-M'58), 2nd Lt., U.S. Army, Asst. S-3, 50th Sign. Bn., (ABN Corps), Ft. Bragg, N.C.
- N. C. SAUNDERS, ROMAINE, JR. (SM'55), Engr., RCA, 3301 S. Adams St., Marion, Ind. SAUNDERS, SAMUEL R. (S'4B-A'51-M'56), Asst. Project Engr., Douglas Aircraft Corp., B27 Lapham St., El Segundo, Calif.
- Segundo, Calif.

 SAUNDERS, WILLIAM F. (A'56), Sect. Head, Sylvania
 Elec. Prods., Inc., 189 B'St., Needham 94, Mass.

 SAUNDERS, WILLIAM K. (A'55), Mathematician, Diamond
 Ordinance Fuze Lab., Washington 25, D.C.

 SAUNTER, HARRY D. (A'56), Asst. Engr., Cable & Wireless, Ltd., Mercury House, London, W.C. 1, England.

 SAUR, RICHARD D. (A'49-M'55), Supvy. Endr., Hazeltine
 Electronics Corp., Little Neck 62, L.I., N.Y.
- SAURAS, PASCUAL P. (M'58), 2,30 Conducto, Cartagena, Murcia, Spain.
- Murcia, Spain,
 SAUSENG, OTTO (S'53-A'54), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.
 SAUTNER, JOSEPH (A'53-M'58), Engr., ITT Labs.,
 Nutley 10, N.J.
 SAUTTER, PAUL. J. (A'57), Radio Technician, Mobile Radio,
 Inc., 6.76 W. Whittler Blvd., Whittler, Calif.
 SAUVANET, MAURICE M. (SM'57), Chief Engr., Laboratoire Hazelline-AGA, 145 rue Rateau, La Courneuve, Seine,
 France.

- inc., 678 w. Whittler Bivd., Whittler, Jaint.
 SAUVANET, MAURICE M. (SM'57), Chief Engr., Laboratoire Hazeltine-AGA, 145 rue Rateau, La Courneuve, Seine, France.

 SAVADEL, RICHARD J. (S'55-M'59), Engr., Sperry Gyroscope, Great Neck, L.I., N.Y.

 SAVADELIS, IGNATIUS C. (S'41-A'44-M'55), Mem.
 Tech. Staff, Bell Tel. Labs., Marion & Vine Sts.,
 Laureldale, Pa.

 SAVAGE, JOHN W. (M'56), Project Engr., Jansky & Bailey, Inc., 1339 Wisconsin Ave., N.W., Washington 7, D.C.

 SAVAGE, JOSEPH E. (S'55-M'56), Electronics Engr., National Co., Inc., 34 Essex St., Melrose 76, Mass.

 SAVAGE, JOSEPH E. (S'55-M'56), Electronics Engr., National Co., Inc., 34 Essex St., Melrose 76, Mass.

 SAVAGE, KERRY D. (A'54), Elec. Engr., Texas Co., Box 425, Bellaire, Tex.

 SAVAGE, LEROY E. (M'48), DIr., Supply Sales, Automatic Electric Sales Corp., Northiake, Ill.

 SAVAGE, MELVIN C. (A'56), Communications Equipment Technician, Radio Supply & Service, Mcintyre St., Regina, Sask., Canada.

 SAVAGE, ROBERT P. (M'58), Sr. Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 SAVAGE, W. BRYAN (M'50), Mng. Dir., Savage Transformers, Ltd., Nursteed Rd., Devizes, Wilts., England.

 SAVALLI, FRANK P. (A'46), Test Methods Engr., Sperry Microwave Electronics Co., Re. 584, Oldsmar, Fla.

 SAVANT, CHARLES A. (A'32-M'57), Geni. Supvr., Control Systems, Northrop Alrcraft, Hawthorne, Calif.

 SAVANT, CLEMENT J., JR. (S'52-A'53-A'15-A'), Chief, Airhome Electronic Systems Group, Norair Div., Northrop Corp., Hawthome, Calif.

 SAVARD, JAMES F. (S'57-M'58), App. Engr. Canadian Westinghouse Co., Trols Rivieres, P.Q., Canada.

 SAVARD, JAMES F. (S'57-M'58), App. Engr. Canadian Westinghouse Co., Trols Rivieres, P.Q., Canada.

 SAVARIN, ALEX (M'57), Engr., Sylvania Elec. Prods., Inc., 5000 Evelyn Ave., Mountain View, Calif.

 SAVARN, ODNALD L., JR. (M'57), Chief., Fich. Div., USCG Supply Center, Brooklyn 32, N.Y.

 SAVCHUK, VICTOR, JR., (SM'57), Head, Underwater Acoustics, Research & Advanced Dev. Dept., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 SAVEL, JO

- Army, 39th Arty., 1st Msl. Bn., APO 185, New York, N. Y.

 SAVELL, ROBERT E. (S'55-M'58), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 SAVET, PAUL H. (A'54), Tech. Head, Tech. Staff, Missile Guidance, Arma Div., American Bosch-Arma Corp., Garden City, L.I., N.Y.

 SAVI, LEMBIT E. (S'54-M'58), Assoc. Engr., Westinghouse Elec. Corp., Cheektowaga, N.Y.

 SAVILE, HEDLEY G. (M'57), Design Engr., Flight Test, Instrumentation & Data Processing, The De Havilland Aircraft of Canada, Ltd., Downsview, Toronto, Ont., Canada.

 SAVINO, LOUIS J. (A'56), Capt., USAF, Communications-Electronics Staff Officer, Hgrs. Air Training Command, Randolph AFB, Tex.

 SAVINO, REMO T. (A'56), Dev. Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 SAVISAR, ATSO (S'55-M'56), Engr., Internati. Electric Corp., Paramus, N. J.

 SAVO, THEODORE A. (S'54-M'56), Hughes Aircraft Co., Culver City, Calif.

- SAVO, THEODORE A. (S'54-M'56), Hughes Aircraft Co., Culver City, Calif.

 SAVOCA, ROBERT C. (A'58), Electronics Technician, Sperry-Semiconductor, Wilson Ave., South Norwalk, Conn.

 SAVOIE, LL OYD P. (S'53-A'55), Elec. Engr., Western Electric Co., 204 N. Graham-Hopedale Rd., Burlington, N.C. SAVORY, WILLIAM A. (A'43-M'47), Sr. Engr., Capitol Records, Inc., 1750 N. Vine St., Hollywood, Calif. SAVOY, ROBERT P. (M'58), JO2 Meehan, Dayton 31, Ohlo. SAWADA, FRED H. (SM'58), Supwr., Electronic Sect., Sr. Electronics Project Engr., Hotpoint Co., 6 201 W. Roosevelt Rd., Berwyn, Ill.

 SAWADA, RYOKA (SM'57), Sect. Chief., Vacuum Tube Re-
- SAWADA, RYOKA (SM'57), Sect. Chief, Vacuum Tube Research, Hitachi, Ltd., Marunouchi, Chiyodaku, Tokyo, Japan.
- SAWAJI, YOSHIO (A'55), Sect. Chief, Transistor Div., Tokyo-Shibaura Electric Co., 72 Horikawacho, Kawasakishi, Japan.
- shi, Japan.
 SAWAMURA, EJICHI (A'57), Vice-Chief, Radio Frequency Research Sect., NHK (Broadcasting Corp. of Japan), Tech. Research Lab., 361 Kinuta-Machi, Setagaya-Ku, Tokyo, Japan. SAWAZAKI, NORIKAZU (A'54), Deputy Mgr., Electronics Research Dept., Matsuda Research Lab., Tokyo Shibaura Electric Co., Ltd., 72 Horikawacho, Kawasaki, Kanaga-
- waken, Japan.
 SAWELSON, ABRAHAM I. (S'49-A'51-SM'56), Lab. Mgr.,
 Fairchild Camera & Instrument, 5 Aerial Way, Syosset, L.I.,
 N.Y.
- N.Y. SAWICKI, MICHAEL J. (A'57), Naval Aviator, USN, Utility Sqdn. 3, N.A.A.S. Brown Field, Chula Vista, Calif.

- 363 -SAW-SCH

- SAWITZ, PETER H. (M¹51), Staff Physicist, Radiation, Inc., 8605 Cameron St., Silver Spring, Md. SAWITZKI, NICHOLAS (S'49-A'51-M'56), Fleld Service Engr., Tech. Rep., Canadian Aviation Electronics, Ltd., Box 2030 Sta. "0", Montreal 9, P. Q., Canada. SAWKA, MICHAEL H. (M'56), Flec. Engr., Mankoba Telephone System, 166 Portage Ave., E., Winnipeg, Man., Canada.
- Carlada A. ROBERT J. (S'48-A'53), College Science Asst., City College, 139 St. & Convent Ave., New York 31, N.Y. SAWOROTNOW, IVAN (S'55-M'57), Engr., Automatic Controls, Norair Div., Northrop Corp., Hawthorne, Callf.
- tools, Norair Div., Northrop Corp., Hawthorne, Calli.
 SAWVELLE, EUGENE V. (A'56-M'5B), Communications
 Engr., Midwest Communications Co., Chicago-Great Western
 Rallroad, Oelwein, Iowa.
 SAWYER, BALDWIN (4'52), Treas., Sawyer Research Prods.,
 Inc., 35400 Lakeland Blvd., Eastlake, Ohio.
- Inc., 35400 Lakeland Blvd., Eastlake, Ohio. SAWYER, CARLETON E. (A'55), Engr., Raytheon Mfg. Co.,
- SAWYER, DAVID E. (M'55), Staff Mem., Lincoln Lab., MIT,
- Lexington 73, Mass.
 SAWYER, DONALD S. (A'50), Transmitter Supvr., WHDH,

- Boston, Mass.

 SAWYER, FRED L. (A'55-M'58), Sr. Tech. Editor, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 SAWYER, GORDON E. (A'27-VA'39), Dir., Recording, Samuel Goldwyn Productions, 1041 N. Formosa Ave., Los Angeles 46, Calif.

 SAWYER, HERBERT S. (S'50-A'51-M'57), Engr., Airhome Instrument Lab., Mineola, L.I., N.Y.

 SAWYER, HOUGHTON F. (S'44-A'49-M'55), Staff Dev. Engr., Electronics, Guided Missile Div., Firestone Tire & Rubber Co., 2525 Firestone Blvd., Los Angeles 54, Calif. SAWYER, JAMES L. (A'51), Transmitter Engr., TV Sta.

 WTVJ, Inc., Box 2440, Miami 31, Figure 1, TV Sta.
- w1vJ, inc., Box 2440, Miami 31, F1a.
 SAWYER, PAUL B, M'156), Electronics Engr., Sylvania Elec.
 Prods., Inc., Applied Research Lab., Waltham 54, Mass.
 SAWYER, RALPH S. (4753-M'158), Supwr., Electronics Engr.,
 Naval Proving Ground, Dahlgren, Va.
 SAWYER, WARREN C. (4/458-M'155), Treås., Associated
 OII & Gas Co., 1410 Bank of the Southwest Bldg., Houston,

- Tex.

 SAWYERS, EARL R. (A'5B), Lab. Technician, Electronic Communications, Inc., Maritime Base, St. Petersburg, Fla. SAWYERS, JAMES H. (S'56-M'57), Mem. Tech, Staff, Hughes Aircraft Co., Box 2097, Fullerton, Callf.

 SAXE, HARQLD A. (A'59), Dev. Engr., Western Electric Co. c/o Bell Tel. Labs., Whippamy, N. J.

 SAXE, RRA N. (M'59), Assoc. Engr., IBM, Kingston, N.Y.

 SAXE, ROBERT E. (S'47-A'48-M'55), Group Mgr., McDonnell Aircraft Corp., Box 516, St. Louis, Mo. SAXEN, A.P. (A'51-M'56), Asst. Radio Officer (Tech.), U.P. Police Radio Sect., Dilkusha, Lucknow, U.P., India. SAXEN, NORMAN K. (M'5B), Engra. Editor, Southwestern Industrial Electronics Co., 10201 Westheimer Rd., Houston 27, Tex.

- Tex.
 SAXON, MERL (M'44-SM'51), Consulting Radio Engr.,
 Merl Saxson, 622 Hoskins St., Lufkin, Tex.
 SAXON, WILLIAM R. (A'53-M'54), Office Mgr., Neely Enterprises, 641 E. Missouri Ave., Phoenix, Arlz.,
 SAXTON, AMOS W., JR. (A'55), 1st Lt., USAF, Cmdr.,
 2nd Aliways & Air Communications Service Sqdn., APO
 247, New York, N.Y.
 SAY, DONALD L. (M'56), Sr., Prod. Engr., Sylvania Elec.
 Prods., Inc., Brookville, Pa.
 SAYAMO KANIJE (M'58), Jr., Engr., RCA Missile &
- Prods., Inc., Brookville, Pa. SAYANO, KANJIF. (M'5B), Jr. Engr., RCA Missile & Surface Radar Dept., 11B19 W. Olympic Bivd., Los Angeles, Calif.
- Angeles, Calif.

 SAYER, GEORGE (A'54-M'59), Dev Engr , American
 Bosch Ama Corp., Garden City, L. I., N Y.

 SAYER, JOHN D. (S'49-A'52-M'56), Sr. Dynamics Engr.,
 McDonnell Aircraft Corp., Lambert-St. Louis Municipal
 Airport, St. Louis, Mo.
- AYER, THOMAS C. (S'48-A'50-M'55), Group Supvr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- SAYER, WILLIAM H. (A'41-SM'57), Group Leader-Klystrons, Eitel-McCullough, Inc., San Mateo Ave., San Bruno, Calif.
- Exter-McCullougn, Inc., San Mateo Ave., San Bruno, Callí.
 SAYLES, HARRY L. (5'48-A'52), Research Engr, Ordnance
 Missile Lab, Electronics Research, ORDXR-ODD, Redstone Arsenal, Ala.
 SAYLOR, RALPH R. (M'53), Sr. Flight Test Engr., McDonnell Altreath Corp., Holloman Air Development Center, AFMDC,
 N.M.
- SAYLOR, RICHARD A. (A'53), Elec. Engr., Lenkurt Electric Co., San Carlos, Calif.
- Co., San Carlos, Callf.

 SAYLOR, WILLIAM R. (A'42-SM'47), District Office Mgr.,
 Genl. Radio Co., 1000 N. Seward St., Los Angeles 38,
 Callf.
- SAYRE, EDGAR E. (M'58), Electronics Engr. & Owner, E.E. Sayre Marine Electronics & Electrical Systems, Boynton Yacht Basin, Boynton Beach, Fla.
- Yacht Basin, Boynton Beach, Fla.
 SAYRE, GEORGE L. (5'57-M'59), Flight Test Engr., Convair, Ft. Worth, Tex.
 SAYRE, MAXON B. (A'51-M'57), Chief Engr., KTUR, Turlock Broadcasting Corp., Box 1390, Turlock, Calif.
 SAZAKLIS, NICOLAOS G. (A'54), Maint. of Communication Systems, Organization of Telecommunications of Greece, 10 St. Nicolaou, Corinthos, Greece.
- SCAL, ROBERT K-F (S'41-A'45-M'47-SM'51), V.P. & Genf. Mgr., RS Electronics Corp., 435 Portage Ave., Palo Alto, Calif.
- SCALES, HARRY S. (A'5B), 3223 Ellis Way, Louisville
- SCALF, PAUL L. (S'5B-M'5B), 1121 Maryland Ave., Bristol, Tenn.
- Bristol, Tenn. SCALLY, PAUL J. (M'59), Instr., FAA, Aeronautical Center, Box 1062, Oklahoma City, Okla. SCALLY, PAUL J. (A'5B), Mgr., Contracts Administration, RCA, Camden 2, N.J.

- RCA, Camden 2, N.J.

 SCALZETTI, MATTHEW R. (S'55-M'57), Engr., Class "B, "RCA, Camden, N.J.

 SCAMMEL, BYRT C. (S'49-A'51-M'56), Chief Engr., Airep Engr., Corp., Box 9555, Dallas 14, Tex.

 SCANDORA, ANTHONY E. (A'56), V.P., Relay Sales, Inc., Box 186, West Chicago, Ill.

 SCANGA, JOHN A. (M'58), 303 Park Rd., Fairfax, Va.

 SCANGA, WILLIAM A. (A'52-M'57-5M'58), Microwave Sect. Head, Aircraft Armaments, Inc., Cockeysville, Md.

 SCANLAN, JOSEPH A. (A'50-5M'58), Research Physicist, Hughes Aircraft Co., Culver City, Calif.

- SCANLAN, RICHARD E. (M'54), Systems Engr., GE Co., Utica, N.Y.

- SCANNELL, EVERETT H., JR. (A'54), Electronic Scientist, USN Underwater Sound Lab., Ft. Trambull, New London,
- SCAPPLE, ROBERT Y, (SM'5B), 3B21 Floresta Way, Los Angeles 43, Calif. SCARBOROUGH, CARL S. (S'51-A'54), Dynamics Engr., Convair-Astronautics, San Diego, Calif.
- SCARBOROUGH, DONALD S. (A'50-M'5B), Sr. Engr., Quality Control, Sylvania Elec. Prods., Inc., Mountain View, Calif.
- View, Calif.

 SCARBOROUGH, FREDERICK S. (A'53), Field Engr.,
 Spraque Electric Co., Marshall St., North Adams, Mass.

 SCARBOROUGH, REUBEN C. (S'57-A'58), Assoc. Engr.,
 Convair-Astronautics, San Diego, Calif.

 SCARBRO, ROMBE L. (S'56-M'58), Assoc. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 SCARBROUGH, A. DALE (S'44-A'49-M'55), Sr. Mem. Tech.
 Staff, Ramo-Wooldridge Corp., 5500 W. El Segundo Bivd.,
 Los Angeles 45, Calif.

- SCARLETT, ALBERT E. (S'57-A'5B), Inspector, Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.
- Canada.

 SCARLETT, ROBERT M. (S'51-M'56), Research Assoc.,
 Electronics Research Lab., Stanford Univ., Stanford, Calif.

 SCARPELLI, NATALE F. (S'57-M'5B), M. Engr., Cook
 Research Labs., 6401 W. Oakton St., Morton Grove, Ill.

 SCARPELLO, MICHAEL J. (M'5B), Sr. Site Technician,
 Burrouphs Corp., 511 N. Broad St., Philadelphia, Pa.

 SCARPONE, JOHN B. (M'57), Engr., ITT Labs., Nutley
- 10, N.J.

 SCARR, HENRY F. (A'39-SM'45), Staff, Govt. Sales, Western Electric Co., 120 Broadway, New York 5, N.Y.
 SCATTERGOOD, ROBERT (A'54), Field Engr., RCA Service Co., Camden, N.J.
 SCATURO, CHARLES (S'52-A'54-M'5B), Project Engr., Applied Industries, Inc., Keyport, N.J.
 SCATURRO, MILTON R. (A'50), Electre Mech. Designer, Consultants & Designers, 450 Jericho Tpke., Mineola, L. I., N.Y.

- SCEARCE, FRANK T. (S'58-M'59), Engr., RCA, Camden,
- N. J.
 SCEBOLD, ROBERT D. (S'57-A'5B), Staff Asst., Sandla Corp., Sandla Base, Albuquerque, N.M. Corp., Sandla Base, Albuquerque, N.M.

 SCHAACK, ROBERT J. (A'55), 4661 N. 90 St.,

 Milwaukee 16, Wis.

 SCHAAF, FRED W. (S'52-A'54), Staff Engr., IBM,

 Endicott, N.Y.

 (S'55-A'56), Electronics Te

- Endicott, N.Y.
 SCHAAF, MILLARD W. (S'55-A'56), Electronics Technician, Martin Co., Denver, Colo.
 SCHAAF, RAYMOND H. (M'53-SM'5B), Supvr., Equipment Specialist, Natl. Security Agency, Washington, D.C.
 SCHAAF, SIEBE (A'56), Project Engr., IBM, Kingston,
- N.Y.
 SCHAAF, WALTER K. (A'54), Sales Engr., Clarkson & Foreman, Inc., 50 Church St., New York 7, N.Y.
 SCHAAL, WILLIAM C. (S'52-A'54), Project Engr., IBM, Poughkeepsie, N.Y.
 SCHABBEHAR, EOWIN A. (A'29-M'55), NBC, 30 Rockefeller Plaza, New York 20, N.Y.
 SCHACH, SAUL (A'53-M'5B), Engrg. Leader, RCA, Camden, N.J.
- Camden, N.J.

 SCHACHAT, THEODORE (S'42-A'44-M'50-SM'5B),
 Staff Mem., Genl. Precision Lab., Inc., Pleasantville,
 N.Y.
- SCHACHER, DANIEL L. (S'45-A'47-M'55), Chief Engr., Tel-Instrument Electronics Corp., 72B Garden St., Carlstadt,
- N.J.
 SCHACHTE, WILLIAM L. (A'43-M'49-SM'52), Chief
 Design Engr., U. S. Naval Shipyard, Charleston, S.C.
 SCHACHTER, HARRY (S'55-M'57), Lecturer, City College
 of N.Y., Convent Ave., New York, N.Y.
 SCHACHTER, IRIS K. (A'5B), Purchasing Agent, Pitometer
 Log Corp., 237 Lafayette St., New York 12, N.Y.
 SCHACHTER, JACOB (S'49-A'50-M'55), Radar Consultant,
 Pitometer Log Corp., 88-25 14B St., Jamaica 35, L.I.,

- SCHACHTMAN, MARSHALL G. (S'55-M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. SCHACK, RONALO H. (A'53-M'58), Project Supvr., Ford Instrument Co., Missile Dev. Div., 30-10 41 Ave., Long Island City 1, N.Y.
- ISTAIR C.IXY J., N.Y.
 SCHAO, CHARLES A. (M'59), Chief Engr., United Engrs.,
 Inc., Tulsa, Okia.
 SCHADE, FRANK W. (A'5B), Sr. Technician, Air Reduction,
 Inc., Murray Hill, N.J.
 SCHADE, OTTO H. (M'40-SM'43-F'51), Staff Engr.,
 RCA, Harrison, N.J.

- RCA, Harrison, N.J.
 SCHADE, OTTO H., JR. (S'52-A'54), Design & Dev.
 Engr., RCA, Harrison, N.J.
 SCHADELBAUER, BERNARD F. (S'55-M'5B), Asst.
 Standards Engr., Ford instrument Co., 31-10 Thomson
 Blvd., Long Island City, N.Y.
 SCHAEFER, ALFRED E. (S'51-A'53-M'56), Corporate
 Rep., Mktg., American Bosch Arma Corp., Garden City,
 L.I., N.Y.
- SCHAEFER, DONALD E. (S'58-A'58), Electronics Technician Heath Co., Hilltop Rd., St. Joseph, Mich. SCHAEFER, EDWARD J. (S'42-A'45-M'55), Research Engr., Univ. of Michigan Research Institute, Ann Arbor, Mich.
- MIGN.
 SCHAEFER, FRED J., JR. (M'56), Mem. Teoh. Staff,
 Bell Tel. Labs., Whippany, N.J.
 SCHAEFER, GEORGE H. (A'59), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 SCHAEFER, HAROLD W. (J'26-A'32), V. P., Appliance
 Dev. & Planning, Philco Corp., Tioga & C Sts., Philadelphila 34, Pa.
- SCHAEFER, DONALD E. (S'58-A'58), Electronics Technician, Heath Co., Hilltop Rd., St. Joseph, Mich.

- SCHAEFER, JAN V. (S'50-A'53-M'58), Physiclst, USN Electronics Lab., San Dlego 52, Calif.
 SCHAEFER, JIMMY (S'56-A'57), Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N.M.
 SCHAEFER, JOSEPH B. (A'37-SM'45), Pres., New York Transformer Co., Inc., 3rd Ave.; Alpha Olympic Metal Prods. Co., Inc., Box 71, Phillipsburg, N. J.
 SCHAEFER, KENNETH E. (S'55-M'58), System Design Engr., Chicago Aerial Industries, Inc., 1980 Hawthorne, Melrose Park, III.
 SCHAEFER, LAWRENCE E. (M'55). Tung-Sol Flectric.

- The Emerson Electric Mfg. Co., 59 & Industrial Ave., Washington Park, III.

 SCHAEFER, RICHARD W. (A'54-M'59), Research Engr., Greist Mfg. Co., 1661 Dixwell Ave., New Haven, Conn. SCHAEFER, WILLIAM C. (A'56), Engre. Aide, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena 3, Calif. SCHAEPERKOETTER, LOUIS C. (A'47), Microwave Field Engr., RCA, Camden 2, N.J. •

 SCHAERF, MENASCHE (A'45-M'55), Tech. Mgr., "AMPA, Ltd., 16 Petach-Tikva Rd., Tel-Aviv, Israel. SCHAETZL, FRANK R. (A'58), Asst. Sales Engr., GE Co., 570 Lexington Ave., New York 22, N.Y. SCHAETZL, ROBERT J. (S'56-A'57), Sales Engr. Asst., GE Co., 109 William St., Williston Park, L.I., N.Y. SCHAETZ, EDGAR D. W. (A'54-M'58), Instr., Radio & Electronics, Provincial Institute of Technology & Art, Calgary, Alta, Canada. SCHAFER, EDWARO L. (A'54), Engr., KPRC-TV, Houston

- SCHAFER, SEDWARD L. (A'54), Engr., KPRC-TV, Houston Post Co., Box 1234, Houston, Tex. SCHAFER, ELWOOD W. (S'32-A'33-SM'45), Mgr., New Prod. Dev., CBS-Electronics, 100 Endicott St.,

- New Prod. Dev., CBS-Electronics, 100 Endicott St., Danvers, Mass. SCHAFER, GEORGE E. (S'50-A'52-M'56), Sr. Research Engr., Crosley Div., Avco Mfg. Co., 1329 Arlington, Cincinnati 25, Dhio.
 SCHAFER, GEORGE E. (SM'57), Supvy. Physicist (Radio), U. S. Natl. Bureau of Standards, Boulder Labs., Boulder, Colo.
- Colo.

 SCHAFER, HERBERT G. (A'47-M'55), Design Specialist-Staff Engr., Martin Co., Box 179, Denver 1, Colo. SCHAFER, J. PETER (A'24-M'30-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Holmdel, N.J.

 SCHAFER, NORBERT B. (A'53), Mgr., Engrg. Services, U.S. Science Copp., 5221 W. 102 St., Los Angeles 45, Calif.
- SCHAFER, ROBERT H. (S'46-A'48-M'55), Chief Elec. Engr., Plymouth Div., Burroughs Corp., Plymouth Rd., Plymouth, Mich.
- Plymouth, Mich.
 SCHAFER, WOODFORD W. (A'50), Equipment Specialist,
 Guided Missiles, Army Dept., Ordnance Corps, 7741 S.
 Sangamon St., Chicago, Jil
 SCHAFERSMAN, ROY L. (A'54), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N.J.
 SCHAFFER, ALVIN, JR. (S'53-A'55), Elec. Engr.,
 Bendix Avlation Corp., 11600 Sherman Way, North

- Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 SCHAFFER, CHARLES A. (M'52), Oir., Medical Electronics, Albany Medical College, New Scotland Ave., Albany, N.Y.
 SCHAFFER, EUGENE (M'58), Genl. Mgr., 1485 Broadway Corp., 1485 Broadway, New York 36, N.Y.
 SCHAFFER, HARVEY H. (S'56-M'59), Engr., Philoo Corp., C & Tioga Sts., Philadelphia 34, Pa.
 SCHAFFER, JOHN E. (S'53-A'56), Lab. Techniclan, Allen-Bradley Co., 136 W. Greenfield Ave., Mitwauke, Wis.
- Wis.

 SCHARFER, LEONARD I. (A'49-M'54), Dept. Chief, Project Engrg., Western Electric Co., Greensboro, N.C. SCHARFERT, ROLAND M. (SM'59), Advisory Physicist, Non-Mechanical Printing, IBM, Endicott, N.Y. SCHAFFNER, GERALO (S'48-A'50-M'55), Research Engr., Motorola, Inc., Phoenix, Airz.

 SCHAFFNER, JOHANNES S. (S'48-A'51-SM'55), Mgr., Trans. Eval. & Appl., Delco Radio Div., GMC, 700 E. Firmin, Kökomo, Ind.

 SCHAGER, RICHARD J. (A'48-M'55), Toll Transmission Engr., Indiana Bell Tel. Co., 240 N. Meridian St., Indianapolis 9, Ind.

- Indianapolis 9, Ind.

 SCHAIBLE, ALTON V. (S'57-M'59), Design Engr., McDonnell Aircraft Corp., St. Louls, Mo.

 SCHAIRER, NEIL J. (A'47-M'55), Engr., Jansky & Balley, Inc., 1339 Wisconsin Ave. N. W., Washington 7, D.C.

 SCHAIRER, OTTO S. (M'43-SM'43-F'57), Consultant, RCA, 30 Rockfefler Plaza, New York 20, N.Y.

 SCHAJA, HENRY B. (M'5B), Electronics Engr., Instruments for Industry, 150 Glen Cove Rd., Mineola, L.I., N.Y.

 SCHALLK, NORBERT (S'54-M'56), Sr. Research Engr., Autonetics Olv., No. Amer. Aviation, Downey, Calif.

 SCHALLER, JOHN (A'43), Training Supvr., NBC, 30

 Rockefeller Plaza, New York 20, N.Y.

 SCHALLER FRER IAMES Work 20, N.Y.
- SCHALLER, JOHN (A'43), Training Supvr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 SCHALLERER, JAMES W. (M'58), Sales Mgr., Applied Logic Div., Genl., Ceramics, Crows Mill Rd., Keasbey, N. J. SCHANDL, EMIL (M'58), Sr. Research Engr., No. Amer. Avaition, Downey, Calif.

 SCHANER, FREDERICK A. (SM'56), Chief Engr., The Daven Co., Rte. 10, Llvingston, N.J.

 SCHANERABER, RICHARD C. (5'65-A'58), Radio Engr., KVW-TV, Westinghouse Broadcasting, B15 Superior Ave., Cleveland 14, Ohio.

 SCHANTZ, GEORGE W. (A'44-M'55), Owner, Schantz Electric Co., 63 W. Hillorest, Dayton 5; Elec. Engr., Standard Dayton Corp., 215 S. Marion St., Dayton, Ohio. SCHANTZ, J. STANLEY (A'34-VA'39), Asst. Chief Engr., WFIL-AM-FM, Triangle Publishers, Inc., Radio & TV Div., 4532 Market St., Philadelphia 39, Pa.

 SCHANTZ, JOSEPH D. (S'33-A-35'5-SM'44), Asst. to Mgr., Avionics Div., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 SCHANZ, WILLIAM H. (M'54), Supvr., Production Engrg., Westinghouse Elec. Corp., Metuchen, N.J.

 SCHAPER, EUGENE (S'55-M'5B), Assoc. Engr., Boeing Airplane Co., 7755 Marginal Way, Seattle 66, Wash.

 SCHAPIRO, HAROLD A. (S'51-A'55), Engr., Systems Development Corp., 2500 Colorado St., Santa Monica, Calif. SCHAPIRO, RAFAEL (A'56-M'5B), Publications Mgr., Coastal Publications Corp., Fullerton, Calif.

- SCHAPPALS, EVERETT A. (SM'58), Lt. Cmdr., USN, Office of Chief of Naval Operations, Navy Dept., Washington, D.C.
- D.C.
 SCHAPPERT, PETER J. (S'58-M'59), Assoc. Engr.,
 Convair, Ft. Worth, Tex.
 SCHARDING, ROBERT M. (S'49-A'50-M'55), Equipment
 Specialist, U.S. Army Signal Supply Agency, 615 W. Van
 Buren, Chicago 7, III.
- Buren, Chicago 7, III.

 SCHARER, MALCOM E. (M'58), Engr., Librascope, Inc.,
 808 Western, Glendale, Calif.

 SCHARF, ERICH (A'49-M'55), Head, Engrg. Sect., Waldorf
 Industrial Controls, 755 Park Ave., Huntington Sta., L.1.,
 N.Y.
- N.Y.
 SCHARF, GERSON (S'56-M'58), Assoc. Engrg. Scientist,
 Research, New York Univ., Bronx 53, N.Y.
 SCHARFELD, LERGY P. (A'58), Project Engr., Stoddart
 Aircraft Radio Co., 6644 Santa Monica Blvd., Los Angeles
 28, Calif.
- 28, Calif.
 SCHARFF, JAMES H. (A'54), Capt., USAF, Project Officer,
 Hgrs., AFSWC Development Directorate, Kirland AFB, N. M.
 SCHARFF, LEDN (SM'58), RCA, Camden, N. J.
 SCHARFMAN, HOWARD (S'47-A'50-M'55), Mgr., Special
 Microwave Device Gropp, Research Div., Raytheon Mfg.
 Co., Waltham, Mass.
- Co., Waltham, Mass.

 SCHARFMAN, WILLIAM E. (S'50-A'55), Research Engr., Stanford Research Institute, Menio Park, Calif.

 SCHARG, GEORGE A. (A'57), Engr., Test Methods, Western Electric Co., 220 Church St., New York 13, N.Y.

 SCHARKSS, HARRY (M'53), Owner, Mobile Communications, 12 Elder Pl., Newark 5, N.J.

 SCHARLA-NIELSEN, HANS (S'48-A'50-M'52-SM'55), Project Engr., Radiation, Inc., Melbourne, Fla.

 SCHARMANN, LAWRENCE E. (S'48-A'50-M'58), Radio Engr., U.S. Army Signal Research & Development Lab., Belmar, N.J.

 SCHARP, GLENN A. (S'48-A'50), Electronics Engr., SCHARP, G

- SCHARP, GLENN A. (S'48-A'50), Electronics Engr., Naval Ordnance Lab., Corona, Calif. SCHARRER, ROBERT G. (S'50-A'51-M'56), Staff Engr., Sandia Corp., Sandia Base, Albuquerque, N.M. SCHARRINGHAUSEN, ROBERT L. (S'57-M'58), Design Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.
- MO.
 SCHART, WILLIAM J. (A'52), Chief, Computer Labs.,
 Convair, San Diego, 12, Cailf.
 SCHATEN, PHILIP (S'53-A'54-M'59), Engr., Arma Div.,
 American Bosch Arma Corp., Garden City, L.I., N.Y.
 SCHATTKE, CARL H. (M'59), Sr. Engr., Martin Co.,
 Baltimore 3, Md.
- Baltimore 5, Md.

 SCHATZ, EDWARD R. (A'44-SM'53), Asst. Dean, College of Engrg. 8 Science; Assoc. Prof., Elec. Engra., Carnegle institute of Technology, Schenley Park, Pittsburgh 13, Pa. SCHATZ, FREDERICK W. (A'47-SM'54), Engrg. Supwr., Airborne Search Radar, GE Co., Ulica, N.Y.

 SCHATZ, STUART (S'58-A'59), Tech. Writter, RCA Service Co., 217 Highland Ave., Westmont, N.J.

 SCHATZLE, FRANCIS D. (A'57), V.P., Sales, Boesch Mrg. Co., Inc., 45 River St., Danbury, Conn.

 SCHAUB, LEONARD E. (A'45), Westland Radio & Appliance Co., 1535 4 St., San Rafael, Calif.

 SCHAUER, HERBERT L. (M'56), Project Engr., Specialist, Goodyear Aircraft Corp., Litchfield Park, Ariz.

 SCHAUER, JOSEPH D. (S'48-A'49-M'55-SM'55), Project Engr., Test Equipment, Sandia Corp., Sandia Base, Albuguerque, N.M.

 SCHAUER, RALPH F. (S'51-A'53-M'56), Asst. Prof.,

- Albuquerque, N.M.

 SCHAUER, RALPH F. (S'51-A'53-M'56), Asst. Prof., Elec. Engro., Iowa State College, Ames, Iowa.

 SCHAUERMAN, JOHN R. (M'58), Elec. Engr., Airborne Instrument Lab., Mineola, L. I., N. Y.

 SCHAUERS, CHARLES J. (M'55), Signal Officer, U.S., Army Hors. ADSEC, Signal Div., APO 122, New York, N.Y.

 SCHAUEFLER, FREDERICK A. (S'54-A'55), 157 E. 81

 St., New York 28, N.Y.

 SCHAULER, VINCENT A. (A'58), Electronics Draftsman, Boonton Electronics Corp., 738 Speedwell Ave., Morris Plains, N.J.

- Plains, N.J.

 SCHAUMBERG, WILMER H. (M'58), 6933 Lee Ave., N.,
 Minneapolis 22, Minn.

 SCHAUWECKER, HARRY E. (A'53-M'58), Chief Engr.,
 Valor Instruments, Inc., 13214 Crenshaw, Gardena, Calif.

 SCHEAFER, ROBERT C. S'57-M'58), Elec. Engr.,
 A.R.F. Prods., Inc., Raton, N.M.

 SCHEBLEIN, GEORGE M., R. (A'56), Quality Control
 Subt., Spery Gyroscope Co., Great Neck, L.I., N.Y.

 SCHECHER, CHARLES B. (M'58), Project Engr., American
 Bosch Arma Corp., Garden City, L.I., N.Y.

- Bosch Amma Corp., Garden City, L.I., N.Y.
 SCHECHTER, CEORGE (S'56-A'56), Electronics Technician,
 GE Co., Syracuse, N.Y.
 SCHECKER, EDWARD J. (A'55), Elec. Engr., Airborne
 Instrument Lab., Mineola, L.I., N.Y.
 SCHECTER, CHARLES W. (A'57), Owner/Partner, Electronic
 Distributors, Inc., 1845 Peck St., Muskegon, Mich.
 SCHEDE, ROBERT W. (A'45-M*55), Supry. Engr., Union
 Carbide Nuclear Co., Box P. Oak Ridge, Tenn.
 SCHEDLBAUER, CHARLES M. (SM*57), Chief, Quality
 Control, Electronic Associates, Inc., Long Branch Ave.,
 Long Branch, N.J.
 SCHEFL, CHRISTIAN F. (M'58), Research Engr., Davide-
- Long Branch, N.J.

 SCHEEL, CHRISTIAN F. (M'58), Research Engr., David-Andersen Radio A/S, Rosenborggaten 19, Oslo, Norway.

 SCHEEL, LOUIS W. (A'58), Chief Engr., Railroad Electronics Labs, of Omaha, Inc., 6614 Blondo, Omaha 4, Neb.

 SCHEEL, PAUL F. (A'54), Electronics Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 SCHEER, FREDERICK, H. (A'35-WA'39-SM'50), Engro. Suppyr., Westinghouse Elec. Corp., Metuchen, N.J.

 SCHEER, GEORGE H. (A'44-SM'44), Chief, Communications Branch (WCLNE), Wright Air Development Center, Wright-Patterson AF8, Ohio.

 SCHEER, MORRIS L. (S'54-M'56), Instrumentation Engr.

- Wright-Patterson AF8, Ohio

 SCHEER, MORRIS L. (S'54-M'56), Instrumentation Engr.,
 McDonnell Aircraft Corp., Lambert-St. Louis Municipal
 Airport, St. Louis, Mo.
 SCHEETS, BENJAMIN R. (S'56-M'58), Logical Designer,
 Litton Industries, 336 N. Foothill, Beverly Hills, Calif.
 SCHEETS, DAVID F. (A'46-M'55-SM'57), Electronic
 Scientist, Naval Ordnance Lab., Corona, Calif.
 SCHEETZ, HOWARD A. (A'53-M'56), Assoc. Electronics
 Engr., Comell Aeronautical Lab., 4455 Genesee, Buffalo
 21, N. Y.
 SCHEETZ, PORERT E. (A'57), Nathern Chillian
- 21, N.Y.
 SCHEETZ, ROBERT E. (A'57), TechRep., Philoc Corp.,
 GEEIA Region, APO 323, San Francisco, Calif.
 SCHEFFEL, ARNO G. (A'47-M'55), Principal Engr.,
 Mobile Prods., Bendix Radio Div., Towson 4, Md.

- SCHEFFLER, EDWARD C. (M'57), Engr., Raytheon Mfg.
- CO., WARRIAM, MASS SCHEFFLER, FREDERICK A. (M'58), Supvr., Radio Maint., New Orleans Police Dept., 2700 Tulane Ave., New Orleans 24, La
- SCHEFFLER, HERBERT S. (S'57-M'58), Research Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.
- Abander (August 1997) Abander (August 1997)
- SCHEIBE, PAUL O. (S'56-M'58), Rte. 1, Grand Forks,
- N.U. SCHEIBLE, WILBUR R. (M'50), Lt. Col., Navigation Aides Branch, Box 1395 Hors., ARDC, Baltimore, Md. SCHEIBNER, JAMES E. (S'56-M'58), 11513 Bellamah, N.E., Albuquerque, N.M.
- N.E., Albuquerque, N.M.

 SCHEIDENHELM, RALPH (S'50-A'51-M'56), Project
 Engr., Servomechanisms Lab., MIT, Cambridge 39, Mass.
 SCHEIDLER, WILLARD E. (S'56-M'59), USS Tulare
 (AKA-112), FPO, San Francisco, Calif.
 SCHEINLIG, FRED A. (M'59), Haller, Raymond & Brown,
 Inc., Circleville Rd., State College, Pa.
 SCHEIL, RICHARD H. (A'53), Supvr., Lab. Operations,
 Midwest Research Institute, 425 Volker Blvd., Kansas
 City 10, Mo.

- City 10, Mo.

 SCHEINER, MARTIN L. (A'46-M'55), Pres., Electronics for Medicine, Inc., 17 S. Lexington Ave., White Plains, N.Y.

 SCHEINER, STANLEY R. (A'43-M'47-5M'53), Chief Engr., Mobile Prods., Bendix Radio Div., Towson 4, Md.

 SCHEINER, RICHARD D. (M'5B), Planning Engr., Western Electric Co., 555 Union Blvd., Allentown, Pa.

 SCHELBY, FREDERICK (M'56), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 SCHELORF, M. W. (A'26-SM'46-F'58), Research Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.

- III.

 SCHELLORF, R. D. (A'31-VA'39-M'55), Dev. Engr., RCA, Camden, N.J.

 SCHELKUNOFF, SERGEI A. (A'40-F'44), Asst. V.P., Bell Tel. Labs., Murray Hill, N.J.

 SCHELL, ALLAN C. (S'54-M'57), Electronics Scientist, USAF Electronic Research Directorate, Bedford, Mass.

 SCHELL, EARL L., JR. (S'58-M'59), Jr. Engr., Bendix Radio Div., Towson 4, Md.

 SCHELL, JERRY H. (S'56-M'56), Asst. Foreman, Microwave Test, Raytheon Mig. Co., Bristol, Tenn.

 SCHELLENBERG, ANSELM G. (M'57), Electronics Engr., Remington Rand Univac, 1901 W. Minnelaha Ave., St., Paul, Minn.

 SCHELLENBERG, PETER J. (S'54-A'54), District Mor.

- Paul, Minn.

 SCHELLENBERG, PETER J. (S'54-A'54), District Mgr.,
 C. H. Ribble Co., 1219 Old York Rd., Abington, Pa.

 SCHELLENG, JOHN C. (A'23-M'25-F'28XL), 301 Bendermere Ave., Asbury Park, N. J.

 SCHELLER, JOHN A. (A'59), Elec. Engr., ARCS Industries,
 Inc., 12-39 Sunrise Hwy., West Islip, L.I., N.Y.

 SCHELONKA, EDWARD P. (M'58), Institute of Technology,
 Box 3190 AF, Wright-Patterson AFB, Ohio

 SCHEMMER, OANIEL L. (S'54-M'57), Graduate Teaching
 Asst., Purdue School of Elec. Engrg., Purdue Univ., West
 Lafayette, Ind.

 SCHENCK. A KENNETH (M'44), Mem. Tech. Staff, Bell

- SCHENCK, A. KENNETH (M'44), Mem. Tech. Staff, Bell Tel. Labs., Box 609, Cocoa, Fla. SCHENCK, GCORGE C. (M'56), Sr. Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
- SCHENCK, HERBERT H. (SM'51), V.P. & Dir., Engrg., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

- Washington 5, D.C.

 SCHENCK, HERMAN F. (A'52-M'57), Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.

 SCHENCK, JAMES (M'58), Sr. Engr., Research & Advanced Dev. Div., Avco. Mig. Corp., Wilmington, Mass.

 SCHENCK, RICHARD L. (A'39-M'44), Radio Engr., Crosley Broadcasting Corp., 140 W. 9 St., Cincinnatl 2, Ohio.

 SCHENCK, SANFORD R. (A'56), Design Engr., No. Amer. Aviation, Downey, Calif. SCHENCK, THOMAS M. (S'56-M'58), Jr. Engr., Bendix Radio Co., Baltimore 4, Md.

 SCHENCM, ANN. ERNEST F. (A'45-SM'55), Sr. Engr.
- KAUDU CO., Baltimore 4, Md. SCHENEMAN, ERNEST E. (A'45-SM'55), Sr. Engr., Westinghouse Elec. Corp., Box 7425, Halethorpe 27, Md. SCHENK, PETER J. (A'43-SM'52), Asst. to Pres. & Dir., Mktg. Planning, Raytheon Mg. Co., Waltham 54, Mass. SCHENKEL, FREDERICK W. (S'51-A'53-M'58), Tube Research Engr., CBS Labs., 227 High Ridge Rd., Stamford, Conn.
- SCHENKEL, LEONARD F., JR. (S'57-M'58), Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasa dena, Calif.
- SCHENKER, BERNARD (M'55), Sr. Engr., Sprague Electric Co., North Adams, Mass.
- CO., North Adams, Mass.
 SCHENKERMAN, STANLEY (S'52-A'55), 69-11 Yellowstone Blvd., Forest Hills 75, L.1., N.Y.
 SCHENTES, MARTIN J. (S'48-A'50-SM'55), Asst. Sr.
 Engr., Bendix Aviation Corp., Teterboro, N.J.
 SCHEPFLIN, DANKEL J. (A'52), Elec. Engr., Universal
 Match Corp., Avionics Dept., 4407 Cook Ave., St. Louis
 13, Mo.
- SCHER, NDRMAN (S'54-M'56), Engr., Lab. for Electronics, 75 Pitts St., Boston, Mass. SCHER, SIDNEY M. (A'57), V. P., Sales, Rye Sound Cop., 145 Elm St., Mamaroneck, N. Y.
- Cord., 145 Elm St., Mamaroneck, N. Y.

 SCHERAGA, MORTON C. (S'44-4-47-SM'55), Pres.,
 Analab Instrument Corp., 30 Canfleld Rd., Cedar Grove, N.J.

 SCHERBA, MICHAEL B., (A'44-SM'54), Assoc. Prof.,
 Wayne State Univ., 5140 2nd Bivd., Detroit, Mich.

 SCHERBARTH, RICHARD A. (M'58), Project Engr., Bendix
 Radio Corp., Towson 4, Md.

 SCHERE, JONATHAN L. (S'57-M'59), Engr., Edo Corp.,
 113-10 111 St., College Point, L.I., N.Y.

 SCHERER, BERNARD L., (S'49-A'50-M'55), Prod. Dev.
 Engr., Sorensen & Co., Inc., Richards Ave., South Norwalk, Conn.

 SCHERER, DONALD R. (M'59), Engr., American Brake, Shop.

- Walk, Com.
 SCHERER, DONALD R. (M'59), Engr., American Brake Shoe Co., Research Center, Mahwah, N.J.
 SCHERER, ERICH H. (M'57), Sr., Engr., Westinghouse Elec. Corp., Box 1897, Baltlmore 3, Md.
 SCHERER, GEORGE A. (S'97-M'199), Lt., USAF, Maint. & Supply Officer, 2032nd AACS Sqdn. (MATS), Lockbourne AFB. Ohio

- SCHERER, MELVIN (S'54-A'54), Sr. Electronics Engr., 1TT Labs., Nutley 10, N.J.
 SCHERER, PHILIP J. (S'57-A'58), Instrumentation Mechanic "A", Convair, Ft. Worth, Tex.
 SCHERER, RUDOLPH L. (S'55-M'57), Engr., Radar Measurements Corp., 190 Duffy Ave., Hicksville, L.I., N.Y.
- Measurements Corp., 190 Duffy Ave., Hicksville, L.I., N. Y.

 SCHERES, WILLEM J. (S'57-M'58), Asst. Engr., Douglas Alrcraft Co., 3300 Ocean Park Blvd., Santa Monica, Calif. SCHERF, ALJO L. (S'56-M'58), Assoc. Engr., Cenl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn. SCHERFF, LOUIS S. (M'54), Research Engr., Wallace Barnes Co., Bristol, Conn. SCHERMER, DIRK (S'49-A'51-M'57), Engr., American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn. SCHERMERHORN, F. GORDON (A'52), Pres., Bradford Components, Inc., 65 South Ave., Salamanca, N.Y. SCHERTLE, WILLIAM B. (A'54), TV Engrs., CBS, 6121 Sunset Blvd., Los Angeles, Calif. SCHERT, CHARLES W. (S'50-A'52), Deslgn Group Engr., Convair., Pomona, Calif. SCHERTZ, CARL J. (S'55-M'57), Elec. Engr., Regulator Sect., Vickers, Inc., Electric Prods. Div., 1825 Locust, St. Louis 3, Mo. SCHERZER, KENNETH (S'49-A'49-M'56), Asst. Sales

- St. Louis 3, Mo.

 SCHERZER, KENNETH (S'49-A'49-M'56), Asst. Sales
 Mgr., Kay Electric Co., 14 Maple Ave., Pine Brook, N.J.

 SCHETNE, HECTOR A, (M'56), Research Engr., Hughes
 Aircraft Co., Culver City, Calif.

 SCHETTLER, ROBERT B. (S'54-A'54), Analysis Engr.,
 Pratt & Whiltery Aircraft, East Harford, Conn.

 SCHETZEN, MARTIN (S'50-A'51-M'56), Teaching Asst.,
 MIT, Cambridge 39, Mass.

 SCHEUCH, DON R. (S'42-A'45-M'46-SM'50), Asst. Dir.,
 Engra. Research Div., Stanford Research Institute, Menlo
 Park, Calif.

- Engrg. Rese Park, Calif.

- Engrg. Research DIV., Stanford Research Institute, Menio Park, Calif.

 SCHEUER, HARRY, JR. (S'55-M'57), Engr., Analysis, RCA. Camden, N.J.

 SCHEUERMANN, RONALD J. (S'56-M'57), Field Service Engr., Federal Electric Corp., Paramus, N.J.

 SCHEWE, ROY W. (S'57-M'58), Engro., Design & Research, McDomnell Aircraft Corp., Box 516, Lambert Field, St. Louis, Mo. RALPH N. (M'57), Project Engr., IBM, Poughkeepsie, N. V.

 SCHIAVONE, RALPH N. (M'57), Project Engr., IBM, Poughkeepsie, N. V.

 SCHIAVONI, DOMINIC W. (S'56-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.

 SCHIBI, HENRY R. (M'55), Capt., USAF, Electronics Engr., Hughes Aircraft Co., Fullerton, Calif.

 SCHICK, FRED T. (A'55), Group Leader, Radar, Geni. Precision Labs., Inc., Pleasantville, N.V.

 SCHICK, HAROLD F. (M'57), Research Engr., Hughes Aircraft Co., Tucson, Ariz.

 SCHICK, HARNY C. (M'45), Sr. Research Engr., Autonetics

- Aircraft Co., Tucson, Ariz.

 SCHICK, HENRY G. (M'45), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 SCHICK, NORRIS E. (A'42-M'45-SM'47), Prod. Planning, GE Co., Syracuse 1, N.Y.

 SCHICK, WILLIAM (A'51-M'57), Asst. Prof., Fairleigh Dicklinson Univ., Teaneck, N.J.

 SCHIDE, CLARENCE C., JR. (M'55), Sr. Field Engr., TechRep Div., Philoc Corp., 22 St. & Lehigh Ave., Philadilphila 32, Pa.

 SCHIEBE, FRANK R. (S'56-M'58), Asst. Scientist, St. Anthony Falls Hydraulic Lab., 3rd Ave., S.E. & Mississippi River, Minneapolis 15, Minn.

 SCHIEBER, THEDDORE (S'57-M'58), 2971 Legisalem

- issippi River, Minneapolis 15, Minn.

 SCHIEBER, THEDODRE (S:7-M'58), 2971 Jerusalem Ave., Wantagh, L.I., N.Y.

 SCHIEFERSTIN, ROBERT W. (A'56-M'58), Zone Sales Mor., Motoroia Communications & Electronics, Inc., 2112 Evergreen Dr., Tallahassee, Fla.

 SCHIEKE, PAUL F. (A'51-M'57), Design Engr., Magnasync Mfg. Co., Ltd., 5546 N. Satsuma, North Hollywood, Calif. SCHIELE, EDWARD A. (S'55-A'56), Supwr., Elec. Engrg., Avondale Marine Ways, Inc., Box 1030, New Orleans 8, La. SCHIESS, GEORGE (A'53-M'58), Design Engr., Labs. RCA, Ltd., Hardturmstr. 169, Zurich, Switzerland.

 SCHIESS, MR RCEL C. (S'51-M'56), Div. Supwr., Sandla Corp., Sandla Base, Albuquerque, N.M.

- SCHIESS, MARCEL C. (S'51-A'51-M'56), DIV. Supwr., Sandla Corp., Sandla Base, Albuquerque, N.M., Sandla Corp., Sandla Base, Albuquerque, N.M., SCHIEWE, ARTHUR J. (S'52-A'55-M'56), Mem. Tech. Staff, The Ramo-Wooldridge Corp., 5730 Arbor Vitae St., Los Ángeles 45, Calif.

 SCHIEFE, RAYHOND M. (S'55-A'56), Field Service Engr., Packard Instrument Sales Corp., La Grange, Ill.

 SCHIFF, RAYHOND M. (S'55-A'56), Field Service Engr., Packard Instrument Sales Corp., La Grange, Ill.

 SCHIFF, SEYMOUR (S'50-M'55), Sr. Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 SCHIFFELBEIN, WALTER L. (S'50-A'51-M'56), Group Engr., Martin Co., Box 179, Denver 1, Colo.

 SCHIFFEMACHER, EDWARD R. (M'53), Electronic Scientist, Natl. Bureau of Standards, Boulder Labs., Boulder, Colo.

 SCHIFFMAN, BERNARD M. (S'51-A'57), Engr., Packard Colo.

 SCHIFFMAN, MILTON (M'57), Supwr., Field Service, GE Co., LMED, Utlca, N.Y.

 SCHIFFMAN, MURRAY M. (S'47-A'50-M'58), D.R. Staff, MIT Instrumentation Lab., Cambridge 39, Mass.

 SCHIFFMAYER, G. FRANCIS (M'45), Engr., Public Service Electric & Gas Co., 80 Park Pl., Neward 1, N.J.

 SCHIFFMAYER, G. FRANCIS (M'45), Engr., Public Service Electric & Gas Co., 30 Park Pl., Neward 1, N.J.

 SCHIFFRES, PAUL (S'49-A'51-M'56), Sr. Dev. Engr., Bogart Mfg. Co., 315 Seigel St., Brooklyn 6, N.Y.

 SCHIFIREE, CLEMENT S. (A'45), Cable & Insulation Research Engr., Philadelphia Electric Co., 900 Sansom St., Pohladelphia Electric Co., 900 Sansom St., Philadelphia 5, Pa.

- Philadelphia 5, Pa.

 SCHILDKNECHT, RAYMOND 0. (S'49-A'51-SM'56), Project Engr., ITT Labs., Nutley 10, N. J.

 SCHILLER, GEORGE J. (A'59), Assoc. Staff Mem., Genl. Precision Labs., Pleasantville, N. Y.

 SCHILLER, HERBERT H. (A'51-SM'55), Supvr., Computer Group, American Bosch Arma Corp., Garden City, L. I., N. Y.

 SCHILLER, JAMES D. (A'56), Television Engr., Pioneer Broadcasting Co., 1139 S. W. 13 St., Portland 5, Ore.

 SCHILLER, JOSEPH (A'45-M'55), Mgr., Joseph Schiller Electronic Equipment Service, 903 Capouse Ave., Scranton, Pa.
- SCHILLING, CHARLES R. (A'47-M'57), Project Engr., Allen D. Cardwell Mfg. Corp., Plainville, Conn. SCHILLING, DONALD L. (S'56-M'58), Columbia Univ., Elec. Research Labs., 632 W. 125 St., New York, N.Y.

- 365 -SCH-SCH

- SCHILLING, MYRON O. (A'41-M'44), Assoc. Research Physicist, Univ. of California Medical Center, Los Angeles 24, Calif.
- CHILLING, ROBERT D. (S'50-A'51-M'56), Engr., GE Co., Richland, Wash, SCHILLING, ROBERT G. (S'52-A'54), Electronics Engr., RCA, Camden, N.J.
- RCA, Camden, N.J.

 SCHILLING, WILLIAM A. (S'54-M'57), Engr., Western
 Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 SCHILLINGER, ANDREW G. (A'51-M'57), Asst. Prof.,
 Polytechnic Institute of Brooklyn, 333 Jay, Brooklyn 1,
 N.Y.
- N.Y. SCHILLINGER, EDWARD J. (S'48-A'51-M'57), Design Engr., McDonnell Aircraft Corp., Box 516, St. Louis 66, Mo.

- MO.

 CHILLINGER, ROBERT F. (SM'57), Project Engr.,
 Convair, San Diego, Criif.
 SCHILLO, THOMAS B. (SM'52), Mgr., Air Defense Sales,
 Bendix Radio, Baltimore 4, Md.
 SCHILPP, J. WALTER (M'56), Patent Atty., Burroughs
 Corp., Paoli, Pa.
- Corp., Paoli, Pa.
 SCHIMMEL, HERBERT (M'56). Consultant, Tech. &
 Economic, Town House №4, Great Neck, L.I., N.Y.
 SCHIMMEL, HOWARD (A'54-M'58), Sr. Project Engr.,
 Columbia Univ., Hudson Labs., 145 Palisade St., Dobbs
 Ferry, N.Y.
- SCHIMMEL, JOHN, III (M'52), Exec, Engr., Sprague Electric Co., North Adams, Mass.
 SCHIMMEL, KENNETH J. (A'57), Ferrite Electric Quality Control Engr., Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.

- Milwaukee 4, Wis.

 SCHIMPF, LUTHER G. (SM'46), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

 SCHIMPF, RICHARD G. (M'50), Chief Engr., Micronics Div., Elgin Natl. Watch Co., Elgin, Illi

 SCHINABECK, JOHN R. (S'55-M'56), Staff Mem., Mfg. Dev. Engr., Sandia Corp., Sandia Base, Albuquerque, N. M. SCHINDELIN, JUERGER W. (M'58), Research Engr., Convair, San Diego, Calif.

 SCHINDLER DOMALO.

- CHINDLER, ROYP (M*56), Progr. Cod Astillar, Ochio.

 SCHINDLER, DOBERT W. (A*97), Asst. Prof., Univ. of Pitsburgh, Pittsburgh 13, Pa.

 SCHINDLER, JOSE P. (S'49-A'51-M'56), Dept. Head, Missile Ground Support Equipment Dept., Polarad Electronics Corp., 43-20 34 St., Long Island City, N. Y.

 SCHINDLER, JOSEPH A. (A'39), Instr., Massachusests Radio School, 271 Huntington Ave., Boston, Mass.

 SCHINDLER, MARK (M*53), Sr. Engr., I T & T, 15191

 Bledsoe, San Fernando, Calif.

 SCHINDLER, ROYP (M*56), Engr., Cod. Astillar, Chino.

 SCHINDLER, ROYP (M*56), Engr., Cod. Astillar, Long.
- Ohio.

 CHINDLER, ROY P. (M'56), Engr., Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn.

 SCHINDLER, RUDOLF A. (S'55-M'58), Research Engr., Jet Propulsion Lab., California Institute of Technology, 4800 034 Grove Dr., Pasadena, Calif,

 SCHINDWOLF, RUDOLPH (A'55), Project Engr., Fairchild Astrionics Div., Straight Path, Wyandanch, L. I., N.Y.

 SCHINSKI, DONALD L. (S'56-A'57), Radar Technician, USAF, 2864 GEEIA Sdn., Tinker AFB, Okla,

 SCHIOWITZ, HAROLD H. (A'55), Sr. Research Engr., Rocketdyne, Canoga Park, Calif.

 SCHIPPER, ROBERT J. (S'43-A'48-M'52), Supvy., Engr., Avco. Mfg. Co., Crosley Div., 1329, Arlington St., Cincinnati 25, Ohio.

 SCHIRA, JOHN C. JP. (M'58), Elec. Posice Fore.

- SCHINGLONG BRANCH (S'47-A'51), Asst. Branch Chief, Physical Defense Branch, Wight-Patterson AFB, Ohn CSCHINGLAND, CENTROL OF BRANCH CHIEF, CHICAGO CHIC
- son, N.J.

 SCHLAACK, NORMAN F. (A'25-M'39-SM'43), Mem.
 Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 SCHLACHTER, CHRISTOPHER P. (S'57-A'58), Sr. Electronics Technician, Federal Electric Corp., Lodi, N.J.

 SCHLACHTER, HERBERT J. (A'58), Project Engr., Maxitrol
 Co., 12200 Beech Rd., Detroit 39, Mich.

 SCHLAEFER, BERNARD J. (S'56-M'57), Design Engr.,
 AC Spark Plug Div., 1925 E. Kenilworth, Milwaukee,
 Wis.

- WIS.

 SCHLAEPFER, CARL E. (S'54-A'55), Assoc. Engr., IBM,
 Monterey & Cottle Rds., San Jose, Calif.

 SCHLAEPPI, HANS P. (A'55), Project Engr., IBM, Research Lab., Zurich, 108 Zurichstrasse, Adliswil-Zurich,
 Switzerland.
- SCHLAFKE, DONALD A. (A'5B), Plant Supvr., Toll Methods, Wisconsin Telephone Co., Appleton, Wis.
 SCHLAFLY, HUBERT J. (S'41-A'42-SM'477), V. P., Chg. of Engrg. & Dir., Teleprompter Corp., 311 W. 43 St., New York, N. Y.
- SCHLAGER, KENNETH J. (A'55), Asst. Experimental Engr., AC Spark Plug Div., 1925 E. Kenilworth PI., Milwaukee 1, Wis.
- SCHLAGETER, GEORGE A. (M'56), Research Engr., board Marine Corp., Research Dept., 4109 N. 27 St. Milwaukee, Wis.
- SCHLAIKJER, JES E. (M'54-SM'58), Asst. Editor, Electri-cal Communication, I T & T, 67 Broad St., New York 4, N. Y.
- SCHLAM, DAVID J. (A154), Staff Engr., IBM, Kingston,
- N.Y.
 SCHLANG, ARTHUR (S'46-A'50-M'55), Sect. Head,
 Pulse & Video Systems, Waldorf Electronics Co., Wolf
 Hill Rd., Huntington Sta., L. I., N. Y.

- Hill Rd., Huntington Sta., L. I., N. Y.

 SCHLATTER, WALTER J. (S'53-A'55), Engr., Sperry
 Gvroscope Co., Great Neck, L. I., N. Y.

 SCHLECHT, MARTIN F. (S'48-A'49-M'55), Elec. Engr.,
 GE Co., Syracuse, N. Y.

 SCHLECHTER, ISRAEL (S'53-A'55), Systems Engr.,
 Teleregister Corp., 445 Fairchild Ave., Stamford, Corn.
 SCHLEGEL, EARL S. (M'58), Sr. Engr., Lansdale Tube
 Co. Church Rd., Lansdale, Pa.

- SCHLEGELMILCH, HARRY K. (M'57), Elec. Engr., Design & Dev., RCA Victor, Camden B, N.J. SCHLEGELMILCH, REUBEN O. (A'42-M'44-SM'48), Dir., Research & Dev., Rome Air Development Center, Griffiss
- AFB, N.Y.
 SCHLEHER, DANIEL C. (S'43-A'45), Project Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 SCHLEHLEIN, GEORGE J. (A'49), Production Engr.,
 Aluminum Casting & Engrg. Co., 2039 S. Lenox, Milwaukee,
- Wis.

 SCHLEICHER, FRANK (M'58), Group Supvr., Electromech.
 Sect., Inland Testing Labs., Morton Grove, III.

 SCHLEICHER, MOE (A'53), Schleicher Radlo, 32 Mamaroneck Ave., White Plains, N.Y.

 SCHLEIDER, NATHAN (S'56-A'57), Engr., Martin Co.,
 Orlando, Fla.
- SCHLEIMANN-JENSEN, ARNE (A'45-SM'47-F'48), Owner, Schleimann-Jensen Lab., Klingsta Skogsvag 26, Danderyd,
- Sweden.

 SCHLEMM, NORMAN H., JR. (M'57), Sr. Electronics
 Engr., Grumman Aircraft Engro. Corp., Bethpage, L.I., N.Y.

 SCHLEMMER, ROGER P. (S'55-M'57), Project Engr.,
 Engro, Specialties, 8115 Camargo, Madeira (34, Ohlo.)

 SCHLENER, JOHN E. (A'53), Eastern Regional Sales Mgr.,
 Sylvania Elec Prods., Inc., Woburn, Mass.

 SCHLENGER, JORY I. (S'56-M'57), Elec. Engr., Clifton
 Precision Prods. Co., Inc., Marple at Broadway, Clifton
 Heights. Pa.

- Heights, Pa.

 SCHLENGER, STANLEY B. (A'53-M'58), Publications Dir., Tech. Editor, Olympic Radio & Television, Inc., 34-01 38 Ave., Long Island City, N.Y.

 SCHLENKER, JONATHAN H. (A'59), Sales Mor., Hopkins Engrg. Co., 12900 Foothill Blvd., San Fernando, Calif. SCHLEPEGRELL, JOHN R. (A'50), Electronics Engr., Charleston Naval Shipyard, Naval Base, Charleston, S.C.

 SCHLESINGER, EUGENER, (S'49-A'52-M'57), Staff Systems Engr., Perkin-Elmer Corp., Main Ave., Norwalk, Conn.

 SCHLESINGER, JULIUS (S'54-M'57), Each Additional Conn.

- SCHLESINGER, EUGENE R. (S'49-A'52-M'57), Staff Systems Engr., Perkin-Elmer Corp., Main Ave., Norwalk, Conn.
 SCHLESINGER, JULIUS (S'56-M'57), Engr., Airborne Instrument Lab., Mineola, L. I., N.Y.
 SCHLESINGER, KURT (A'41-SM'51-F'54), Consulting Engr., GE Co., Syracuse, N.Y.
 SCHLESINGER, ROBERT J. (A'55-M'57), Staff Systems Analyst, Convair, San Diego 12, Calif.
 SCHLESINGER, S. PERRY (M'55), Assoc. Prof., Elec. Engrg., Columbia Univ., New York 27, N.Y.
 SCHLESINGER, WILLIAM A. (A'37-VA'39-M'55), Pres. & Chief Engr., Electronic Develoment Lab., Inc., 4468 N. Harlem Ave., Chicago 31, Ill.
 SCHLESSEL BERNARD (M'57), V.P., Panoramic Radio Prods., Inc., 10 S. 2nd Ave., Mt. Vernon, N.Y.
 SCHLESSEL BERNARD (M'57), V.P., Panoramic Radio Prods., Inc., 10 S. 2nd Ave., Mt. Vernon, N.Y.
 SCHLESSEL BERNARD (M'57), V.P., Panoramic Radio Prods., Inc., 10 S. 2nd Ave., Mt. Vernon, N.Y.
 SCHLETER, GEORGE C. (A'38-VA'39-M'55), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.
 SCHLEY, DEWEY R. (M'59), Electronics Scientist, Rome Air Development Certer, Griffiss AFB, N.Y.
 SCHLICHTEMEIER, KENNETH H. (S'56-M'57), Design Engr., ITT Labs., 3700 E. Ponitas St., Ft. Wayne, Ind.
 SCHLICHTER, ERNEST S. (S'50-A'51-M'58), Sect. Head, Microwave Dev., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Amherst, N.Y.
 SCHLICKE, HEINZ M. (M'49-SM'54), Mogr., H.F. Lab Allen-Bradley Co., W. Greenfield Ave., Milwaukee 4, Wis. SCHLIG, EUGENE S. (S'55-M'56), Electronics Engr., IBM Watson Research Lab., 612 W. 115 St., New York, N.Y.
 SCHLORFF, ROBERT F. (M'57), Chief Engr., WDET, Wayne State Univ., Detroit 2, Mich.
 SCHLOSER, CECRGE A. (M'58), Advanced Research Engr., Sylvania Electronic Systems, Williamsville 21, N.Y.
 SCHLOTE, RALPH H. (S'52-A'53-M'57), Mgr., Specialty Transformer Sales, Sola Electric Co., 46:33 W. 1.6 St.,

- SCHLOTE, RALPH H. (S'52-A'53-M'57), Mgr., Specialty Transformer Sales, Sola Electric Co., 4633 W. 16 St., Chicago 50, III.

- CINICAGO 50, III.

 SCHLUETER, ARNOLD W. (A'54), Project Engr., Admiral Corp., 3800 Cortland, Chicago, III.

 SCHLUETER, PHILIP J. (S'56-M'59), Design Engr., Svivania Elec. Prods., Inc., Waltham, Mass.

 SCHMALBACH, STEWART (M'46), U. S. Govt, Consultant. Home: 5408 Cromwell Dr., Springfield P. O., Washington 16, D. C.
- SCHMALZ, HENRY H. (M'55), Chief Engr., Thomas Electronics, Inc., 11B 9 St., Passalc, N.J. SCHMALZRIEDT, TRUMAN T. (S'56-A'57), Electronic Lab. Technician, Burroughs Corp., Plymouth, Mich. SCHMAUS, RICHARDH. (A'56), Electronics Technician, GPE Controls, Inc., 240 E. Ontario St., Chicago 11, III.
- GPE Controls, Inc., 240 E. Ontario St., Chicago 11, III. SCHMECHEL, DONALO M. (MI-57), Staff Engr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. SCHMEDEL, JOHN H. (S'55-M'-57), Electronics Field Engr., Natl. Scientific Labs., Inc., 2010 Massachusetts Ave., Washington 6, D.C.
- WASHINGTON D.C.
 SCHMEISSER, KURT R. (A'42-M'46-SM'5B), Tech. Dir.,
 WXYZ TV, American Broadcasting Co., 20777 W. 10 Mile
 Rd., Southfield, Mich.
- Rd., Southfield, Mich.
 SCHMELING, AUGUST M. (A'58), Pres., Schmeling Electronics Div., Raritan industries Corp., 20 1st St.,
 Keyport, N. J.
 SCHMELTZER, ROBERT A. (S'55-M'56), Transistor
 Applications Engr., RCA Semiconductor & Materials Div.,
 Rte. 20 2, Somerville, N. J.
- Rte. 2U2, Somerville, N. J.

 SCHMERLER, SEYMOUR (S'50-A'51-M'56), Sr. Engr.,
 W. L. Maxson Corp., 475 10 Ave., New York, N.Y.

 SCHMERLING, ERWIN R. (SM'58), Asst. Prof., Elec.
 Engre, Pennsylvania State Univ., University Park, Pa.

 SCHMERTZ, ROBERT C., JR (S'43-A'46-M'55), V.P.,

 Radiation Research Corp., 1114 1st Ave., New York 21,
 N.Y.

- N.Y.
 SCHMICKLEY, JAMES H. (\$'56-M'59), 173 Garfield Ave.,
 Long Branch, N.J.
 SCHMID, ARTHUR A. (\$'50-M'57), Engr., Logical Mechanization & System Integration, Nortronics Div., Northrop,
 Inc., 222 N. Prairle, Hawthome, Calif.
- INC., ZZZ N. Prairie, Hawtnome, Calif.
 SCHMID, FRANK L. (S'58-M'58), Elec, Engr., Chrysler
 Corp., Detroit, Mich.
 SCHMID, HERMANN (A'58), Sr. Design Engr., Link
 Aviation, Inc., Binghamton, N.Y.
 SCHMID, LOUIS H. (A'54), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

SCHMID, OTTO, JR. (S'53-A'54), Westinghouse Elec. Corp., 425 13 St., N.W., Washington, D.C. SCHMID, PAUL E., JR. (S'53-A'55), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. SCHMID, ROBERT C. (SM'57), District Sales Mgr., LMED, GE Co., 3325 Wilshire Blvd., Los Angeles, Calif.

Callf.
SCHMIDT, ALBERT F., JR. (A'54), Partner, Crescent Television Service, 603 Crescent Dr., Bound Brook, N.J.
SCHMIDT, ALFRED P. (S'56-M'58), Assoc. Evaluation
Engr., Minneapolis-Honeywell Regulator Co., St. Petersburg, Fla.

Engr., Minneapolis-Honeywell Regulator Co.; St., Petersburg., Fla.

SCHMIDT, ANTHONY F. (S'57-M'59), Jr., Engr., Bendix Aviation Corp., Kansas City, Mo.

SCHMIDT, BERNARD F. (A'46-M'55), Mem. Tech.

Staff, Supwr., Hughes Aircraft Co., Fullerton, Callf.

SCHMIDT, BRUCE H. (S'54-M'56), Electronics Engr.,

Debt. of Defense, Washington 25, D.C.

SCHMIDT, BRUCE H. (S'54-M'56), Electronics Engr.,

Debt. of Defense, Washington 25, D.C.

SCHMIDT, CHARLES J. (SM'57), Mgr., Radar Dept.,

W.L. Maxson Corp., 475 10 Ave., New York, N.Y.

SCHMIDT, CHARLES R. (M'46), Engr., Glaser
Steers Corp., 155 Oraton St., Newark, N.J.

SCHMIDT, DALE V. (S'56-M'58), Engr., Librascope

Inc., BO8 Western Ave., Glendale, Callf.

SCHMIDT, DOMALD J. L. (M'59), Actino Mgr., Missile

Instrumentation Sect., Litton Industries, College Park, Md.

SCHMIDT, EDWARD M. (M'55), V.P., Reeves Soundcraft

Corp., 671 Hope St., Springdale, Com.

SCHMIDT, EDWARD M. (S'55-M'58), Electronics Re
search Engr., Borg Warner Research Center, Des Plaines,

III.

SCHMIDT, EDWARD W. (M'58), Component & Reliability

III.
SCHMIDT, EDWARD W. (M'58), Component & Reliability
Engr., Bendix Aviation Corp., York, Pa.
SCHMIDT, ELWODD R. (S'51-A'53), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
SCHMIDT, ERWIN C., JR. (M'56), Elec. Engr., Selfemployed, 3655 Hartford St., St. Louis 16, Mo.

employed, 3635 Hartrord St., 35t. Louis 10, Mo. CHMIDT, FRANCIS M. (A'35-VA'39-SM'53), Principal Engr., Tech. Staff, Dev. Div., Cornell Aeronautical Lab., 5544 Genesee, Buffalo, N.Y. SCHMIDT, FRANK P. (A'58), Tech. Publications Dir., Electrodynamic Instrument Corp., 2508 Tangley Rd., Houston 5, Tex.

Nouston 5, Tex.

SCHMIDT, FREDW. (SM'50), Engrg. Specialist, Nortronics DIV., Northrop Aircraft, Inc., 500 E. Orangethorne, Anahelm, Calif.

SCHMIDT, FREDERICK G. (S'50-A'53), 405 N.W. 30 Ter., Ft. Lauderdale, Fla.

SCHMIDT, GEDRGE W. (M'58), Research Physicist, Crane Packing Co., 6400 W. Oakton St., Morton Grove, Ill.

SCHMIDT, HAROLD H. (M'58), Chief, Fleid Calibration Service, Atlanta Geni. Depot, Forest Park, Ga.

SCHMIDT, HAROLD W. (S'58-A'59), Instr., GE Co., Box 1537, Vandenberg AFB, Calif.

SCHMIDT, HELMUT (A'54), Engr., F.X.R., Inc., 26-12 Borough Pl., Woodside 77, L.I., N.Y.

SCHMIDT, HENRY (A'46), Dir., Supply & Maintenance, Independent Exploration Co., 1922 W. Gray, Houston, Tex.

SCHMIDT, HENRY P. (A'51). Chief Decisione.

SCHMIDT, HENRY P. (A'51), Chief Designer, Volkert Stampings, Inc. 222-34 96 Ave., Queens Village, L.I., N.Y.

SCHMIDT, HERBERT J. (S'50-A'52-M'57), Sr. Project Engr., Communications Branch, Wright Air Development Center, Wright-Patterson AFB, Ohio.

Center, Wright-Patterson AFB, Ohio.

SCHMIDT, HOWARD L. (M'59), 1801 Cleveland Ave.,
Scranton, Pa.

SCHMIDT, JEFF N. (S'46-A'48-M'55), Project Engr.,
Autonetics Div., No. Amer. Aviation, Downey, Calif.

SCHMIDT, JOHN G. (S'55-M'57), Engr., Sperry Rand
Corp., Great Neck, L.I., N.Y.
SCHMIDT, LAVON C. (S'54-M'56), Lt. Cmdr., USN, Fleet
Air Wing 14, N.A.S. North Island, San Diego 35, Calif.
SCHMIDT, LAWPENCE W. (4'56), Sr. Fleetponics Engr.

SCHMIDT, LAWRENCE W. (A'56), Sr. Electronics Engr., Hoffman Labs. Div., 3717 S. Grand Ave., Los Angeles 7, Calif.

Calli.

SCHMIDT, LEONARD D. (S'43-A'47-M'55), Engr., AT&T
Co., 195 Broadway, New York 7, N.Y.

SCHMIDT, LEROY (A'53-M'58), Engro, Assoc., Allen B.
DuMont Lab., Inc., East Paterson, N. J.

SCHMIDT, LOTHAR M. (S'47-A'49-SM'54), Electronics
Engr., Librascope, Inc., 808 Western Ave., Glendale 1,
Callf.

SCHMIDT, MICHAEL A. (A'54), Electronics Engr., Convair Aircraft Corp., 101 Pacific Hwy., San Diego, Calif. SCHMIDT, MICHAEL D. (S'55-M'57), Tube Evaluation Engr., Bendix Aviation Corp., 400 S. Beiger, Mishawaka, Ind.

Ind.

SCHMIDT, RALPH E. (SM'57), Assoc. Mgr., Fleid Test & Operations Dept., Avco Research & Advanced Dev. Dlv., 20 S. Union St., Lawrence, Mass.

SCHMIDT, RAYMOND A. (S'56-M'59), Jr. Elec. Engr., Electronic Associates, Inc., Naberal Ave., Long Branch, N. J. SCHMIDT, RAYMOND F. (M'58), Project Engr., Crosley Div., Avco Mfg. Corp., 13:29 Arlington St., Cincinnati 25, Ohio. SCHMIDT, REGINALD F. (A'56), 286 Gardners Row, Appleton, Wis.

SCHMIDT, RICHARD Q. (S'55-M'59), 752 Cornell Rd., Franklin Square, L.I., N.Y.

SCHMIDT, RICHARD W. (S'49-A'50-M'55), Customer Service Engr., Tektronix, Inc., Box 831, Portland 17, Ore.

SCHMIDT, ROBERT A. (S'48-A'49-M'55). Micron.

17, Ore.
SCHMIDT, ROBERT A. (S'48-A'49-M'55), Microwave Design Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
SCHMIDT, ROBERT C. (SM'55), Project Mgr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
SCHMIDT, ROBERT D. (M'59), Telemeter Magnetics, Inc., 306 'H'S1., N.W., Washington 13, D.C.
SCHMIDT, STANLEY J. (S'56-M'58), Assl. Project Engr., U. S. Army Research & Development Lab., Fl. Monmouth, N.J.

SCHMIDT, WILBUR E. (\$'51-A'53-M'58), Test Methods Engr., Western Electric Co., Hawthorne Sta., Chicago 23, III.

III.
SCHMIDT, WILHELM M. (M'58), Sr. Engr., ITT Labs.,
Nutley 10, N.J.
SCHMIDT, WILLIAM G., JR. (S'56-M'58), Staff Mem.,
MIT Lincoln Lab., Lexington 73, Mass.
SCHMIED, JAMES W. (A'19-VA'39-M'55)(L), Retired.
Patent Atty., Towns End Rd., Mendham, N.J.

- SCHMIED, WILLIAM F., JR. (S'49-A'51-M'56), Asst. Project Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
- Downey, Calif.

 SCHMIEDELER, FRED J. (M"58), Group Supvr., Engr.,
 Bendix Missle Sect., 400 S. Beiger St., Mishawaka, Ind.

 SCHMINKE, RICHARD E. (S'56-A'57), Lab. Asst.,
 Collins Radio Co., Cedar Rapids, Iowa.

 SCHMIT, DOMINIC F. (A'25-M'38-SM'43-F'51), V.P.,
 Prod. Engrg., RCA, Camden 2, N.J.

 SCHMITENDORF, JAMES A. (S'54-M'57), Lt., USAF,
 Richard-Gebau' AFB, Mo.

 SCHMITT ADTHIR W. (MIS9). Flectmoles Engr., DJ-

- SCHMITENDORF, JAMES A. (S'54-M'57), Lt., USAF, Richard-Gebaur AFB, Mo. (S'54-M'57), Lt., USAF, Richard-Gebaur AFB, Mo. (M'59), Electronics Engr., Directed Study, FAA, Box 1082, Oklahoma City, Okla. SCHMITT, DAVID L. (S'55-M'58), Dev. Elec. Engr., Shell Oil Co., 8500 N. Michigan Rd., Indianapolis 8, Ind. SCHMITT, CORDON W. (A'44), Electronic Specialist, FAA, Box 1896, Portland, Ore. SCHMITT, HANS J. (A'58), Asst. Prof., Harvard Univ., Gordon McKay Lab., Cambridge, Mass. SCHMITT, JOSEPH W. (S'54-M'56), Callatin F-21, Harvard Business School, 8oston 63, Mass. SCHMITT, OTTO H. (SM'44-F'55), Prof., Biophysics, Univ. of Minnesota, Minneapolis 14, Minn. SCHMITT, WALTER L. (M'56), C.R. Tube Dev. Engr., Tektronix, Inc., 9450 S.W. Barnes Rd., Portland, Ore. SCHMITTOU, CLAY J. (S'54-M'56), Engr., """ Crosley Div., Avco Mig. Corp., Glendale-Melford Rd., Cincinnati 15, Ohio.

- LIV., AVCO MIG. CORP., Glendale-Melford Rd., Cincinnati 15, Ohio.

 SCHMITZ, CHARLES F., JR. (A'54), Sr. Engr., Equipment Dev., Lansdale Tube Co., Church Rd., Lansdale, Pa. SCHMITZ, DONALD W. (S'57-M'59), Assoc. Engr., Convair, San Diego, Calif.

 SCHMITZ, JOHN F. (S'47-A'49-M'55), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SCHMUCK, RUDOLPH H. (M'47), Geophysicist, Humble Oil & Refining Co., c/o Humble Research Center, Box 2180, Houston I, Tex.

 SCHNABLE, GEORGE L. (A'56), Project Engr., Philoc Coro., Lansdale Tube Div., Church Rd., Lansdale, Pa. SCHNABOLK, HAROLD L. (A'44-M'57), Chef, Engrg. Support Sect., U.S., Army Signal Equipment Support Agency, Ft. Monmouth, N.J.,

 SCHNAKENBERG, K.L. (S'58-A'59), Electronic Evperiment Support

- Ft. Monmouth, N.J.
 SCHNAKENBERG, K.L. (S'58-A'59), Electronic Experimental Technician, Bendix Aviation Corp., 95 & Troost, Kansas City, Mo.
 SCHNALL, EMANUEL (S'49-A'53-S'54-M'56), Engr., Lab. for Electronics, 75 Pitts St., Boston 14, Mass.
 SCHNALL, EUGENE (A'59), Engr., Aide, Hazelline Electronics Corp., Little Neck 62, L.I., N.Y.
 SCHNAUSS, EDWIN R. (M'54), Sr., Llaison Engr., Avion Div., ACF Industries, Inc., 5333 Sepulveda 8Ivd., Culver City, Calif.
 SCHNEBGE, ALFRED D. (S'48-A'49-M'55), Engr.,
- City, Calif.

 SCHNEBBE, ALFRED D. (S'48-A'49-M'55), Engr., Long Island Area, Chlef Engrs. Office, New York Telephone Co., 101 Willoughby St., Brooklyn I, N.Y.

 SCHNEBBERGER, EDWARD J. (S'54-M'56), Mem. Tech. Staff, Ramo-Wooldridge Corp., Control Systems Div., 5500 W. El Segundo, Hawthome, Calif.

 SCHNEEBECK, DEAN A. (S'55-M'58), Test Engr., Convair-Astronautics, San Diego, Calif.

 SCHNEEBERGER, RICHARD F. (A'53-M'58), Assoc. Engr., Comell Aeronautical Lab., Inc., Buffalo 21, N.Y.

 SCHNEEBERGER, ROBERT J. (A'45-M'47-SM'50), Advisory Engr., WestInghouse Research Labs., 1310

 Beulah Rd., Pittsburgh 35, Pa.

 SCHNEIDER, ALBERT E. (S'40-A'42-M'45), Chief Engr.,

- SCHNEIDER, ANTHONY A. (A'59), Pres., Ralfroad Electronic Labs. of Omaha, Inc., 6614 Blondo St., Omaha 4, Neb.
- SCHNEIDER, ANTHONY P. (M'57), Supvr., Elec. Engrg. Gen., GS-11 Charleston Naval Shipyard, Naval Base, Charleston, S.C.
- Charleston, S.C.
 SCHNEIDER, BRUNO K. (A'54), Pres., Schneider & Marquard, Inc., 199 S. Portland Ave., Brooklyn 17, N.Y.
 SCHNEIDER, CARL A. (A'44-M'51), Partner, Engrg. Specialties, 7705 Shawnee Run Rd., Madeira, Ohio.
 SCHNEIDER, CHARLES R. (A'57), Microwave Technician, Southeastern Telephone Co., Ft. Walton Beach, Fla.
 SCHNEIDER, CHRISTIAN P. (5'52-A'54), Electronic Technician, Merck & Co., Inc., Danville, Pa.
 SCHNEIDER, FRANCIS H. (M'58), Electronics Engr., FAA, 17 St., N.W., Washington, D.C.
 SCHNEIDER, GERALD (M'58), 140 Hoyt St., Stamford, Conn.

- Conn.
 SCHNEIDER, GERARD (S'50-A'51-M'57), Engr., Arma
 DIv., American Bosch Arma Corp., Garden City, L.I., N.Y.
 SCHNEIDER, GERHARD O. K. (A'54-M'59), Systems Design Engr., Stromberg-Carlson Co., 100 Carlson Rd.,
 Rochester 3, N.Y.
- SCHNEIDER, HARO, JR. (S'57-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. SCHNEIDER, HAROLD T. (A'59), Mech. Engr., RCA, Camden, N.J.
- Camoen, N.J.

 SCHNEIDER, HERBERT A. (S'48-A'50-M'55), Mem. Tech.
 Staff, Systems Research, Bell Tel. Labs., Murray Hill,
 N.J.
- SCHNEIDER, HOWARD L. (A'53-SM'57), 5338 Beeler St., Pittsburgh 17, Pa. SCHNEIDER, RRVING (M'56), Sr. Engr., Electronics Div., Globe Industries, 525 Main St., Belleville, N.J. SCHNEIDER, J. RAYMOND (A'50), Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- SCHNEIDER, JOHN (A'57), Staff Quality Engr., IBM, Endicott, N.Y.
- Endicott, N.Y.
 SCHNEIDER, LEONARD L. (M'57), Project Dir., Inland
 Testing Labs., 6401 Oakton, Morton Grove, III.
 SCHNEIDER, MARTIN V. (M'56), Research Assoc., Swiss
 Federal Institute of Technology, 7 Sternwart St., Zurich 6,
 Switzerland.
- Switzerland.

 SCHNEIDER, NICHOLAS J. (5'58-M'59), Electronics Engr.,
 U.S. Naval Ordnance Test Sta., China Lake, Calif.

 SCHNEIDER, PAUL C. (S'53-A'55), Prolect Engr.,
 Kearlott Co., Inc., 1378 Main Ave., Clifton, N. J.

 SCHNEIDER, PAUL R. (A'53), Owner, Genl. Mgr., KOXR
 AM-FM, 1280 S. Oxnard Blvd., Oxnard, Calif.

 SCHNEIDER, PAUL S. (M'59), Asst. Research Scientist,
 College of Engrg. Research, New York Univ., 401 W.

 205 St., New York, N.Y.

 SCHNEIDER, PETER (A'44), Supvg. Engr., Ohio Bell
 1el. Co., 750 Huron Rd., Cleveland 15, Ohio.

- SCHNEIDER, PHILIP (S'49-A'53-M'58), Head, Communications Systems Unit, Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.
- Stamford, Conn.

 Stamford, Conn.

 CHREIDER, RALPH J. (S'48-A'50-M'55-SM'58)
 Staff Asst. To Mgr., Antenna & Radiation Systems Dept.,
 Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 SCHNEIDER, RICHARD F. (A'52-M'58), Sr. Engr., Microwave Engrg. Labs., 943 Industrial Ave., Palo Alto, Calif.
 SCHNEIDER, ROBERT E. (A'30-V-439-M'55), Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.
 SCHNEIDER, ROBERT I. (M'57), Research Engr.,
 Autonetics Dlv., No. Amer. Aviation, Downey, Calif.
 SCHNEIDER, ROBERT M. (S'47-A'50-M'55-SM'57),
 Sr. Engr., Missile Guidance Sect., Arma Dlv.,
 American Bosch Arma Corp., Garden Cltv, L.I., N.Y.
 SCHNEIDER, ROBERT P. (M'59), Assoc. Dev. Engr.,
- American boscn Arma Lorp., Carden City, L.I., N.Y.
 SCHNEIDER, ROBERT P. (M'59), Assoc. Dev. Engr.,
 Burroughs Corp. Research Center, Paoli, Pa.
 SCHNEIDER, ROY W. (S'53–A'55), Dev. Installation
 Engr., Hamilton Standard Div., United Aircraft Corp.,
 Windsor Locks, Conn.

- windsor Locks, Conn.
 SCHNEIDER, RUDOLF S, (A'57), Technician, Philips
 Electronics Industries, Ltd., 8525 Decarle, Montreal
 9, P.Q., Canada.
 SCHNEIDER, SEYMOUR (S'49-A'51-M'56), Dept. Head,
 Polarad Electronics Corp., 43-20
- 1, N.Y.

 SCHNEIDER, STANLEY (A'54), Engrg. Mgr., Helipot Div.,
 Beckman instruments, 2500 Fillerton Rd., Fullerton, Calif.

 SCHNEIDER, STANLEY (S'47-A'50-M'58), Dev. Engr.,
 Burroughs Research Center, Paoli, Pa.

 SCHNEIDER, STANLEY S. (SM'53), Dir., Engrg., Govt. &
 Industrial Prods. Div., Magnavox Co., 2131 Bueter Rd.,
 For Wayne 4, Ind.
- SCHNEIDER, VERNON A. (S'56-M'57), 8819 Olden, St. Louis 14, Mo.
- SCHNEIDER, WILLIAM A. (A'52-SM'57), V.P., Dir., Engrg., Stavid Engrg. Inc., U.S. Hwy. 22, Plainfield, N.J.
- N.J.

 SCHNEIDER, WILLIAM H. (M'57), Fleld Engr., Philos, TechRep. Div., 22 St. & Lehigh Ave., Philadelphia 32, Pa. SCHNEIDER, WILLIAM J., JR. (S'51-A'52-M'57), Electronics Engr., U.S. Naval Ordnance Test Sta., 3202 E. Foothill Blvd., Pasadena, Calif. SCHNEIDER, WILLIAM M., JR. (S'53-A'55-M'57), Assoc. Dev. Engr., Burroughs Research Center, Paoll, Pa. SCHNEIDER, WILLIAM P. (M'55), Sr. Engr., Schlumberger Well Surveying Corp., 80x 2175, Houston, Tex. SCHNEIDERMAN, MAX (A'50), Engrg., Mgr., Oscilloscope Div., Electronic Tube Corp., 1200 E. Mermaid Lane, Philadelphia 18, Pa. SCHNEIDERMAN, SOL (S'48-A'53-M'58), Mgr., Customer

- SCHNEIDERMAN, SOL (S'48-A'53-M'58), Mgr., Customer Engro., Adler Electronics, Inc., 1 LeFevre Lane, New Rochelle, N.Y.
- Rochelle, N.Y.

 SCHNEIDERMAN, WILLIAM (M'55), Project Engr., Arma
 DIv., American Bosch Arma Corp., Garden City, L.I., N.Y.

 SCHNEIDEWIND, NORMAN F. (A'54-M'59), Data Processing Analyst, Title Insurance & Trust Co., 433 S. Spring
 St., Los Angeles, Calif.
- SCHNELL, FRED H. (A'19-M'26-SM'43XL), Retired. 73 47th St., W., Bradenton, Fla. SCHNELL, WENDELL S. (A'48), Supt., Printing Dept., Commodore Perry Co., 505 Jefferson Ave., Toledo 3, Ohio. SCHNELL, WILLIAM J. (A'26-SM'44), 2001 Highland Ave., Wilmette, III.

- Ave., Wilmette, III.

 SCHNEPPLE, WAYNE F. (M'57), Mem. Tech. Staff, Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.

 SCHNERING, CHARLES J. (M'51), Supvr., Production Engre, Dept., Sylvania Elec. Prods., Inc., 60 Pennsylvania Ave., Mill Hall, Pa.

 SCHNIEBOLK, ROBERT J. (S'55-M'57), Electronics Engr., Airborne Instruments Lab., Walt Whitman Rd., Melville, L.I., N.Y.

 SCHNIPPER, ALEX (S'44-A'45-M'55), Electronic Scientist, Missile Electronics, Picatinny Arsenal, Dover, N.J.

 SCHNITGER, ARTHUR W. (A'52-M'58), Physicist, Instrument Research Co., 12031 Euclid Ave., Garden Grove, Calif.
- Call.

 SCHNOLL, NATHAN (A'41-SM'53), Pres. & Chief Engr., Industrial Devices, Inc., 982 River Rd., Edgewater, N.J. SCHNOOR, JOERG E. (S'50-A'54), Design Engr., The Nati. Cash Register Co., 1401 E. El Segundo 8Ivd., Hawthorne, Calif.
- SCHNOOR, KIRKE G. (A'57), Quality Control Engr., Melpar, Inc., 3000 Arlington 8lvd., Falls Church, Va.
 SCHNUPP, PETER (S'57-A'58), 70 Schillerstr.,
- Goettineen, Germany.
 SCHNUR, SELDON T. (A'57), Electronic Scientist, U.S.
 Naval Ordnance Lab., Corona, Calif.
 SCHNURMAN, JOHN D. (M'56), Engr., Sta. WFLA-TV,
 Tamma Ely
- Tampa, Fla

 SCHNURR, MYRON J. (SM'56), Engr., Space Technology
 Labs., Inc., Box 95001, Los Angeles 45, Calif.

 SCHOCH, DOUGLAS L. (S'56-A'57), Fleld Engr., IBM,
- Kingston, N.Y.

 SCHOCH, H. BERNARD (M'58), Engr., P.R. Mallory & Co., Inc., Indianapolis, Ind.

 SCHOCHET, JAY R. (A'58), Sales Engr., Diehl Mfg. Co., 1188 Finderne Rd., Somerville, N.J.

 SCHOCK, HARVEY E.; JR. (A'55), Administrator Genl., Quality Control, Corporate Staff, RCA, Camden 2, N.J.

 SCHOCK, J. OLIVER (M'44-SM'53), Staff Engr., Hughes Aircraft Co., Culver City, Calif.

 SCHOCK, ROBERT E. (A'30-SM'46), Research & Dev. Engr., RCA Labs. Div., 140 Moriches Rd., Riverhead, L.I., N.Y.

 SCHOCK, WILLIAMP (Alexa Chaff

- L.I., N.Y.
 SCHOCK, WILLIAM R. (A'51), Chief Engr., KOSA-TV,
 1211 N. Whitaker, Odessa, Tex.
 SCHODERBEK, JOSEPH J. (A'51-M'58), Research Scientist, Lockheed Missile Systems Div., Palo Alto, Calif.
 SCHODOWSKI, STANLEY S. (A'55), Physicist, Frequency
 Control Div., U.S. Army Signal Research & Development
 Lab., Ft. Monmouth, N.J.
- SCHOEDEL, ROBERT A. (S156-M158), Elec. Engr., IBM,
- Poughkeepsie, N.Y.
 SCHOEFFLER, JAMES D. (S'54-M'58), 3 Dana St.,
 Cambridge 39, Mass.
 SCHOEN, EDWARD C. (A'50), Electronics Engr., Hawaiian
 Telephone Co., 1130 Alakea St., Honolulu, Hawaii
 SCHOEN, QUENTHER G. (M'59), 36-05

- SCHOEN, SEYMOUR (S'48-A'51-M'54), Mgr., Component Dev. Sect., Norden Div., United Aircraft Corp., 13210 Crenshaw Blvd., Gardena, Calif. SCHOEN, THOMAS E. (S'56-M'58), Research Engr., Ministry of Defence, Scientific Dept., Box 7063, Hakirya, Tel-Aviv, Israel. SCHOENBAUM, JOSEPH R. (A'40-SM'45), Dir., Engr., Intercontinental Dynamics Corp., 170 Coolidge Ave., Englewood, N.J.

- SCHOENBAUM, WILLIAM J. (M'58), 400-B Fowler St., China Lake, Calif. SCHOENBERG, JOHN P. (S'49-A'49-M'55), Project Engr., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44,
- Pa.

 SCHOENBERGER, WILLIAM J. (M'49-SM'52), Mgr.,
 Weapon Systems Projects, Missile Electronic & Controls
 Dent., RCA, Burlington, Mass.
 SCHOENSORN, F. J. W. (A'29-M'47), Model Shop Supvr.,
 RCA, 140 Moriches Rd., Riverhead, L.I., N.Y.
 SCHOENDUYE, HOWARD W. (A'55), Partner, Westron Sales
 & Engrs., 7407 Melrose Ave., Los Angeles 46, Callf.
 SCHOENE, RUSSELL L. (SM'52), Pres. & Chief Engr.,
 Schoene Electronics Lab., 1410 S. Grand Ave., Evansville
 13. Ind.
- 13, Ind.
 SHONECK, WALTER H. (S'48-A'50), Sales Engr., Raytheon Mfg. Co., 9501 W. Grand Ave., Franklin Park, III.
 SCHOENFELD, KURT (A'37-VA'39-M'55), Engrg. Sect.
 Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SCHOENFELD, ROBERT L. (A'52-M'57), Asst. Prof.,
 Rockefeller Institute, 66 St. & York Ave., New York 21,
- SCHOENFUSS, ARTHUR F. (A'47-SM'54), Engr.-in-Chg., Quality Control, CBS-TV, 524 W. 57 St., New York 19, N.Y.
- SCHOENGARTH, MERLE D. (S'58-A'59), Field Service Engr., GE Co., 5001 Kearny Villa Rd., San Diego 12, Calif.
- SCHOENHERR, HENRY W. (M'58), Prod. Engr. (Component),
- SCHUENHERK, HENRY W. (M°58), Prod. Engr. (Component), IBM, Kingston, N.Y.

 SCHOENWALD, GERARD (A'59), Acting Sales Mgr., Curtiss-Wright Corp., West Caldwell, N.J.

 SCHOENWETTER, HOWARD K. (M'54), Mgr., Prod. Engro. Dept., Hoover Electronics Co., 110 W. Timonium, Timonium, Md.
- Engro. Dept., Hoover Electronics Co., 110 W. Timonium, Timonium, Md.

 SCHOENY, ERWIN P. (A'50), Chief Engr., On the Air, Inc., WGFB & WMLL, 1001 Diamond, Evansville 8, Ind.

 SCHOEPF, DONALD 8. (S'57-A'53), Field Engr., Federal Electric Corp., Paramus, N.J.

 SCHOEPHOERSTER, DELBERT J. (S'55-M'57), Dev. Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz.

 SCHOFIELD, CHARLES R. (A'51), Sr. Engr., Westinghouse Elec. Gorp., Rte. 27, Metuchen, N.J.

 SCHOFIELD, DONALD F. (M'59), Project Engr., Target Dev. Lab., Air Proving Ground Center, Eglin AFB, Fla. SHOKE, JAMES A. (SM'55), Pres., Zeleny Industrial Systems, Inc., 214 3rd St., Des Moines, Iowa.

 SCHOLDSTROM, RAGNAR K. O. (A'51), Research Engr., A. G. A., Lidingo, Sweden.

 SCHOLES, RONALD M. (A'55), Asst. Engr., Bogart Mfg. Corporation, 315 Siegel St., Brooklyn 6, N.Y.

 SCHOLES, HUBERT M. (M'53), Engr., GE Co., Syracuse, N.Y.

- N.Y.
 SCHOLLES, WILLIAM R. (A'46), Sales Engr., Mfrs. Rep., Box 104, Cheltenham, Pa.
 SCHOLETZKY, JOHN (S'53-A'54), Equipment Specialist, 706 N. Wayne St., Arlington I, Va.
 SCHOLFIELD, WALTER D. (A'49-M'55), Mgr., Mktg., Electronic Equipment & Tube Dept., Canadian GE Co., Ltd., 294 Bessborough Dr., Toronto 17, Ont., Canada. SCHOLL, CEORGE S. (A'54), Engr., American Machine & Foundry Co., 1025 N. Royal St., Alexandria, Va.
 SCHOLL, PAUL D., JR., (S'58-A'59), Lab. Technician, Billey Electric Co., Union Sta. Bild., Eric, Pa.
 SCHOLLARD, ROBERT J. (S'49-A'50-M'56), Chief Engr., Lane Electronics Co., 7254 Atoli Ave., North Hollywood, Calif.
 SCHOLNICK, SEYMOUR A. (A'53-M'58), Patent Atty.,

- SCHOLNICK, SEYMOUR A. (A'53-M'58), Patent Atty., Litton Industries, Inc., 336 N. Foothill Blvd., Beverly Hills, Calif.

- Litton Industries, Inc., 336 N. Foothill Blvd., Beverly Hills, Callf.

 SCHOLTES, PHILIP W. (S'51-A'52-M'57), Elec. Engr., RCA, Camden, N.J.

 SCHOLTES, PHILIP W. (S'51-A'52-M'57), Elec. Engr., RCA, Camden, N.J.

 SCHOLTZ, ROBERT A. (S'56-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SCHOLZ, CARL E. (M'26-SM'43-F'56), V.P. & Chief Engr., American Cable & Radio Corp., 67 Broad St., New York 4, N.Y.

 SCHOLZ, KURT W., JR. (A'57), Research Technician, RCA Labs., Princeton, N.J.

 SCHOLZ, KURT W., JR. (A'57), besign Engr., RCA, Harrison, N.J.

 SCHOLZ, CAURT W., St. (A'54-M'57), Design Engr., RCA, Harrison, N.J.

 SCHOLZ, SAURT W., ST. (A'59), Engr., Gringer Associates, 966 Commercial Ave., Palo Alto, Calif.

 SCHOMBURG, WILFRIED K. (S'57-M'59), 221 Clinton St., Greenville, Pa.

 SCHOMER, JAMES W. (A'59), Engr., Gringer Associates, 966 Commercial Ave., Palo Alto, Calif.

 SCHON, FREDERICK K. K. (M'58), 621 Smart Ave., Town of Cote St. Luc, Montreal 29, P. Q., Canada.

 SCHONBERG, RUSSELL G. (SM'58), Project Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif. SCHONB, LLOYD, M. (S'51-A'53-M'58), Designer, Douglas Aircraft Co., Lapham St., El Segundo, Calif. SCHONE, EDWARD G. (S'58-M'59), Electronics Engr., USAF, Mobile GEEIA, Brookley AFB, Mobile, Ala.

 SCHONFELD, WILHELM H. (M'59), 1 Welfengarten, Ltd., Ville St. Laurent, Montreal, P.Q., Canada.

 SCHONFELD, WILHELM H. (M'59), 1 Welfengarten, Hanover, Germany.

- Hanover, Germany.

 SCHONHEINZ, EMIL J. (S'51-A'52-SM'57), Dept. Mgr.,
 Brobaker Electronics, Inc., 3652 Easthaman Dr., Culver
 City, Calif.

- City, Calif.

 SCHONHOLTZ, JAMES L. (A'58), Test Equipment Engr.,
 Hughes Aircraft Co., Fullerton, Calif.

 SCHONLAU, FERDINAND K. (S'57-M'58), Elec. Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 SCHONTZLER, JAMES G. (S'51-A'53-M'58), Sales Engr.,
 Raytheon Mfg. Co., Newton, Mass.

 SCHOOLEY, ALLEN H. (A'35-SM'47-F'54), Assoc. Dir.,
 Research, Electronics Div., U. S. Naval Research Lab.,
 Washington 25, D.C.

SCH-SCH - 367 -

- SCHOOLEY, CHARLES E. (SM'47), V.P. & Genl. Mgr., Indiana Bell Tel. Co., 240 N. Meridian St., Indianapolis 9, Ind.
- 9, Ind.
 SCHOOLEY, MERLE H. (A'54), Sr. Engr., Michigan
 Bell Tel. Co., Detroit 26, Mich.
 SCHOOLEY, ROBERT W., JR. (A'52-M'57), Chief Elec.
 Engr., Potter Aeronautical Co., Rice. 22, Union, N.J.
 SCHOONOVER, DONALD J. (S'48-A'50-M'56), Prod.
 Engr., Sylvania Elec. Prods., Inc., N. Pratt St., Ottawa,
 Ohio.

- Ohio.
 SCHOONOVER, MELVIN R. (A'59), Assoc. Engr., Convair,
 San Diego, Calif.
 SCHOONOVER, WILLIAM C. (S'49-A'51-M'5B), Electronics
 Scientist, Wright-Patterson AFB, Ohio.
 SCHOOR, VIRGINA M. (S'48-A'51-M'56), Elec. Fngr.,
 Cummins & Barnard, Inc., 1091 E. Washington St., Ann
 Arbor, Mich.

- Cummins & Barnard, Inc., 1091 E. Washington St., Ann Arbor, Mich.

 SCHOR, FERDINAND W. (A'41-SM'45), Supvr., Communication Receivers, Hoffman Labs. Div., Hoffman Electronics, 3761 S. Hill St., Los Angeles 7, Calif.

 SCHOR, HERBERT (M'46), Pres., Signalite, Inc., 37–41 Neptune Hwy., Neptune, N.J.

 SCHORNSTEIN, MERWIN L. (M'56), Asst. Chief Project Engr., Lewyt Mg. Corp., 43–22 Queen St., Long Island City 1, N.Y.

 SCHORR, FREDERICK W. (M'59), Elec. Engr., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 SCHORR, HERBERT (S'55–M'58), Engrs. Bidg., Princeton Univ., Princeton, N.J.

 SCHORR, MARVIN G. (S'44–A'45–M'55), Exec. V.P. & Treas., Technical Operations, Inc., South Ave., Burlington, Mass.

 SCHORR-KON, JACQUES J. (S'55–M'56), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.

 SCHORS-CH, RUDOLF H. (M'56), Lt., USAF, Communications & Electronics Officer, Air Force Institute of Technology, Home: 2420 Northwood Agt. 3, Ann Arbor, Mich.

 SCHORUM, STANLEY W. (M'58), Mem. Tech. Staff, Geni. Telephone Lab., Box 17, Northlake, Ill.

 SCHOTLAND, RICHARD M. (A'54), Assoc. Prof., Meteroricov. New York Univ., University Hots., New Meteroricov. New York Univ., University Hots., New

- SCHOTLAND, RICHARD M. (A'54), Assoc. Prof., Meteorology, New York Univ., University Hgts., New York 53, N.Y.
- SCHOTT, F. W. (S'41-A'45-M'50), Assoc. Prof., Engrg., Univ. of California, 405 Hilgard St., Los Angeles 24, Calif.

- Only, or Carronnia, 765 m.yana 6.7, Calif.

 CAIOTT, LIONEL O. (4/53), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.

 SCHOTT, OSCAR A. (M/46), Pres., Oscar A. Schott Co.,
 Inc., 500 11 Ave., S., Minneapolis 4, Minn.
 SCHOTT, WALTER L. (SM*58), Div. Mgr., G. C. Textron,
 Inc., 3225 Exposition Pl., Los Angeles 18, Calif.
 SCHOTTEN, HERBERT G. K. (M*57), Sr. Dev. Engr.,
 Internatl. Computors & Tabulators, Ltd., Gunnels Wood
 Rd., Stevenage, Herts., England.
 SCHOTTENFELD, ISAAC A. (A'55), Design Engr., RCA,
 Moorestown, N.J.
 CCHOTTI AND. FREDERIC D. (A'36-SM'53), Consulting

- Moorestown, N.J.
 SCHOTLAND, FREDERIC D. (A'36-SM'53), Consulting
 Engr., Frederic D. Schottland, 40 Rock Spring Ave.,
 West Orange, N.J.
 SCHOVER, DONALD S. (SM'50), Staff Engr., Cook Research
 Labs., 6104 Oakton Ave., Morton Grove, III.
 SCHRACK, FRED G. (S'56-M'58), Graduate & Asst., Univ.
 of British Columbia, Vancouver 8, B.C., Canada.
 SCHRACK, ROALD A. (S'48-A'50-M'56), Physicist, Natl.
 Bureau of Standards, Washington 25, D.C.
 SCHRADER, FREDERICK S. (M'57), Electronics Engr.,
 Air-Mod Corp., Box 1056, North Highlands, Calif.
- SCHRADER, GEORGE F. (S'44-A'46-M'53), Electronics Engr., Univ. of California Radiation Lab., Berkeley 4, Calif.

- SURMAUER, GEUNGE F. (S'44-A'46-M'53), Electronics Engr., Univ. of California Radiation Lab., Berkeley 4, Calif.

 SCHRADER, GEORGE F. (S'44-A'47-SM'54), 1636 N.W. 7 Ave., Gainesville, Fla.

 SCHUPP, GEORGE A., JR. (S'44-A'49-SM'55), Mgr., Advanced Dev. Engrg., GE Co., Syracuse, N.V.

 SCHRADER, HAROLD J. (313-M'38-SM'43-F'54), Staff Engr., Missile & Surface Radar Div., Defense Electronic Prods., RCA, Moorestown, N.J.

 SCHRADER, LEO W., JR. (A'48-M'55), Project Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 SCHRADER, ROBERT L. (A'53-M'58), Sales & Apolication Engr., GE Co., 3 Penn Center Plaza, Philadelphia 2, Pa.

 SCHRADER, WILLIAM A. (A'36-VA'39-M'48), Construction Mgr., The Hallen Construction Co., Inc., 4270 Austin Blvd., Island Park, L.I., N.Y.

 SCHRAER, LOUIS J. (S'51-A'53-M'58), Project Engr., The Baldwin Piano Co., Fayetteville, Ark.

 SCHRAER, ROBERT L. (S'45-M'51), Assoc. Prof., Elec. Engrg., Univ. of Wichita, Wichita, Kan.

 SCHRAM, STUART M., JR. (A'39-SM'53), Staff Engr., Weapons Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 SCHRAMM, CARL T. (M'58), Plant Mgr., The Narda Ultrasonics Corp., 122 Herricks Rd., Mineola, L.I., N.Y.

 SCHRAMM, CHARLES W. (SM'54), Mem. Tech Staff, Bell Tel. Labs., Whippany, N.J.

 SCHRAMM, JOHN A. (M'59), Sect. Head, Lansdale Tube Co., Soring City, Pa.

 SCHRAMM, JOHN A. (M'59), Sect. Head, Lansdale Tube Co., Soring City, Pa.

- SCHRAMM, JOHN A. (M'59), Sect. Head, Lansdale Tube Co., Spring City, Pa.
 SCHRANK, HELMUT E. (M'48-SM'56), Sr. Engr., Westinghouse Air Arm Div.. Box 746, Baltimore 3, Md. SCHRANZ, RAYMOND J. (S'55-M'57), Electronics Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, III. SCHREIBER, CHARLES L. (S'52-M'56), 7027 Toepfer, Van Dyke, Mich.
 SCHREIBER, ERAL J. (M'53), V.P. & Genl. Mgr., Madigan Corp., 526 Mineola Ave., Carle Place, L.I., N.Y.
 SCHREIBER, ERNST H. (A'28-M'32-SM'43-F'57), Staff Engr., TV & Program Services, Pacific Telephone & Telegraph Co., 747 S. Hill St., Los Angeles 55, Calif. SCHREIBER, EUGENE L. (M'56), Fleid Engr., GC., 747 S. Hill St., Los Angeles 55, Calif. SCHREIBER, OTMAR P. (A'51-M'56), V.P., Technical Wire Products, Inc., 48 Brown Ave., Springfield, N.J. SCHREIBER, OTTO W. (S'43-A'45-M'55), Project Engr., Precision Technology Debt., Librascope, Inc., 66 S. "P" St., Livermore, Calif. SCHREIBER, WALTER B., JR. (A'53-M'58), Prod. Methods Ennr., Sperry Corp., Great Neck, L.I., N.Y.

- SCHREIBER, WILLIAM F. (S'45-A'48-M'55), Research Physicist, Technicolor Corp., 2800 W. Olive Ave., Burbank, Calif.
 SCHREIER, WILLIAM J. (S'56-M'58), Maj., USMC, Washington 25, D.C.
 SCHREIMER, DONALD G. (S'57-A'59), Staff Asst., Sandla Corp., Sandla Base, Albuquerque, N.M.
 SCHREIMER, EDMUND D. (A'45-M'55), Research Engr., Ing. C. Olivetti Sp. A. Ivrea, Italy.
 SCHREIMER, EDMUND M. (S'57-M'59), Engr., Genl. Precision Lab., Pleasantville, N.Y.
 SCHREIMER, KENNETH E. (S'42-A'44-M'55), Sr. Engr., Watson Research Lab., IBM, 612 W. 115 St., New York 25, N.Y.
 SCHREINER, Intilis W. (S'41-A'43-SME2), Chief. St.
- 25. N.Y.
 SCHREINER, LOUIS W. (S'41-A'43-SM'52), Chief, Elec.
 Engrg., Warwick Mfg. Co., 7300 N. Lehigh, Niles 31, IiI.
 SCHREINER, RICHARD J. (S'47-A'49-M'55), Assoc. Dept.
 Head, Quality Control, Geni. Precision Lab., Pleasantville, N.Y.
- SCHREINER, ROBERT J. (S'56-M'57), Design Engr., Computer Lab., GE Co., 951 Commercial St., Palo Alto, Calif.
- Alto, Calif.

 SCHREINER, RODERIC W. (M'56), Engr., Sylvania Elec.
 Prods., Inc., 500 Evelyn St., Mountain View, Calif.
 SCHREINER, STANLEY M. (S'47-4'50-SM'56), Sr.
 Project Engr., ITT Labs., Nutley 10, N.J.
 SCHREINER, WARREN A. (A'46-M'55), Elec. Engr., Spar
 Engrg. & Development, 530 Davisville Rd., Southhampton,
 Pa.
- Pa.
 SCHREITMUELLER, RUDDLPH F. (S'48-A'50-M'55), Sr.
 Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SCHRENK, MATTHEW H. (SM'46-F'57), Deputy Dev. Coordinator, Office of Naval Research, Washington 25, D.C.
 SCHREUER, WALTER (SM'56), Staff Engr., National
 Co., Inc., Malden 48, Mass.
 SCHREYER, FRANK J. (A'54-M'57), Field Engr., Electronics, Philos Corp., 22 St. & Lehigh Ave., Philadelphia
 32, Pa.

- 32, Pa.
 SCHREYER, HELMUT T. (M'56), Praca Gabrial Soares
 7, Rìo de Janeiro, Tijuca, D.F., Brazil.
 SCHREYER, STAFFORD D. (S'47-A'49-M'54), Engr.,
 Westinghouse Elec. Corp., Friendship Internati. Alroort,
 Baltimore 27, Md.
- Baltimore 27, Md. S'SCHAIM, Electronics Detail Technician, McDonnell Aircraft Corp., Lambert-St., Louis Municipal Airport, Box 516, St. Louis 3, Mo. SCHRIMPF, HENRY W. (A'53), Staff Engr., In Plant System Test Dept., Minneapolis-Honeywell Regulator Corp., Datamatic Div., Newton Highlands, Mass.
- matic Div., Newton Highlands, Mass.

 SCHROCK, NORMAN B. (\$'41-A'45-SM'51), Dev. Engr.,
 Hewlett-Packard Co., 275 Page MIII Rd., Palo Alto, Calif.

 SCHRODER, RICHARD D. (\$'42-A'43-M'50-SM'53), Mem.
 Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SCHROEDER, ALFRED C. (A'38-SM'46-F'54), TV Engr.,
 RCA Labs., Princeton, N.J.,

 SCHROEDER, ANDREW J. (A'54), Ordnance Engr., Dept.
 of Navy, Washington, D.C.

 SCHROEDER, CHARLES E. (A'57), Elec. Design Engr.,
 IBM, Poughkeepsle, N.Y.

 SCHROEDER, EUGENE F. (S'53-A'55), Staff Mem., Sandia
 Cop., Sandia Base, Albuquerque, N.M.

 SCHROEDER, EUGENE N. (SM'57), 1149 Glenwood Rd.

- SCHROEDER, EUGENE N. (SM*57), 1149 Glenwood Rd., Vestal, N.Y.
- Vestal, N.Y.
 SCHROEDER, GEORGE F. (SM'58), Engrg. Dir. for Aeronautical Equipment, Ford Instrument Co., 31-10 Thomson
 Ave., Long Island City 1, N.Y.
 SCHROEDER, HANS (A'56-M'58), Sect. Head, Systems
 Research Dept., Mati. Cash Register Co., Main & K. Sts.,
 Dayton 9, Ohio.

- Dayton 9, Ohio.

 SCHROEDER, JOHN 0. (SM'59), Sect. Supvr., The Daven Co., Rte 10, Livingston, N.J.

 SCHROEDER, JOSEPH J., JR. (M'57), Dev. Engr., Motorola, Inc., 1450 N. Clcero, Chicago 51, Ill.

 SCHROEDER, K. ALBERT (4, 157), Sales Engr., Viditon Corn., Ltd., 384 Bank St., Ottawa, Ont., Canada.

 SCHROEDER, KARL R. (S'49-A'50-M'53-SM'59), Sr. Engr., Sperry Gyroscope Co., Carle Place, J. I., N.Y.

 SCHROEDER, KENNETHW. (S'58-A'59), Radlo & TV Repalman, Wetterman Television, Arlington Hds., Ill.

 SCHROEDER, KLAUS G. (M'58). Electronic Scientist.
- Repairman, Wetterman Television, Artington Russ., III.
 SCHROEDER, KLAUS G. (M/SB), Electronic Scientist,
 Range Instrumentation Dev. Div., Multisystems Research,
 White Sands Missile Range, N.M.
 SCHROEDER, RICHARD K. (A/55), Systems Engr., SpencerKennedy Labs., Inc., 1320 Soldiers Field Rd., Boston 35,
 Mass.
- Mass.
 SCHROEDER, ROBERT L. (S'49-A'50), Sect. Head, Simulation Sect., U.S. Naval Ordnance Test Sta., 3202 E. Foothill, Pasadena, Calif.
 SCHROEDER, ROBERT P. (A'54-M'58), Electronics Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

- N.Y.
 SCHROEDER, ROLAND R. (S'56-A'57), 240 W. Kalmia,
 San Diego, Calif.
 SCHROEDER, RUSSELL C. (A'57), Instr., Radio Engrg.
 Institute, 2610 Leavenworth St., Omaha 5, Neb.
 SCHROEDER, W. RUSSELL (A'37-VA'39), Asst. Supt.,
 Quality Control, The Baldwin Plano Co., 1801 Gilbert
 Ave., Cincinnati 2, Ohio.
- SCHROEDER, WILLIAM (S'56-M'57), Mem. Tech. Staff, Ramo-Wooldridge Corp., 8820 Bellanca, Los Angeles 45, Calif.
- Calif.
 SCHROER, PAUL E. (A'57), Field Engr., Hoffman Labs., 3761 S. Hill, Los Angeles 7, Calif.
 SCHROER, RONALD B. (A'58), Test & Dev. Engr., Chrysler Corp. Missile Div., Box 2628, Detroit 31, Mich.
 SCHROT, ERNEST H. (A'48-SM'53), Admiral Corp., 3800 Cortland St., Chicago 47, Ill.
 SCHROTER, RICHARD E. (A'38), Exec. V.P., Research & Design, Paragon Corp., 2646 Creston Dr., Hollywood 28, Calif.
- Calif.

 SCHROTER, RUSSELL G. (S'51-A'53-M'58), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 SCHRUFER, HOWARD J. (S'53-A'55), Computer System Test Engr. IBM, Kingston, N.Y.

 SCHRUMPF, DALE A. (S'56-M'57), Elec. Engr., Sylvania Microwave Tube Lab., 500 Evelyn, Mountain View, Calif. SCHUBERT, CARL J. JR. (M'57), Engr., WestInghouse Elec. Corp., Box 746, Baltimore 3, Md.

 SCHUBERT, ENNEST J. (M'54-SM'56), Consultant, Burroughs Corp., Research Center, Paoli, Pa.

- SCHUBERT, RUDOLF A. (M'157), Jr. Engr., Philco Corp., 3875 Fablan Way, Palo Alto, Calif. SCHUBERT, ULRICH L. (M'158), Engr., American Bosch Arma Corp., Box 1126, San Diego, Calif. SCHUBRING, NORMAN W. (S'52-A'53-M'56), Sr. Research Engr., GM Research Labs., 12 Mile & Mound Rd., Warren, Mich.
- Mich.
 SCHUCHARD, EARL A. (A'43-M'46), Chief, MagnetIcs &
 Elec. Div., Naval Ordnance Lab., Silver Spring, Md.
 SCHUCK, O. HUGO (A'34-M'44-SM'49-F'57), Dir.,
 Research, Aeronautical Div., Minneapolis-Honneywell
 Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn.

- SCHUCK, O., HUGO (A'34-M'44-SM'49-F'57), Dir., Research, Aeronautical Div., Minneapolis-Honneywell Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn. SCHUCK, ROLAND P. (S'57-M'59), Elec. Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, Ill. SCHUDER, JOHN C. (M'55), Engr., School of Medicine, Univ. of Pennsylvania, Philadelphia, Pa. SCHUETTE, WILLIAM H., (S'55-M'57), Analyst, Air Tech. Intelligence Center, Wright-Patterson AFB, Ohlo. SCHUH, CARL F., (A'56), Tech. Asst. to Pres., Ernst Roederstein GmbH, Landshut/Bayern, Germany. SCHUHARDT, WILLIAM F. (S'57-M'59), Electronics Engr., Dent. of Defense, Washington, D. C. SCHUHARDT, WILLIAM F. (S'57-M'59), Electronics Engr., Dent. of Defense, Washington, D. C. SCHUHLEIN, CHARLES M., (S'52-M'56), Engr., Airborne Instrument Lab. Mineola, L.I., N.Y. SCHUKANTZ, JAMES H., JR. (S'57-M'59), Assoc. Engr., Convair, San Diegol, Calif. SCHULBACH, ADOLPH (S'57-M'59), Fingr., RCA, Canden, N. J. SCHULBR, REGINALD G. (SM'55), Tech. Dir., Brush Instruments, 37 & Perkins, Cleveland 14, Ohio. SCHULER, ROBERT L. (S'57-M'59), Field Test Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass. SCHULHERR, RICHARD M. (A'51-SM'56), Asst. Chief, Weapons Defense Branch, Weapons Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio. SCHULER, GEORGE F. (S'54-M'57), Elec. Engr., Varian Associates, 611 Hansen Way, Palo Alto. Calif. SCHULKE, HERBERT A., JR. (S'51-A'55), Major, U. S. Army Signal Corps, Assoc. Prof., Elec. Engr., Dept., U. S. Military Academy, West Point, N.Y.
 SCHULKIND, DONALD (S'53-A'55), Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

- KIVER, Md.

 SCHULKIND, DONALD (S'53-A'55), Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

 SCHULL, GEORGE R. (S'40-A'42-M'49), Sect. Head,
 Astronautics Div., Lear, Inc., 3171 S. Bundy Dr., Santa
 Monica, Calif.
- Monica, Call.

 SCHULLERY, EDMUND D. (S'53-A'54), Electronics Engr.,
 Martin Co., Baltimore 3, Md.

 SCHULLMAN, BERNARD L. (S'58-M'59), Systems Engr.,
 Denison Engrg. Div., American Brake Shoe, 1160 Dublin
 Rd., Columbus 16, Ohio.
- Rd., Columbus 16, Ohio.
 SCHULMAN, FRANKLIN D. (S'50-A'51-M'58), Staff
 Engr., IBM, Poughkeepsle, N.Y.
 SCHULMAN, JOSEPH R. (A'46-M'55), Head Electronics
 Engr., USI Robodyne Div., U.S., Industries, 8411 2nd
 Ave., Silver Spring, Md.; Lecturer, Univ. of Maryland,
- Ave., Silver Spring, Md.; Lecturer, Univ. of Maryland, College Park, Md.
 SCHULMEYER, RAYMOND M. (S'55-M'57), Instrumentation Engr., Martin Co., Baltimore 3, Md.
 SCHULTE, FREDERICK E. (S'52-A-153-M'58), Group Head, Lear, Inc., 110 Ionia, N.W., Grand Rapids 2, Mich.
 SCHULTE, HAL F., JR. (S'47-A-150-M'58), Project Supwr., Univ. of Michigan Research Institute, 526 E. Engrg. Bidg., Ann Arbor, Mich.
 SCHULTE, HARRY J., JR. (M'58), Mem. Tech. Staff, Bell Tel., Labs., Murray Hill, N.J.
 SCHULTE, RICHARD W. (S'50-A'52), Assoc., Planning Research Corp., 10970 Le Conte, Los Angeles 24, Calif.
 SCHULTE, RICHARD W. (S'50-A'52), Ms. (A'46-SM'56), Mgr., instrumentation Systems, DYNAC, Inc., 275 Page Mill Rd., Palo Alto, Calif.
 SCHULTHEISS. PETER M. (S'50-A'51-M'56), Assoc.

- SCHULTHEISS, PETER M. (S'50-A'51-M'56), Assoc. Prof., Elec. Engrg., Yale Univ., 10 Hillhouse Ave., New Haven, Conn.
- Haven, Conn.

 SCHULTZ, ALVIN A. (M'46), Pres., Knox Steel & Co., Inc., 4630 W. 53 St., Chicago 32, III.

 SCHULTZ, ARTHUR J. (SM'51), Pres., Videon Electronic Corp., 902 E. Michigan St., Indianapolis 2, Ind.

 SCHULTZ, ARTHUR J. (S'43-A'44-M'47-SM'52), Sr. Equipment Design Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.
- SCHULTZ, CLARENCE W. (M'48), Assoc, Prof., Elec. Engrg., The Univ. of Connecticut, Box U-37, Storrs, Conn.
- SCHULTZ, CURTIS J. (A'45-M'55), Mgr., System Engrg.
 & Special Production Dept., Communication & Industrial
 Electronics Div., Motorola, Inc., 4501 W. Augusta Blvd.,

- Electronics DIV., Motorola, Inc., 4501 W, Augusta Blvd., Chicago 51, Ill.

 ChULTZ, DONALD D. (S'56-M'58), R.D. 1, Creek Rd., Poughkeepsie, N.Y.

 SCHULTZ, FLOYD V, (A'32-SM'45), Prof., Elec. Engrg., Purdue Univ., Lafayette, Ind.
 CHULTZ, HAROLD R. (M'58), Instrumentation Supvr., Hughes Aircraft Co., Culver City, Calif., SCHULTZ, JACK L. (SM'56), S. Scientist, Stavid Engrg., Inc., Rte 22, Plainfield, N.J.
 SCHULTZ, JAMES J. (A'41-M'55), 4114 Tuxey Ave., Pittsburgh 27, Pa.
 SCHULTZ, JAY E. (A'55), Field Service Engr., Westinghouse Elec. Corp., 410 Bush St., San Francisco, Calif. SCHULTZ, JOHN J. (S'56-M'58), Projects Engr., Radio Free Europe, Englischer Garten 1, Munich 22, Germany. SCHULTZ, MERLE A. (M'57), Electronics Dev. Engr., Burnoughs Corp., Paoli, Pa.
 SCHULTZ, WERLE A. (SM'48), Engrg. Mgr., Testing Reactor, Westinghouse Elec. Corp., Box 1075, Pittsburgh 30, Pa.
 SCHULTZ, MORTON L. (S'52-A'54), Project Engr., Loral
- SCHULTZ, MORTON L. (S'52-A'54), Project Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.
- N.Y.

 SCHULTZ, OSCAR T. (SM'57), Engrg. Sect. Head, Sunnyvale Development Center, Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.

 SCHULTZ, PETER R. (S'55-M'57), Mem. Tech. Staff,
 Space Technology Labs., 5500 El Segundo Blvd., Los
 Angeles 45, Calif.

 SCHULTZ, PHILLIP D. (S'56-M'58), Electronics Engr.,
 Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, III.

- SCHULTZ, RALPH H. (S'52-A'54), Sr. Engr., N.D.P. Engrg. Co., 5526 Dyer St., Dallas 6, Tex.
 SCHULTZ, RAYMOND J. (M'57), Sales Engr., SyncroDevices, Inc., 3265 Bermuda Ave., Fermdale 20, Mich.
 SCHULTZ, RICHARD D. (A'58), Elec. Engr., Sperry Rand
 Corp., Great Neck, L.1., N.Y.
 SCHULTZ, ROBERT E. (S'50-A'51-SM'56), Design Engr.,
 Electronics Lab., GE Co., Syracuse 1, N.Y.
 SCHULTZ, ROBERT E. (M'58), Radar Engr., Emerson Electric Mfg. Co., 8100 W. Florissant Ave., St. Louis 21,
 Mo.
- Mo.

 SCHULTZ, ROBERT J. (S'52-A'54-M'57), Sr. Dev. Engr., Communications & Industrial Electronics Div., Motorola, Inc., 4501 W. Augusta Blvd., Chicago, III.

 SCHULTZ, ROBERT L. (A'50), Electronics Engr., Hoover Electronics, 3640 Woodland Ave., Baltimore 15, Md.

 SCHULTZ, RDBERT M. (S'49-A'49-M'59), Design & Dev. Engr., Topping Electronics, Ltd., 94 Laird Dr., Toronto 17, Ont., Canada.

- 17, Ont., Canada.
 SCHULTZ, ROBERT T. (S'51-A'53-M'59), Pres., Glentronics, Inc., 859 E. Alosta, Glendora, Calif.
 SCHULTZ, WILLIAM F. (A'53), Asst. Chief Engr., Ohio Valley Television Co., 80x 395, Evansville, Ind.
 SCHULTZ, WILLIAM R. (S'55-M'57), Assoc. Scientist, Lockheed Missile Systems, Sunnyvale, Calif.
 SCHULTZE, WALDEMAR J. (A'57), Chief Engr., Oak Electronics Co., 144-164 Oak St., Buffalo 3, N.Y.
 SCHULZ, DAVID G. (S'55-M'56), Assoc. Engr., Genl. Mills, Inc., 2003 E. Hennipin Ave., Minneapolis 13, Minn.
- SCHULZ , DDNALD F. (S'52-M'57), Electronics Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. SCHULZ , DONALD P. (M'58), 531 25 St., Hermosa Beach,
- SCHULZ, EDWARD R. (M'56), Engr., GE Co., Syracuse,

- N.Y.
 SCHULZ, EDWIN A. (A'47), Mfrs' Rep., Edwin A. Schulz Co., 721 Sherwood Dr., Indianapolis 20, Ind.
 SCHULZ, ELMER H. (A'36-SM'46-F'58), V.P., Armour Research Foundation, 10 W, 35 St., Chicago 16, III.
 SCHULZ, FRED J. (A'55), Project Engr., Blonder-Tongue Labs., 9-25 Alling St., Newark 2, N. J.
 SCHULZ, HERMAN R. (A'46-M'48-SM'52), Experimental Lab, Mgr., Royal McGee Corp., 1031 New Britain Ave., West Hartford 10, Conn.
 SCHILIZ, KETTH S. (M'45), S. Paranat Francisco

- West Hartford 10, Conn.
 SCHULZ, KEITH S. (M'56), Sr. Research Engr., No. Amer. Avuiation, Downey, Calif.
 SCHULZ, PETER (A'56), Rep., Duncan A. Scott & Co., 1901 W. 85 t., Los Angeles 57, Calif.
 SCHULZ, RICHARD (S'56-A'57), U. S. Army, Home: 828 W. Barry Ave., Chicago 14, III.
 SCHULZ, RICHARO B. (S'41-A'45-M'50), Research Engr., Armour Research Foundation, Technology Center, Chicago 16, III.
- SCHULZ, RDBERT F, (A'41-M'55), Engrg, Mgr., Mountain View Labs., Sylvania Elec. Prods., Inc., 8ox 188, Mountain View, Calif.
- Mountain View, Calif.

 SCHULZ, ROBERT H. (M'58), Systems Engr., RCA Service
 Co., Camden B, N.J.

 SCHULZ, SIDNEY W. (A'41-M'48), Asst. Dir., Communications, Northwest Orient Airlines, Inc., 1885 University Ave., St. Paul, Minn,

 SCHULZ, WILLIAM J. (A'57), Oept. Leader, Chatham Electronics Div., Tung-Sol, 63D W. Mt., Pleasant Ave.,

 Livingston, N.J.

 SCHULZE, CURT O. (S'56-M'58), Chief, Instrumentation
 Sect., 6511th Air Force Test Group (Parachute),

 N.A.A. S., El Centro, Calif.

 SCHULZE, GLEN H. (M'58), Ground Support Design Engr.,
 Emerson Electric Co., 8100 W. Florissant Ave., St.

 Louis 21, Mo.

 SCHULZE, HARRY F. (S'58-M'59), Engr., Divisor.

- Louis 21, Mo.

 SCHULZE, HARRY E. (S'5B-M'59), Engr., Philoo Corp.,
 C & Tioga Sts., Philadelphia, Pa.

 SCHULZE, HERIT. (M'55), Electronics Engr., Los Alamos
 Scientific Lab., Univ. of California, Los Alamos, N. M.

 SCHUM, EUGENE J. (S'55-A'56), RCA-PAA, G. B. I.,
 Patrick AFB, Fia.

 SCHUMACHER, FRED M. (S'55-M'56), Mem. Tech. Staff,
 GE Microwave Lab., 601 California Ave., Palo Alto, Calif.

 SCHUMACHER, FREDRIC A. (S'57-M'58), Asst. Dev.
 Engr., Burroughs Research Center, Great Valley Labs.,
 Paoli, Pa.
- SCHUMACHER, GARY 8, (S'53-A'54), Circuit Engr., GE Co., Syracuse, N.Y. SCHUMACHER, HAROLD L. (S'53-A'54-M'59), Sr. Engr., Avion Div., ACF Industries, Inc., 11 Park Pl., Paramus, N.J.

- Avion Div., ACF Industries, Inc., 11 Park Pl., Paramus, N.J.
 SCHUMACHER, HARRY W. (A'49), Studio, Field & TV Engr., ABC, 190 N. State St., Chicago 1, III.
 SCHUMACHER, J. HOWARD, JR. (M'57), Staff Engr., Society of Motion Picture & Television Engineers, 55 W. 42 St., New York 36, N.Y.
 SCHUMACHER, JOHN H. (SM'52), Sr. Project Engr., Warwick Mfg. Corp., 7300 N. Lehigh Ave., Chicago 31, III.
 SCHUMACHER, MARVIN W. (A'55), Denver, Iowa.
 SCHUMACHER, MARVIN W. (A'55), Denver, Iowa.
 SCHUMACHER, PETER J., JR. (S'56-M'58), Jr. Engr., AC Spark Plug, 7929 S. Howell Ave., Oak Creek, Wis.
 SCHUMACHER, RICHARD T. (M'56), Microwave Engr., ROA, New Holland Ave., Lancaster, Pa.
 SCHUMACHER, THOMAS J. (S'53-A'55), Tech. Engr., GE Co., A.G.T., Cincinnati 15, Ohio.
 SCHUMACKER, ALLAN L. (A'32-VA'39), Sr. Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.
 SCHUMANN, ALFRED W. (M'58), Research Engr., U.S. Govt., Washington, D.C.
 SCHUMANN, FRED (A'36-M'4D-SM'43), Head, Elec. Engr., Dept., Vanderbilt Univ., Nashville 5, Tenn.
 SCHUMANN, GERALD H. (S'56-M'57), Systems Engr., Communications, RCA. 5501 Wister St., Philadelphia 44, Pa.
- SCHUMANN, LEWIS C. (A'56), Tech. Sect. Head, ITT Labs., Nutley 10, N. J. SCHUMANN, WALTER A. (A'54-M'58), Project Staff Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
- Calif.
 SCHUMER, HENRY A. (M'57), Chlef Engr., Asheville
 Plant, Internati. Resistance Co., Skyland, N.C.
 SCHUNEMANN, CARL F. (M'47-SM'58), Chlef Engr.,
 Electronics Div., Thompson Prods., Inc., 2196 Clarkwood
 Rd., Cleveland 3, Ohio.

- SCHUNK, HENRY F. (4'53-M'59), Plant Mgr., Raytheon Mfg. Co., Newton, Mass. SCHUNNEMAN, ROBERT F. (4'55-M'59), Mem. Tech. Staff, Beli Tel. Labs., Whippany, N.J. SCHUPAK, LEONARD (S'49-A'51-M'56), Sr. Engr., Electronic Engrg. Co., 1601 E. Chesnut Ave., Santa Ana, Callf.
- CAHIP, ARTHUR A., JR. (S'50-A'52-M'57), Research Asst., Engrg. Research Institute, Univ. of Michigan, Ann Arbor, Mich.
- Arbor, Mich.

 SCHUPPKER, HOWARD W. (S'56-M'57), Elec. Testing
 Engr., Wisconsin Electric Power Co., 3721 W. McKinley
 Ave., Milwaukee 8, Wis.

 SCHUR, ROBERT C. (M'56), Project Engr., The Hallicrafters
 Co., 4401 W. 5 Ave., Chicago, III.
 SCHURAK, KENNETH M. (S'49-A'51-M'57), Engr., Admiral
 Corp., 3800 Corland St., Chicago 47, III.
 SCHUREA, ALEXANDER (A'46-M'55), Pres., New York
 Institute of Technology, 500 Pacific St., Brooklyn 17,
 N.Y.

- SCHURR, EDWARD J. (A'58), Frequency Engr., RCA, 60 Broad St., New York, N.Y. SCHUSSELE, JAMES H. (S'48-A'51-M'56), Production Engr., Litton industries, inc., 960 Industrial Rd., San Carlos, Calif.
- SCHUSTER, DANVER (S'57-M'58), Electronics Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.
- Calif.

 SCHUSTER, DAVID (A'53), Equipment Engr., Servo Corp. of America, 2020 Jericho Toke., New Hyde Park, L.I., N.Y. SCHUSTER, DDNALD H. (M'57), Engr., Psychologist, Electronics Personnel Research, Univ. of Southern California, Los Angeles 7, Calif.

 SCHUSTER, HARRY E. (A'41-M'58), Dept. Mgr., Collins Radio Co., Cedar Rapids, lowa.

 SCHUSTER, NICK A. (SM'56), Mgr., Dev. Engrg., Schlumberger Well Surveying Corp., Box 2175, Houston 1, Tex.

- Tex.
 SCHUSTER, NORMAN J. (M'56), Project Engr., Miniaturization Sect. Head, Litton Industries, Inc., 10916 W. Washington Blvd., Culver City, Calif.
 SCHUTT, RUSSELL D., JR. (A'54-M'57), Sr. Quality
 Control Engr., Bendix Aviation, York, Pa.
 SCHUTT, VINCENT L. (S'55-M'57), Maj., USAF, Chief, Rome Alr Dev. Center Test Operations, Electronic & Tech.
 Dev. Div., Hgrs., ARDC, Andrews AFB, Washington 25,
- Dev. Div., Hgrs., Ando., Charles, Project Mechanic, AC D. C.
 SCHUTTEN, HERMAN P. (M'58), Project Mechanic, AC Spark Plug Co., 1925 E. Kenilworth, Milwaukee, Wis. SCHUTTIG, LEDNARD A. (SM'45), Owner, Schuttig-Atlantic, Box 1451, Annapolis, Md. SCHUTZ, DONALD W. (S'58-M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SCHUTZ, GERALD C. (M'46-SM'50), Head, Support Systems Dept., Bendix Systems Div., Box 133, Ann Arbor, Mich.

- SCHUTZ, HARALD (M'41-SM'46), Mgr., Advanced Systems Research, Air Arm Div., Westinghouse Elec. Corp., Baltimore 3, Md.

- Research, Air Arm Div., Westinghouse Elec. Corp., Baltlmore 3, Md.

 SCHUTZ, THEODORE C. (M'57), Engr. on Computer Project. The Rice Institute, Houston, Tex.

 SCHUTZMAN, ELIAS (S'53-A'54), Engr. on Computer Project. The Rice Institute, Houston, Tex.

 SCHUTZMAN, ELIAS (S'53-A'54), Engr. Scientist, New York Univ., University Heights, New York 53, N.Y.

 SCHUYLER, WILLIAM E., JR. (M'45), Partner, Mead, Browne, Schuyler & Beveridge, Patent Lawyers, Munsey Bidg., Washington 4, D.C.

 SCHWAB, ANTHON H. (M'57), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 SCHWAB, BRUCE B. (A'51-M'56), Missile Engr., Douglas Aircraft Co., Lapham & Imperial, El Segundo, Calif.

 SCHWAB, BRUCE B. (M'56), Electronics Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 SCHWAB, DESIDERIO (A'46-M'47), Electronics Engr., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 SCHWAB, WALTER C. (S'55-M'56), Staff Engr., Dunn Engrg. Associates, 225 O'Brien Hwy., Cambridge, Mass. SCHWAB, WILLIAM G. (M'56), Engr., Southeastern Electronic Labs., Umatilla, Fla.

 SCHWAGER, AUSTIN C. (M'56), Mgr., R. R. Sales, Graybar Electric Co., 2045 N. Cornell Rd., Melrose Park, III.

- SCHWAGER, RDBERT A. (S'54-M'56), Engr., HMED, GE Co., Syracuse, N.Y.
 SCHWALBE, JULIAN H. (A'46-M'55), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L. I., N. Y.
 SCHWALBE, MILTON I. (A'49-SM'52), Dir., Professional Services, Veterans Administration Hospital, 408 1st Ave., New York 10, N.Y.
- SCHWALM, CARL M. (S'5D-A'54), Engr., Reliability, Temco Aircraft Corp.; Lecturer, Southern Methodist Univ., Dallas, Tex.
- SCHWALM, WALTER A. (A'37-SM'45), Pres., Schwalm Electronics, Inc., 140 Belle Ave., Highland Park, III. SCHWAN, HERMAN P. (M'53-SM'55-F'59), Prof., Univ. of Pennsylvania, Schools for Elec. Engrg., Philadelphia 4,
- SCHWANDT, WILLIAM (S'57-A'58), 2523 Bostwick,

- SCHWANDT, WILLIAM (S'57-A'58), 2523 Bostwick, Alton, III.
 SCHWANINGER, JOSEPH W. (S'49-A'51-M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SCHWANK, RICHARD T. (A'44), Staff Engr., Proposals & Studies, Collins Radio Co., 2710 W. Olive, Burbank, Calif. SCHWANTES, ROBERT C. (S'49-A'50-M'55), Elec. Engr., Remington Rand Univac, St., Paul 16, Minn.
 SCHWARM, EDWARD G. (SM'56), Project Mgr., Link Aviation, Inc., Binghamton, N.Y.
 SCHWARTZ, ALAN J. (S'55-M'56), Electronics Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.
 SCHWARTZ, ALBERT J. (A'50), Fleid Rep., Sandla Corp., B909 Olympic Blvd., Los Angeles, Calif.
 SCHWARTZ, ALBERT J. (A'50-M'55), Microwave Engr., RCA, Camden, N.J.
 SCHWARTZ, ARTHUR J. (S'50-A'51-M'56), Dev. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.
 SCHWARTZ, BERNARD (S'51-A'52-M'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y., SCHWARTZ, BERNARD (S'51-A'52-M'57), Sr. Engr., Somerville, N.J.

- SCHWARTZ, BERNARD R. (M'56), Resistive Components Consultant, RCA, Defense Electronic Prods., Camden, N.J. SCHWARTZ, BERNARD S. (A'50), Pres., Michigan Electronics, Inc., B54 N. Rockwell St., Chicago 22, III. SCHWARTZ, BERTRAM (M'56), Head, Surface Chemistry Sect., Hughes Prods., Semiconductor Lab., Internati. Airport Sta., Los Angeles 45, Calif. SCHWARTZ, CAROL.J. (S'52-A'53), Sr. Engr., Martin Co., Driando, Fia. SCHWARTZ, CAROL.J. (S'52-A'53), Group Leader, Genl. Precision Lab., Inc., Pleasantville, N.Y. SCHWARTZ, DOUGLAS M. (M'56), Capt., USAF, Electronics Warfare Officer, Directorate Maint. Engrg., Hars. Air Materiel Command, Box 126, Hgrs. AMC, Wright-Patterson AF8. Ohio.

- AF8, Ohio.

 SCHWARTZ, EDMUND I. (S'46-A'48-M'55), Dir. Electronics Lab., Devenco, Inc., 150 Broadway, New York 38, N.Y.

 SCHWARTZ, EDWARD (S'50-A'51-M'56), Prod. Engr.,

 Sylvania Elec. Prods., Inc., Altona, Pa.

 SCHWARTZ, EDWARD (A'48-M'55), 147-25 71 Rd.,

 Kew Garden Hills, Flushing, L.I., N.Y.

 SCHWARTZ, EDWARD C. (A'54), Research Physicist,

 Comeil Aeronautical Lab., Box 255, Buffalo 21, N.Y.

 SCHWARTZ, ERWIN V. (M'55), Tech. Lialson Engr., Hughes

 Aircraft Co., El Segundo, Calif.

 SCHWARTZ, ELIGENE S. (M'55). Research Engr., Armour

- Aircraft Co., El Segundo, Calif.

 SCHWARTZ, EUGENE S. (M'55), Research Engr., Armour
 Research Foundation, 10 W. 35 St., Chicago 16, III.

 SCHWARTZ, EVERETT R. (A'55), Project Engr., Farmsworth
 Electronics Co., 3702 E. Portiac St., Fort Wayne, Ind.

 SCHWARTZ, FREDERICK L. (S'54-M'58), Teaching Asst.,
 MIT, Cambridge 39, Mass.

 SCHWARTZ, HARRY (A'55), Mgr., Specialty Resistor Sales,
 GE Co., Edmore, Mich.

 SCHWARTZ, HARRY H. (S'38-A'39-M'45-SM'57), Pres.,
 Electrodesign, 736 Notre Dame St., W., Montreal 1, P.Q.,
 Canada.

- Canaga.
 SCHWARTZ, HARVIE E., JR. (S'42-A'43-M'54), Engr.,
 CBS-TV, 485 Madison Ave., New York 22, N.Y.
 SCHWARTZ, HERBERT F. (M'58), 2nd Lt., U.S. Army,
 Asst, Project Officer, U.S. Army Signal Engrg. Labs.,
 Data Equipment Branch, Ft. Monmouth, N.J.
- CHWARTZ, HERMAN C. (A'41), Retired, 621 Evanston Circle, Ft. Lauderdale, Fla. SCHWARTZ, HERMAN T. (A'44-M'55), Asst. Chief Engr., Parkchester Machine Corp., 204 Lafayette St., New York,
- SCHWARTZ, HIRSCHEL (S'48-A'52-M'56-SM'58), Chief Engr., T & D Sect., Gudeman Co. of California, Inc., Go-shen, Calif.
- Schwartz, Hyman H. (S'57-M'58), Engr., Dept. of Nati. Defence, Ottawa, Ont., Canada.

 SCHWARTZ, HYMAN H. (S'57-M'58), Engr., Dept. of Nati. Defence, Ottawa, Ont., Canada.

 SCHWARTZ, IRVING (A'53-M'58), Design Leader, Digital Logic Integration Group, RCA, Moorestown, N. J. SCHWARTZ, JACK (S'50-A'53-M'57), Deflection System Engr., Admiral Corp., 3800 W. Cortland, Chicago 47, III. SCHWARTZ, JACB H. (A'52-M'58), Project Engr., Loral Electronics Corp., 825 Bronx River Ave., Bronx 72, N.Y. SCHWARTZ, JAMES R. (S'56-M'57), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif. SCHWARTZ, JAMES W. (S'52-A'53), Dir., Electronic Prods. Research & Dev., Kaiser Electronics, 2222 W. Peoria Ave., Phoenix, Ariz.

- Phoenix, Arlz.

 SCHWARTZ, JEROME (M'57), Project Engr., Channel Master Corp., Ellenville, N.Y.

 SCHWARTZ, JOEL M. (S'57-M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SCHWARTZ, LAWRENCE (M'57), Sr. Prod. Engr., Sperry Electronic Tube Div. of Sperry Rand Corp., Galnesville, Fla.

 SCHWARTZ, LAWRENCE S. (S'56-M'59), Elec. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.
- N.Y.
 SCHWARTZ, LEONARD (S'51-A'53-M'56), Staff Engr.,
 Genl. Precision Lab., Pleasantville, N.Y.
 SCHWARTZ, LEONARD J. (M'53), Dir., Fleld Engrg., Dynamic Electronics, New York, Inc., 87-46 123 St., Richmond Hill, L.I., N.Y.
- mond Hill, L. I., N. Y.

 SCHWARTZ, LEONARD S. (S'42-A'45-SM'47), Project Dir.,
 Elec. Engrg. Dept., New York Univ., University Hgts.,
 Bronx 53, N. Y.

 SCHWARTZ, MARTIN (M'55-SM'57), Principal Weapon
 Systems Analysis Engr., Missile Systems Div., Republic
 Aviation Corp., 223 Jericho Tpke., Mineola, L. I., N. Y.

 SCHWARTZ, MICHAEL J. (A'48-M'54), Sr. Research Engr.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.
 SCHWARTZ, MICHEL E. (S'55-A'57), Electronics Engr.,
 Melpar Electronics, Inc., Falls Church, Va.
 SCHWARTZ, MILTON. I. (A'51), Pres. Natl. Photocolor
- SCHWARTZ, MILTON J. (A'51), Pres., Natl. Photocolor Corp., 225 E. 44 St., New York 17, N.Y. SCHWARTZ, MISCHA (S'46-A'49-M'54-SM'54), Assoc. Prof., Elec. Engre, Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.
- SCHWARTZ, MORTON I. (\$'56-M'57), Engr., ITT Labs., Nutley 10, N. J. SCHWARTZ, NATHAN (SM'58), Physicist, GE Co., Syra-cuse, N. Y.
- cuse, N. Y.

 SCHWARTZ, NOEL F. (S'58-M'59), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohlo.

 SCHWARTZ, NORMAN (M'54), Chief Engr., Southern Electronics Coro., 150 W. Cypress Ave., Burbank, Calif.

 SCHWARTZ, NORMAN (M'58), Test Equipment Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Čalif.

 SCHWARTZ, NORMAN J. (M'56), Chief Engr., Heinemann Electric Co., Trenten 2, N.J.

 SCHWARTZ, OSCAR (S'47-A'50-M'59), Mem. of Bd., Sales & Production Mgr., Televa S.A., Cordoba 2599, Buenos Aires, Argentina.

 SCHWARTZ, OSCAR A. (M'57), Chief Wire Engr., Br...

- Buenos Aires, Argentina.

 SCHWARTZ, OSCAR A. (M'57), Chief Wire Engrg. Br., Communications Div., U. S. Army Signal Missile Support Agency, White Sands Missile Range, N. M.

 SCHWARTZ, PAUL (A!55), Systems Engr., Loral Electronics, B25 Bronx River Ave., Bronx 72, N.Y.

 SCHWARTZ, PERRY (A'47), Test Engr., Arma Corp., Roosevelt Field, L.I.; Proprietor, Perry's Television Radio & Sound Service, 1883 E. 12 St., Brooklyn, N.Y.

 SCHWARTZ, PERRY L. (A'52-M'56), Dev. Engr., ITT Labs., Nutley 10, N.J.

 SCHWARTZ, PERRY L. (M'59). Flectronic Design Face.
- Labs., Nutley 10, N.J.
 SCHWARTZ, PHILIP (M'59), Electronic Design Engr., RCA,
 Camden, N.J.
 SCHWARTZ, RICHARD F. (S'43-A'45-M'53-SM'55), Asst.
 Prof., Moore School of Elec. Engrg., Univ. of Pennsylvania,
 Philadelphia 4, Pa.

SCH-SCO - 369 -

- SCHWARTZ, RICHARD H. (S'56-M'59), Field Engr.,
 Airborne Instrument Lab., Mineola, L.I., N.Y.
 SCHWARTZ, RICHARD J. (S'55-M'58), Research Engr.,
 RCA, Princeton, N.J.,
 SCHWARTZ, ROBERT (S'53-A'54), Electronic Scientist,
 Communication Sect., Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.
 SCHWARTZ, ROBERT J. (S'49-A'51-M'56), Electronics
 Engr., U.S. Govt., Dept. of Defense, Washington 25, D.C.
 SCHWARTZ, ROBERT N. (S'55-A'59), 154 Sanders Rd.,
 Buffalo 23, N.Y.
 SCHWARTZ, ROBERT N. (S'55-A'59), Elec. Engr., Elec-
- SCHWARTZ, ROMOLET N., (S153-M159), Elec. Engr., Electronics Corp. of America, 1 Memorial Dr., Cambridge 42, Mass.
 SCHWARTZ, RONALD E. (S'57-M'57), Test & Dev. Engr., Chrysler Corp., Van Dyke, Warren, Mich.
 SCHWARTZ, SAMUEL (S'52-M'58), Project Mgr., G.M. Glannini & Co., Caldwell, N.J.
 SCHWARTZ, SALU (M'56), Sr. Prod. Engr., Sperry Electronic Tube Div., Gainsville, Fla.
 SCHWARTZ, SEYMOUR (M'53-SM'56), Pres. & Chief Engr., Transistor Applications, Inc., 103 Broad St., Boston 9, Mass.

- SCHWARTZ, SIDNEY L. (S'51-A'53-M'5B), Field Engr., RCA Electron Tube Div., 1154 Merchandise Mart Plaza, Chicago 54, III.
- SCHWARTZ, STANLEY S. (A'55), Physicist, U.S. Govt., Griffiss AFB, N.Y.
- Griffiss AFB, N.Y.
 SCHWARTZ, WALTER J. (M'59), Design Engr., Loral
 Electronics, B25 Bronx River Rd., Bronx 72, N.Y.
 SCHWARTZ, WALTER L. (S'55-M'56) Sr. Engr., Tasker
 Instrument Corp., 3349 Cahuenga Bivd., Hollywood 2B,
 Calif.
- Calif.

 SCHWARTZBERG, HAROLD L. (S'46-A'51-M'53), Group
 Supwr., Govt. & Industrial Div., Philoc Corp., 4700

 Wissahickon Ave., Philadelphia 44, Pa.

 SCHWARTZBERG, IRA G. (S'54-M'58), Elec. Engr., The
 Singer Mfg. Co., 107 Trumbull St., Elizabethport, N.J.

 SCHWARTZMAN, LEON (S'56-M'59), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 SCHWARTZ-LEDED C. GMIST). Sche Suppr. Sandla
- Gyroscope Co., Great Neck, L.I., N.Y.
 SCHWARZ, ALFRED C. (M'57), Sect. Supvr., Sandia
 Corp., Sandia Base, Albuquerque, N.M.
 SCHWARZ, ARNOLD H. (S'56-M'5B), Jr. Engr., StrombergCarlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 SCHWARZ, BERTRAM A. (M'29-SM'43-F'55), Tech. Asst.
 to Genl. Mgr., Delco Radio Div., GMC, 1446 S. Home Ave.,
 Kokomo, Ind.

- Kokomo, Ind.

 SCHWARZ, CHARLES J. (A'42-SM'52), Consulting Engr., 3907 N. 25, St. Louis, Mo.

 SCHWARZ, EDWARD G. (S'54-A'55), Engr., Microwave & Radar, GE Co., Syracuse, N.Y.

 SCHWARZ, FRANCIS C. (S'57-M'58), 87-31 162 St., Jamaica 32, L.I., N.Y.

 SCHWARZ, FRANK (S'50-A'51-M'56), Dev. Engr., Barnes Engrs. Co., 30 Commerce Rd., Stamford, Conn.

 SCHWARZ, GORDON R. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 SCHWARZ, H. F. (A'49-M'55), Mng. Dir., The Decca Navigator Co., Ltd., 247 Burlington Rd., New Maiden, Surrey, England.
- SCHWARZ, HANS G. (A'4B-M'55), Engr., RCA, Camden, N.J.

- N. J.

 SCHWARZ, HENRY E. (S'53-A'55), 1B Alden Ave., Valley Stream, L. I., N. Y.

 SCHWARZ, KATHRYN M. (A'56), Tech. Writer, Natl. Bureau of Standards, Washington 25, D.C.

 SCHWARZ, NORMAN (S'57-M'59), Design & Dev. Engr., RCA, Moorestown, N.J.

 SCHWARZ, RALPH J. (S'43-A'44-M'49-SM'54), Prof., Elec. Engrg.; Dept. Chmn., Columbia Univ., New York 27, N.Y.
- N.Y.

 SCHWARZ, ROBERT M. (SM'57), Project Electronics Engr.,
 McDonnell Aircraft Corp., Box 516, St. Louis 66, Mo.

 SCHWARZENBACH, EARL E. (A'30-VA'39-M'55), Sr.
 Engr., Oak Mfg. Co., 1260 Clybourn Ave., Chicago 10,
 III.

- III.

 SCHWARZKOPF, DANIEL B. (M'56), Staff Mem., Scientific Engra. Institute, 23B Main St., Cambridge 42, Mass.

 SCHWARZLANDER, HARRY (A'53-M'59), Elec. Engr., Genl Electronic Labs., Inc., 1B Ames St., Cambridge 42, Mass. SCHWARZLOSE, PAUL F. (A'43-M'46-SM'5B), Assoc. Prof., Univ. of Illinois, Urbana, III.

 SCHWARZMANN, WAREN A. (A'46-SM'56), Avionics Sect. Chief, No. Amer. Aviation, Downey, Calif.

 SCHWARZSCHILD, BERT (S'48-A'51), V.P., Western Div., The Decker Corp., 3522 Geary Bivd., San Francisco 1B, Calif.

- 1B, Calif.

 SCHWEBER, SEYMOUR C. (A'53), Mgr., Schweber Electronics, 60 Herricks Rd., Mineola, L. I., N.Y.

 SCHWEDOCK, BERNARD (S'50-A'51-M'5B), Dev. Engr., GE Co., Schenectady, N.Y.

 SCHWEERS, OTTO H. (SM'54), Project Engr., Television Receiver Dept., GE Co., Syracuse, N.Y.

 SCHWEIKERT, WILLIAM R. (M'56), Plant Mgr., Natl. Union Electric Corp., 1201 E. Bell, Bloomington, III.

 SCHWEIMER, KLAUS P. (A'50-M'55), Ingeniero Consultor, Argentina.

 SCHWEIMER, KLAUS P. (A'50-M'55), Ingeniero Consultor, Argentina.
- SCHWEISBERG, EMANUEL (M'58), Publications Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. SCHWEISS, WALTER W. (M'51), Professional Engr., Air-borne Communications Div., RCA, Camden, N.J.

- borne Communications Div., RCA, Camden, N.J.

 SCHWEITZ, EDWIN P. (5'52-A'54-M'59), Sr. Project
 Engr., Norden Div., United Aircraft Corp., 121 Westmoreland Ave., White Plains, N.Y.

 SCHWEITZER, AUSTIN J. (A'57), Sales, L. G.
 White & Co., Inc., B416 Georgia Ave., Sliver Spring, Md.

 SCHWEITZER, M. PETER (A'55), Secy-Treas., Peter J.

 SCHWEITZER, M. PETER (A'55), Secy-Treas., Peter J.

 SCHWEITZER, ROBERT W. (S'55-M'56), Jr. Engr.,

 Philoc Corp., Church Rd., Lansdale, Pa.

 SCHWEITZER, EARL G. (A'46-M'47), Condr., USN, District
 Supply Officer, 17th Naval District, Kodlak, Alaska, FPO
 #127.
- #127.
 SCHWEMIN, ARNOLD J. (A'44), Electronics Engr., Univ. of California Radiation Lab., Berkeley, Calif.
 SCHWENDER, LEONARD D. (M'57), Sr. Engr., Material Engr. Sect., Sylvania Elec. Prods., Emporlum, Pa.
 SCHWENK, HAROLD R. (M'56), Engr., Sperty Gyroscope Co., Great Neck, L.I., N.Y.

- SCHWENKER, JOHN E. (S'52-A'53-M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. SCHWENKER, RUDOLPH B. (M'57), Design Group Engr., Convair, Pomona, Calif.
- SCHWENKER, RUDULPH B. (M'5 //), Design Group Engr.,
 CONVAIR, Pomona, Calif.
 SCHWENNESEN, ADSER B. (M'48), Project Engr., Wright
 Air Development Center, Wright-Patterson AFB, Ohio.
 SCHWENNESEN, DONALD O. (A'43-M'55), V.P., Magnetic
 Metals Co., Hayes Ave. at 21 St., Camden 1, N.J.
 SCHWENTER, GEORGE E. (A'55), Lt. Cmdr., USN,
 Avionics Officer, NAS, Pensacola, A/C Maint. Dept.,
 NAS, Pensacola, Fla.

- NAS, Pensacola, Fla.
 SCHWENZFEGER, EDWARD E. (A'55), Bell Tel. Labs.,
 463 West St., New York 14, N.Y.
 SCHWEPE, FRED C. (S'55-M'59), MIT Lincoln Lab.,
 Lexington 73, Mass.
 SCHWERHA, JOHN A. (S'57-M'59), Design Engr., Transformers & Related Items, Chicago Standard Transformer
 Corp., Ceramic Ave., Zanesville, Ohlo.
- COP., Ceramic Ave., Zaresvire, Johns.
 SCHWERIN, FRNEST B. (SM*53), Pres., E.B. Schwerin
 Co., 4210 Main St., Kansas City 11. Mo.
 SCHWERIN, PAUL (M*31-SM*43), Dir., Engrg., Schwerin
 Research Corp., 270 Madison Ave., New York, N.Y.
 SCHWERIN, ROBERT L. (SM*57), Mgr., Relfability & Quality Control, Emerson Radio & Phonograph Corp., 14 & Cole
 Sts., Jersey City 2, N.J.
- Sts., Jersey City 2, N. J.

 SCHWERTFEGER, ALVIN W. (S'56-A'5B), Electronics Specialist, U.S. Dept. of Commerce, FAA, Hutchinson. Kan.

 SCHWERTZ, FREDERICK A. (M'56), Mgr., Physics of Materials Dept., Haloid Xerox, Inc., 754 Lake Ave., Rochester 13, N.Y.
- Rochester 13, N.Y.

 SCHWETMAN, HERBERT D. 0M'47-SM'49), Chmn., Dept. of Physics, Baylor Univ., Waco, Tex.; Consultant, Physics, 3221 Cumberland St., Waco, Tex.

 SCWDETZKY, WALTER H. (A'52-M'57), Chief Electronic Scientist, Convair, San Diego, Calif.

 SCHWIEBERT, HENRY (A'50-M'58), Chief Engr., Teletronics Lab., Inc., 54 Kinkel St., Westbuy, L.I., N.Y.

 SCHWINDT, ALPHONSE J. (M'58), Engr., WestInghouse Elec. Corp., Susquehanna St., Pittsburgh B. Pa.

 SCHWINGHAMER, ROBERT J. (M'57), Aeronautical Research Engr., Army Ballistic Missile Agency, Huntsville, Ala.

 SCHWINT, KENNETH F. (A'52), Industrial Engr., Amperex

- Engr., Army Ballistic Missile Agency, Huntsville, Ala. SCHWINT, KENNETH F. (A*52), Industrial Engr., Amperex Electronic Corp., 230 Duffy Ave., Hicksville, J. I., N. Y. SCHWITTEK, ELMER W. (A*52-M*57), Asst. Chief Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- 9, N.Y.

 SCHWITZGEBEL, WILLIAM C. (M'56), Electronics Systems
 Mngt., Det. 1, Hgrs. AIR Research & Dev. Command, WrightPatterson AFB, Ohio.

 SCHY, STUART T. (A'55), Mem. Tech. Staff, ThompsonRamo-Wooldridge Prod. Co., 5500 W. El Segundo Bivd.,
 Los Angeles, Calif.

 COMMANDA JEEPT M. (SISA-MISS), Decion From Sciaky.

- Ramo-Wooldridge Prod. Co., 5500 W. EI Segundo Bivd., Los Angeles, Callí.

 SCIAKY, ALBERT M. (S'54-M'55), Design Engr., Sclaky Bros., Inc., 4915 W. 67 St., Chicago 3B. III.

 SCIAKY, ALBERT M. (S'54-M'55), Design Engr., Sclaky Bros., Inc., 4915 W. 67 St., Chicago 3B. III.

 SCIALFA, JOSEPH (A'59), Publications Writer, U. S. Army Signal Publications Agency, Ft. Monmouth, N. J.

 SCIALFA, JOSEPH (A'59), Publications Writer, U. S. Army Signal Publications Agency, Ft. Monmouth, N. J.

 SCIALFA, JOSEPH (A'59), Publications Witer, U. S. Army Signal Publications Agency, Ft. Monmouth, N. J.

 SCIBILIA, WILLIAM R. (S'56-M'5B), Engr., Vitro Labs., 14000 Georgia Ave., Silver Sirning, Md.

 SCIDMORE, ALLAN K. (S'53-M'56), Asst. Prof., Univ. of Wisconsin, Elec. Engrg., Madison, Wis.

 SCIOMORE, DON L. (S'49-A'50-M'52), Research Engr., Boeing Airplanc Co., Seattle 22, Wash.

 SCIECIENNY, JANUSZ (S'54-M'55), Staff Mem., MIT Instrumentation Lab., Cambridge 39, Mass.

 SCIFO, PETER A. (S'5B-A'59), Jr. Technician, Amprex Electronics Corp., 330 Outry Ave., Hicksville, L.I., N. Y. SCILLIAN, GLENN L. (M'53-SM'53), Research Suprv., Power Supply Branch 330, Diamond Ordnance Fuze Labs., Washington 25, D. C.

 SCINTO, LAWRENCE L. (S'56-A'57), Field Engr., Martin Co., Johnado. Fla
- rower Supply Branch 330, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 SCINTO, LAWRENCE L. (S'56-A'57), Field Engr., Martin Co., Orlando, Fla.

 SCIORRA, ALBERT F. (S'4B-A'50-M'55), Staff Engr., Columbia Univ., Engre. Center, Electronics Research Labs., 632 W. 125 St., New York 27, N.Y.

 SCIRE, FRANK J. (M'59), Sr. Engr., W. L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

 SCISM, WILLIAM A. (SM'5B), Assoc. Sect. P' ad, Genl. Precision Labs., Pleasantville, N.Y.

 SCIURLI, JOSEPH E. (S'57-M'5B), Field Engr., (Instr.), Western Electric Co., Lexington, Mass.

 SCIURBA, JACK L. (M'59), Engr., Motorola, Inc., 4545 W. Augusta Bivd., Chicago, Ill.

 SCLAR, NATHAN (SM'5B), Project Engr., A.B., OuMont Labs., Inc., 2 Main Ave., Passaic, N.J.

 SCOFFONE, REMO G. (S'49-A'51-M'56), Project Engr., The System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.

 SCOFFONE, REMO G. (S'49-A'51-M'56), Project Engr., The System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.

 SCOFFONE, REMO G. (S'49-A'51-M'56), Project Engr., The System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.

- The System Development of the System Development of the System Development of the State St
- Regulator Co., 1915 Armacost Ave., Los Angeles, Calif. SCORDATO, MICHAEL (A'51), Research Electronics Engrg. Test Technician, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SCOSKIE, A. TAYLOR (A'55), Design Engr., Yardney Labs., Inc., 50 Leonard St., New York, N.Y.
 SCOTCH, CARMINE (A'52), Instrumentation Engr., Douglas Aircraft Co., Sacrahémio, Calif.
 SCOTNEY, JOHN H. (M'46), V.P., Installation & Service Mgr., High Voltage Engrs. Corp., Burlington, Mass.
 SCOTT, ALBERT J. (S'51-A'54), Staff Engr., Collins Radio Co., Cedar Rapids, Jowa.
 SCOTT, ALLAN W. (M'57), Mem. Tech. Staff, Research Lab., Hughes Aircraft Co., Culver City, Calif.
 SCOTT, ALLAN W. (M'57), Engr., Sylvania Elec. Prods., Inc., Needham 94, Mass.
 SCOTT, ARATUS R'. (A'35), Inspector, Rock Island Arsenal, Rock Island, III.

- SCOTT, ARTHUR E. (\$'50-A'52-M'57), Dev. Engr., IBM, Poughkeepsie, N.Y.
- Poughkeepsie, N.Y.
 SCOTT, ARTHUR L. (A'52), V.P. & Genl. Mgr., Columbia
 Prods. Co., 6625 Shakespeare Rd., Columbia, S.C.
 SCOTT, CHARLES H., JR., (A'53-M'59), Engr., Minneapolis-Honeywell Regulator Co., 707 W. Grange St.,
 Philadelphia 20, Pa.
- Philadelphia 20, Pa.

 SCOTT, CLARENCE B. (A'52-M'57), Geophysical Sect. Head, Internall. Petroleum (Columbia) Co., Ltd., Apartado Aereo 3533, Bogota, Columbia, South America.

 SCOTT, CLARENCE V. (5'49-A'51-M'58), Research Engr., Boeing Airplane Co., Seattle, Wash.

 SCOTT, CLAUDE R. (M'56), Chief Engr., KTBS-TV, 312 E. Kings hwy., Shreveport, La.

 SCOTT, CLAYS (A'58), TV Transmitter Engr., WITN-TV, North Carolina Television, Inc., Washington, N. C.

 SCOTT, CLAYTON R. (A'44), Supry. Central Office Foreman, Bell Tel. Co. of Canada, 240 McIntyre St., W., North Bay, Ont., Canada.

 SCOTT, DALE H. (SM'59), Principal Staff Engr., Martin Co., Baltimore, Md.

 SCOTT, DAVID G. (S'\$5-M'\$9), Ensign, USN, Naval Re-

- CO., Baltimore, Md.
 SCOTT, DAVID G. (5'55-M'59), Ensign, USN, Naval Reactors Div., Reactor Development, U.S.A.E.C., Washington 25, D.C.
 SCOTT, DEAN P. (M'58), Chief Engr., Defense Prods.
 Engrg., Detroit Div., Burroughs Corp., 6071 2nd St.,
 Detroit 22, Mich.
- SCOTT, DELOSS E. (A'49), Research Engr., Continental Aviation & Engrg. Research, 1500 Algonquin St., Detroit,
- Mich.

 SCOTT, DONALD C. (S'56-M'5B), Sperry Microwave Electronic Co., Box 1B2B, Clearwater, Fla.

 SCOTT, DONALD M. (A'54), Sr. Engr., Westinghouse Elec. Corp., Box 1B77, Baltimore 3, Md.

 SCOTT, DUNCAN A. (A'56), Owner, Duncan A. Scott & Co., Mills Bldg., San Francisco, Calif.

 SCOTT, DUNCAN A. (A'46), Sales Engr., P. R. Mallory Co., inc., 545 Cedar Lane, Teaneck, N.J.

 SCOTT, EARL D. (S'32-A'34-SM'46), Engr., Tektronix, Inc., Box B31, Portland 7, Ore.

 SCOTT, EDWARD C. (A'52-M'57), Physicist, Rome Air Development Center, Griffics AFB, N.Y.

 SCOTT, ERLE W. (A'5B), Electronics Engr., Martin Co., Orlando, Fla.

 SCOTT, ERNEST P. (A'45-M'56), Pres., Scott & Steffen,

- Orlando, Fla.
 SCOTT, ERNEST P. (A'45-M'56), Pres., Scott & Steffen, Inc., 1B36 Euclid Ave., Cleveland 15, Ohlo.
 SCOTT, FREDERICK I., JR. (M'56), Dev. Engr., Chemical, RCA, Harrison, N.J.
 SCOTT, GEORGE, (A'47), Mfrs', Rep., 6 Stuart Dr., W., Glen Cove, L.I., N.Y.

- Glen Cove, L.I., N.Y.

 SCOTT, GEORGE H. (A'44-SM'50), Sr. Engr., Bendix Aviatino Corp., Box 1159, Kansas City 41, Mo.

 SCOTT, GEORGE R. (M'45), Systems Electronics Engr., Bludworth Marine Div., Kearfott Co., 1500 Main Ave., Clifton, N.J.
- SCOTT, GEORGE W., JR. (SM'49), Genl. Mgr., Physical Research, Armstrong Cork Co., Lancaster, Pa. SCOTT, GERALD C. (S'54-M'56), Electronics Officer, Co. A, 10th Drd. Bn., APO 1B9, New York, N. Y. SCOTT, GLENN L. (M'57), Assoc. Engr., IBM, Endicott, N.Y.

- N.Y.
 SCOTT, HENRY O. (A'54), Engr., Tektronix, Inc., Box B31, Portland 7, Ore.
 SCOTT, HERBERT J. (A'19-M'42-SM'43), Prof., Elec. Engra., Univ. of California, Berkeley 4, Calif.
 SCOTT, HERMON H. (M'35-SM'43-F'52), Pres., Dir., Engra., Hermon Hosmer Scott, Inc., 111 Powdermill Rd., Maynard, Mass.
- Maynard, Mass,

 SCOTT, HOWARD R. (M'5B), Plant Service Supyr., Michigan Bell Tel. Co., 309 S. Washington, Saginaw, Michigan Bell Tel. Co., 309 S. Washington, Saginaw, Michigan Telectronics Lab., Hughes Aircraft Co., Culver City, Calif. SCOTT., J. KENNETH. (5'50-A'52-M'57), Project E 1917, Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md. SCOTT., JAMES C. (5'75-M'5B), Research Engr., American Machine & Foundry, 2404 E. Grant Rd., Tucson, Ariz. SCOTT., JAMES C. W. (M'47-F'57), Chief Supt., Telecommunications Est., Defence Research Board, Ottawa, Ont., Canada.
- SCOTT, JAMES E. (SM'53), Supvy. Electronics Engr., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.
- AFB, Ohio.

 SCOTT, JAMES H. (M'54), Elec. Engr., Sandla Corp., Sandla Base, Albuquerque, N.M.

 SCOTT, JAMES V. (A'52-M'56), Engr., Ferranti-Packard Electric, Ltd., Industry Rd., Toronto 15, Ont., Canada.

 SCOTT, JOHN C. (S'57-M'59), 314 Harvard S.E., Albuquerque, N.M.

 SCOTT, JOHN E. (A'53-M'59), Sr. Engr., Sperry Gyroscope Co., Great Neck, L. I., N.Y.

 SCOTT, JOHN E. JR. (A'43-M'45), 3927 3rd Ave., San Diego 3, Calif.

 SCOTT. JOHN W. (M'57). Field Engr. Sperry Gyroscope

- SCOTT, JOHN E., JR. (A'43-M'45), 3927 3rd Ave., San Diego 3, Calif.

 SCOTT, JOHN W. (M'57), Field Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SCOTT, KENNETH J. (S'53-M'56), Engr., GE Co., HMED, Syracuse 6, N.Y.

 SCOTT, LESLIE E. (M'57), Elec. Project Engr., Delco Radio Div., GMC, Kokomo, Ind.

 SCOTT, LEWIS D. (S'55-A'56), TV Engr., Peoples Broadcasting Co., KVTV, Douglas St., Sioux City, Iowa.

 SCOTT, LEWIS D. (S'55-A'56), TV Engr., Peoples Broadcasting Co., KVTV, Douglas St., Sioux City, Iowa.

 SCOTT, LOWELL W. (M'53), Engr., Beckman Berkeley Div., 2200 Wright Ave., Richmond, Calif.

 SCOTT, NEILL B. (S'49-A'50), Engr., Beckman Berkeley Div., 2200 Wright Ave., Richmond, Calif.

 SCOTT, NORMAN R. (SM'46), Prof., Elec. Engrg. Dept., Univ. of Michigan, Ann Arbor, Mich.

 SCOTT, PEARL A. (M'57), In Chg., Organizing Electronic School, California Air College Div., Central Tech., Institute, 6472 Santa Monica Blvd., Hollywood, Calif.

 SCOTT, PHILLIP R., JR. (M'58), Sr. Fner., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 SCOTT, RAYMOND (A'53), Owner-Pres., Universal Record
 IND Col. Med. 257 St. Man. 2004 Del. M.

- Camoen B. N. J.
 SCOTT, RAYMOND (A'53), Owner-Pres., Universal Recording Co., Inc., 140 W. 57 St., New York 19, N. Y.
 SCOTT, REGINALD H. (M'38-SM'43), Mng. Dir., Compania Internacional de Radio S. A., Balcarce 226, Buenos Aires, Argentina,

- SCOTT, RICHARD (SM'54), Sr. Assoc., J. Edgar Dion & Co., Ltd., 4350 Sherbrooke St., W., Montreal 6. P. D.
- CONTY, RICHARD C. (S'47-A'52-SM'57), Engr., GE Co., 735 State St., Santa Barbara, Calif. SCOTT, RICHARD G. (A'48-M'58), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5730 Arbor Vitae, Los Angeles 45, Calif.
- SCOTT, RICHARD M. (SM'58), Electronics Engr., Natl. Aviation Facility Experimental Center, Atlantic City, N.J. SCOTT, RICHARD P. (S'57-M'58), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.
- SCOTT, RICHARD P. (S'157-M'58), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.

 SCOTT, ROBERT E. (M'58), Graduate Research Asst., Univ. of Michigan, Box 2008, Ann Arbor, Mich.

 SCOTT, ROBERT J. (S'152-A'55), Prod. Engr., Bird Electronic Coro., 30303 Aurora Rd., Solon, Ohio.

 SCOTT, ROBERT M. (A'47-M'55), Chief, COMSEC Sect. Communications Branch, Research & Dev. Div., OCSIGO, Dept. of Army, Pentagon Bidg., Washington 25, D.C.

 SCOTT, ROBERT N. (M'59), Asst. Prof., Elec. Engrg., Univ. of New Brumswick, Fredericton, N. B., Canada.

 SCOTT, ROBERT N. (A'50-M'55), Prof., Northeastern Univ., Boston 15, Mass.

 SCOTT, RUSSELL C. (A'58), White Alice Technician, Federal Electric Coro., Box 153, Anchorage, Alaska.

 SCOTT, STUART D. (A'53), Maj., USAF, ARDC, WADC Area B, Box B373, Wright-Patterson AFB, Ohio.

 SCOTT, SYDNEY R. (S'157-M'58), Prof., Northeastern Univ., Box 16373, Wright-Patterson AFB, Ohio.

 SCOTT, TERRENCE R. (S'157-M'158), 2nd Lt., U.S. Army, Communications Officer, Ft. Campbell, Ky.

 SCOTT, THOMAS G. (M'59), Jr. Engr., Westinghouse Elec. Corp., 700 Braddock Ave., East Pittsburgh, Pa.

 SCOTT, THOMAS M. (A'54), Instr., Univ. of Wisconsin, Madden, Wisc

- COTT, THOMAS M. (A'54), Instr., Univ. of Wisconsin, Madison, Wis.
 SCOTT, VICTOR J., JR. (A'48-M'54), Supvy. Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- Cincinnati 25, Ohio.

 SCOTT, WALTER A. (S'55-M'58), Assoc. Engr., Raytheon Mfg. Co., Wayland, Mass.

 SCOTT, WALTER H., JR. (S'50-A'52-M'57), 555 Gayley Ave., Los Angeles 24, Calif.

 SCOTT, WILLIAM F. (S'51-A'52-M'57), Engr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif.

- inc., 808 Western Ave., Glendale 1, Calif.
 SCOTT, WILLIAM G. (M'56), Elec. Engr., Melpar, Inc.,
 3000 Arlington, Falls Church, Va.
 SCOTT, WILLIAM S. (A'53-M'59), Engr., Packard Instrument Co., Box 428, La Grange, Ill.
 SCOTT, WINSTON W., JR. (S'57-M'59), Electronics Scientist, Natl. Bureau of Standards, Boulder Labs., Boulder,
 Colo.
- Colo.

 COTTEN, ERNEST C. (A'56), Radio Technician, Dept. of Transcort, Federal Bidg., Edmonton, Alta., Canada.

 SCOUTEN, DONALD C. (S'56-M'59), Instr., Elec. Engrg., Oklahoma State Univ., Stillwater, Okla.

 SCOVILL, J. M. (A'48-M'54), Sr. Engr., Pacific Telephone & Telegraph Co., 1200 3rd Ave., Seattle 1, Wash. SCOVILLE, MERRITTE. (SM'52), Mgr., Engrg., Capacitor Dept., GE Co., Hudson Falls, N.Y.

 SCOVILLE, MERRITTE. (SM'52), Mgr., Vector Electronic Co., 1100 Flower St., Glendale 1, Calif.

 SCRAFFORD, ROBERT L. (A'49-M'55), Group Leader, Research Lab., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

- Ariz.

 SCRANTON, WILLARD A. (M'56), Electronics Engr.,
 Sandia Corp., Sandia Base, Albuquerque, N.M.

 SCRANTON, WILLIAM J. (S'58-M'59), Test Engr.,
 Sikorsky Aircraft, N. Main St., Svartford, Conn.

 SCRIBNER, NEAL (S'55-M'57), Electronic Design Engr.,
 Wilcox Electric Co., 1400 Chestnut St., Kansac City, Mo.

 SCRIEVERS, BRUCE J. (A'47), Chief Engr., Mgr., Insul-B.
 Corp., Electronics Div., 1369 Industrial Rd., San Carlos,
 Calif.

- Corp., Electronics DIV., 1549 Industrial Rd., San Carlos, Calif.

 SCRIPTURE, FLOYD R. (A'51-SM'56), Systems Analyst, ITEK Corp., 223 Crescent St., Waltham 54, Mass.

 SCRIVNER, JOE H. (SM'59), Specialist, System Design Standards, GE Co., Syracuse, N., "Strong Communications Engro. Co., 204 E. Rio Grande St., Victoria, Tex.

 SCROGGINS, CHARLES M. (A'43-M'53), District Mgr., Communications Engro. Co., 204 E. Rio Grande St., Victoria, Tex.

 SCROGGINS, EUGENE B. (M'58), Engr., Industrial Instrumentation Div., Texas Instruments, Inc., 3609 Buffalo Speedway, Houston 6, Tex.

 SCUDNEY, BURTON V. (S'55-M'58), Elec. Engr., Sylvania Elec. Prods., Inc., 189 8 St., Needham, Mass.

 SCUITTO, THOMAS J. (S'49-A'51-M'58), Engr., Electronic Control Systems, Inc., 2138 Westwood Bivd., Los Angeles, Calif.

- Angeles, Calif.

 SCULL, EDWARD W. (S'56-A'58), Tech. Asst., Western Electric Co., Laureldale, Pa.

 SCULL, ROBERT C. (A'54), Electronics Engr., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va.

 SCULL, WILLIAM E., JR. (M'50-SM'56), TV Design Engr., RCA, Camden 8, N.J.

 SCULLEY, GEORGE A., JR. (M'55), Design Engr., IBM, Endicott, N.Y.
- Endicott, N.Y.

 Endicott, N.Y.

 SCULLIN, CARL H. (M'53), Design Engr., Electronics
 Tube Div., Westinghouse Elec Corp., Elmira, N.Y.

 SCULLIN, GEORGE M. (M'57), Sr. Techniclan, Telonic
 Engrg. Corp., 773 Broadway, Laguna Beach, Calif.

 SCULLY, JOHN F. (SM'57), Group Leader, Digital Systems,
 Vitro Labs., 200 Pleasant Valley Way, West Orange, N. J.

 SCURICINI, GIOVANNI B. (A'57), 1st Lt. of Italian Air
 Forces, Ministero Difesa Aeronautica, V-Div., ITAV,
 Rome, Italy.
- SCURLOCK, JOHN T. (M'57), Communication Engr., Texas Eastern, Shreveport, La. SCYOCURKA, STEPHEN (A'57), Treeland Dr., Framingham, Mass.

- Mass.
 SCZEPANSKI, JOHN R. (S'57-M'59), Elec. Engr., Link
 Aviation, Inc., Binghamton, N.Y.
 SEABAUGH, DAVIS A. (A'47-M'54), Sr. Electronics Engr.,
 Convair-Astronautics, San Diego, Calif.
 SEABERG, IVAN (A'55), Electronics Engr., Sun Oil Co.,
 Beatmont, Tex.
- SEABERT, FORD (A'40), Dwight, III. SEABROOK, HERBERT B. (A'39-M'45), Sales Mgr., RCA Victor Co., Ltd., 2076 Rupert St., Vancouver, B.C., Canada.

- SEABURY, EDWIN S. (A'58), Exec. V.P., Radio Frequency Labs., Inc., Boonton, N.J. SEADER, LEONARD D. (S'51-A'53-M'57), Project Engr., Granger Associates, 966 Commercial St., Palo Alto, Calif. SEADLER, STEPHEN E. (A'58), Assoc. Dir. & Genl. Mgr., The Medimetric Institute, 130 E.59 St., New York 22, N.Y.

- The Medimetric Institute, 150 E. 59 St., New York 22, N. Y.

 SEAL, PHILIP M. (A'41-SM'50), Assoc. Prof., Elec. Engra., Norwich Univ., Northfield, Vt.

 SEALE, EDWARD G. (A'56), Teacher, Radio Subjects, College of Technology, Kevin St., Dublin, Ireland.

 SEALE, IDAN A. (S'54-M'57), Design Engr., Convair, Ft. Worth, Tex.

 SEALS, RYAN B. (M'55), Project Engr., Collins Radio Co., 1937 Irving Bivd., Dallas, Tex.

 SEAMAN, DONALD L. (S'56-M'57), Design Engr., ITT Labs., 37D2 E. Pontiac St., Ft. Wayne, Ind.

 SEAMAN, E. ALVIN (S'54-A'54), Scientific Officer, Defence Research Telecommunications Est., Communications Lab., Shirley Bay, Ottawa, Ont., Canada.
- Each J., Shirley Bay, Ottawa, Ont., Canada.

 SEAMAN, ELLSWORTHF. (SM'56), Standardization Planning
 Engr., U.S. Dept. of Navy, Bureau of Ships, 18 St. & Constitution Ave., Washington, D.C.

 SEAMAN, HENRY K. (S'56-M'58), 5043 Santa Monica
 Ave., San Diego 7, Calif.
- SEAMAN, PHILIP H. (S'56-M'59), Assoc. Engr., IBM, Poughkeepsie. N. V.
- POUGMREEDSIE, M.T.
 SEAMAN, WILLIAM E. (M'55), Chief Engr., Instrumentation
 Div., Ampex Corp., 934 Charter St., Redwood City, Calif.
 SEAMANS, JAMES O. (4'48-M'55), Tech. Dir., Sparrow
 III Missile, Raytheon Mfg. Co., Bedford, Mass.
- SEAMANS, ROBERT C., JR. (SM'56), Chief Engr., Missile Electronics & Controls Dept., RCA, Box 588, Burlington, Mass.
- SEAMER, CHARLES W. (S'50-A'52-M'57), Project Engr., The Ralph M. Parsons Co., 157 S. DeLacy, Pasadena,
- Cail'.
 SEANOR, JOSEPH C., JR. (S'56-M'58), Staff Asst., AT&T Co., Long Lines, Hurt Bldg., Atlanta, Ga.
 SEAR, ARTHUR W. (A'30-M'42-5M'43), Project Supvr., Minneapolis-Honeywell Regulator Co., 1/24 S. Mountain Ave., Duarte, Calif.

- Ave., Duarte, Calif.

 SEAR, ERIC F. (A'56-M'58), Regional Engr., (North & South America), Sterling Cables (America), Ltd., 8007 Empire State Bldg., New York, N.Y.

 SEAR, HUBERT S. (A'49), Radiologist, Peter Bent Brigham Hospital, 721 Huntington Ave., Boston, Mass.

 SEARBY, NORMAN H. (SM'45), Mar., Wythenshawe Labs., Ferranti, Ltd., Shadowmoss Rd., Wythenshaw, Manchester, England.
- England.

 SEARCH, ROBERT W. (S'47-A'50-M'58), Sr. Publications Engr., Sperry Gymoscope Co., Great Neck, L.I., N.Y.

 SEARCY, CLAUD E. (A'54-M'55), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 SEARCY, JOEL 8. (S'57-M'58), Engr., Instrumentation Lab., MIT, Cambridge 39, Mass.

 SEARCY, JOHN H. (A'55), Staff Engr., Radiation, Inc., Melbourne. Fia.

- Melbourne, Fla.

 SEARL, EUGENE P. (M'56), Jr. Engr., Collins Radio
 Co., Cedar Rapids, Jowa.

 SEARLE, CAMPBELL L. (S'46-A'48-M'55), Asst. Prof.,
 MIT, Cambridge 39, Mass.

 SEARLE, LIONEL M. (M'50), V.P., Automotive Div.,
 Philoc Corn., 263 Livernois, Femdale 20, Mich.

 SEARLE, PARKER C. (M'57), Sr. Experimental Engr.,
 Pratt & Whitney Co., Main St., East Hartford 8, Conn.

 SEARLE, RAYMOND W. (A'46), Pres. & Treas., Technology
 Instrument Corp., 531 Main St., Acton, Mass.

 SEARLE, WALTER M. (S'48-A'51). Defence Scientific
- INSTRUMENT LOTP., 551 Main St., Acton, Mass.
 SEARLE, WALTER M. (S'48-A'51), Defence Scientific
 Service Officer, Defence Research Bd., Elgin St., Ottawa,
 Ont., Canada.
 SEARLES, CLIFFORD B. (S'53-A'55-M'57), Sr. Project
 Engr., Sperry Electronic Tube Div., Box 548, Gainesville,
 Els.

- Fla.
 SEARS, CHARLES B. (A'46-M'55), 8us. Mgr., Hamilton
 College, Clinton, N.Y.
 SEARS, DANIEL (S'49-A'51-M'56), Chief, Radar Engrg.
 Br., San Antonio GEEIA, Kelly AFB, Tex.
 SEARS, HAROLD A. (A'46-M'51), Pres., Hall-Sears, Inc.,
 2424 Branard St., Houston 6, Tex.
 SEARS, JAMES F. (M'48-SM'50), Mgr., Projects, GE
 Co., Box 535, Santa Barbara, Calif.
 SEARS, NORMAN E., JR. (S'51-A'53-M'58), Staff,
 Instrumentation Lab., MIT, Cambridge 39, Mass.
 SEARS, PHILIP R. (A'41-M'45), Chief Applications Engr..
- Instrumentation Lab., MIT, Cambridge 39, Mass. SEARS, PHILIP R. (4'11-M'45), Chief Applications Engr., Genl. Instrument Corp., 65 Gouverneur St., Newark, N.J. SEARS, RAYMOND A. (5'53-A'54), Avionics Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y. SEARS, RAYMOND W. (A'39-SM'47), Electron Device Dev. Engr., Bell Tel. Labs., Murray HIII, N.J. SEARS, ROBERT A. (M'57), Elec. Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo, N.Y. SEARS, ROBERT E. (M'59), Asst. Mgr., Launchers & Power Plants Dett., Guided Missile Labs., Hughes Aircraft Co., Culver City, Calif.

- Culver City, Calif.
 SEASHORE, CHARLES R. (M'57), Electronics Engr.,
 Missile Electronics Labs., Div-OML, Bldg. 5429,
 Redstone Arsenal, Ala.
 SEATON, ARTHUR F. (A'49), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.
 SEATON, GLENN (A'50), Instr., Natl. Radio & TV School,
 4404 Euclid Ave., Cleveland, Dhio; Prop., Electronic Instrument Service Co., 10023 Madison Ave., Cleveland 2, Ohio.
 SEATON, JOHN W. (A'42-M'48), Chief, Systems Feasibility
 Branch, Diamond Ordnance Fuze Labs., Washington 25, D.C.
 SEATS, PETER (A'54), Mgr., Research & Dev. Div...
- Drauch, Diamond Ordnance Fuze Labs., Washington 25, I SEATS, PETER (A/54), Mgr., Research & Dev. Dlv., Thomas Electronics, Inc., 118 9 St., Passaic, N.J. SEAVER, GORDON E. (M/52), Radio Engr., Internati. Broadcasting Service, Box R, APO 239, San Francisco, Calif.
- Calif.

 SEAVER, WILLIAM H. (S'50-A'52-M'56), Project Engr.,
 Advance Industries, 640 Memorial Dr., Cambridge 39, Mass.

 SEAVEY, ROBERT W. (S'50-A'51-M'56), Staff Mem.,
 Sandia Corp., Sandia Base, Albuquerque, N.M.

 SEAWARD, PAUL E. (S'46-A'49-M'54), Elec. Engr.,
 Poulter Labs., Stanford Research Institute, Menio Park,
 Calif.
- SEAWELL, WILLIAM N. (M'55), Engr., GE Co., 3198 Chestnut, Philadelphia 4, Pa. SEAY, C. FRANK, JR. (SM'52), Mgr., Tech. Information Services, Central Research Labs., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

- SEAY, PERRY A. (S'42-A'45-M'55), Dir., Quality Assurance Div., Reeves Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y. SEAY, ROBERT T. (A'57), Professional Engr., RCA, Cam-den 1, N.J.

- SEAY, ROBERT T. (A'57), Professional Engr., RCA, Camden 1, N. J.

 SEAY, WALDO B. (S'56-M'57), Engr., Raytheon Mfg.
 Co., Maynard, Mass.

 SEBASKY, GENE M. (M'55), Tech. Engr., IBM, c/o Lincoln Labs., MIT, Lexington 73, Mass.

 SEBASTIAN, ROBERT W. (A'54), Pres., Alco-Tron Mfg.
 Co., 9212 Grand Ave., Franklin Park, III.

 SEBSSTA, JAMES R. (S'56-M'57), Design Engr., Collins
 Radio Co., 1200 N. Alma Rd., Richardson, Tex.

 SEBESTYEN, GEORGE S. (M'55), Sr. Research Engr.,
 Melpar, Inc., 43 Leon St., Boston, Mass.

 SEBRING, PAUL B. (M'46), Group Leader, Millstone Radar
 Sta., MiT, Lincoln Labs., Box 276, North Chelmsford,
 Mass.
- Mass.
 SEBULSKY, EDWARD (A'58), Radio Technician, Royal
 Canadian Mounted Police, North Battleford, Sask., Canada.
 SECARD, EDWIN L. (S'49-A'50-M'56), Data Processing
 Mgr., Argonaut Insurance Co., 250 Middlefield Rd., Menlo
 Park, Calif.
- Park, Calif.

 SECCOMBE, WILLIAM T. (A'34-VA'39-SM'57), 7708

 Lake View Dr., Falls Church, Va.

 SECHRIST, CHALMERS F., JR. (S'51-A'53-M'5B), Sr.

 Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 SECHRIST, WILBUR S. (A'58), Lead Electronics Technician, Reeves Hoffman Div., 145 Cherry St., Carlssle, Pa.

 SECKEL, JEROME P. (M'56), Elec. Engr., Fairchild

 Guided Missiles Div., Straight Path, Wyandanch, L.I.,

 N.Y.

- N.Y.
 SECKINGER, WILLIAM C. (A'57), Asst. Supvr., Test
 Equipment Dept., Ryan Aeronautical Co., 2750 Lomita
 Blvd., Torrance, Calif.
 SECKLER, HOWARD N. (S'46-A'50-M'55), Mem. Tech.
 Staff, Beil Teil. Labs., Whippany, N.J.
 SECKLER, PAUL J. A. (S'49-A'51-M'58), Project Engr.,
 American Bosch Arma Corp., Garden City, L.I., N.Y.
 SECOR, BARRY K. (M'56), Engr. & Data Reduction Supvr.,
 Bendix Aviation Corp., 400 S. Beiger St., Mishawaka,
 Ind.
- SECORD, ALLEN H. (S'46-A'50-M'55), Project Engr. Sinclair Radio Labs., Ltd., 70 Sheffield St., Toronto 15, Ont., Canada

- Ont., Canada,

 SECRETAN, FRANK (S'50-A'53-M'58), Electronics Engr.,
 Collins Radio Co., 2700 W. Olive, Burbank, Calif.

 SEDA, LUIS E. (A'59), 136-45 41 Ave., Flushing 55,
 L.1., N.Y.

 SEDA, O.L. (A'58), V. P. & Genl. Mgr., Chmm. of Bd.,
 Ferro Dynamics Corp., Gregg St. & Rite 17, Lodi, N.J.

 SEDACA, JOE M. (A'58), Mgr., Audio Div., Ad. Auriema,
 Inc., 85 Broad St., New York 4, N.Y.

 SEDDON, J. CARL. (A'41-SM'53-F'58), Consultant, Nat!.
 Aeronautics & Space Administration, 4555 Overlook Ave.,
 S. W., Washington 25, D. C.

 SEDIK, JOSEPH J. (S'50-A'51-M'56), Communications
 Prod. Mgr., Raytheon Mfg. Co., Waltham 54, Mass.

 SEDILLO, JOHN N. (S'57-A'58), Electronics Missile Field
 Technician, Douglas Aircraft Co., White Sands Proving
 Ground, N.M..

 SEDIN, JAMES W. (S'53-A'57), Instr., Univ. of Minnesota.
- SEDIN, JAMES W. (S'53-A'57), Instr., Univ. of Minnesota, Minneapolis, Minn.
- SEDLACEK, WILLIAM C. (M'50), Dept. Head, Lockheed Missile System Div., Box 504, Sunnyvale, Calif. SEDLACK, BEN F. (A'54), Sandia Corp., Sandia Base, Albuquerque, N.M.
- AlDuquerque, N.M.

 SEDLAK, LEON J. (A'57), Instr., Radio Engrg. Institute, 2610 Leavenworth, Omaha 5, Neb.

 SEDLOR, ROBERT J. (S'57-M'57), Project Engr., Sperry Utah Engrg. Lab., 322 N. 21, W., Salt Lake City, Utah. SEDMAN, TIMOTHY M. (A'58), Instr., Warrenton Training Center, Warrenton, Va.
- SEDMIDUSSKY, ZDENEK (M'57), Sr. Research Engr., Institute of Mathematical Machines, Sladkova 4, Prague 7, Czechoslovakia
- Czechosłovakia
 SEE, CHARLES J. (A'55), Mgr., Sound Merchandising,
 RCA, Camden, N. J.
 SEE, WALTER E. (A'57), Acoustical Engr., Delco Radio
 Div., GMC, Kokomo, Ind.
 SEEBERGER, LOUIS M. (S'45-A'47-SM'53), Mgr.,
 Visual Data Handling, Missile & Surface Radar Engrg.,
 RCA, Moorestown, N. J.
 SEED, RICHARD G. (M'55), Genl. Mgr., Semicon, Inc.,
 258 East St., Lexington 73, Mass.
 SEEGER, CHARLES L., III (A'45), Mem. Staff, Leiden
 University Observatory, Leiden, Z. H., Holland.
 SEEGER, JOHN A. (S'58-M'59), Physicist, Naval Ord-

- SEEGER, JOHN A. (S'58-M'59), Physicist, Naval Ord-nance Test Sta., China Lake, Calif SEEHAWER, JACK E. (M'59), Elec. Engr., Tech. Writer, Automatic Electric Co., Northiake, III. SEEL, MARTIN (A'55), Owner, Martin Seel Home Auto Radio & Television Repairs, 960 Summit Ave., Jersey City 7, N. J.

- City 7, N. J.

 SEELBACH, WALTER C. (M'56), Staff Engr., Research, 18M, Ossining, N. Y.

 SEELEN, HARRY R. (A'42-SM'49), Kinescope Operations Mgr., RCA, New Holland Pike, Lancaster, Pa.

 SEELEY, EDWARD S. (SM'46), Central Engrg. Dir., Altec Lansing corp., 1515 S. Manchester Ave., Anaheim, Calif. SEELEY, EDWIN M. (A'55), Sr. Elec, Design Engr., Southern California Co-operative Wind Tunnel, 950 S. Raymond, Pasadena, Calif. (STG-4'55), Head. RE. Components.
- SEELEY, ELWIN W. (S'50-A'55), Head, RF Components Branch, Research Dept., Naval Ordnance Lab., Corona, Calif.
- SEELEY, PAUL E. (A'56), Engr., RCA, Burlington, Mass. SEELEY, RALPH M., JR. (S'52-A'53-M'58), Research Assoc., Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa.
- SEELEY, STUART W. (M'40-SM'43-F'43), Administra-tion Microwave Communication Projects, RCA, 30 Rocke-feller Plaza, New York 20, N.Y.
- SEELEY, WILLIAM M., JR. (S'51-A'52), Switchman, Pacific Telephone & Telephone Co. 434 S. Grand Ave., Los Angeles, Calif.
- SEELIG, GERARD (M'52-SM'57), Project Mgr., RCA, Moorestown, N. J.

- SEELIG, KENNETH V. (S'52-A'53), Engr., CBS, 485
 Madison Ave., New York, N. Y.
 SEELY, EARL E. (M'57), Project Engr., Fischer & Porter,
 Hatboro, Pa.
 SEELY, SAMUEL (A'39-SM'45-F'55), Prof. & Head,
 Elec. Engrg. Dept., Case Institute of Technology, University Circle, Cleveland 6, Ohio.
 SEER, HAROLD G. (S'51-A'52-M'57), Alrborne Fire
 Control Engr., RCA, Camden, N. J.
 SEERGY, CHARLES M. (S'51-A'52-M'57), Dev. Engr.,
 Process & Testing Equipment, RCA, Harrison, N. J.
 SEES, JOHN H. (A'46-M'55), Electronics Engr., Bell Tel.
 Labs., Burlington, N. C.
 SEESTEDT, HENRY C. (S'46-A'49-M'54-SM'56), Group
 Engr., System Test, Martin Co., Denver, Colo.
 SEETOO, THOMAS F. (S'53-A'55-M'58), Computer Engr.,
 RCA, Camden 8, N. J.
 SEEWALD, E. CHESTER (A'48-M'55), Electronic Scientist
- SEEWALD, E. CHESTER (A'48-M'55), Electronic Scientist, Ballistic Measurements Lab., Ballistic Research Labs., Aberdeen Proving Ground, Md.

- Ballistic Measurements Lab., Ballistic Research Labs., Aberdeen Proving Ground, Md.

 SEEWALD, ENREST J. (S'43-A'45-M'51), Sr. Electronics Engr., Fairchild Guided Missile Div., Wyandanch, L.I., N.Y. SEFCIK, MiCHAEL J. (A'57-M'58), Chief Maint. Operator, Detroit Police Radio, Detroit, Mich.

 SEFERHAN, RICHARD K. (M'56), Sr. Engr., Atomics Internati. Div., No. Amer. Aviation, Canoga Park, Calif.

 SEFTON, MARNE B., JR. (4'52-M'57), Sr. Electronics Engr., Martin Co., Baltimore 2, Md.

 SEFTON, WAYNE E. (S'48-A'49-M'55), Programming Coordinator, Engr., Lockheed Aircraft Corp., Burbank, Calif.

 SEGAL, ARTHUR A. (M'52), Project Engr., The Hallicrafer's, Inc., 4401. 5 Ave., Chicago, Ill.

 SEGAL, BERNARD (S'40-A'42-M'53), District Rep., Lear, Inc., Westchester County Airport, White Plains, N.Y.

 SEGAL, BERNARD (S'57-M'58), Jr. Engr., Canadar, Ltd., Ville St. Laurent, P. Q., Canada.

 SECAL, BERNARD (S'57-M'57), Electronics Engr., FCC, 13 & Pennsylvania Ave., Washington, D.C.

 SEGAL, CARL M. (A'56), Sales Engr., Hughes Prod., Box 2'78, Newport Beach, Calif.

 SEGAL, JAY B., (A'52), Human Factors Engr., 1821 Schenectady Ave., Brooklyn, N.Y.

 SEGAL, MARTIN (S'55-M'57), Engr., Electronics, Martin Co., Baltimore 3, Md.

 SEGAL, POBERT E. (M'57), Fig., Electronics Engr., Packard-Bell Electronics, 12333 Olympic Blvd., Los Angeles 64, Calif.

 SEGAL, ROBERT E. (M'57), Engr., Engr., Packard-Bell Electronics, 12333 Olympic Blvd., Los Angeles 64, Calif.

 SEGAL, ROBERT J. (M'46-SM'59), Engr., Sec. Mgr., Phileo Corp., Cov. & Industrial Div., 4700 Wissahlckon

- SEGAL, ROBERT J. (M¹46-SM¹59), Engro. Sect. Mgr., Philoo Corp., Govt. & Industrial Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- Ave., Philadelphia 44, Pa.
 SEGAL, ROBERT L. (A'51-M'57), Supvy. Electronics
 Eng., Naval Ordnance Lab., Silver Spring, Md.
 SEGAL, SUMNER (A'54-M'58), Dev. Engr., Microwav.
 Associates, 200 South Ave., Burlington, Mass.
 SEGALE, RICHARD O. (M'56), Design Engr., GE Co.,
 Svracuse 6. N V , Microwave
- SECALL, RICHARD U. (M'59), Dev. Engr., Wiscour, Syracuse 6, N.Y.

 SECALL, ROGER P. (M'59), Dev. Engr., Wheeler Lab., Inc., 122 Cutter MII Rd., Great Neck, L.I., N.Y.

 SECALDV, ELLI (A'54), Research Engr., Ministry of Defence, Scientific Dept., Box 7063, Tel-Aviv, Israel.

 SECARRA, JOSEPH (A'57), Radio & TV Technician, Joe's Radio & TV Service, 40 Sterling St., Franklin, N.J.
- SEGARS, LEWIS K. (S'56-M'57), Jr. Fleid Engr., Schlumberger Well Surveying Corp., 5000 Gulf Freeway, Houston, Tex.
- SEGE, THOMAS D. (A'51-MT53), Engrg. Dept. Head, Electronics Tube Div., Sperry Gyroscope Co., Great Neck, L. I., N. Y.
- SEGEL, DONALD L. (A¹53), Sr. Computer Engr., Systems Development Corp., 2500 Colorado Ave., Santa Monica, Calif.
- Calif.
 SEGEL, HENRY P., (A'46), Treas., Genl. Mgr., Henry P.
 Segel Co., Inc., 386 Washington St., Brookline 46, Mass.
 SEGEN, S., ALBERT (A'54), Natl. Aviation Facilities
 Experimental Center, Atlantic City, N.J.
 SEGERS, RICHARD G. (M'56), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.
 SEGERSTROM, CARL A., JR. (A'43-SM'48), Asst. Chief,
 Lincoln Project Office, Air Force Cambridge Research
 Center, Bedford, Mass.
- SEGESMAN, FRANCIS F. (A'51-M'56), Research Engr., Schlumberger Well Surveying Corp., Old Quarry Rd., Ridge-field, Conn.
- SEGGERUCH, RICHARD L. (S'58-A'58), Electronics Technician, Thomas Electronics, Inc., 118 9 St., Passaic, N.J.
 SEGNER, SAMUEL M. (S'50-A'51-M'58), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 SEGNER, ANTINE C. (SIE4 MEG.)

- Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 SEGOTA, ANTON S. (S¹54-M¹59), Assoc. Engr., Sperry Cyroscope Co., Great Neck, L.I., N.Y.

 SEGREST, BENJAMIN C. (M¹56), Radio Engr., C.G. Glasscock Drilling Co., 1601 Wilson Tower, Corpus Christi, Tex. SEGRETO, ANTHONY J. (A¹52-M¹57), Electronics Engr., USN, New York Naval Shipyard, Brooklyn I. N.Y.

 SEHNERT; PAUL J. (S¹47-A¹49-M¹55), Chief, Data Communications Branch, FTFSB, Alf Force Flight Test Center, Edwards AFB, Callf.

 SEIB, WILLIAM D. (A¹58), Electronics Dev. Engr., Goodyear Alroraft Corp., 1210 Massillon Rd., Akron 15, Oñio.

 SEIBEL, HENRY (M¹57), Electronics Engr., Signal Sect., Hørs., 4th U.S. Army, Ft. Sam Houston, Tex.

 SEIBEL, ROBERT C. (M¹51), Prof., Elec. Engr., Montana State College, Bozeman, Mont.

 SEIBERLICH, JOSEPH S. (M¹54), Supvy. Engr., Martin Co., Baltimore 3, Md.

 SEIBERT; CHARLES B. (A¹41-M¹52), Prof., Elec. Engrg., Wert Virginis Univ., Morgantown, W. Va.

 SEIBERT, JONN L. (3³2-VA¹39-SM¹52), Facilities Administration, NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 SEIBOLD, JOSEPH M. (S¹56-M¹57), Electronics Scientist, GS-9, U.S. Naval Ordnance Test Sta., China Lake, Callf. SEICHTER, KenneTH. (S¹54-Af55), Prod. Dev. Engr., Crosley Div., Avco Mfg. Co., Arlington St., Cincinnati 29, Oñio.
- SEID, EUGENE (A'49-M'55), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.

- SEID, HOWARD R. (S'48-A'49-M'55), Elec. Engr., Mobile District, Corps of Engrs., U.S. Army, 2301 Grant St., Mobile, Ala.
- SEIDE, JOHN H. (M'34), Chief Engr., North Platte Television, Inc., KNOP-TV, North Platte, Neb.
- vision, inc., kNOP-TV, North Platte, Neb.
 SEIDE, LEONARD M. (A'56), Program Chief, Fairchild
 Graphic Equipment Co., Fairchild Dr., Plainview, L.1., N.Y.
 SEIDEL, HAROLD (A'47-M'55), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.
 SEIDEL, ROBERT A. (S'55-M'57), Ultrasonics Design &
 Dev. Engr., Westinghouse Elec. Corp. Materials Engr.,
 Metallurgical Application K-90, East Pittsburgh, Pa.
- Metallurgical Application K-90, East Pittsburgh, Pa. SEIDEMAN, IRVING M. (S'42-A'42-M'55), Engr., RCA, AEP, Princeton, N.J. SEIDEMAN, SAMPSON (M'57), Project Officer, Electronic Countermeasure Techniques, Rome Air Development Center, Rome, N.Y.
- Rome, N.Y.

 SEIDEN, NORBERT. (S'57-M'59), Jr. Engr., ITT Labs.,
 Nutley 10, N.J.

 SEIDL, RAYMOND H. (A'59), Engrg. Alde "A", Westinghouse
 Elec. Corp., Friendship Internati. Alroort, Baltimore 27, Md.

 SEIDLER, RELMUT G. (A'56), Radio Engr., Ford Motor
 Co. of Canada, Ltd., Windsor, Ont., Canada.

 SEIDLER, ROBERT L. (S'45-A'49-M'55), Mgr., Primary

 8attery Div., The Carbone Corp., Myrtle Ave., Boonton,
 N.J.
- SEIDLER, SANFORD W. (S'47-A'49-M'55), Sr. Project Engr., CBS Labs. Div., CBS System, High Ridge Rd., Engr., CBS Lab Stamford, Conn.
- Stamford, Conn.

 SEIDMAN, ARTHUR H. (S'49-A'52-M'56-SM'59), Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SEIDMAN, HERBERT A. (A'55-M'58), Electronics Engr.,
 Genl. Precision Labs., Pleasantville, N.Y.

 SEIDMAN, JAY J. (M'54-SM'58), Project Engr., Space
 Technology Labs., Inc., Box 95001, Los Angeles 45,
 Calif.
- Cair.
 SEIDMAN, STANLEY M. (S'43-A'46-M'55), District
 Plant Engr., Ohio Bell Tel. Co., 20820 Kinsman St.
 Cleveland 22, Ohio.
- SEIDNER, ORVILLE R. (A'46-M'55), Asst. Patent Counsel, The Garrett Corp., 9851 Sepulveda Blvd., Los Angeles 45, Calif.
- Angeles 4-), Calli.
 SEIDON, ARNOLD (A:54-M'55), Electronics Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SEIELSTAD, HAROLD D. (A'28-SM'44), Cart., USCG,
 Electronics Engrg. Officer, 9 C.G. District, Cleveland,
- Ohio.
 SEIF, ERIC (S152-A153-M158), Dev. Engr., Burroughs
 Corp., Paoli, Pa.
 SEIFERT, FRED F. (A142-M145), Lt. Col., USAF, Hors.,
 USAF-AFOAT-1, Tempo X Bidg., Washington 25, D.C.
 SEIFERT, RICHARD E. (M158), Mgr., Sales Planning &
 Administration, Semiconductor Div., Raytheon Mfg. Co.,
 Needham Heights 94, Mass.
 SEIFERT, WILLIAM W. (S14D-A142-SM153), Assoc.
 Prof., Elec. Engrg., MIT, Cambridge 39, Mass.
 SEIGLE, ROBERT K. (S141-A144-M149), Project Engr.,
 Aerojet-Genl. Corp., Azusa, Calif.
 SEILO. FDMIND (M157). Electropics Engr., Dlamond Ord-

- Aerojet-Genl. Corp., Azusa, Calif.

 SEIJO, EDMUND (M*57), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 SEIKE, HELMUT K. (M*58), Dev. Engr., Kaiser Aircraft
 & Electronics, Box 437, Toledo 1, Ohio.

 SEILER, NORMAN C. (S*55-M*57), Engr., Sperry Rand
 Corp., Clearwater, Fil.

 SEILER, RALPH C. (A*44-SM*54), Sales Mgr., Industrial
 Div., Triad Transformer Corp., 4055 Redwood Ave.,
 Venice, Calif.
- Venice, Calif.
 SEILER, RICHARD T. (S'56-A'57), Test Equipment
 Designer, LMED, GE Co., Utica, N.Y.
 SEILS, HARRY A. (A'220-VA'39-M'52), TV Technician,
 WCC0-TV Midwest Radio-Television, Inc., 50 S. 9 St.,
 Minneapolis 22, Minn.
 SEILSTAD, NORMAN D. (S'56-M'59), Box 28, Eltopla,

- Wash.
 SEIMES, MARVIN S. (A'41), Chief Engr., Radio Stas.
 WKIP & WGNY, Box 889, Poughkeepsle, N. Y.
 SEISLER, MAURICE (S'49-A'49-M'55), Sr. Project Engr.,
 Bullova Research & Development Lab., 62-10 Woodside Ave.,
 Woodside 77, L.I., N. Y.
 SEITNED LOCK F. QUESS No. 7-7-7-7-7-7-7-7-7-7-7
- Woodside 77, L.I., N.Y.

 SEITNER, JACK E. (M'58), Dev. Engr., Electro-Mechanical Research, Inc., Box 3041, Sarasota, Fla.

 SEITZ, FRANK A. (J'29-A'32-VA'39), V.P., Mng. Dir., Westchester Broadcasting Corp., WFAS & WFAS-FM, Box 711, White Plains, N.Y.

 SEITZ, FRANK R. (A'37-VA'39), Engr., Chg. Transmitters, KNXT (CBS), 1313 N. Vine St., Hollywood 28, Calif.
- Calli.
 SEITZ, HENRY J. (A*59), Supvr., Columbia Broadcasting System, 485 Madison Ave., New York, N.Y.
 SEITZ, STANLEY S. (A*51-M*56), Coordinator, Mfg. Engrg., Amercian Electronics, Inc., 1025 W. 7 St., Los Angeles, Calif.
- SEIXAS, ADRIEN D. (A'53), Geophysics Research Buyer, Humble Oil & Refining Co., Box 2180, Houston 1, Tex.

- Tex.

 SEIY, MERLE E. (SM'57), Project Engr., Magnavox, 2131
 Bueter Rd., Ft. Wayne, Ind.

 SEKELJ, PAUL (SM'56), Asst. Prof., Physiology, McGill
 Univ., Montreal, P. Q., Canada.

 SEKI, HIDEO (A'52-SM'57), Dir., Tech. Labs., Iwasaki
 Tsushinki Co., 2-710 Kugayama, Suginamiku, Tokyo,
 Japan.

 SEKI, TAMEO (SMIEA) December 1
- Japan.
 SEKI, TAKEO (SM'56), Deputy Chief-in-Chg., Research & Dev., Elec. Communication Lab., 1551 Kichijoki Musashino-shi, Tokyo, Japan.
 SEKIGUCHI, TADASHI (SM'58), Asst. Prof., The Faculty of Engrg., Univ. of Tokyo, Bunkyo-ku, Tokyo, Japan.
 SEKIMOTTO-PINILLOS, ROBERTO A. (M'55), Sr. Engr., Chief Elec. Sect., Internati. Petroleum Co., Ltd., Talara, Peru, South America.
- CETU, JOURNAL ROBERT S. (A'42), Mgr., Real Estate
 Dept., RCA Communications, Inc., 66 Broad St., New
 York 4, N.Y.
- ELBMANN, RUDOLPH W. (S'44-A'48-M'55), Chief Engr., Blonder-Tongue Labs., Inc., 9 Alling St., Newark, N.J.
- SELBY, ARNOLD R. (M¹57), Electronics Systems Engr. (Elec. Staff), Republic Aviation Corp., Farmingdale, L.I., N.Y. SELBY, DONALD F. (S'56-M'57), H & S Co., H & S Bn., 1st F.S.R., Camp Pendleton, Calif.

- SELBY, EUGENE O. (A'28-VA'39-M'55), Administrator, Tech. Projects Coordination, RCA, Camden, N.J. SELBY, HENRY A. (A'48), Electronics Engr., FAA, Washington 25, D.C.
- SELBY, MYRON C. (SM'46), Chief, High Frequency Elec. Standards Sect., Natl. Bureau of Standards Labs., Boulder, Colo.
- SELBY, SYDNEY L. (A'55), Electronics Technician, Civil
- SELBY, SYDNEY L. (4757), Electronics i edinicially Service, Chincoteague, Va.
 SELDEEN, DONALD J. (S155-M157), 18550 Ploneer
 Bivd., Artesia, Calif.
 SELDEN, NORMAN (S155-M157), Engr., ITT Labs.,
 Nutley 10, N.J.
- NULLEY 1U, N.J.
 SELDITZ, NORMAN (M'57), Project Engr., Bendix Aircraft Corp., 11600 Sherman Way, North Hollywood, Calif.
 SELDNER, KURT (S'49-A'51-M'56), Research Engr., Thompson Prods., Inc., 2196 Clarkwood Rd., Cleveland 3, Ohio.
- SELDON, CHARLES (M'57), Production Engr., Custom & Boonton Electronics Corp., 738 Speedwell Ave., Morris Plains, N.J.
- SELDON, MARTIN M. (S'50-A'53-M'57), Engro. Rep., Link Aviation, Inc., 7046 Hollywood Blvd., Hollywood 28,
- Callf.
 SCHIPER, HAROLD (S'49-A'50-M'55), Dev. Engr.,
 ITT Labs., Nutley 10, N.J.
 SELENIUS, ONNI E. (S'57-M'59), Tech. Rep., Customer
 Engrg. Lialson, Electronics Div., Curliss-Wright Corp.,
 Carlstadt, N.J.
- Carlstadt, N. J.

 SELENO, ANDREW A. (A'53-M'58), Systems & Control Components Group Supvr., Vickers, Inc., Administrative & Engrg. Center, Detroit 22, Mich.

 SELEY, ELDON L. (S'55-M'57), 12 Miko Rd., Nixon, N. J.

 SELF, CHARLES T. (A'54), Electronics Technician, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 SELF, FINIS J. (M'56), Electronics Engr., U. S. Ordnance Corps, Redstone Arsenal, Ala.

 SELF, GORDON L. (S'56-M'58), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 SELFRIDGE, JAMES J. (A'55), Dev. Engr., IBM, Kingston, N.Y.

- N.Y.
 SELIG, THOMAS R. (M'55), Advanced Design Engr., GE
 Co., Syracuse, N.Y.
 SELIGER, VICTOR H. (S'47-A'50-M'54-SM'57), Engrg.
 Dept. Head, Ford Instrument Co., 31-10 Thomson Ave.,
 Long Island City 1, N.Y.
- Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15, Mass.
- SELIGSOHN, ISAAC (A'58), Sr. Tech. Writer, System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.
- SELIGSON, ARNOLD L. (M'58), Sr. Project Supvr., Consumers Union of United States, 256 Washington St., Mt. Vernon, N.Y.
- Vermon, N.Y.

 SELIKSON, BERNARD (A'54), Dir., Solid State Labs., 520 5 Ave., New York, N.Y.

 SELIN, BENGT A. (M'58), Electronics Engr., GE Co., Syracuse, N.Y.

 SELINKY, IMPLE 1. (CER. ACC.)
- SELINSKY, JOHN J. (S'51-A'52-M'57), Project Engr., Philico Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- SELLAK, ANTHONY A. (S'53-A'54), Engr., Phillips Electronics Ind., Ltd., 116 Vanderhoof Ave., Toronto 17, Ont., Canada.
- SELKIRK, WILLIAM J. (M'59), Electronics Engr., Missile Systems Div., Republic Aviation Corp., Mineola, L.I., N.Y.
- N.Y.
 SELL, DANIEL D. (S'50-A'52-M'57), Elec. Engr.,
 California institute of Technology, 1201 E. California St.,
 Pasadena, Calif.
 SELL, ROBERT L. (S'47-A'49-M'55-SM'59), Dir.,
 Engra. & Sales, Telex, Inc., 1633 Eustis St.,
 St. Paul, Minn.
- SELL, WENDELL 8. (S'49-A'50-SM'52), V.P. & Genl. Mgr., Marquardt Aircraft Co., 2709 N. Garey Ave., Pomona, Calif.
- Mgr., Marquardt Aircraft Co., 2709 N. Garey Ave., Pomona, Calif. SELLARS, EMIL A. (A'47-SM'58), Engrg. Mgr., WBTW (TV), Jefferson Standard Broadcasting Co., Florence, S.C. SELLARS, ROBERT F. (A'49-M'55), Capt., USN, Commanding Officer, U. S. Naval Ordnance Test Unit, Air Force Missile Test Center, Patrick AFB, Fla. SELLECK, ROBERT S. (S'43-A'45-M'52), Engr., Hughes Aircraft Co., Culver City, Calif. SELLER, DEXTER E. (A'53), Elec. Dev. Engr., Motorofa, Inc., 4'501 W. Augusta, Chicago, III. SELLERS, ERNES T. E. (SM'58), Head, MTI Radar Group. Univ. of Michigan Research Institute, Ann Arbor, Mich. SELLERS, G. W. (S'43-A'45-M'50-SM'58), Dev. Engr. Collins Radio Co., Cedar Rapids, Iowa. SELLERS, GABE A., JR. ('54), Mem. Tech. Staff, Bell Tel. Labs., Whitpamy, N. J. SELLERS, JOHN D. (M'58), Envry. Mgr., RCA Service Co., Missile Test Project, Patrick AFB, Fla. SELLINGER, STANLEY (S'57-M'58), Elec. Engr., Norden Lab., Commerce Rd., Stamfford, Conn. SENICK, LESTER L. (S'51-A'53), 733 2nd T. T. gp., Box P-9, APO 191, New York, N. Y. SELSTED, WALTER T. (SM'53), Dir., Research, Ampex Corn., 9'34 Charter St., Redwood City. Calif.

- SELSTED, WALTER T. (SM'53), Dir., Research Ampex Corp., 934 Charter St., Redwood City, Calif., SELTZER, LESTER J. (A'53), Sr. Staff Engr., Systems Technology, Inc., 1630 Centinela Ave., Inglewood 3, Calif.
- Caur.

 SELVAGGIO, NICHOLAS J. (A'53-M'58), Engr., Sperry
 Gyroscope, Inc., Carle Place, L.I., N.Y.

 SELVAGGIO, VINCENT F. (A'58), Electronics Technician,
 Page Communications Engrs., Inc., 710 14 St., N.W.,
 Washington, D.C.
- SELVIDGE, HARNER (A'31-M'40-SM'43-F'58), Staff Engr., Bendix Avlation Corp., 117 E. Providencia, Burbank, Calif.
- Burbank, Calif. St55-M'56), Research Engr., California Institute of Technology, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena 3, Calif. SEMAN, ANDREW E. (S'52-A'53-M'58), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. SEMBER, WILLIAM J. (S'53-M'56), Commercial Engr., Sylvania Electronic Tubes, Emporlum, Pa.

- SEMBERA, FRANKIE J. (M'57), Radio Operator & Technician, City of Houston Police Dept., 61 Reisner, Houston 2, Tex.
- SEMEL, DAVIO (A'52-M'58), Sr. Systems Engr., Systems Development Corp., 2500 Colorado Ave., Santa Monica,
- Calif.

 SEMENHUK, MICHAEL H. (A'48), Electronic Engr., Harris Intertype Corp., 4510 E.71 St., Cleveland 5, Ohio.

 SEMENIUK, BORIS G. (S'56-M'57), Field Engr., Hughes Aircraft Co., Culver City, Calif.

 SEMER, MORTIMER (M'59), Unit Head, Inertial Guidance Lab., Kearfott Co., Inc., 561 McBride Ave., Little Falls, N.J.

- N.J.
 SEMKOW, JOSEPH W. (A'56), Mgr. & Sales Engr., Sanders Associates, Inc., Nashua, N.H.
 SEMMELHAACK, CARL F. (M'59), Electronics Engr., Loral Electronics Corp., 825 Bronx River Ave., Bronx 72, N.Y.
- SEMMELHACK, HENRY P. (S'57-M'59), Administrative Officer, U.S. Naval Mobile Construction Bn., FPO, New York, N.Y.
- York, N.Y.

 SEMMELINK, ADELBERT (A'45-SM'56), Engr., McPhar Geophysics Co., 139 Bond Ave., Oon Mills, Ont., Canada. SEMMER, JOSEPH W. (S'57-M'59), Mem. Tech. Staff, Research Dept., Genl. Telephone Labs., Inc., Box 17, Northlake, III.
- normare, III.

 SEMMES, DOUGLAS R. (A'55), Physicist, Saranosa OII
 Corp., 1440 Milam Bidg., San Antonio, Tex.
 SEMON, WARREN L. (A'55-SM'58), Lecturer on Applied
 Mathematics, Harvard Univ., Cambridge 38, Mass.
 SEMPLE, CHARLES E. C. (S'58-M'58), Engr., AllenBradley Canada, Ltd., 135 Dundas St., Galt, Ont.,
 Canada.
- SEMPLE, ERNEST R. (S'53-M'55), Systems Engr., Canadair, Ltd., Special Weapons, Box 6087, Montreal, P.Q., Canada.
- P. U., Vanaga. SEM-SANDBERG, SVERRE (A'53-M'56), Research Engr., The Royal Norweglan Council for Scientific & Industrial Research, Central Institute for Industrial Research, Blindern,

- Ine Royal Norweglan Council for Scientific & Industrial Research, Central Institute for Industrial Research, Central Institute for Industrial Research, Blindern, Oslo. Norwav.

 SEN, HARI K. (SM'55), Physicist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

 SEN, KALYAN K. (M'55), Founder, Principal, School of Radio Engrg., Patna-Gaya Rd., Patna 1, India.

 SEN, SACHINDRA M. (A'43-M'49), College of Engrg., Baroda, India.

 SEN, WILLIAM J. (SM'46), Tech. Dir., Directorate of Systems Mngt., Det. **1, Hars., Air Research Development Command, USAF, Wright-Patterson AFB, Ohio.

 SENATOR, ROBERT S. (S'52-A'55), Mgr., Data Processing Dept., IEC, Box 285, Paramus, N. J.

 SENAUKE, ALEXANDER (M'28-SM'43), 1101 Stillwater Dr., Miami Beach, Fla.

 SENCE, RICHARO L. (S'56-A'58), Electronics Technician, Western Electric Co., Burlington, N. C.

 SENCENBAUGH, OONALD W. (S'47-A'49-M'55), Cmdr., USN, USS SAINT PAUL (CA 73), FPO, San Francisco, Calif.

 SENOLER, NORMAN J. (A'57). Administrator, Project
- Calif.

 SENDLER, NORMAN J. (A'57), Administrator, Project Control Dext., Burroughs Corp., MFSO, Radnor, Pa. SENDZUK, GEORGE T. (M'56), Digital Computer Engr., GE Co., Schenectady, N.Y.

 SENECAL, THEODORE L. (M'49-SM'53), Staff Engr., Flight Control Lab., Wright-Patterson AFB, Ohio.

 SENESAC, OONALD E. (S'56-M'59), Asst. Engr., Raytheon Mfg. Co., Oxnard, Calif.

 SENF, GEORGE A. (A'53), Components Sect. Suppr., Telemeter Magnetics, Inc., 2245 Porkius Ave., Los Angeles, Calif.

 SENF, HENRY R. (A'38-SM'46), Electronics Engr., Hug. SENF, HENRY R. (A'38-SM'46).

- Angeles, Calif.

 SENF, HENRY R. (A'38-SM'46), Electronics Engr., Hughes Alrcraft Co., Culver City, Calif.

 SENGEL, PAUL A. (A'37-VA'39), Sr. Field Engr., Philco Corp. Chief Engr., 1884th AACS, E&I Group, USAF, Philadelphia
- rnladelphia, Pa.

 SENGER, FREDERICK A. (S'50-A'51-M'56), Research
 Engr.. Bendlx Radio, Towson 4, Md.

 SENGES, WALTER (M'56), Field Engr., Semiconductors,
 Sylvania Elec. Prodx., Inc., Woburn, Mass.;

 SENIO, NICHOLAS (S'54-M'56), Engr., ITT Labs.,
 Nutley 10, N.J.
 SENIOR, RUSSELL N. (M'57), RCAF, Sta. Officers Mess,
 Clinton, Ont., Canada.
 SENISE, IOSE T. (A'ISA MISO.)

- Clinton, Ont., Canada.
 SENISE, JOSE T. (A'53-M'58), Assoc. Prof., Instituto
 Tecnologico de Aeronautica, Sao Jose dos Campos, S. P.,
- SENN, GEORGE F. (S'35-A'39-M'48-SM'50), Chief Engr., U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.
- SENN, JAMES C. (M'56), Sr. Electronics Engr., Ryan Aeronautical Co., 5650 Kearney Mesa Rd., San Diego 12, Calif.
- 12, Call.

 SENNEVILLE, LOUIS O. (A'56-M'58), Mal., USAF, Maint.
 Supvr., 68th Armament & Electronics Maint. Sqdn., Lake
 Charles AFB, La.
- SENNEWALD, PERRY F. (S'51-A'54-M'59), Eastern Rep. & Tech. Consultant, Hospix TV Services, 2210 Chapman Rd., Hyattsville, Md.
- SENNIK, JOHN J. (M'58), 2140 Fillon St., VIIIe St. Laurent, P.Q., Canada.
- SENSEMAN, RICHARD W. (S'55-M'55), Educational Specialist, ElectroOata Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.
- SENSENEY, GEORGE T. (A'56), V.P., Dir., Engrg., Electronics Div., Iron Fireman Mfg. Co., 2838 S.E. 9 Ave., Portland, Ore.
- Ave., Portland, Ore.
 SENSENIG, WARREN A. (1/42-A/43-M/55), Sr. Dev.
 Engr. Stavid Engrg., inc., U.S. Hwy. 22, Plainfield, N.J.
 SENSINGER, WILBUR A. (M/57), Asst. Mgr., Traffic
 Control Engrg., Crouse-Hinds Co., Syracuse 1, N.Y.
 SENSIPER, SAMUEL (S'39-A/42-SM/47), Sr. Consultant,
 Hughes Alroraft Co., Culver City, Calif.
 SENSTAO, PAUL D. (S'46-A/49-M/55), Sr. Research
 Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway
 Rd., Minneapolis 13, Minn.

- SENTELL, FRANK N. (A'52-M'56), Electronics Engr., Sect. Head Shore Facilities, USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.
- SENTER, CEDRIC H. (M'46-SM'50), Staff Mem., Advanced Padar Dev. Div., Sandia Corp., Sandia Base, Albuquerque,

- SENTERFITT, ARNOLD D., II (S'55-A'5B), Electronics Scientist, Navy Electronics Lab., San Diego 52, Calif. SENTI, EUGENE C. (SM'55), Project Engr., Collins Radio Co., Cedar Rapids, Jowa.
 SENULIS, ROBERT E. (S'53-M'56), Jr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 SEO, HIDEO (M'57), Instr., Purdue Univ., Lafayette, Ind. SEPAHBAN, AMIR H. (A'58), Sect. Mgr., Electronic Oata Processing Systems, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 SEPLOW. SEYMOUR (M'56), Supvr., Elec. Test Lab.,

- Processing Systems, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 SEPLOW, SEYMOUR (M'56), Supv., Elec. Test Lab., Whittaker Controls Div., Telecomputing Corp., 915 N. Citrus, Los Angeles 38, Calif.

 SEPMEYER, LUWIG W. (4'41-SM45), Engr., System Dev. Corp., 2500 Colorado Ave., Santa Monica, Calif.

 SEPPELER, WAYNE C. (5'50-A'53-M'59), Elec. Engr., Kaiser Aircraft & Electronics, Box 437, Toledo 1, Ohio.

 SEPTEKIN, TEOMAN (A'56), Communications Engr., Westinghouse Air Brake, A. O., Istiklal cad., Istanbul, Turkey. SEPULVEDA, ROBERT E. (M'59), Prod. Design Engr., Lockheed Missile Systems Div., Sunnyvale, Calif.

 SEQUERA, TONY C. (S'57-M'57), Radio Relay Systems Engr., Canadian Marconi Co., 970 McEachran Ave., Montreal, P. Q., Canada.

 SERA, FREDERICK (M'54), Supvg. Electronic Engr., Sta. WWV, Natl. Bureau of Standards, Lanham, Md. SERAFIN, JOHN F. (M'58), 1102 St. Vincent St., Philadelphia 11, Pa.

 SERANG, ABDULGAFOOR M. (S'51-A'52-M'57-SM'58),

- deinhia 11, Pa.

 SERANG, ABDULGAFOOR M. (S'51-A'52-M'57-SM'58),
 Engr.-in-chg., Sylvania Elec. Prods., Inc., Microwave
 Tube Lab., 500 Evelyn Ave., Mountain View, Calif.

 SERBYN, M. ROMAN (S'55-M'56), 6792 36 Ave.,
 Rosemount, Montreal 36, P.Q., Canada.

 SERENO, CHARLES A. (SM'56), Exec. V.P., Electronic
 Communications, Inc., 1501 72 St., N., St. Petersburg,
 Fla.

- SERFASS, BRUCE R. (A'5B), Technician, Convair, Ft. Worth, Tex.
- Worth, LEX.

 SERGEANT, JERRY V. (\$157-M'58), Elec. Engr., Mast Development Co., 2212 E. 12 St., Davenport, Iowa.

 SERGEANT, RUSSELL C. (M'54-SM'56), Staff Asst. to Mgr., Engrg. Dept., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
- SERIG , HOWARD W. (SM'54), Project Dir., Electron Tube Group, Research Div., New York Univ., Secy., Advisory Group on Electron Tubes, ODDRE (RE), 346 Broadway,
- New York 13. N.Y.
 SERNIUK, WALTER (S'41-A'43-M'46-SM'50), Mgr.,
 Amherst Engrg. Lab., Sylvania Electronic Systems, 1100
 Wehrle Dr., Buffalo 21, N.Y.

- Wehrle Dr., Buffalo 21, N.Y.

 SEROTA, R. M. (A'45-SM'55), Mgr., Coleman Dielectric Div., The Foundry Equipment Co., 1831 Columbus Rd., Cleveland 13, Ohlo.

 SEROTTA, NORMAN (M'56), Sect. Head, Transducer Design Sect., Raytheon Mfg. Co., Wayland, Mass.

 SERRA, EUGENE M. (S'52-A'54-M'59), Electronics Engr., Pleatinny Arsenal, Dover, N.J.

 SERRA, IGNATIUS C. (A'58), Engrg. Aide, Instruments for Industry, 101 New South Rd., Hicksville, L.I., N.Y.

 SERRA, MANUEL A. (A'52), Box 2, Hato Rey, Puerto Rico.

 SERRACCHIOLI, FRANCESCO (M'58), Research Engr., Istituto Superiore P. P. T. T., 189 viale Trastevere, Rome, Italy.
- SERRELL, ROBERT (A'35-SM'44), Consultant, Applied Mathematics, 39 Lovers Lane, Princton, N.J. SERVETNICK, JOHN (M'57), Sales Engr., Lab. for Electronics, 1079 Commonwealth Ave., Boston, Mass.
- tronics, 10/9 Commonwealth Ave., Boston, Mass.
 SERVICE, CARL W., Mi'56), Sales Mgr., Collins Radio
 Co., 1930 HILline Dr., Dallas, Tex.
 SERVIS, WILLIAM A. (A'53), Radio, Television Appliances,
 Sales & Service, 14 Cleminshaw Ave., Troy, N.Y.
 SESHADRI, GANJUR (A'48), Asst. Engr., Govt. of India,
 Overseas Communication Service, Beam Wireless Sta.,
 Poona 6, India.

- Poona 6, India.

 SESHU, SUNDARAM (A'54-M'58), Asst. Prof., Elec.
 Engrg., Syracuse Univ., Syracuse 10, N.Y.

 SESPICO, FRANK M. (SM'58), Sr. Research Engr., No.
 Amer. Aviation, E. 5 Ave., Columbus 13, Ohio.

 SESSEL RALPH (M'59), Engr., Texas instruments, Inc.,
 6000 Lemmon Ave., Dallas 9, Tex.

 SESSIONS, ALBERT E. N. (SM'56), Sr. Engr., Raytheon
 Mfg. Co., Maynard, Mass.

 SESSIONS, STANLEY H. (A'37-VA'39-M'50), Oceanic
 Research Oliv., USN Ordnance Test Sta., China Lake, Calif.
 SESSIER, JERRY C. (A'53-M'58), Seet Engr., Farrs. SESSLER, JERRY G. (A'53-M'58), Sect. Engr., Farns-worth Electronics Corp., 3702 E. Pontiac St., Ft. Wayne, Ind.

- worth Electronics Corp., 3702 E. Pontiac St., Ft. Wayne, Ind.

 SETARO, JOHN E. (S'46-A'48-M'55), Asst. Oept. Mgr., Missile Guidance, American Bosch Arma Corp., Garden City, L.I., N.Y.

 SETH, CHARLES E. (S'52-A'54), Electronics Scientist, USAF, Wright Air Oevelopment Center, Wright-Patterson AFB, Onio.

 SETTERSTEN, ROBERT A. (S'55-M'5B), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 SETZER, LOGAN E. (A'47-M'55-SM'58), Research Physicist, Hughes Aircraft Co., Culver City, Calif.

 SEVERT, FREDERICK J., JR. (S'49-A'50-SM'57), Sr. Project Elec. Engr., Hoffman Labs., 3761 S. Hill St., Los Angeles 7, Calif.

 SEVERANCE, F. DOUGLAS (A'53-M'5B), Electronics Field Engr., Bivins & Caldwell, Inc., Box 6025, Orlando, Fla.

 SEVERIN, HANS K. F. (SM'56), Asst. Dir., Phillips Labs., Vogt-Koelin-Str. 30, Hamburg-Stellingen, Germany.

 SEVERIN, JOHN A. (S'50-A'51-M'57), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 SEVERNS, ROGER A. (M'57), Electronics Seelsing Engr., Airesearch Mig. Co., 402 S. 36 St., Phoenix, Ariz.

 SEVERS, WALLACE W. (A'59), F. Electronics Technician, Space Technology Labs, Inc., 60x 95001, Los Angeles 45, Calif.

 SEVERSON, MARSHALL (A'56), Metallurgist, Research, Inland Steel Co., 7035 Woodmar Ave. Hampond Ind.

- SEVERSON, MARSHALL L. (A'56), Metallurgist, Research, Inland Steel Co., 7035 Woodmar Ave., Hammond, Ind. SEVETT, RAYMOND (S'49-A'50-M'55), Elec. Engr., Emerson Electric Mfg. Co., 8100 W. Florissant, St. Louis 21, Mo.
- SEVIAN, EDWARD A. (S'47-A'49-M'55), Engr., RCA,
- SEVIGNY, GEORGE D. (S'54-M'57), Assoc. Engr., IEM, Kingston, N.Y.

- SEVILLE, ALFRED R. (M'57), Systems Engr., Kaman Aircraft Corp., Old Windsor Rd., Bloomfield, Conn.
 SEWARD, GLEN J. (M'56), Electronics Engr., Crosley Div., Avco Mfg. Corp., Box 116, Cincinnati 15, Ohio.
 SEWELL, BENJAMIN L. (S'55-M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N. M.
 SEWELL, CHARLES R. (M'58), Electronics Engr., Raytheon Mfg. Co., Waltham 54, Mass.
 SEWELL, ROBERT G. S. (SM'59), Head, Long Range Missiles Branch, U.S. Naval Ordnance Test Sta., China Lake, Calif.

- Calif.

 SEYBOLD, JOSEPH F. (A'4B), Pres., Accurate Electronics Corp., 169 S. Abbe Rd., Elyria, Ohio.

 SEYBOLD, LAWRENCE C., JR. (S'53-M'56), Lt., U. S. Army. Home: 2911 Pine St., New Orleans 25, La.

 SEYFRIED, JOHN E. (S'53-A'54), Foreman, Electronic Testing, Divoc-Wayne Electronics Co., 9701 Reading, Cincinnati 19, Ohio.

 SEYMOUR, ASA M. (M'55-SM'57), Communications Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.

 SEYMOUR, CHARLES P. (M'57), Chief, Passive Defence Branch, AICSM Dffice, Air Research & Dev. Command Hgrs., Andrews AFB, Washington 25, D.C.
- SEYMOUR, DONALD E. (M'58), 4037 Calmont, Ft. Worth,
- Tex.

 SEYMOUR, EDWARD E. (M'57), Planning & Programming, GE Co., Vandenberg AFB, Calif.

 SEYMOUR, GILBERT B. (A'53-M'58), Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

 SEYMOUR, HARRY A. (S'4B-4 50-M'54-SM'56), Cant., USN, Navy Dept., Bureau of Ordnance, Washington 25, 0. C. SEYMOUR, JEAN W. (A'49-SM'56), Systems Engr., RCA, Clark, N.J.
- SEYMOUR, MORRIS E. (M'56), Project Engr., GE Co., Advanced Electronics Center, Ithaca, N.Y. SEYMOUR, RALPH N. (S'55-M'5B), Engr., GE Co., Advanced Electronics Center, Ithaca, N.Y.
- SEYMOUR, ROBERT A. (A'55), Dept. Head, Aeronutronic Systems, Inc., 2701 Halladay, Santa Ana, Calif. SEZACK, STANLEY K. (S'49-A'52-M'57), Supvy, Engr., Material Lab., Code 994, New York Naval Shipyard, Brooklyn 1, N.Y.

- Material Lab., Code 994, New York Naval Shipyard, Brooklyn 1, N.Y.

 SFERRAZZA, PETER J. (S'47-A'50-M'50), Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SFERRINO, VINCENT J. (M'56), Research Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 SHABATURA, DON P. (S'52-A'53-M'5B), 716 5 Ave., S.E., Minneapolis 14, Minn.

 SHABOO, JOHN, JR. (S'54-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Anza St., Los Angeles 45, Calif.

 SHABOO, JOHN, JR. (S'54-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Anza St., Los Angeles 45, Calif.

 SHACK LEFORD, BENJAMIN E. (A'23-M'26-F'38KL), 743

 Mosswood Ave., Orange, N.J.

 SHACKELFORD, BENJAMIN E. (A'23-M'26-F'38KL), 743

 Mosswood Ave., Orange, N.J.

 SHACKELFORD, CHARLES L. (S'41-A'44-SM'51), Engr., Chalham Electronics Oiv., Tung-Sol Electric Corp., 630

 W. Mt. Pleasant Ave., Livingston, N.J.

 SHACKELFORD, HUGH L. (S'50-A'52-M'57), Sr. Engr., Sperry Farragut Co., Bristol, Tenn.

 SHACKELFORO, DUGH L. (S'57-A'58), G. D., De Quincy, La.

- SHACKELFORD, LOWELL R. (S'57-A'58), C. O., De Quincy, La.

 SHACKELFORD, RICHARD B. (A'5D), Research Asst., Dept. of Physlology, Univ. of Kansas, Lawrence, Kan.

 SHACKELFORD, WILLIAM T., III (A'48-M'52), Design Consultant, 1136 Grant Ave., Cuyahoga Falls, Ohio.

 SHACKLETON, JAMES R. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SHACKLETON, S. PAUL (M'32-SM'43), Staff Scientist, W. L. Maxson Corp., 460 W, 34 St., New York 1, N. Y.; Consultant, Natl. Security Agency, Ft. Meade, Md.

 SHACKLETT, JAMES H. (S'57-A'5B), Asst. Engr., Western Electric Co., Winston-Salern, N.C.

 SHACKLETY, EUGENE R., JR. (S'56-M'58), 2507 Hyde, Burlington, N.C.

 SHAOBOLT, MELVIN H. (A'57), Transmitter Engr., KTIV TelevIslon Co., 10 & Grandview, Sloux City, Iowa.

 SHADBOLT, MELVIN H. (M'58), Officer, USAF, Wright Air Oevelopment Center, Box 7767, Wright-Patterson AFB, Ohio.
- Ohio.

 SHADE, KARL E. (A'55), Assoc. Physicist, Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

 SHADE, RICHARD R. (S'43-A'45-M'55), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 SHADLE, PAUL W. (A'48-M'53-SM'59), Mem. Tech. Staff, Ramo-Wooldridge, 5500 Ei Segundo Bivd., Los Angeles 45, Calif.
- SHADLEY, FREDERIC C. (A'51-M'57), Dir., Radar Systems Engrg., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Dhio.
- SHAFER, CHARLES R. (A'59), Electronics Techniclan, Westinghouse Elec. Corp., Box 284, Elmira, N.Y. SHAFER, CLINTON G. (M'58), Sr. Engr., Airborne Radar Dept., Raytheon Mig. Co., Wayland, Mass.
- SHAFER, LEROY (S'56-M'56), Assoc. Engr., Convair, Ft. Worth, Tex.
- Ft. Worth, lex.
 SHAFER, MARSHALL W. (A'52-M'58), Project Engr.,
 Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 SHAFER, WILLIAM A. (A'58), Neurosurgeon, 609 Sassafras Frie Pa
- St., Erle, Pa.

 SHAFER, WILLIAM L. (A'23XL), Equipment Engr., Bell Tel.
 Co. of Pennsylvania, 416 7 Ave., Pittsburgh 19, Pa.

 SHAFFER, ALFRED (M'50), Sr. Engr., Project Staff,
 Convalr Missile Div., Genl. Dynamics, Pomona, Calif.

 SHAFFER, CHARLES V. (A'46-M'50-SM'52), Assoc.
 Prof., Elec. Engrg., Univ. of Florida, Gainesville, Fla.

 SHAFFER, CHARLE W., JR., (S'55-A'57), Experimental
 Technician, Bendix Prods. Div., 400 S. Belger St.,
 Mishawaka, Ind.
- MISNAWAKA, IND.
 SHAFFER, JAMES D. (M'55), Sr. Physicist, Haller,
 Raymond & Brown, Inc., Circleville Rd., State College, Pa.
 SHAFFER, LORAN R., JR. (S'58-M'58), Elec. Engr.,
 Melpar, Inc., 3000 Arlington Blvd., Fails Church, Va.
 SHAFFER, MARLIN R., (M'57), Patent Atty., 200 S. Main,
 Sait Lake City, Utah.
- Sait Lake City, Utah.
 SHAFFER, PIHLIP A., JR., (A'52-M'58), Owner, Transdata, 1844 Brigden Rd., Pasadena 7, Calif.
 SHAFFER, RICHARD A. (S'49-A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.
 SHAFFER, RICHARD C. (M'52), Project Mgr., RCA, Moreastown N. J.

- SHAFFER, RICHARD E. (A'56), Tech. Rep., Madigan Corp., 526 Mineola Ave., Carle Place, L.I., N.Y. SHAFFER, ROBERT E. (S'49-A'50), Prod. Dev. Engr., RCA, New Holland Pike, Lancaster, Pa. SHAFFER, WILLIAM H. (S'56-M'57), Electronics Dev. Engr., Goodyear Aircraft Corp., Phoenix, Ariz. SHAFFNER, LELAND D. (S'52-A'54), Engr., KCMO Broadcasting Co., 125 E. 31 St., Kansas City, Mo. SHAFIROF, HARRY (SM'56), Chief Engr., Federal Television Corp., 19-10 23 Terr., Astoria 5, L.I., N.Y. SHAFT, PAUL D. (A'58), Engr., ITT Labs., Nutley 10, N.J.

- SHACAM, EDWIN M. (A'52-M'57), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. SHAH, RAYMOND R. (A'55-M'57), Engr. in Secretariat & Editor, "Bulletin SEV-ASE," Swiss Electrotechnical insti-tution, Seefeldstr
- SHAHAN, ONNIG (S'50-A'51-M'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. SHAHBENDER, RABAH (S'49-A'51-M'57), Engr., RCA, Princeton, N.J.
- Princeton, N.J.

 SHAHIN, EDWARD S. (A'56), Liaison Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 SHAIN, EDWIN (S'52-A'53-M'58), Engr., GE Co., Syracuse, N.Y.

 SHAIN, MYRON D. (A'58), Chief Engr., Audio Cine, Inc., 1625 Broadway, New York 19, N.Y.

 SHAK, HAROLD K. Y., (A'56), Electronics Engr., USN, Pearl Harbor, Oahu, Hawaii.

 SHAKLEE, FRANCIS S. (S'57-M'58), 424 Stoner Rd., R. D. 2, Clinton, Ohio.

 SHAKUN, MELVIN F. (M'55), Operations Research Specialist, Price, Waterhouse & Co., 56 Pine St., New York 5, N.Y.

- N.Y.
 SHALER, DAVID (A'53-SM'57), Mech. Project Engr., Hogan Labs., Inc., 155 Perry St., New York 14, N.Y.
 SHALER, GEORGE J. (S'54-M'57), Project Engr., Loral Electronics, Inc., 825 Bronx, River Ave., New York 72, N.Y.
 SHALER, PAUL M., JR. (S'56-M'59), Elec. Engr., Bell Alcraft Corp., Box 1, Buffalo 5, N.Y.
 SHALEV, YOSEF (M'59), Jr. Engr., Polytechnic Research & Development Co., Inc., 202 Tillary St., Brooklyn 1, N.Y.

- & Development Co., Inc., 202 Tillary St., Brooklyn 1, N. Y.

 SHALLBETTER, CHARLES E. (S'58-M'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.

 SHALLCROSS, DEWESS H., SR. (A'41), Chmn. of the 8d., Shallcross Mfg. Co., 520 Pusey Ave.; Collingdale, Pa. SHALLCROSS, GEORGE P. (A'43-M'50), 4713 Pensacola Ave., Chicago 41, III.

 SHALLER, ARTHUR L. (S'51-A'52-M'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 SHALLON, SHELDON C. (S'47-A'50-M'55-SM'57), Sr. Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf. SHALLOWAY, ARTHUR M. (S'43-A'46-M'51-SM'57), Sr. Engr., Minneapolis-Honeywell Regulator Co., 13350 U.S. HWY. 19, St. Petersburg, Fia.

 SHALVOY, RICHARDE C. (S'55-M'57), Design Engr., Advanced Design Dept., Stavid Engrg., Inc., Rte. 22, Plainfield, N. J.

 SHAMBAN, WILLIAM S. (A'56), Pres., W. S. Shamban & Co., 11617 W. Jefferson Bivd., Culver City, Callf.

 SHAMBAN, WILLIAM S. (A'56), Pres., W. S. Shamban & Co., 11617 W. Jefferson Bivd., Culver City, Callf.

 SHAMBLIN, HENEGAR D. (A'46-M'51), Asst. Chief Engr., Aeronautical Communications Equipment, Inc., 2090 S.W. 37 Ave., Miami 33, Fia.

 SHAMES JERRY (M'57), Electronics Engr., ITT Labs., Nutley 10, N.J.

 SHAMBSON, LEON (M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City. Calif.

- SHAMES, JERRY (M'57), Electronics Engr., ITT Labs., Nulley 10, N.J.

 SHAMESON, LEON (M'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SHAMIR, JEDIDIAH (S'51-A'53), 18 Zeev St., Mt. Carmel, Halfa, Israel.

 SHAMIS, SIDNEY S. (M'46-SM'59), Assoc. Prof., Elec. Engr., New York Univ., University Hgts., New York S3, N.Y.

 SHAMOS, MORRIS H. (M'54), Physics Dect., Washington Square College, Washington Sa., New York, N.Y.

 SHAMMP, DAVID J. (A'53-M'58), Pres., Cominol Industries, 1500 Massachusetts Ave., N. W., Washington 5, O. C.

 SHAMAHAN, EDMOND F. (M'55), Patent Atty., Beehler & Shanahan, 3540 Wilshire Bidd., Los Angeles 5, Calif.

 SHAMAHAN, JOHN C. (M'50), Sr., Instr., Officers Dept., Signal School, Ft. Mommouth, N.J.

 SHANAHAN, WILLIAM J. (S'46-A'48-M'55), Chief Engr., Skiatron Electronics & Television Corp., 30 E. 10 St., New York 3, N.Y.

 SHANCK, ROY 8, (A'42-SM'43), Engr., Bell Tel. Labs., 463 West St., New York 14, N.Y.

 SHANE, DALE C. (M'56), Engr., Sect, Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

- Gyroscope Co., Great Neck, L.I., N.Y.

 SHANE, ZELMOND G. (A'50), 1026 Oakland St.,
 Beaumont, Tex.

 SHANER, JAMES R. (S'51-A'54-M'59), Sr. Electronics Engr.,
 Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 SHANGRAW, CLAYTON C. (A'30-M'50-SM'43), Exec. Engr.,
 Eclipse-Pioneer Div., Teterboro, N.J.

 SHANK, KENNETH E. (M'59), Engr., RCA, Camden 8, N.J.

 SHANK, RICHARD 8. (S'56-M'59), 623rd AC&W Sqdn.
 Det. 4, APO 235, San Francisco, Calif.

 SHANK, RICHARD R. (S'46-A'50-M'55), Asst. Prof.,
 Elec. Engrg., Dunham Lab., Yale Univ., New Haven, Conn.

 SHANK, ROBERT J. (S'37-A'39-SM'49-F'58), V.P.,
 Systems Mingt., Hughes Aircraft Co., Culver City, Calif.

 SHANKLAND, DONN G. (M'56), Cant., USAF, Physicist,
 Wright Air Development Center, Wright-Patterson AFB,
 Ohio.

- Ohio.

 SHANKLE, SAM 8. (M'57), Fleld Engr. on contract to Bell Tel. Labs. from Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 SHANKS, FERRELL 8. (S'56-M'57), Instrumentation Engr., Vitro Labs., Eglin AFB, Fla.

 SHANKS FLER, RAY G. (S'55-WA'39-SM'55), Mgr., Tech. Services, RCA Labs., Princeton, N.J.

 SHANLEY, JAMES H. (M'56), Administrative Asst. to V.P., Engrg. & Prod. Div., Airborne Instrument Lab., Inc., Mineola, N.Y.

 SHANLEY, JAMES J. (A'56), Tech. Aide, Bell Tel. Labs., Murray Hill, N.J.

 SHANLEY, WILLIAM I., JR. (A'53-M'58), Systems Specialist Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y.

 SHANNON, BENJAMIN F. (A'52-M'57), Postmaster,

- SHANNON, BENJAMIN F. (A'52-M'57), Postmaster, U.S. Post Office Manieo N.C.

- SHANNON, CARL V. (S'50-A'51-M'56), Contract Mgr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.
- SHANNON, CLAUDE E. (S'36-M'48-SM'49-F'50), Prof., Communications Sciences & Mathematics, MIT, Cambridge, Mass.
- Cambridge, Mass.
 SHANNON, FRANK J., SR. (A'41-SM'52), Mgr., Tech.
 Field Service, Packard-Bell Electronics Corp. (T.P. Div.),
 1233 W. Olympic Blvd., Los Angeles 64, Calif.
 SHANNON, HERSERT H. (A'52-M'57), Principal Electronics Engr., Emerson Research Labs., 1140 EastWest Hwy., Silver Spring, Md.

- tronics Engr., Emerson Research Labs., 1140 East-West Hwy., Silver Spring, Md.
 SHANNON, JAMES R. (A'58), Contract Administrator, Raytheon Mfg. Co., Newton, Mass.
 SHANNON, JOHN B. (M'57), Engrg. Design & Research, Electronic Engrg. Co. of California, 1601 E. Chestnut, Santa Monica, Calif.
 SHANNON, PATRICK D. (M'57), Capt., USAF, Communication Electronics Staff Evaluation Officer, 4713th Radar Evaluation Sqdn., Griffiss AFB, N.Y.
 SHANNON, ROBERT E. (SM'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.
 SHANNON, WILLIAM W. (S'40-M'45), Pres. & Chmn. of 8d. of Dirs., Servomechanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif.
 SHANSKY, DAVID (M'52), Engrg. Sect. Head, Minneapolis-Honeywell Regulator Co., Newton Highlands 61, Mass.
 SHANTEAU, NORMAN G. (S'49-A'51-M'58), Supvr., Electronics Engr., Instrumentation, Natl. Aviation Facilities Experimental Center, FAA, Atlantic City, N. J.
 SHANTZ, CARL J. (A'54), Elec. Design Engr., Willamet Inc., 167-40, Elec., 167-4

- SHAPER, HARRY B. (A'48-M'55), V. P. & Dir. of Engrg., Dyna-Empire, Inc., 1075 Stewart Ave., Garden City, L. I., N. Y.
- N. Y.
 SHAPIN, THEODORE, JR. (S'48-A'49-M'54), Engr.,
 Systems Div., Beckman Instruments, Anahelm, Calif.
 SHAPIRA, FRANKLYN M. (A'52-M'57), Dev. Engr.,
 Minterela, Inc., 4501 W. Augusta Blvd., Chicago
 51, III.
- 51, III.

 SHAPIRO, ALAN R. (S'57-M'59), Engr., Systems Dev., Avionics, Sylvania Elec. Prods., Inc., Waltham, Mass.

 SHAPIRO, ARTHUR H. (S'57-M'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Callf.

 SHAPIRO, DAVID L. (A'44-M'45), Research Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SHAPIRO, EDWARD S. (S'55-A'57), 2083 Creston Ave., New York 53, N.Y.

 SHAPIRO, ELMER B. (S'53-A'54-M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 SHAPIRO, EUGENE (S'48-A'49), Field Engr., Lee Mark Associates, Box 8467, Kansas City 14, Mo. SHAPIRO, EUGENE (M'88), 930 McKinley St., Peekskill, N.Y.

 SHAPIRO, FRED J. (S'56-A'58), Tech. Alde, Bell

- Skill, N.Y.

 Skill, N.Y.

 SHAPIRO, FRED J. (S'56-A'58), Tech. Alde, Bell Tel. Labs., Whippany, N.J.

 SHAPIRO, GEORGE (M'58), Fellow Engr., Air Arm Div., Westinghouse Elec. Corp., 8ox 746, Baltimore 3, Md.

 SHAPIRO, CUSTAVE (A'43-SM'56), Chief Engr., Electronics Sect., Natl. Bureau of Standards, Washington 25, D.C.

 SHAPIRO, HARVEY (A'55-M'56), Physicist, Rome Air Development Cerker, Rome, N.Y.

 SHAPIRO, HASKELL (S'47-A'50-M'55), Partner, Shapiro & Edwards, 1130 Mission St., South Pasadena, Calif.

- Calif.
 SHAPIRO, HENRY (S'52-A'54), Sr. Engr., Adler Electronics, Inc., 1 Le Fevre Lane, New Rochelle, N.Y.
 SHAPIRO, HENRY L. (S'50-A'50-M'56), Field Service
 Rep., GE Co., Utica, N.Y.
 SHAPIRO, HENRY L. (SM'58), Sr. Weapon Systems Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SHAPIRO, HOMER (A'54), Engr., Hughes Aircraft Co., Culver City, Calif.
- SHAPIRO, IRVING (A'58), Mgr., Quality Control, Semi-conductor Div., Sylvania Elec. Prods., Inc., Woburn, Mass.
- mass.
 SHAPIRO, JACOB F. (S'58-A'59), Technician, Belock
 Instrument Co., 111-O1 14 Ave., College Point, L.I.,
- N.Y.
 SHAPIRO, JACOB M. (M'56), Sr. Tech. Mem., RCA, Burlington, Mass.
 SHAPIRO, JONAS M. (SM'56), V.P. & Dir., Govt. Engre., Manson Labs., Inc., 207 Greenwich Ave., Stamford, Conn.
- SHAPIRO, JULIUS (S'49-A'53-M'58), Engr., Chromatic Television Labs., Inc., 1501 Broadway, New York 36, N.Y.
- SHAPIRO, L. DENNIS (S'52-M'57), Communications Engr., Pickard & Burns, Inc., 240 Highland Ave., Needham 94, Mass.
- Needham 94, Mass.
 SHAPIRO, LAWRENCE (A'51), Project Engr., Webcor, Inc., 5610 Bloomingdale Ave., Chicago, III.
 SHAPIRO, LAWRENCE (A'49-M'58), Research Scientist, Lockheed Missile Systems Div., Palo Alto, Calif.
 SHAPIRO, LAZARUS C. (SM'54), Owner, Corona Engrg. Service, 94-52 Corona Ave., Elmhurst 73, L. 1., N. Y.
 SHAPIRO, LOUIS (A'45-M'46), Project Engr., Industrial Prods., RCA, Camden, N.J.
 SHAPIRO, M. DAVID (S'48-A'50-M'55), Sr. Dev. Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

- Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, ArIz.

 SHAPIRO, MARTIN L. (A'52-M'58), Research Engr., Boeing Airplane Co., Lexington 73, Mass.

 SHAPIRO, MICHAEL A. (M'58), Elec. Engr., Philco Corp., 3875 Fabian Way, Palo Alto, Calif.

 SHAPIRO, MURRAY H. (S'56-M'57), Engr., Electronics Research Labs., Columbia Univ., 632 W. 125 St., New York 27, N.Y.

 SHAPIRO, OSCAR (S'42-A'44-M'48), Project Engr., ITT Labe., Nurloy 10, N.J.

 SHAPIRO, PAUL (S'52-A'53-M'58), Project Engr., Otis Elevator Co., 35 Ryerson St., Brooklyn 5, N.Y.

 SHAPIRO, ROBERT I. (A'55), 1861 S.W. 21 Ter., Miami, Fla.

 SHAPIRO, ROY A. (S'57-A'59), Tech. Alde, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 SHAPIRO, SANFORD S. (S'57-M'59), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 SHAPIRO, SIDNEY (M'57), Research Engr., W.L.

 Maxson Corp., 460 W. 34 St., New York, N.Y.

- SHAPIRO, SOL (S'48-A'50-M'58), Research Consultant, Avion Div., ACF Industries, Inc., 11 Park Pl., Paramus, N. J.
- N.J.
 SHAPP, MILTON J. (SM'54), Pres., Jerrold Electronics Corp., 15 & Lehigh, Philadelphia, Pa.
 SHAPPET, JOHN J. (S'55-A'56), Electronics Instr., H.L. Yoh Co., Inc., 123 S. 2nd St., Philadelphia 6. Pa.
 SHARAF, HAROLD M. (S'51-A'53-M'58), System & Components Mgr., Temoc Electronics, 811 Boylston St., Boston 16, Mass.
- SHARAF, HARDLD M. LS 31-A 35-M 35, 3ystein actoring ponents Mgr., Temce Electronics, 811 Boylston St., Boston 16, Mass.

 SHARE, GEORGE E. (SM'56), Electronics Support System Engr., Hgrs. ARDC, Directorate of Systems Management, Wright-Patterson AFB, Ohio.

 SHARF, WALDEMAR A. (A'52), Queen Elizabeth Way, Genl. Del., Clarkson, Ont., Canada.

 SHARKI, PHILIP (M'50), Electronics Engr., Rome Air Development Center, Griffiss AFB, N.Y.

 SHARMA, INDU. S. (A'550), Elouty Dir., Aeronautical Development Est., High Grounds, Bangalore 1, India.

 SHARMAN, HUGH M. (A'47-M'55), Electronics Engr., San Francisco Naval Shipyard, San Francisco 24, Calif. SHARMAN, HUGH M. (A'47-M'55), Electronics Engr., San Francisco Naval Shipyard, San Francisco 24, Calif. SHARP, ALVA C. (A'56-SM'57), Sr. Engr., Haller, Raymond & Brown, State College, Pa.

 SHARP, BURTON M. (S'50-A'52-M'57), Field Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SHARP, CHESTER E. (A'51-SM'57), Sonsultant, U.S. Army Research & Development Labs., Ft. Monnouth, N.J.

 SHARP, CHESTER E. (A'51-SM'57), Special Systems Rep., IBM, 616 S. Michigan Ave., Chicago, Ill.

 SHARP, EUGENE O. (S'54-A'55-M'57), Research Engr., Stanford Research Institute, Menio Park, Calif.

 SHARP, FRED R. (M'54), Owner, Fred R. Sharp Co., 2138 Lee Rd., Cleveland 18, Ohio.

 SHARP, JAMES M. (S'32-A'35-M'55), Genl. Mgr., J.M. Sharp Co., Drawer E., Satlooy, Calif.

- Lee Rd., Cleveland 18, Ohio.
 SHARP, JAMES M. (S'32-A'35-M'55), Genl. Mgr., J.M. Sharp Co., Drawer E., Satlcoy, Calif.
 SHARP, JAMES W. (A'41-SM'46). Prod. Mgr. (Radar), Gov. Prods. Div., Magnavox Co., 2131 Bueter Rd., Ft. Wayne, Ind.
- Wayne, Ind.
 SHARP, JON A. (M¹58), Tech. Editor, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
 SHARP, JOSEPH C. (S'56-M'57), Elec. Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway, Minneapolis 14, Minn.
- Minn.

 SHARP, NUGENT S. (A'53), Consulting Radio Engr., 501
 13 St., N.W., Washington 4, D.C.
 SHARP, RALPH R. (A'55), V. P., Kay Sales Co., 2702
 41 Pl., Des Moines, Iowa.
 SHARP, RICHARD S. (A'57), Systems Analyst, ElectroData Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.
- Calif.

 Calif.

 SHARP, ROBERT F. (M'53), Engr. Supervision, Missile & Radar Engrg., RCA, Moorestown, N.J.

 SHARP, ROBERT L. (S'57-M'58), Electronics Engr., Missile Range, N.M.

 SHARP, VALENTINE S. (A'56), Engrs. Asst., Electronics, Ontario Provincial Govt., Dept. Public Works, Rm 6614, Queens Park, Toronto, Ont., Canada.

 SHARP, WERNER O. (A'33-M'44), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 SHARPE, CHARLES B. (S'46-A'52-M'57), Assoc. Prof., Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.

 SHARPE, DONALD (A'57), Design Engr., Raytheon Mfg. Co., Wayland, Mass.

 SHARPE, EDWIN F. (S'49-A'50-M'56). Mem. Tech. Staff

- Wayland, Mass.

 SHARPE, EDWIN F. (S'49-A'50-M'56), Mem. Tech. Staff, Bell Tel. Labs., Lexington Rd., Winston-Salem, N.C.

 SHARPE, GERALD E. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 SHARPE, LOUIS E. (M'54), Chief, Astro Guidance Engrg. Dept., KOllsman Instrument Corp., 80-08 45 Ave., Elmhurst, L.I., N.Y.

 SHARPE, LVLE E. (A'52), Genl. Mgr., Electronic Div., J.8.

 Rea Co., 2202 Broadway, Santa Monica, Calif.

 SHARPE, MILBURNE O. (A'31-SM'44), Supt., Communications Dept., Trunkline Gas Co., 5650 Kirby Dr., Houston 5, Tex.
- Tex.

 SHARPE, THEIL W. (M'54), Asst. Genl. Sales Mgr., Collins Radio Co., 1930 Hilline Dr., Dallas, Tex.

 SHARPE, WILLIAM P., JR. (S'54-M'55), Mgr., Components Prod. Planning, Raytheon Mfg. Co., Waltham 54, Mass.

 SHARPLESS, WILLIAM M. (A'28-M'38-S M'43-F'50), Mem. Tech. Staff, Bell Tel. Labs., Red Bank, N. J. SHARROW, ARNOLD H. (S'57-M'56), Design & Dev. Engr., Hazeltine Electronics Corp., Little Neck, 62, L. I., N.Y. SHARWIN, NATHAN S. (S'49-A'53), 1705 P St., N.W., Washington, D.C.

 SHASHOUA, FRED E. (M'58), Elec. Engr., RCA, Camden, N.J.

- Washinguil, J. C. (M'58), Elec. Engr., RCA, Camden, N.J.

 NASHOUA, FRED E. (M'58), Maj., USAF, Dir., Materiel, United Kingdom Airways & Air Communications System, APO 125, New York, N.Y.

 SHATTUCK, CHARLES J. (S'56-M'57), System Engr., Burroughs Corp., Burroughs Dr., Radnor, Pa.

 SHATTUCK, CHARLES J. (S'66-M'57), Sect. Communications Supyr., Pan American World Airways, Inc., Box 817, Internati. Airport Branch, Miami 48, Fis.

 SHATZ, JOHN R. (S'50-A'52-M'56), System Analysis Engr., GE Co., Johnson City, N.Y.

 SHATZKIN, JEROME (SM'55), Sr. Project Engr., RCA, Moorestown, N.J.

 SHAULL, JOHN M. (SM'52), Supyy. Electronics Scientist, Diamond Ordnance Fuze Lab., Washington 25, D.C.

 SHAUM, RICHARD L. (SM'57), Staff Assoc., Sandia Corp., Sandia Base, Albuquerque, N.M.

 SHAVER, FRED W. (S'54-M'55), Electronics Officer, USS Hissem (DER-400), FPO, New York, N.Y.

 SHAVER, FRED FRICK T. (A'51-M'56), Chief, Flight Simulation Branch, Computation Lab., Army Ballistic Missile Agency Redstone Arsenal, Ala.

 SHAVER, HAROLD 8. (A'54), Supyr., Winnipeg Electric Co., Box 815, Winnipeg 9, Man., Canada.

 SHAVER, JESSE M., JR. (M'59), Mkto. Dir., Industrial Prods., Wells-Gardner & Co., 2701 N. Kildare Ave., Chicago 39, Ill.

 SHAVER, JOHN L., JR. (A'59), Service Engr., Carolina Sound Equipment Service, 6,14 Clement Ave., Charlotte 4,

- SHAVER, JOHN L., JR. (A'59), Service Engr., Carolina Sound Equipment Service, 614 Clement Ave., Charlotte 4, N.C.
- SHAVER, JOHN W. (S'51-A'54-M'59), Design Engr., Convair, Ft. Worth, Tex.

- SHAW, ARTHUR B. (M'49), Communications Instr., RCA Institutes, 350 W. 4 St., New York 14. N. Y. SHAW, BASIL (A'49-M'55-SM'58), Project Leader, Fair-cilld Gulded Missiles Div., Wyandanch, L. I., N. Y. SHAW, CHARLES A. (A'51-M'56), Chief Engr., Electronics Div., Omondaga Pottery Co., 1858 W. Fayette St., Syracuse 1, N.Y.
- Syracuse 1, N.Y.

 SHAW, CHARLES B., JR. (A'51-M'56), Pres., Airborne Communications, Inc., Lunken Airport, Cincinnati 26, Ohio. SHAW, DAVID (S'50-A'53), Supw., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SHAW, DAVID (S'43-A-45-M'55), Sect. Engr., Mergenthaler Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.

 SHAW, DAVID B. (S'43-A-45-SM'52), Sect. Head, TV Branch, Norden Div., United Aircraft, 121 Westmoreland Ave., White Plains, N.Y.

- land Ave., White Plains, N.Y.

 SHAW, DONALD G. (S'57-M'58), Engr., Elec. Lab., IBM, Rochester, Minn.

 SHAW, DWIGHT G. (S'57-A'59), 5002 15 N.E., Seattle 5, Wash.

 SHAW, F. WALTER (S'54-M'58), Electronics Engr., Convair, San Diego, Calif.

 SHAW, GEORGE B. (SM'58), Chlef Administrative Engr., Advance Industries, Inc., 640 Memorial Dr., Cambridge, Mass.
- Mass.
 SHAW, GEORGE J. (A'45-M'50), Electronics Engr., Baird-Atomic, Inc., 33 University Rd., Cambridge 38, Mass.
 SHAW, GEORGE R. (M'40-SM'43-F'54), Chief Engr., Tube Div., RCA, Harrison, N.J.
 SHAW, GEORGE S. (A'44-M'48-SM'51), V.P., Radiation, Inc., Melbourne, Fla.
 SHAW, GLENN W. (A'44), Sect. Head, Lockheed Missile Systems Div., Sunnyvale, Calif.
 SHAW, GLENN W. (A'44), Sect. Head, Lockheed Missile Systems Div., Sunnyvale, Calif.
 SHAW, GORDON D. (S'50-A'51-M'56), Div. Salesman, Westinghouse Elec. Corp., East Pittsburgh, Pa.
 SHAW, HAROLD L. (A'58), Signals Officer, Internatl. Aeradio (CAR), Ltd., Palisadoes, Jamaica, B.W.I.
 SHAW, HARRY F. (A'52-M'58), Electronics Engr., Diamond Ordnance Fuze Labs., Washington ZS, D.C.
 SHAW, HENRY M. (A'56), District Mgr., Electronics, 500 5 Ave., New York, N.Y.

- 5 Ave., New York, N.Y.

 SHAW, HERRY S. (A'17-M'21-F'35)(L), Retired, 3048
 Renatta Dr., Largo, Fla.

 SHAW, HERBERT J. (M'55), Sr. Research Assoc., Stanford Univ., Stanford, Calif.

 SHAW, JOHN B. (M'57), Field Service Engr., Westinghouse Elec. Corp. . 4 & Wood Sts., Pittsburgh 30, Pa.

 SHAW, JOHN E. (M'58), Electronics Engr., FAA, Oklahoma City, Okla.

- SHAW, JOHN E. (M'58), Electronics Engr., FAA, Oklahoma City, Okla.

 SHAW, JOHN L. (A'48-SM'52), Geophysics Internati. Nickel Co., Ltd., Copper Ciliff, Ont., Canada.

 SHAW, JOHN R. (A'55), Electronics Engr., Dynapar Corp., 5150 Church St., Skokie, III.

 SHAW, LEROY B. (S'55, Electronics Engr., Dynapar Corp., 5150 Church St., Skokie, III.

 SHAW, LEROY B. (S'53-A'54), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Califf.

 SHAW, LESTER L., JR. (S'49-A'53-M'57), Electronics Engr., Convair., Pomona, Calif.

 SHAW, MILTON E. (S'56-M'57-SM'58), Engrg. Designer, Boeling Airplane Co., Seattle, Wash.

 SHAW, MORTON R., JR. (2'144), Mgr., Prod., Dev., Electronic Components, Corning Glass Works, Bradford, Pa.

 SHAW, NATHANIEL K. (S'55-M'58), 1st Lt., USAF, Home: 129 Grumman Ave., Newark 12, N.J.

 SHAW, NOBLE C. (M'57), Relay Project Engr., Price Electric Co., Frederick, Md.

 SHAW, PETER D. W. (S'57-A'57), Technician I, Defence Research Northern Lab., Fl. Churchill, Man., Canada.

 SHAW, RAYMOND H. (A'46-M'48), Practitioner In X-rays & Electronic & Physical Medicine; Home: 66 Old South Head Rd., Vancluse, Sydney, N. S. W., Australia.

 SHAW, ROCHARD A. (A'52), Project Mgr., Wlancko Engrg. Co., 255 N. Halsted, Pasadena, Calif.

 SHAW, ROBERT A. (S'58-M'58), 81 Woolnough, Battle Creek, Mich.

- Creek, Mich.
 SHAW, ROBERT F. (S'35-A'43-M'45-SM'47), V. P.,
 Digitronics Corp., Albertson Ave., Albertson, L. I., N. Y.
 SHAW, ROBERT G. (A'45-M'48), Mem. Tech. Staff, Space
 Technology Labs., Inc., Box 95001, Los Angeles 45,
 Calif.
- SHAW, THOMAS M. (SM'58), Engr. (Microwave Physics), GE Co., 601 California, Palo Alto, Calif. SHAW, VINCENT G. (SM'48), Pres., Shaw Instrument Corp., 49 Verona Rd., Pittsburgh 21, Pa.

- 49 Verona Rd., Pittsburgh 21, Pa.

 SHAW, WARREN C., JR. (M'56), Dev. Engr., Aerojet
 Genl. Corp., Box 296, Azusa, Calif.
 SHAW, WESLEY H. (S'57-M'58), Staff Engr., Martin
 Co., Orlando, Fla.

 SHAW, WILLARD R. (S'50-A'52-M'56), Sr. Field Engr.,
 Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 SHAW, WILLIAM (M'53), Tech. Staff, Assoc. Mem., Bell
 Tel. Labs., 461 West St., New York 14, N.Y.

 SHAW, WILLIAM C. (S'57-A'58), Engr., Boeing Airplane Co., Seattle 24, Wash.

 SHAW, WILLIAM J. (W'57), Design Engr., RCA CommunicaSHAW, WILLIAM J. (W'57), Design Engr., RCA CommunicaSHAW, WILLIAM J. (W'57), Design Engr., RCA Communica-
- SHAW, WILLIAM J. (M'57), Design Engr., RCA Communications Co., 66 Broad St., New York 4, N.Y.
 SHAWDA, FLOYD E. (4'98), Sr. Tech. Writer, Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim,

- Calif.

 SHAWE, MERRICK E. (S'52-A'54), Instrumentation Engr., U.S. Army Corps of Engrs., E.M.C.D., 1st & Douglas Sis., N.W., Washington, D.C.

 SHAWEESH, HAMZEH M. (M'58), Ministry of Communications, Pc T & T, Amman, Jordan, SHAWHAN, E. NELL (A'43-M'55), Mgr., Applied Physics Sect., Sun Oil Co., Bishop Hollow Rd., Newton Square, Pa. SHAWHAN, E. NELL (M'43-M'55), Site Engr., Philococo., Middle River, Md.

 SHAWLER, CALVIN H. (M'54), Electronics Engr., Martin Co., Middle River, Md.

 SHAWL, WILLIAM C. (M'55), Site Engr., Philoc Co., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 SHAWVER, ERNEST F. (M'47), Div. Transmission Supvr., Southwestern Bell Tell Co., 1114 Texas Ave. Bildg., Houston 2, Tex.

- Houston 2, Tex.

 SHAY, JOHN A. (M'53), V.P. & Operations Mgr., WTV1, 310-320 N. Miami Ave., Miami, Fla.

 SHEA, EDWARD T. (A'57), Communications Officer, Dept. of State, American Embassy, Manifa, Phillippine Islands.

 SHEA, GERALD J. (M'56), Project Engr., Motorola, Inc., 4545 W. Augusta, Chicago 51, Jill.

 SHEA, JAMES E. (A'51-5'52-M'57), Sr. Engr., Perkin-Elmer Corp., Norwalk, Conn.

- SHEA, JAMES H. (A'50), Tech. Dir., Dev., Air Proving Ground Center, Eglin AFB, Fla.
 SHEA, RICHARD F. (A'29-M'32-SM'43-F'54), Consulting Engr., Knolls Atomic Power Lab., GE Co., Schenectady, N. Y.
- SHEA, ROBERT A. (SM'54), Mgr., Missile Engrg. Dept., Allen B. DuMont Labs., Inc., 35 Market St., East Pater-son, N.J.
- ATIEN B. DUMONT Labs., Inc., 35 Market St., Last Paterson, N.J.

 SHEA, ROBERT S. (M'57), Training Specialist, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 SHEAFFER, CHARLES F. (A'36-VA'39-SM'59), Video Engr., Oklahoma City, Okla.

 SHEAFOR, JIM D. (S'50-A'51-M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 SHEAR, HENRY (A'58), Engrg. Lab. Technician, Sanborn Company, 175 Wyman St., Waltham 54, Mass.

 SHEAR, HERBERT (S'35-A'54), Elec. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 SHEAR, ELON (S'57-M'59), Electronics Engr., Computer Control Co., 92 Broad St., Wellesley 57, Mass.*

 SHEARER, C. WILLIAM (M'53-S-M'58), Engr., Canadian Broadcasting Corp., Box 10, Snowdon, Montreal, P.Q., Canada.

 SHEARER, GERALD W. (S'56-M'57), Asst. Chief Engr.,

- P. U., Canada.
 SHEARER, GERALD W. (S'56-M'57), Asst. Chief Engr.,
 Crescent Engrg. & Research Co., 5440 N. Peck Rd., El
 Monte, Calif.
 SHEARER, HARRY W. (S'58-M'59), Electronics Engr.,
 Melpar, Inc., 3000 Arlington Blvd., Falls Church,
- Va... SHEARER, RALPH W. (S'39-A'42-M'55), Field Engr., GE Co., 235 Montgomery St., San Francisco 6, Calif. SHEARER, ROBERT L. (M'44), Mgr., Administration, Electronic Research Div., Clevite Corp., 540 E. 105 St., Cleveland 8, Ohio.
- St., Cleveland 8, Ohio.
 SHEARER, S. LARRY (A'48), Owner, Three-D Realty,
 Realtors, 11680 N.W. 7 Ave., Miami 50, Fla.
 SHECHET, MORRIS L. (A'54), Staff Scientist, Convair
 Scientific Research Lab., San Diego, Calif.
 SHECKLER, LYLE D. (S'54-M'55), Engr., Kaiser
 Aircraft & Electronics, 6225 Benore Rd., Toledo, Ohio.
 SHECTER, EDWIN S. (S'48-A'51-M'56), Asst. Dir.,
 Quality Control, Sonotone Corp., Box 200, Elmsford,
 N.Y.
- SHECTMAN, MARVIN (\$'56-M'58), Elec. Engr., RCA, Camden, N.J.
- Camden, N. J.
 SHECTMAN, NATHAN (S'49-A'49-M'55), Administrator, Project Coordination, RCA, Camden 8, N. J.
 SHEDD, IRVING A. (M'56), Sr. Project Engr., Hallamore Electronics Co., 1001 E. Broadway, Hawkhome, Calif.
 SHEDD, JOHN L. (M'56), Mgr., Storage Tube Dept., Hughes Aircraft Co., Los Angeles 45, Calif.
 SHEDKO, RAYMOND J. (S'55-M'56), Electronic Dev. Engr., Motorola Research Lab., Western Military Electronics Center, 8201 E. McDowell, Phoenix, Ariz.

- SHEEDER, ALLEN M. (A*54), Design Engr., RCA, Moorestown, N.J. SHEEHAN, JAMES S. (S*48-A*51-M*56), Chief Design Engr., Support Systems Lab., Emerson Electric Mfg. Co., 8100 W. Florissant, St. Louis 21, Mo.
- SHEEHAN, JOHN A. (5'49-A'50), Staff Engr., MIT Lincoln Lab., Lexington 73, Mass SHEEHAN, JOHN F. (A'53-M'58), Staff Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Roches-ter 9, N.Y.
- SHEEHAN, JOHN J. (A'57), 44 Main St., West Springfield, Mass.
- SHEEHAN, ROBERT P. (S'48-A'49-M'54), Chief Engr., Special Prods. Div., Sprague Electric Co., Moonev Blvd., Visalia, Calif.
- SHEEH, JOSEPH M. (S'52-A'53-M'58), Supvr., Quality Control, CRT Dept., Westinghouse Elec. Corp., Horseheads, N.Y. SHEER, CHARLES (M'43-SM'43), 487 Beatrice St.,
- Teaneck, N. J.

 NACK J. (A'47-M'50), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 SHEETZ, JOHN I. (S'47-A'50-M'58), Supvg. Engr., The Ohio Bell Tel. Co., 700 Prospect Ave., Cleveland 15, Ohio.
- ASI, Onio.

 SHEFER, JEHOSHUA (M'56), Scientific Attache, Embassy of Israel, 2 Palace Green, London, W. 8, England.

 SHEFFER, O. NEWELL (M'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.
- N.Y., SHEFFIELD, ALFRED G. (A'48-M'53-SM'57), Sales Mgr., T.M.C. (Canada) Ltd., River Rd., R.R. 5, Ottawa, Ont., Canada.
 SHEFFIELD, BERTHOLD (A'41-SM'56), Sr. Project Mem. Tech. Staff, Surface Communications Systems Lab., RCA, 75 Varick St., New York, N.Y.
- SHEFFIELD, RALPH D. (\$'56-M'59), 5606 W. Lover's Lane, Dallas 9, Tex.
 SHEFFIELD, THOMAS W. (\$'56-M'57), Sr. Engr., Radiation, Inc., Box 2040, Pinecastle Branch, Orlando, Fla.

- lando, Fia.

 SHEFFIELD, WARREN B. (SM'57), Head, Engrg. Dept., Sperry Phoenix Co., Phoenix, Ariz.

 SHEFFLER, WALTER J. (M'57), Sr. Engr., Govt.

 & Industrial Div., Philoc Corp., 4700 Wissahlckon
 Ave., Philadelphia 48, Pa.

 SHEFFS, JOHN F. (A'53), Co-Owner, Electro Sales
 Associates, 281 E. 216 St., Euclid 23, Ohio.

 SHEFFY, HARRY J. (M'55), Prop., Sheffy's Electronic
 Center, 725 S. Broad St., Littly, Pa.

 SHEFTELMAN, EUGENE H. (A'51-M'56), Mgr., Engrg.
 Programs Dept., National Co., 61 Sherman St., Malden,
 Mass.

 SHEFTMAN, FRANKLIN J. (Sieg Misco), S. (1977)

- Mass.

 SHEFTMAN, FRANKLIN 1. (S'58-M'59), Staff Mem MIT Lincoln Lab., Lexington 73, Mass.

 SHEGIRIAN, PERRY (S'48-A'51-M'56), Design & Dev. Engr., Norden Labs. Div., United Aircraft, 58 Commerce Rd., Stamford, Conn.

 SHEIN, SAUL (S'47-A'49), 5453 Selmaraine Dr., Culver City, Calif.

 SHEINGOLD, ABRAHAM (A'44-M'50), Prof., Electronics, U.S. Naval Post-Graduate School, Monterey, Calif.

 SHEINGOLD, DANIEL H. (S'47-A'50-M'55), Dir., Applications Engrg., Geo. A. Philbrick Researches, Inc., 285 Columbus Ave., Boston 16, Mass.

- SHEINGOLD, LEONARD S. (S'47-A'51-M'55-SM'55), Mgr., Applied Research Labs., Sylvania Elec. Prods., Waltham, Mass.
- Waltham, Mass.

 SHEITELMAN, HENRY D. (M'48), Electronics Engr., Dept. of Army, OCSigO, Pentagon, Washington 25, D.C.

 SHEKEL, JACOB (A'52-M'55-SM'57), Head, Electronics Div., Scientific Dept., Ministry of Defense, Box 7063, Hakirya, Tel Aviv, Israel.

 SHEKEL, HOWARD D. (SM'54), Computer Planning, Control Data Corp., 501 Park Ave., Minneapolis, Minn. SHEKER, EUGENE B. (A'47-M'55), Instrument Engr., Westinghouse Elec. Corp., Susquehanna St., Pittsburgh 30, Pa. SHEKRO, CHRISTE M. (M'58), Engrg. Evaluator, Crosley Div., Aveo Mfg. Corp., 1329 Arlington St., Cincinnati, Ohio.

- Div., Avco Mg. Corp., 1329 Arlington St., Cincinnati, Ohio.

 SHELDON, EDWARD E. (A'55), Physician, Diplomat of Board of Radiology, Dir., Sheldon X-Ray Research Institute, 30 E. 40 St., New York 16, N.Y.

 SHELDON, EDWARD J. (A'51-M'58), Electronics Engr., Raytheon Mfg. Co., Maynard, Mass.

 SHELDON, HOWARD W. (S'41-A'44-M'51-SM'57), Sect. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 SHELDON, JOHN L. (SM'53-F'56), Staff Research Mgr., Elec. Prods. Div., Corning Glass Works, Corning, N.Y.

 SHELDON, JOSEPH K. (A'58), Research Engr., Boeing Airplane Co., Seattle, Wash.

 SHELDON, MARC (A'53-M'59), Dev. Engr., 244 W. 72 St., New York 23, N.Y.

 SHELDON, PHILIP H. (S'57-M'57), Assoc. Design Engr., Lockheed Aircraft Corp., Burbank, Calif.

 SHELDON, ESLIE L. (A'53-M'59), Quality Engr., IBM, Poughkeepsie, N.Y.

 SHELL, SUGENE F. (M'51), Sr. Engr., MHitary Prods. Div., IBM, Owego, N.Y.

 SHELL, BUGENE F. (M'51), Sr. Engr., MHitary Prods. Div., IBM, Owego, N.Y.

 SHELL, BUGENE F. (M'51), Sr. Engr., MHitary Prods. SHELL BARGER, JOHN N. (A'45-M'55), Dir., Tech. Support, Pacific Missile Range, Point Mugu, Calif.

 SHELLEY, ALBERT L. (M'577), Test Engr., Tektronix, Inc., Box 831, Portland 7, Ore.

 SHELLEY, BERNARD J. (M'58), 24 Westbourne Ct., London WZ, England.

- Inc., Box 831, Portland 7, Ore.
 SHELLEY, BERNARD J, (M'58), 24 Westbourne Ct.,
 London W2, England.
 SHELLEY, EDWIN F. (J'41-A'42-SM'52), Dir., Advanced Programs, U. S. Industries, Inc., 250 Park Ave.,
 New York 17, N.Y.; Pres., USI Robodyne Div., U.S.,
 Industries. Inc., 8411 2nd Ave., Silver Spring, Md.
 SHELLEY, RULON G. (A'54-SM'58), Mgr., Armament
 Control Engrg., Autonetics Div., No. Amer. Aviation,
 Downey, Calif.

- Downey, Calif.

 SHELLHAMMER, ORIN K. (S'55-M'56), 1st Lt., USAF, 506 Bom Ron, Chennault AF6, La.
 SHELLOK, JOHN V. (S'52-A'53), Lab. Technician, RCA, Moorestown, N.J.

 SHELOR, EDGAR G., JR. (S'50-A'51-M'53), Systems Engr., Bendix Aviation Corp., Baltimore 4, Md.

 SHELTON, AARON C. (A'42-M'45-SM'58), Chief Engr., WSM-TV, WSM, Inc., 7 & Union Sts., Nashville 3, Tenn.
- Tenn.

 SHELTON, CHARLES T. (S'51-A'53-M'57), Engrg. Leader, RCA, Camden, N.J.

 SHELTON, CLARENCE H. (M'55), Sr. Electronics Engr., Avco Research & Advanced Development Div., 201 Lowell St., Wilmington, Mass.

 SHELTON, EARL J., JR. (A'47-M'55), Mgr., High Power Tube Lab., Raytheon Mfg. Co., Spencer Lab., Burlington, Mass.

- ton, Mass.

 SHELTON, EUGENE D. (S'53-A'54), Service Engr., Sears, Roebuck & Co., 925 S. Homan, Chicago 7, III.

 SHELTON, GENTRY L., JR. (A'55-M'55), Engr., GE Co., Advanced Electronics Center, Ibhaca, N.Y.

 SHELTON, HASKELL C, (A'51), Partner, S. & S. Radio Supply, 537 S. Kenosha Ave., Tulas 4, Okla.

 SHELTON, JOHN A. (M'55), Elec. Engr., RCA, Camden 2, N.
- SHELTON, JOHN P., JR. (M'56), Staff Consultant, A.G.A. Corp., 1914 Duke St., Alexandria, Va.
- Corp., 1914 Duke St., Alexandria, Va.
 SHELTON, JOHN T. (S'48-A'49-M'55), V.P., Mgr., Land-Air, Inc., Box 2327, Cheyenne, Wyo.
 SHELTON, PAUL W. (S'54-A'55), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SHELTON, RICHARD E. (M'58), Mem. Tech. Staff, Hughes Communications Div., Box 90902, Los Angeles 45, Calif.
 SHELTON, RICHARD M. (M'55), Assoc. Engr., Burroughs Corp., Paoli, Pa.
 SHELTON, ROBERT G. (S'56-M'58), Asst. Engr., Pacific Telephone & Telegraph Co., 760 Market St., San Francisco, Calif.

- Calif.

 SHELTON, WILLIAM C. (M'53-SM'57), Chief Engrg. Research Branch, Electronic Warfare Dept., U. S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.

 SHEM, IGOR (M'57), Project Engry., RCA, Govt. Dept., Missile Test Project, Patrick AFB, Fla.

 SHEMANSKE, RICHARD (M'54), Research Engr., Borg-Warner Research Center, Des Plaines, III.

 SHEMK, EUGENE R. (SM'46), Pres., Pulse Techniques, Inc. 1411 Palisade Ave., West Englewood, N.J.

 SHEMK, JAMES W. (S'55-M'57), Systems Engr., Consolidated Systems Corp., 1500 Sharmock, Mornovia, Calif.

 SHENK, JOHN J. (A'53-M'58), Supw., Field Engrg., CBS Hyton, 32 Green St., Newark 2, N.J.

 SHENOY, P. RAMADAS (S'55-M'58), "A" Engr., RCA, Camden, N.J.

 SHENTOW, WILLIAM E. (S'56-M'56), Applications Engr.,
- Camden, N.J. SHENTON, WILLIAM E. (S'56-M'56), Applications Engr., Radio Valve Co., Ltd., 189 Dufferin St., Toronto 3, Ont., Canada. SHEPARD, B. R. (A'43-SM'53), Mgr., Computer Engrg., GE Co., Ordnance Dept., 100 Plastics Ave., Pittsfield, Mass.
- SHEPARD, DAVID H. (SM'54), Pres., Intelligent Machines Research Corp., 7019 Edsall Rd., Research Park, Alexandria, Va.
- Alexandria, Va.

 SHEPARD, EDWARD S., SR. (A'47-M'54), Head,
 Reliability Group, Goodyear Alrcraft Corp., Litchfield
 Blvd., Litchfield, Ariz.

 SHEPARD, FRANCIS H., JR. (A'45-M'55), Pres., Shepard
 Labs., Inc., 480 Morris Ave., Summit, N.J.

 SHEPARD, RALPH H. (A'58-M'58), Engrg. Supvr., Electronics Pilot Plant, Kearfott Co., Inc., 1378 Main Ave.,
 Clifton, N.J.

- 375 -SHE-SHI

- SHEPARD, ROBERT M. (A'54), Equipment Engr., Western Electric Co., 100 Central Ave., Kearney, N.J. SHEPARD, W. HARDIE (A'56), Partner, Payson & Trask, 748 Madison Ave., New York 21, N.Y. SHEPARD, WARREN (A'53–M'59), Mgr., Computer Sales, Litton Industries, Inc., 10916 Washington Blvd., Culver City, Calif.

- Litton industries, Inc., 10/16 Washington Bivo., Juliver City, Calif.

 SHEPARD, WAYNE D. (A'31-M'46), Asst. Mgr., Engrg.
 Denot, Army & Air Force Motion Picture Service, Bldg. 207C,
 Goodfellow & Elward, St. Louis 20, Mo.
 SHEPARD, WILLIAM H. (S'44-A'46-M'55), Engr., Shepard
 Niles Crane & Hoist Coro., Montour Falls, N. Y.
 SHEPERTYCKI, THEODORE H. (S'54-A'54), Jr. Research
 Officer, Natl. Research Council, Montreal Rd. Labs., Ottawa,
 Ont., Canada.
 SHEPHARD, CHARLES S. (A'57), Electronics Design Draftsman, Mare Island Naval Shipyards, Vallejo, Calif.
 SHEPHARD, ROMALO W. (SM'56), Prof., Industrial Engrg.,
 Univ. of California, Berkeley, Calif.
 SHEPHERD, BRUCE R. (M'57), Electronics Engr., GE Co.,
 Cleveland 10, Ohio.
 SHEPHERD, JAMES E. (A'36-SM'44-F'48), Mgr., Electronic Tube Div., Sperry Gryoscope Co., Great Neck, L.I.,
 N.Y.
 SHEPHERD, JAMES F. (A'44-M'55), Electronics Engr., Nor-

- N.T.
 SHEPHERD, JAMES F. (A'44-M'55), Electronics Engr., Norfolk Naval Shipyard, Portsmouth, Va.
 SHEPHERD, JOHN H., JR. (A'54-M'59), Group Leader, Research, Missile Systems Div., Lockheed Aircraft Co., Van Nuys, Calif.

- search, Missile Systems Div., Lockheed Aircraft Co., Van Nuys, Calif.

 SHEPHERD, LLOYD P. (A'49-M'55), Supvy. Engr., Hazeltine Corp. Little Neck 62, L. I., N.Y.

 SHEPHERD, MARK, JR. (SM'53), V.P., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas, Tex.

 SHEPHERD, MAURICE F. (M'47), Supvy. Electronics Engr., FAA, Box 1689, Ft. Worth, Tex.

 SHEPHERD, MAURICE F. (M'47), Supvy. Electronics Engr., GOI California St., Palo Alto, Calif.

 SHEPHERD, NEAL H. (SM'54), Advanced Prod. Engr., Mobile Systems, GE Co., Syracuse, N.Y.

 SHEPHERD, RAYMOND C. (A'57), Rep., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 BEPHERD, REEVES T. (S'57-M'57), Asst. Project Engr., Bendix Radio, Towson 4, Md.

 SHEPHERD, SAMUEL G., JR. (A'57), Engr., Aide, Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 SHEPHERD, WILLIAM G. (A'42-SM'49-F'52), Prof. & Head, Elec. Engro. Dept., Univ. of Minnesota, Minneapolis 14, Minn.

 SHEPHERD, WILLIAM P. (S'56-M'57), Engr., Ohio River
- Head, Elec. Engrg. Dept., Univ. of Minnesota, Minneapolis 14, Minn.

 SHEPHERD, WILLIAM P. (S'56-M'57), Engr., Ohio River Sand & Gravel Corp., Box 161, New Martinsville, W. Va. SHEPLEY, LEONARD (A'36), Owner, Triangle Electronic Service, 214 Richter, River Rouge 18, Mich. SHEPP, RICHARD E. (M'54), Project Engr., GE Co., Syracuse 1, N.Y.

 SHEPPARD, C. BRADFORD (S'41-A'44-M'45), Consultant, 765 Moredon Rd., Meadowbrook, Pa.

 SHEPPARD, DON E. (A'58), Tech. Illustrator, Continental Electronics, 4212 S. Buckner Blvd., Dallas, Tex. SHEPPARD, DONBALD C. (M'56), Research Engr., Naval Research Lab., Vanguard Operations, Cape Canaveral, Fla. SHEPPARD, EDMUND M. (S'54-M'56), Instr., Elec. Engrg., Purdue Univ., School of Elec. Engrg., Lafayette, Ind. SHEPPARD, GLENN E. (M'49), Physicist, O.A. Sutton, Oil & Investments, 407 Insurance Blde, Wichita, Kan.

 SHEPPARD, JAMES H., JR. (M'57), TV Broadcast Technician, WCCO-TV, 50 S. 9 St., Minneapolis, Minn.

 SHEPPARD, JOHN J., JR. (SM'59), 1923 Linden Rd., Winter Park, Fla.

 SHEPPARD, JOHN J., JR. (SM'59), Missile Systems

- SHEPPARD, JAMES H., JR. (SM'59), 1923 Linden Rd., Winter Park, Fla.

 SHEPPARD, JOHN J., JR. (A'45-M'55), Missile Systems Test, Boeing Airplane Co., Box 3707, Seattle 24, Wash. SHEPPARD, LEONARD E. (S'55-M'57), Dev. Engr., Lab. for Electronics, 75 Pitts St., Boston, Mass.

 SHEPPARD, REGIRALD D. B. (S'48-A'50-M'52-SM'56), Field Engr. & Tech. Rep., R.D. B. Sheppard, 2036 Prince Charles Rd., Ottawa 3, Ont., Canada.

 SHEPPARD, ROBERT (M'56), Sect. Head, Radar Installation Engrg., Air Materiel Command Hgrs., Dept. of Natl. Defence (RCAF), RCAF Sta., Rockcliffe, Ont., Canada.

 SHEPPARD, THOMAS W. (M'47), Elec. Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md. SHEPPARD, IRVING J. (S'40-A'41-M'47), Radio Engr., Apolied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

 SHER, BERNARD L. (S'55-M'56), Research Engr., No.

- Spring, Md.
 SHER, BERNARD L. (S'55-M'56), Research Engr., No. Amer. Aviation, Downey, Calif.
 SHER, FRED D. (A'47-M'56), V.P., Engrg., Flex Prods. Corp., 231 Meadow Rd., Rutherford, N.J.
 SHER, HAROLD T. (S'50-A'51-M'56), Pres., Spec
 Electronics, Inc., Monmouth County Airport, Box 468, Asbury Park, N.J.
- ASSUTY Park, N. J.
 SHER, NISSON (A'47-M'52), Research Sect. Mgr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 SHERBIN, LEONARD E. (A'43-M'48-SM'56), Cansolidated Airbome System, Inc., 72 E. 2nd St., Mineola, L.I., N.Y SHERBNO, JOHN C. (A'57), 707 Jefferson St., Defiance, Ohio.
- Ohio.

 SHERBUNDY, CLARENCE D. (A'57), Electronics Technician, U. S. Army Electronic Proving Ground, Ft. Huachuca, Ariz. SHERBURNE, ARTHUR E. (S'49-A'51-M'56), Research Engr., Trans-Sonics, Inc., Burlington, Mass.

 SHERBURNE, CHARLES J. (A'43-M'45), Sr. Electronics Engr., Convair-Astronautics, San Dlego, Calif.

 SHERBURNE, FREDERICK B. (A'47), Technician, Evans Signal Lab., Belmar, N. J.

 SHERER, LEWIS M. (SM'50), Secy-Treas., Radio Tech. Commission for Aeronautics, 16 & Constitution Ave., N.W., Washington 25, D.C.

 SHERER, PAULI N. (M'59), Assoc. Research Engr., Jet

- Washington 25, D.C.
 SHERER, PAUL N. (M'59), Assoc. Research Engr., Jet
 Propultion Lsh , Pasadena, Calif
 SHERERTZ, PAUL C. (S'42-A'45-M'55), Design Specialist,
 Convair, San Diego, Calif.
 SHERFEY, MARVIN O. (S'58-M'59), 2676 S. 69, Milwaukee 19, Wis.
 SHERGALIS, DONALD J. (M'59), Avionics Engr., Grumman
 Aircraft Corp., Bethpage, L.I., N.Y.
 SHERGALIS, LAWRENCE D. (M'58), Editor, Hayden Publishing Co., 830 3rd Ave., New York 22, N.Y.

- SHERIDAN, CHARLES J. (A'48-M'55), Pres., Sheridan Associates, Inc., Roselawn Center Bidg., Cincinnati 37 Ohio.
- Ohio.
 SHERIDAN, EDWARD W. (S'39-A'41), Mgr., Weapon Systems Projects, RCA Defense Electronic Prods., Airborne Systems Dept., Camden 2, N.J.
 SHERIDAN, THOMAS R. (A'54-SM'58), Mem. Tech. Staff, RCA, Rocky Point, L.I., N.Y.
 SHERIDAN, WALTER F. (A'46), Electronic Scientist, Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

- Bedford, Mass.

 SHERIDAN, WILLIAM R. (S'55-M'58), Lt., USN, Staff-Com. Des. Ron. Four, FPO, New York, N.Y.

 SHERIFF, DAVID R. (S'46-M'49-SM'57), Sr. Staff Engr., Engrg., Research & Development, Genl. Mills, Inc., Minneapolls 13, Minn.; Consulting, IBM, Owego, N.Y.
- SHERK, PETER M. (M'55), Stanford Research Institute, Menlo Park, Calif. SHERMAN, ALBERT (S'50-A'52), Elec. Engr., RCA, Camden 2, N.J.

- Camden Z, N.J.
 SHERMAN, ANSON G. (M'57), Dir. of Research & Dev.,
 Dry Screen Process, Inc., 1016 Madison Ave., Pittsburgh 12, Pa.
 SHERMAN, ARNOLD (M'58), Research & Dev. Engr.,
 Industrial Div., Speidel Corp., 89 Ship St., Providence
 2, R.J.
- 2, R.I.

 SHERMAN, ARTHUR E., JR. (S'56-A'58), Electronics Inspector, Western Electric Co., Jersey City, N.J.

 SHERMAN, AUBREY B.L. (M'59), Telecommunications Dept., Box 48, Nassau, N.P. Bahamas.

 SHERMAN, BERNARD N. (S'45-A'51-M'56), Supvy. Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, P.Q., Canada.

 SHERMAN, CHARLES M. (A'46), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 SHERMAN, DAVID (S'50-M'55), Sr. Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

- 1, N.Y.

 SHERMAN, DAVID A. (S'58-A'59), Electronics Scientist, USN Underwater Sound Lab., New London, Conn.

 SHERMAN, DONALD (S'50-A'52-M'57), Engrg., Branch Mgr., Missile Systems Div., Raytheon Mfg. Co., Bedford Airport, Bedford, Mass.

 SHERMAN, EDWARD H. (S'50-A'51-M'53-SM'56), Sr. Engr., Crosby Labs., Inc., 299 Robbins Lane, Syosset, L.I., N.Y.

 SHERMAN, ELBERT W. (A'51), Pres., The Mackenzie Prods., Co., 9 E. Wesley St. South Hackensack, N.J.

 SHERMAN, FREDERICK L. (S'38-A'41-M'55), Pres., Philos Radio e Televisao S.A., Caixa Postal 4753, Sao Paulo, Brazil.

 SHERMAN, HAROLD W. (S'49-A'50-M'56), Graduate
- PRINCO RADIO DE TELEVISAO S.A., CAIXA POSSAI 473, SAO PAUIO, BRAZII.

 SHERMAN, HAROLD W. (S. '49-A'50-M'56), Graduate Research Asst., Willow Run Labs., The Univ. of Michigan, Box 2008, Ann Arbor, Mich.

 SHERMAN, HERBERT (A'56), Project Engr., Loral Electronics, 825 Bronx River Ave., Bronx 72, N.Y.

 SHERMAN, HERBERT (S. '40-A'41-M'44-SM'49), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 SHERMAN, HOWELL (A'57), Chief Clinician, Chiropody Dept., Paterson RJ. of Health, Paterson, Nuclear-Chicago Corp., 333 E. Howard St., Des Plaines, III.

 SHERMAN, JAMES D. (S'56-M'57), Instr., Alabama Polytechnic Institute, Aubum, Ala.

 SHERMAN, JESSE B. (J'28-A'32-VA'39-SM'50), Prof., Elec. Engro. Dept., Cooper Union, Cooper Sq., New York 3, N.Y.

 SHERMAN, JOHN E. (M'58), Sect. Head, Analog Analy-

- SHERMAN, JOHN E. (M'58), Sect. Head, Analog Analysis Sect., Lockheed Missile Systems Div., Palo Alto, Calif.
- Cair.

 SHERMAN, JOHN H. (S'47-A'49-M'55), Quartz Crystal
 Engr., GE Co., CPD, Mountain Vlew Rd., Lynchburg, V
 SHERMAN, JOHN M. (M'42-SM'43), Dir. Engrq., Midwest Radio-Television, Inc., WCCO, WCCO-TV, 50
 S. 9 St., Minneapolis 2, Minn.
- SHERMAN, KENNETH S. (A'43-SM'49), Assoc. Prof., Elec. Engrg., Fenn College, 1983 E. 24 St., Cleve-land 15, Ohio.
- land 15, Ohio.

 SHERMAN, MAX (S'54-A'55), Electronics Tester,
 Spery Gyroscope Co., Great Neck, L.I., N.Y.

 SHERMAN, MICHAEL (S'55-M'57), Mem. Tech. Staff.
 The Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd.,
 Los Angeles 45, Calif.

- Los Angeles 45, Calir.
 SHERMAN, MILTON R. (M'56), Sr. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.
 SHERMAN, PAUL (A'53), Chief Engr., Pyroferric Co., Inc., 621 E. 216 St., New York 67, N.Y.
 SHERMAN, PHILIP (S'50-4'54), Design Engr., GE Co., Elmwood Ave., Philadelphia, Pa.
- Elmwood Ave., Philadelphia, Pa.

 SHERMAN, RICHARD W. (S'56-A'59), Sr. Tech. Asst., Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.

 SHERMAN, RUPERT G. (A'54), Engr., GE Co., East Hill Airport, Ithaca, N.Y.

 SHERMAN, SAMUEL M. (M'49-SM'53), Systems Engr. Leader, Missile & Surface Radar Dept., RCA, Moorestown, N.J.

 SHERMAN SAMIL (S'48-A'50), Elso, Port Elso.

- SHERMAN, SAUL (S'48-A'50), Elec. Design Engr., Consultant, 315 74 St., North Bergen, N.J. SHERMAN, SEYMOUR (S'48-A'49-M'54), Sr. Staff Mem., Genl. Precision Lab., Pleasantville, N.Y.
- SHERMAN, SHELDON M. (S'58-M'59), Radar Engr., Emerson Electric Co., 8100 W. Florissant Ave., St. Louis, Mo. SHERMAN, VERNON W. (SM'44), Consultant, Manton, Rte. 2, Mich.
- Rte. 2, Mich.
 SHERMAN, WARREN K. (A'28-VA'39-M'55-SM'56),
 Assoc. Prof., Elec. Engrg., School of Engrg. & Arch.,
 Howard Univ., 2300 6 St., N.W., Washington 1, D.C.
 SHERMAN, WILSON R. (SM'52), Supvr., Fleld Engr.,
 Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 SHERR, SAVAI. (A'57), Mgr., Administrative Engrg.,
 Internatl. Resistance Co., 401 N. Broad St., Philadel-
- phia 8, Pa.

 SHERR, SOLOMON (SM'53), Assoc. Head, Compu Engry., Genl. Precision Lab., Inc., Pleasantville N.Y.
- SHERRICK , DAVID C . (M'53) , Mng . Dir . , Smith-Corona Marchant , Inc . , 472 Park Ave . , Highland Park , III .

- SHERRILL, BOB A. (S'56-M'58), Staff Asst., Exec. Dept., Southwestern Bell Tel. Co., 308 S. Akard St., Dallas 2, Tex.
 SHERRILL, HUGH P. (A'59-M'59), Electronics Engr., FAA, Washington 25, D. C.
 SHERRILL, PETER N. (A'55), Mktg. Promotion & Publications Mgr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 SHERRON, ROGER J., JR. (A'40-M'55), Capt., Pan American World Airways, Internatl. Airport, San Francisco 28, Calif.

- SHERRY, JOSEPH J. (S'55-M'56), Test Equipment Modification Engr., Hughes Aircraft Co., Culver City, Calif.
- Calif.

 SHERRY, LEONARD I. (S'51-A'52-M'57), Sr. Research
 Engr., Defense Prods. Div., Fairchild Camera & Instrument
 Corp., 5 Aerial Way, Syosset, L.I., N.Y.

 SHERRY, MURRAY E. (S'54-M'57), Physicist, Air
 Force Cambridge Research Center, Bedford, Mass.

 SHERRY, ROBERT S. (S'43-A'44-M'55-5M'56), Sect.
 Chief, Electronic Systems, Missies Div., Republic Aviation, 223 Jericho Toke., Mineola, L.I., N.Y.
- SHERWIN, GEORGE W. (A'57), Project Leader, Pitts-burgh Plate Glass Co., Box 11472, Pittsburgh, Pa. SHERWIN, JAMES S. (M'56), Internati. Geophysical Year, Bureau of Standards, Little America Sta., Antarc-
- SHERWOOD, DAVID M. (SM'53), Chief Engr., Underwater Ordnance & Sonics, Bendix Aviation Corp., 11600 Sheman Way, North Hollywood, Calif.

 SHERWOOD, EDWIN M. (A'37-VA'39-M'55), Div. Consultant, Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

- sultant, Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.

 SHERWOOD, EDWIN T. (A'38-SM'44), Engr., Chg., Electro-Mechanical Devilla Design, Globe-Union, Inc., 900 E. Keefe Ave., Milwaukce 1, Wis.

 SHERWOOD, HARRY R. (A'42-M'47-SM'53), Sr. Project Engr., 1TT Labs., Belleville, N.J.

 SHERWOOD, JACK N. (M'58), Avionics Sales Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz.

 SHERWOOD, JOHN R. (SM'56), Group Head, Collins Radio Co., Cedar Rapids, Iowa.

 SHERWOOD, POBERT M. (M'47-SM'53), Head, Noise & Vibration Sect., Code 375, Bureau of Ships, Navy Dept., Washington 25, D.C.

 SHESTAG, LOWELL N. (S'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SHETLER, RICHARD L. (S'43-4'43-M'55), Genl. Mgr., Defense Systems Dept., GE Co., Syracuse, N.Y.

 SHEVIER, RICHARD L. (S'43-4'43-M'55), Genl. Mgr., Defense Systems Dept., GE Co., Syracuse, N.Y.

 SHEVIER, PENRY C. (A'39-VA'39), Dir., Technological Planning & Military Contracts Dept., Stromberg-Carlson Co., 1,400 N. Goodman St., Rochester 9, N.Y.
- 1400 N. Goodman St., Rochester 9, N.Y.
 SHEVICK, PHILIP (S'50-M'57), Dir, Engrg., Nuclear-Chicago Corp., 333 E. Howard St., Des Plaines, Ill.
 SHEW, LESTER F. (M'57), Assoc. Engr., IBM, 99 Notre Dame Ave., San Jose 10, Calif.
 SHEWAN, WILLIAM (M'52), Chmm., Dept., Elec. Engrg., Valparalso Univ., Valparalso Univ., Valparalso Univ., Valparalso Univ., Valparalso, Ind.
 SHEY, PAUL F. (M'56), Communications Equipment Engr., Signal Div.-SHAPE, APO 55, New York, N.Y.
 SHIBATA, ALVIN M. (S'53-A'54), Electronics Technician, GE Co., Utica, N.Y.
 SHIBATA, KOJIRO (M'56), Staff Engr., Wireless Comm.

- GE Co., Utlca, N.Y.
 SHIBATA, KOJIRO (M'56), Staff Engr., Wireless Comm.
 Div., Bureau of Comm. Natl. Police Agency, Kasumigaseki,
 Chiyoda-ku, Tokyo, Japan.
 SHIBATA, YUKIO (M'57), Instr., School of Engrg., Tohoku
 Univ., 5 Sakura-Koji, Sendal, Japan.
 SHIBAER, WILLIAM (S'52-A'54), Engr., RCA, Camden,
- N.J.
 SHIBUYA, YOSHIMARO (M'56), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5730 Arbor Vitae, Los Angeles, Calif.
 SHIELD, CHARLES F., JR. (S'50-A'50-M'56), Engr. & Sect. Leader, Alricart Installation Engrg., Flight Evaluation Center, IBM, Owego, N.Y.
 SHIELD, RAYMOND G., JR. (S'49-A'50-M'55), Dev. Engr., Aerojet-Genl. Corp., Azusa, Calif.
- SHIELDS, EDGAR T. (S'50-A'52), Design Engr., Thompson-Ramo-Wooldridge, Inc., 7209 Platt Ave., Cleveland,
- SHIELDS, RALPH R. (M'50), Prod. Sales Mgr., Cathode Ray Tube Operations, Sylvania Elec. Prods., Inc., Seneca Falls, N.Y.

- Falls, N.Y.
 SHIELDS, ROBERT E. (S'58-M'59), Components Applications Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
 SHIELDS, WILLIAM T. (S'56-A'58), Test Techniclan, Litton Industries, 5089 Calvert Rd., College Park, Md. SHIELS, PAUL B. (A'57), Electronics Engr., Baird-Atomic, Inc., 7 University Rd., Cambridge 38, Mass.
 SHIENBLOOM, HARRY M. (A'56), Project Engr., U.S.
 Army Signal Supply Agency, 225 S. 18 St., Philadelphia 3, Pa.
 SHIEPE FOWARD M. (MISS), Mar. Chief Fage., Delby

- 3, Pa.

 SHIEPE, EDWARD M. (M'51), Mgr., Chief Engr., Delta Radio Co., 115 Worth St., New York 13, N.Y.

 SHIERS, GEORGE (M'57), Electronics Instr., Adult Education Center, Santa Barbara City Schools, 914 Santa Barbara St., Santa Barbara, Calif.

 SHIGEMOTO, FRED H. (S'57-M'58), 711 W. Grand Blvd., Corona, Calif.

 SHIGEMOTO, JOHN M. (A'56-M'59), Jr. Engr., Research "A", Lockheed Aircraft Corp., Burbank, Calif.

 SHIGETOMI, SAMPSON S. (A'56), Electronics Instr., Honolulu Tech. School, 874 Dillingham Blvd., Honolulu, Hawaii.

- Honoliul Tech. School, 874 Dillingham BVD., Honoliul Hawali SHIH. SAMUEL L. (M'59). Enor., GE Co.. Svracuse. N.Y. SHIH, WEI MING (M'57), Design Engr., Remington Rand Univac, 19 & Allegheny Ave., Phildelphia, Pa. SHILKOFF, MICHAEL (S'57–M'59), Engr., Alroome Instrument Lab., Mineola, L.I., N.Y. SHILLINGBURG, THOMAS D. (A'59), Instrumentation Technician, Fairchild Semiconductor Corp., Palo Alto, Calif. SHIMABUKURO, FRED I. (S'35–M'56), Elec. Engr., Dept., California Institute of Technology, Pasadena, Calif. SHIMABUKURO, GEORGE T. (S'52–A'54–M'58), Electronics Engr., Electropata Corp., Pasadena, Calif. SHIMABUKURO, KAZUO (A'58), Assoc. Engr., Jansky & Bailey, Inc., 1339 Wisconsin Ave., Washington, D.C. SHIMADA, GEORGE (A'50–M'56), Electronics Engr., Convair, Pomona, Calif.
- SHIMADA, KATSUNORI (M'59), Asst. Prof., Univ. of Washington, Seattle 5, Wash.

- SHIMANDLE, JOSEPH G. (M'57), Field Engr., Philco Corp., Philadelphia, Pa. SHIMBORI, MASAYOSHI (SM'58), Kokusal Denshin Denwa Co., 5 Ohtemachi 1 Chome, Chiyoda-Ku, Tokyo, Japan.
- SHIMER, RICHARD B. (M'57), V.P., Kenyon Transformer Co., Inc., 1057 Summit Ave., Jersey City 7, N.J. SHIMIZU, JAMES K. (S'51-A'52-M'57), Research Engr., Stanford Research Institute, Menlo Park, Calif.
- Stainford Research Institute, Menio Park, Calif.
 SHIMIZU, KAORU (MISB), Design Engr., No. Amer. Aviation, Los Angeles 45, Calif.
 SHIMIZU, RINJIRO (SMIS6), Chief of Patent & Library Sect., Electrical Communication Lab., Nippon Telegraph & Telephone Public Corp., 1551, Kichijoji Musashino-shi,
- Telephone Public Corp., 1551, Kichijoji Musashino-shi, Tokwo, Japan.

 SHIMP, GEORGE H. (S'56-A'58), 23 Brookslde Rd., West Orange, N.J.

 SHINE, FUGENE F. (S'55-M'56), Lt., USN, Sparrow I Guided Missile Project Officer, U. S. Naval Air Missile Test Center, Point Mugu, Calif.

 SHINE, GLENN L. (S'57-A'58), Electronics Technologist, Queens Univ., Kingston, Ont., Canada.

 SHINER, GEORGE A. (S'51-A'55), Electronics Engr., Rome Air Development Center, Rome, N.Y.

 SHINGLER, DONALD F. (A'52), Elect. Engr., Radiation.

- SHINGLER, DONALD F. (A'52), Elec. Engr., Radiation, Inc., Box 37, Melbourne, Fla.
- inc., Box 37, Melbourne, Fla.
 SHINKAWA, HIROSHI (SM¹58), Kokusai Denshin Denwa
 Co., 5 Ohtemachi I Chome, Chiyoda-Ku, Tokyo, Japan.
 SHINN, CHARLES E. (SM¹56), Dir., Research & Dev.,
 Royal McBee Corp., 1031 New Britain Ave., West Hartford
 10, Conn.

- 10, Conn.
 SHINN, EVERETT N. (A'45), Electronic Scientist, FCC,
 Box 31, Laurel, Md.
 SHINN, LAMONT A. (S'53-M'57), Engr., Melpar, Inc.,
 3000 Arlington Blvd., Falls Church, Va.
 SHINNERS, STANLEY M. (S'53-A'54), Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 SHINDDA, KIYOSHI (S'54-M'57), Equipment Engr.,
 Douglas Aircraft, Inc., 3000 Ocean Park Blvd., Santa
 Monica, Calif.
- Monica, Calit.
 SHINTANI, ROY S. (S'52-A'54), Transmission Engr.,
 Canadian Natl. Telegraphs, 151 Front St., W.,
 Toronto, Ont., Canada.
 SHIOWITZ, MARC (&'52-M'57), Pres., Marc Shiowitz
 & Associates, Inc., 13520 S. Crenshaw Blvd., Gardena,
 Calif.
- Calif.

 SHIOZAKI, YOSHIHIRO (A'56), Asst. Chief, Inspection 1st Sect., Central Procurement Office, Self Defense Agency, Kasumigaseki, Chiyoda-Ku, Tokyo, Japan.

 SHIPE, JOHN J. (A'55), Sr. Electronics Technician, Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo. SHIPEK, ROBERT H. (S'42-A'44-M'55), Seattle District Mgr., Bussmann Mfg. Div., McGraw Edison Co., 95 Connecticut St., Seattle 4, Wash.

 SHIPLET, KEITHE. (S'50-A'51-M'57), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C. SHIPLET, DARYL W. (A'49-M'51), Advanced Research Engr., Sylvania Elec. Prods., Inc., 208-20 Willets Point Blvd., Bayside, L.I., N.Y. SHIPLEY, DON G. (A'53), Engr., RCA Labs., 140 Lake

- SHIPLEY, DON G. (A/53), Engr., RCA Labs., 140 Lake Ave., Riverhead, L.I., N.Y. SHIPLEY, ELWOOD D. (A'40-M'55), Dir., Thermonuclear Experimental Div., Oak Ridge Natl. Lab., Box Y, Oak Ridge,
- SHIPLEY, TRUETT D., JR. (S'55-M'59), Electronics Engr., Convair-Astronautics, San Diego, Callf. SHIPLEY, WRAY U. (M'55), Engr., GE Co., 316 9 St., Owensboro, Ky.

- Owensboro, Ky.

 SHIPMAN, HULETT F. (A'53), Engr., Bell Helicopter Corp., Hurst, Tex.

 SHIPMAN, JOSEPH W. (S'56-M'59), Field Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 SHIPMAN, LEE E. (S'56-M'58), Engr., Electro-Voice Inc., Buchanan, Mich.

 SHIPMAN, WALDO A. (A'45-SM'53), Supvy. Engr., Columbia Gas System Service Corp., 120 E. 41 St., New York 17, N.Y.

- bla das Jystem service Corp., 220 L. 31., Nem. Tech. Staff, Bell 17, N.Y.
 SHIPPEN, H.OWARD T. (S'54-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 SHIRER, DONALD J. (M'59), Project Leader, Designers for Industry, Inc., 4241 Fulton Pkwy., Cleveland 9, Ohlo.
 SHIRER, HAMPTON W. (A'51), Asst. Prof., Dept. of Physiology, Univ. of Kansas, Lawrence, Kan.
 SHIREY, DAVID C. (S'57-M'58), Asst. Project Engr., Bendix Radio Div., Towson 4, Md.
 SHIRK, KENNETH C. (J'64-A'28-VA'39), Chief Engr., Radio Sta., WIND, Westinghouse Broadcasting Co., Inc., 400 N. Michigan Ave., Chicago 11, III.
 SHIRK, RICHARD W. (M'57), Engr., IBM, Poughkeepsie, N.Y.
- N.Y.

 SHIRK, WALTER B. (M'44-SM'53), Mgr., Dèfense Sales Services, Crosley Dlv., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 SHIRLEY, GERALD (A'48), Owner, Televex Co., 46 Lakeview Ave., Yonkers, N.Y.

 SHIRLEY, JAMES N. (A'55), Engr., Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo.

 SHIRLEY, JOHN R. (SM'59), Sr. Research Engr., Booz, Allen Applied Research, Inc., 408 W. Main St., Fairborn, Ohio.

- Ohio.

 SHIRLEY, ROBERT C. (A'48-M'55), Electronics Engr.,
 USAF, Patrick AFB, Fla.

 SHIRLEY, THOMAS L. (S'48-A'50-M'56), Electronics Engr.,
 Combat Area Branch, Transmission Facilities Div., U.S. Army
 Signal Research & Development Lab., Ft. Monmouth, N.J.

 SHIRLING, GEORGE K. (A'41-M'46), Equipment Engr.,
 Genl. Staff, Southwestern Bell Tel. Co., 1010 Pine
 St., St. Louis 1, Mo.
- St., St. Louis 1, Mo.
 SHRMAN, JACK (S'56-M'58), Design Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
 SHIRROD, ROBERT L. (S'53-A'54), Staff Engr., Boeing Airplane Co., 7755 E. Marginal Way, Seattle, Wash.
 SHIRVIS, RAYMOND A. (A'55), Field Applications Engr., Raytheon Mfg. Co., Waltham, Mass.
 SHIU, PETER D.C. (S'49-A'51), Elec. Engr., Consultants & Designers, Inc., 650 11 Ave., New York 36, N.Y.
 SHIU, SAMUEL D.W. (S'55-M'58), Toll Plant Ext. Engrg. Asst., British Columbia Telephone Co., 768 Seymour St., Vancouver, B.C., Canada.

- SHIVACK, IAN M. (S'48-A'53-M'55), Data Systems Mgr., Olympic Radio & TV, Inc., 34-01 38 Ave., Long Island City, N.Y.

- Olympic Radio & TV, Inc., 34-01 38 Ave., Long Island City, N.Y.

 SHIVE, JOHN N. (SM'56), Mem. Tech. Staff, Bell Tel.
 Labs., Murray Hill, N.J.

 SHIVE, SCOTT L. (SM'54), Electronics Engr., U.S. Army Research & Development Labs., Ft. Monmouth, N.J.

 SHIVELY, EDWARD H. (S'48-4'50-M'55), Dir., Research, Dielectric Prods. Engrg. Co., Inc., Raymond, Me.

 SHIVELY, HARMON G. (S'42-A'43-M'55), Electronic Dev. Engr., Machine Dev. Dept., B.F. Goodrich Co., 500 S. Main St., Akron, Ohio.

 SHIVELY, HARMON G. (S'42-A'43-M'55), Dieston Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 SHIVELY, RICHARD P. (S'57-M'59), Design Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 SHIZUME, RICHARD R. (S'55-M'58), Violet Ave., Hospital Rd., Poughkeepsie, N.Y.

 SHIZUME, PETER K. (M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SHKAROFSKY, ISSIE P. (M'56), Wave Propagation & Plasma Physics Research Lab., RCA Victor Co., Ltd., 1001
 Lenoir St., Montreal, P. Q., Canada.

 SHLANK, WILLIAM I. (A'56), Design & Field Engr., Community Television Systems, Inc., 33 Blake St., New Haven 11, Conn.

 SHLONSKY, LAWRENCE P. (A'53), Electronics Engr.,
- SHLONSKY, LAWRENCE P. (A¹53), Electronics Engr., Hughes Aircraft Corp., Culver City, Calif. SHMAKOV, PAUL V. (A¹56), Prof., Doctor of Science (Eng.), Institute of Communications, Molka 61, Leningrad, U.S. S.R. SHMOYS, JERRY (S¹44-A¹46-M¹52-SM¹57), Asst. Prof., Elec. Engr., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.
- SHMURAK, BENJAMIN (M'45), Mgr., Special Apparatus Div., Andrea Radio Corp., 27-01 Bridge Plaza, N., Long Island City 1, N.Y.
- SHNITKIN, HAROLD (A'53-M'57), Mgr., Antenna Systems Sect., W.L. Maxson Corp., 460 W. 34 St., New York, N.Y.
- SHNITZLER, ROBERT K. (A'46-M'53), Sect. Head, Advanced Industries, Inc., 640 Memorial Dr., Cambridge, Mass.

- wanced Industries, Inc., 640 Memorial Dr., Cambridge, Mass.
 SHNURER, FLORIAN (S'53-A'55), Engr., GE Co., Comell Univ., Airport, Ithaca, N.Y.
 SHOAF, JAMES R., Il (SM'53), Elec. Design Engr., Export Radio & TV, RCA, Camden B, N.J.
 SHOAF, JAMES R., Il (SM'53), Electonics Engr., Natl. Bureau of Standards, Boulder, Colo.
 SHOCKLEY, LEON A. (A'54), Test & Dev., Chrysler Corp., Missile Operations, 16 M & Van Dyke, Detroit, Mich.
 SHOCKLEY, OWEN B. (A'58), 2411 Fairview St. Mount Penn, Reading, Pa.
 SHOCKLEY, THOMAS D., JR. (M'56), Asst. Prof., Elec. Engr., Georgia Institute of Technology, Atlanta, Ga.
 SHOCKLEY, WILLIAM (SM'51-F'55), Pres., Shockley Transistor Corp., Stanford Industrial Park, Palo Alto, Calif.
 SHODISS, HERBERT F. (S'54-M'57), Elec. Engr., Rossford Ordnance Depot, Oregon Rd., Toledo 1, Ohio.
 SHOEBRIDGE, ROBERT C. (S'56-M'59), Design & Dev. Engr., Genl. Telephone Labs., Inc., Northlake, Ill.
 SHOEMAKER, FRANK J. (S'56-M'58), Ly USN, Naval Air Tech. Training Center, Memphis, Tenn.
 SHOEMAKER, HAROLD L. (A'45), Mem. Tech. Staff, Ramo Wooldridge, 5500 W. El Segundo Blvd., Los Angeles 45, Calif.
 SHOEMAKER, HARRY F. (M'51-SM'51-4), Mgr., Radio College Publications. Radio College of Canada. 461

- Angeles 45, Cair.

 SHOEMAKER, HARRY F. (M'51-SM'54), Mgr., Radio
 College Publications, Radio College of Canada, 461
 King St., W., Toronto, Ont., Canada.

 SHOEMAKER, HARVEY M. (A'55), Pres. & Sales Engr.,
 H.M. Shoemaker & Associates, 1127 Wilshire Blvd.,
 Los Angeles 17, Calif.
- SHOEMAKER, JOHN R. (S'41-A'42-M'45-SM'52), Head, New Projects Sect., Goodyear Aircraft Corp., Akron 15, Ohio.
- SHOEMAKER, ROBERT F. (S'51-A'53), Elec. Engr., Dept. of Army, Dlamond Ordnance Fuze Labs., Washington 25, D.C.
- INGUIN 23, D.C.
 SHOEMAKER, WALTER J. (A'44), Acting Sr. Instr., G.C.A. Branch, USAF, Keesler AFB, Miss.
 SHOEMAKER, WILLIAM F. (S'42-A'46-M'55), Electrolics Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
- N.M. Schyr., Sandra Ostp., Sandra Dase, Albuquerque, N.M. SHOENBERGER, GEORGE C. (M'59), Sr. Engr., Westinghouse Elec. Corp., Baltimore, Md.
 SHOENS, CHARLES J. (M'57), Research Assoc., Applied Electronics Lab., Stanford Univ., Stanford, Calif.
 SHOFSTALL, NORTON F. (A'41-SM'49), Mgr., Electronic Ceramics Operation, Ge Co., Syracuse, N.Y.
 SHOGREN, JACK (S'57-A'57), Electronics Technician, Perkin-Elmer Corp., Main Ave., Norvalk, Conn.
 SHOH, ANDREW (M'58), Engr., Avion Div., ACF Industries, Inc., 11 Park Pl., Paramus, N.J.
 SHOHAM, ROBERT (S'57-M'58), Field Rep., Link
 Aviation, Inc., Singhamton, N.Y.
 SHOHAM, SEI (S'31-A'33-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif.

- Hughes Aircraft Co., Box 2097, Fullerton, Calif. S. SHOHET, NAIM (M'58), Television Factory Engr's. Co., 3729 W. Pico Bivd., Los Angeles 19, Calif. SHOKIN, ALEXANDR I. (A'57), State Committee of Radioelectronics, 7 Kitalskii Proezd, Moscow, Russia. SHOKKOS, CHARLES (M'58), Design Engr., Loral Electronics Corp., 825 River Rd., Bronx 72, N.Y. SHOLES, ARLAN E. (SM'56), Chief Instrument Engr., Eitel-McCullough, Inc., 5an Bruno, Calif. SHOLTZ, PAUL N. (M'58), Assoc. Engr., IBM, Yorktown Heights, N.Y. SHOMER, JOHN E. (A'54), Research Specialist, Boeing

- town Helphts, N.Y.
 SHOMER, JOHN E. (A'54), Research Specialist, Boeing
 Airplane Co., Seattle, Wash.
 SHON, AUBREY (A'56), Pres., Exec. Consultants,
 Genl. Mgr., Tech. Exchange, 3850 Wilshire 8lvd.,
 Los Angeles S, Calif.
 SHONEROCK, ROBERT C. (M'55), TV Engr., American
 Broadcasting Co., WBK8, 190 N. State St., Chicago 1,
 III.
- III.
 SHONNARD, JOHN R. (M'58), Applications Engr., Times Facsimile Corp., 540 W. 58 St., New York 19, N.Y.
 SHONTZ, L. ALLAN, JR. (A'51-5M'54), Asst. Dir., Research, The Vendo Co., 7400 E. 12 St., Kansas City, Mo.
 SHOOK, CARL G. (S'55-M'57), Research & Advanced Dev. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- SHOOK, EARLEY M. (A'43-M'55), Asst. Geophysical Lab. Mgr., Magnolia Petroleum Co., Box 900, Dallas, Tex.
- SHOOK, GLEN R. (S'55-M'57), Electronics Engr., Hughes Aircraft Co., Los Angeles, Calif. SHOOK, WHITNEY A. (A'48), Research Engr., Boeing Airplane Co., Seattle, Wash.

- Arriprame Co., Seattle, Wash.

 SHOOMAN, MARTIN L. (S'53-M'57), Instr., Dept. of
 Elec. Engra., Polytechnic Institute of Brooklyn, 333 Jay
 St., Brooklyn 1, N.Y.

 SHOOP, WILLIAM F. (M'58), Mem. Tech. Staff, Space
 Technology Labs., 5500 W. El Segundo, Los Angeles
 45, Calif.

- 45, Calif.

 SHOPTAUGH, JOHN R., JR. (A'54), Sr. Nuclear Engr., Convair, Ft. Worth, Tex.

 SHOQUIST, MARC C. (M'55), Project Engr., Remington Rand Univac, St. Paul 4, Minn.

 SHOR, NATHAN (M'52), Sr. Test Engr., Vibration & Measurements, Hamilton Standard, Windsor Locks, Conn.

 SHORE, BENJAMIN (M'59), Engr., Reeves Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y.

 SHORE, JARVEY G. (S'55-M'57), Electronics Design Engr., RCA, 11860 Olympic, Los Angeles, Calif.

 SHORE, JOHN D. (S'50-M'52-M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 SHOREMAN, ANDRE (S'58-M'58), Elec. Engr., Naval Gun Factory, Washington, D.C.

 SHORES, DANIEL D. (S'56-A'57), TechRep. Field Engr., Philos Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 SHORT, DAVID S. (S'53-A'54), Jr. Electronics Tech-

- SHORT, DAVID S. (S'53-A'54), Jr. Electronics Technician, Goodyear Aircraft Corp., Massilion Rd., Akron,
- SHORT, DEAN W. (S'57-M'58), Design Engr., Convair-Astronautics, San Diego, Calif.
- Astronautics, San Diego, Calif.
 SHORT, HAROLD G. (S'55-M'59), 372 Pestana Way,
 Livermore, Calif.
 SHORT, JOSEPH A., JR. (S'50-A'51), Electronic Scientist, Air Force Cambridge Research Center, 230 Albany
 St., Cambridge, Mass.

- St., Cambridge, Mass. SHORT, LARRY E. (S'56-M'58), Assoc. Engr., Boeing Airplane Co., Seattle, Wash. SHORT, LESTER E. (A'54), Mgr., Short Communication Service, 22 S. Jackson St., Perryville, Mo. SHORT, ROBERT A. (S'51-A'53-M'57), Research Engr., Stanford Research Institute, Menlo Park, Calif.
- SHORT, ROBERT B. (S'57-M'59), R.D. 4, Box 390, Gibsonia, Pa.
- SHORT, ROBERT C. (S'50-A'51-M'56), Engr., Page Communications Engrg., Inc., 1856 Kalakaua Ave., Honolulu, Hawaii.
- Honolulu, Hawaii.
 SHORT, WILLIAM P. (SM'44), IBM, 590 Madison Ave.,
 New York, N.Y.
 SHORTELL, ALBERT V., JR. (S'50-A'51-M'57), Sr.
 Electronics Engr., Wolf Research & Development Corp.,
 462 Boylston St., Boston 16, Mass.
- SHORTLE, J. WAYNE (M'56), Assoc. Engr., IBM, Kingston, N.Y.
- Kingston, N.Y.

 SHORTLEY, WILLIAM M. (A'42-M'55), Engr., Southern Bell Tel. & Tel. Co., Box 2662, Birmingham 2, Ala.

 SHORTT, ALFRED J. (S'58-A'59), Designer, Canadair, Ltd., Montreal 9, P.Q., Canada.

 SHORTT, HERBERT L. (M'45), Pres., Technograph Printed Electronics, Inc., 920 Northwest Blvd., Winston-Salem, N.C.

- N.C.
 SHOSTACK, SHELDON (A'59), Electronic Instrument Design, State Univ. of New York, College of Medicine, 450 Clarkson Ave., Brooklyn, N.Y.
 SHOSTAK, MICHAEL (S'53-A'54), Project Supvr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N.Y.
 SHOSTAK, ROBERT B. (SM'56), Engro. Sect. Head, Systems, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SHOSTEK, ROBERT E. (S'55-M'57), Maint. Engr., United States Steet, Central Ave., Johnstown, Pa.
 SHOTLIFF, LOUIS A. (A'41-SM'47), Mgr. Engro. Prods. Mktg., RCA, Internati. Div., Clark, N.J.
 SHOTT, ALBERT J. (M'58), Tech. Writer, Chrysler Corp., Warren, Mich.
 SHOTTERELD, RICHARD (A'48-M'55), Chief Engr.,
- SHOTTENFELD, RICHARD (A'48-M'55), Chief Engr., Pilot Radio Corp., 37-06 36 St., Long Island City

- Pilot Radio Corp., 37-06 36 St., Long Island City 1, N.Y.

 HOUB, BERNARD (M'59), Engr., Canadian Avlation Electronics, Cote de Liesse Blvd., Montreal, P.Q., Canada.

 HOUCAIR, SAMI F. (A'47-M'57), Regional Rep., Lockheed Aircraft Corp., Box 224, Beyrouth, Lebanon.

 HOULDERS, HAROLD D. (A'46-M'52), Engre. Specialist, Optical Radiation Systems Dev., Nortronics Div., Northrop Aircraft, Hawthome, Calif.

 HOULTES, DONALD P. (M'58), Project Engr., IBM, Endicott, N.Y.

 HOUP, JACK P. (M'49-SM'53), Div. Supvr., Sandia Corp., Sandia Base, Albuquerque, N.M.

 HOUPP, W. E. (SM'45-F'51), Tech. Dir., Atomic Power, Westinghouse Elec. Corp., Box 355, Pitsburgh 30, Pa.

 HOURI, JACDISH D. (M'59), Instr., Stevens Institute of Technology, Hoboken, N.J.

 HOVLOWSKY, MAX (M'56), Sales Engr., McCarthy Associates, 1055 E. Walnut, Pasadena, Calif.

 HOW, LOUIS W. (S'57-A'58), Field Rep., Crescent Engrg. & Research Co., 5440 N. Peck Rd., El Monte, Calif.

- & Research Co., 5440 N. Peck Rd., El Monte, Calif.

 SHOW, ORMAND C. (4750). Purch. Agent, Sterra Electronic Corp., 3885 Bohamnon Dr., Menlo Park, Calif.

 SHOWALTER, GERALD L. (5'57-M'57), Test Design Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 SHOWEN, LEE (M'47-SM'52), Staff Scientist, Lockheed Missiles & Space Div., Sunnyvale, Calif.

 SHOWEN, LEE (M'47-SM'52), Staff Scientist, Lockheed Missiles & Space Div., Sunnyvale, Calif.

 BHOWER, EDMUND G. (4'38-SM'46), Mgr., Production Engrs., Sperry Semiconductor Div., Wilson Ave., South Norwalk, Conn.

 SHOWERS, RALPH M. (5'39-A'42-M'47-SM'55), Prof.

- Norwalk, Conn.

 SHOWERS, RALPH M. (S'39-A'42-M'47-SM'55), Prof., Elec. Engrg., Univ. of Pennsylvania, Moore School of Elec. Engrg., 200 S. 33 St., Philadelphia 4, Pa.

 SHRADER, JOHN R. (S'56-M'57), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 SHECKEROGOST, RAYMOND C. (S'49-A'54-SM'58), Head, Radar Sect., Martin Co., Orlando, Fla.

 SHEVE, TAYLOR S. (A'45-M'50), Radio Communications Engr., Motorola Communications & Electronics, Inc., 306 S. Pearl St., Denver 8, Colo.

SHR-SIE

- SHROCK, JOSEPH B. (A'47-M'49-SM'52), Scientific Exec., Edgerton Germeshausen & Grier, Inc., 1622 S. "A" St., Las Vegas, Nev. SHROFF, TEHEMIURASP R. (A'31), Supt., Testing Dept., Tata Hydro Electric Power Supply Co., Ltd., Lalwadi, Post Parel, Bombay 12, India.
- Parel, Bombay 12, India.
 SHROPSHIRE, ALBERT W. (A'38-VA'39), Engr., Storer
 Broadcasting Co., 1177 Kane Concourse, Miami Beach, Fla.
 SHROYER, HARRY M. (A'54), Engrg. Technician, Pacific
 Missile Range, Naval Missile Center, Point Mugu, Calif.
- SHRUM, LAWRENCE R. (A/51), Research Engr., Hughes Aircraft Co., Culver City, Calif. SHUART, JOHN F. (A/52-M/57), Pres., Communication Engr., L. J. Raymart, Inc., 58 Brenton Ave., Tonawanda, N.Y.
- SHUART, OTIS H. (M'56), Engrg. Specialist, GE Co., Syracuse, N.Y. SHUB, LIONEL (S'49-A'50-M'55-SM'55), Electronics Engr., Bell Aircraft Corp., Buffalo 5, N.Y.

- Engr., Bell Aircraft Corp., Buffalo 5, N.Y.
 SHUBA, J., PATRICK (S'57-M'5B), Elec. Engr., Genl.
 Telephone Labs., Box 17, Northlake, III.
 SHUBEL, EDWARD J. (A'50-M'56), Electronics Engr., W. L
 Maxson Corp., 460 W. 34 St., New York, N.Y.
 SHUCK, LYLE G. (A'54), Training Officer, Natl. Security
 Agency, Ft. Meade, Md.
 SHUCK, THOMAS L. (S'53-A'54), Engr., MIT, Instrumentation Lab., Cambridge 39, Mass.

- tion Lab., Cambridge 39, Mass.
 SHUCKER, SIDNEY (5'49-A'50-M'55-SM'56), Engr., RCA, Moorestown, N.J.
 SHUDA, DONALD G. (5'57-M'59), USS Wasp, CVS-18, FPO, New York, N.Y.
 SHUEY, CLYDE W. (S'43-A'45), 2627 McNally Ave., Altadena, Calif.
 SHUEY, DAVID R., JR. (S'58-M'59), 2618 Reel St., Harrisburg, Pa.
- Hamisburg, Pa.
 SHUEY, LOUIS S. (A'41), Sprague Electric Co., 5942
 W. Montrose, Chicago, III.
 SHUEY, RICHARD L. (S'42-A'43-M'48-SM'55), Mgr.,
 Information Studies Sect., GE Co., The Knolls,
 Schenectaty, N.Y.
- SHUFER, MAX (M'58), Sr. Electronics Engr., Polytechnic Research & Development, 202 Tillary St., Brooklyn, N.V. SHUFFLEBARGER, JOHN R. (S'56-M'59), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

- Engr., Hughes Aircraft Co., Culver City, Calif.
 SHUFFLER, ROBERT M. (SM'51), Field Engr., Earl
 Lipscomb Associates, 3605 Inwood Rd., Dallas, Tex.
 SHUHANDLER, MARTIN P. (S'57-M'59), Asst. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SHULER, JAMES L. (S'54-M'55), Sr. Systems Design
 Engr., Electronics, Chance-Vought Aircraft, Inc.,
 GP52450, Box 5907, Dallas, Tex.
 SHULER, MARTIN H. (S'41-A'43-M'4B), Mem. Tech. Staff,
 Space Technology Labs., 5500 El Segundo Bivd., Los
 Angeles, Calif.
 SHIJI MAN. ABF. (M'45). Production Engr., Oak Mfg.

- Angeles, Calif.

 SHULMAN, ABE (M'45), Production Engr., Oak Mfg.
 Co., 1260 Clybourn Ave., Chicago, III.

 SHULMAN, ABRAHAM (A'55), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 SHULMAN, ARNOLD R. (M'56), Electronics Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 SHULMAN, CARL (SM'55), Dept. of Elec. Engrg., The City College, Convent Ave. & 139 St., New York 31, N.Y.
- SHULMAN, HERBERT (S'49-A'49), Group Leader, Elec-tronics Design, Avionics Div., Bell Aircraft Corp., Buffalo
- SHULMAN, IRVING (A'46), Project Engr., Olumpic Radio & Television, Inc., 34-01 3B Ave., Long Island City 1, N.Y.
- SHULMAN, LOUIS (S'50-A'53-M'58), Project Engr., Fischer & Porter Co., County Line Rd., Hatboro, Pa. SHULMAN, MEYER B. (A'53), Electronics Engr., U. S. Ordnance Corps, Bridge & Tacony Sts., Philadelphia 37, Pa.
- ra.

 SHULSINGER, EMIL R. (S'57-M'59), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.

 SHULSINGER, JOSEPH (S'55-M'57), Electronics Engr.,
 Research & Dev. Labs., Hughes Aircraft Corp., Culver City,
 Calif.
- SHULTISE, QUIDO M. (A'29-M'44), Sr. Dev. Engr., Aerojet-Genl. Corps., Azusa, Calif. SHULTZ, GERALD L. (S'48-A'51-M'57), Dev. Engr., IBM,
- TORKLOWN, N.Y.
 SHULTZ, LAWRENCE R. (S'49-A'49), Electronic Scientist, USN Proving Ground, Dahlgren, Va.
 SHULTZ, OSCAR L. (M'57), Transmission Staff Engr.,
 Southern Bell Tel. & Tel. Co., 522 Hurt Bldg., Atlanta, Ga.
- SHULTZ, RICHARD S. (A'43-A'46-M'53), Project Engr., Vitro Corp. of America, 14000 Georgia Ave., Silver Spring, Md.
- Spring, Md. ShUM, YAU SANG (A'56), Dir., Radar & Electronics Dept., Yew Sang Hong, Ltd., 20-22 King's Rd., Hong Kong. SHUMAKER, JAMES L. (M'52-SM'56), Staff Engr., The Chesapeake & Potomac Telephone Co., 930 H St., N.W., Washington 1, D.C.

- Washington 1, D.C.
 SHUMAKER, JOHN F., JR. (M'56), Sr. Elec. Engr.,
 Melpar, Inc., Falls Church, Va.
 SHUMAKER, MAURICE J. (S'54-A'55), Design Engr.,
 Martin Co., Box 179, Denver, Colo.
 SHUMAKER, RICHARD E. (M'55), Electronics Design Engr.,
 Philoc Corp., W. Morroe St., Sandusky, Ohlo.
 SHUMATE, CHARLES L. (M'55), Supwr., Instrumentation & Data Reduction, GE Co., Box 7, Edwards, Calif.
 SHUMATE, MICHAEL S. (S'56-M'57), Mem. Tech. Staff,
 Space Technology Labs., Box 95001, Los Angeles 45,
 Calif.
- Calif.
 SHUMWAY, JERRY L. (M'58), Engr., Secode Corp.,
 555 Minnesota St., San Francisco 7, Calif.
 SHUMWAY, KENNETH J. (S'54-A'55), Mfg. Dev. Engr.,
 Sandia Córp., Sandia Báse, Alouquerque, vi. M.
 SHUMWAY, NORMAN R. (A'49-M'55), Mgr., Systems
 Program Engrg., GE Co., Syracuse, N.Y.
 SHUPACK, MARTIN H. (S'58-M'57), 69 Myrtle Ave.,
 North Plainfield, N.J.
- SHUPE , PAUL G. (S'49-A'51-M'57), Mgr., Timing & Firing Engrg., RCA Missile Test Project , Patrick AFB , Fla.
- SHUPE , RICHARD H. (S'58-M'59), Mfg. Engr., Boeing Airplane Co., Seattle , Wush.

SHUPPERT, GEORGE W. (S'57-M'59), Elec. Engr., Aircraft Armaments, Inc., Box 126, Cockeysville, Md.
SHUPPERT, ROBERT C. (S'57-M'59), Electronic Design & Dev. Engr., Raytheon Mfg. Co., Waltham 54, Mass.
SHURBEN, WILLIAM E. (A'55), Design & Dev. Engr., Philips Electronics Industries, Ltd., 11-19 Brentcliffe Rd., Leaside, Toronto, Ont., Canada.
SHURE, S. N. (A'3B-VA'39-M'55), Pres. & Genl. Mgr., Shure Brothers, Inc., 222 Hartrey Ave., Evanston, Ill.
SHURLEY, ROBERT M. (S'51-A'52-M'5B), Chief Process Engr., Semiconductor Div., Tung-50l Electric, Inc., 545 N. Arlington Ave., East Orange, N.J.

- 377 -

- N. Arlington Ave., East Orange, N.J.
 SHURTLEFF, CHARLES H. (A'47), Pres., Polar Electronic Supply, Inc., 231 Illinois St., Fairbanks, Alaska.
 SHUSKUS, JOSEPH M. (A'49), Pres., Marjo Tech. Prods. Co., 1150 E. Henry, Linden, N.J.
 SHUSTER, JOSEPH W. (M'59), Assoc. Engr., Lockheed Aircraft Co., Palo Alto, Calif.
 SHUTE, EMMETT R. (M'25-SM'43), Pres., Serial Federal Saving & Loan Association, 70 Church St., New York 7, N.Y.

- Saving & Loan Association, 70 Church St., New York 7, N.Y.

 SHUTOCK, JOHN (A'57), Project Engr., Continental Equipment Service, 72 N. Broadway, Des Plaines, Itl.

 SHUTT, SIDNEY G. (S'51-A'53-A"59), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 SHUTT, STANLEY H. (A'56), Electronics Instr., #1 Radar & Communications School, RCAF, Clinton, Ont., Canada.

 SHUTTERLY, H. BARRY (A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I.,N.Y.

 SHUTTLFWORTH, EDWIN (A'55), Asst. V.P., Driver-Harris Co., 201 Middlesex St., Harrison, N.J.

 SHUTTS, BRIAN C. (A'58), Technician, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 SHWOP, JOHN E. (M'59), Electronics Engr., U.S. Army Signal Supply Agency, 225 S. 18 St., Philadelphia 3, Pa. SHYHALLA, NICK (S'50-A'51-M'57), Electronics Engr., Bell Aircraft Corp., Buffalo, N.Y.

 SHYNE, NORMAN A. (S'56-M'59), Research Asst., Instr., Electronics Research Lab., Montana State College, Bozeman, Mont.

 SIAS, FRED R. JR. (S'53-M'56), Asst., in Research, Univ. of Electronic Street.

- Electronics Research Lab., Montana State College, Bozeman, Mont.

 SIAS., FRED R., JR. (S'53-M'56), Asst. in Research, Univ. of Florida, Gainesville, Fla.

 SIBILA, KENNETH F. (A'48-SM'53), Head, Elec. Engrg. Dept., Univ. of Akron, Buchtel Ave., Akron 4, Ohio.

 SIBILA, LAWRENCE (A'48-M'54), Asst. chief Engr., KETV, 27 & Douglas, Omaha 31, Neb.

 SIBILIO, RALPH A. (M'57), Engr., Magnavox Research Lab., 2131 S. Stoner, Los Angeles 64, Calif.

 SIBILLA, JOSEPH F. (M'5B), Engr., Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 SIBLESZ, G. M. (A'41), Radiolfusora Venezuela, Cipreses a Miracielos, Caracas, Venezuela.

 SIBLEY, CHARLES E. (SM'55), Engr., in-Cho., Sylvania Electronics Defense Lab., Box 205, Mountain View, Calif. SIBLEY, GEORGE B. (M'5B), Engr., Canadian Aviation Electronics, 6214 Cote de Liesse, Montreal, P. Q., Canada. SIBLEY, HENRY C., JR. (S'41)-4'43-M'55-SM'5B), Electronics Engr., Genl. Rallway Signal Co., BO1 West Ave., Rochester, N.Y.

 SIBLEY, ROBERT C. (S'50-A'51-M'55), Supvr., Prod.

- Rochester, N.Y.

 SIBLEY, ROBERT C. (S'50-A'51-M'56), Supvr., Prod. Engra., Sylvania Elec. Prods., Inc., 1891 E. 3rd St., Williamsport, Pa.

 SIBLEY, ROBERT C. (A'57), TV Transmitter Engr., WSUNTV, St. Petersburg, Fla.

 SIBOLD, ARTHUR P., JR. (A'50-M'56), Sr. Program Officer, USN Underwater Sound Lab., Ft. Trumbull, New London, Conn.

 SIBUL, LEON H. (S'52-A'53), Radio Repair Technician, USAF, 29th Communication Sqdn. Command, Langley AFB, Va.
- va.
 SICHAK, WILLIAM (M'46-SM'56), Lab. Dir., ITT Labs.,
 Nutley 10, N.J.
 SICHEL, ARCHIE T. (A'37-VA'39-M'5B), Engrg. Supvr.,
 Seaboard Radio Broadcasting Corp., (WIBG), 117 Ridge
 Pike, Lafayette Hill, Pa.
- SICHEL STELL, BERT A. (A'55-M'57), Prof., Chmn., Physiology & Biophysics, College of Medicine, Univ. of Vermont, Burlington, Vt.
 SICHELSTIEL, BERT A. (A'53-M'57), Project Engr., Electronics, Electronic Communications, Inc., 1830 York Rd., Timonium, Md.
- tronies, Electronic Communications, Inc., 1830 York Rd., Timonium, Md. Timonium, Timonium, Md. Timonium, Timonium, Md. Timonium, Tim

- Winston-Salem, N.C. (M'50), Chief, Data Equipment Sect., Met. Div., U. S. Army Signal Engrg. Labs., Evans Signal Labs., Deliner, N.J.

 SIDES, JOHN D. (A'45), Radio Engr., Air Materiel Command, Wright-Patterson AFB, Ohio.

 SIDIO, GEORGE J. (S'55-M'5B), Mem. Tech. Staff, Space Technology Labs., Los Angeles 45, Calif.

 SIDLE, CARL D. (S'56-M'5B), Assoc. Research Engr., Jet Propulsion Lab., California Institute of Technology, 4B00 Oak Grove Dr., Pasadena, Calif.

 SIDNAM, ROBERT D. (S'48-A'50-M'55), Elec. Engr., RCA, Macrestown, N.J.

- SIE, CHARLES H. (M'59), Dev. Engr., RCA, Camden, N.J. SIEBERT, JACK A. (S'56-M'58), Ensign, USNR Civil Engr. Comps, U.S. Navai Air Sta., North Island, San Diego, Calif.

- Calif.

 SIEBERT, WILLIAM M. (S'46-A'47-M'55), Asst. Prof., Elec. Engra., MIT, Cambridge 39, Mass.

 SIEDBAND, MELVIN P. (M'53), Elec. Engra., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md. SIEFERT, DONALD G. (S'56-M'57), Assoc. Engra., Westinghouse Elec. Corp., Box 37, Sunnyvale, Calif. SIEFKEN, RICHARD M. (A'49-M'55), Sr. Engra., Delco Radio Div., Box 737, Kokomo, Ind.

 SIEFKEN, ROBERT G. (S'47-A'50-M'5B), Project Engra., Aerial Reconnaissance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 SIEGAL, EDWARD F. (S'56-M'59), Engra., Lab. for Electronics, 75 Pitts St., Boston, Mass.

 SIEGAL, MARYYNE. (A'54-M'58), Engra. "A", RCA, Camden
- SIEGAL, MARVYN E. (A'54-M'5B), Engr. "A", RCA, Camden 2, N.J.
- SIEGALL, BERNARD (S'47-A'52-M'57), Computer Engrg., IBM, Special Engrg. Prods. Div., 1B2 N. Hamilton St., Poughkeepsie, N.Y.
- Poughkeensie, N.Y.

 SIEGEL, CLIFFORD M. (S'47-A'52-M'57), Assoc. Prof., Elec. Engrg., Univ. of Virginia, Charlottesville, Va.

 SIEGEL, EUGENE H., JR. (S'57-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whitppany, N.J.

 SIEGEL, FLOYD G. (S'57-M'58), Enor., Research & Dev., Hewlett-Packard Co., Palo Alto, Calif.

 SIEGEL, GEORGE H. (SM'56), Supvr., Fuzes & Controls Enorg., LMED, GE Co., Utica, N.Y.

 SIEGEL, MOWARD A. (A'47), Electronics Test Equipment Fabricator, Electronics, SAAMA, Kelly AFB, Tex.

 SIEGEL, ALCK J. (A'55), Tech. Dir. WMFJ, D. D. 240008.

- Fabricator, Electronics, SAAMA, Kelly AFB, Tex.
 SIEGEL, JACK J. (A'55), Tech. Dir., WMFJ, Inc., Daytona
 Beach, Fla.
 SIEGEL, JUDITH C. (A'56-M'57), Mem. Tech. Staff, Space
 Technology Lab., 59:30 Arbor Vitae. Los Angeles, Calif.
 SIEGEL, JULIAN R. (M'59), Elec. Engr., Airborne Instrument
 Lab., Mineola, L.I., N. Y.
 SIEGEL, KEEVE M. (SM'57), Prof., Elec. Engrg., Univ. of
 Michigan, Ann Arbor, Mich.
- SIEGEL, LAWRENCE I. (S'4B-A'52-M'57), Research Assoc., G. C. Dewey Co., Inc., 19 W. 44 St., New York 36, N.Y.

- Assoc., G. C. Dewey Co., Inc., 19 W. 44 St., New York 36, N.Y.

 36, N.Y.

 SIEGEL, MARVIN (S'53-A'55-M'57), 244 Campbell Ave., Revere 51, Mass.

 SIEGEL, PAPUL (A'52-M'56), Project Tech. Writer, Burroughs Corp., Paoli, Pa.

 SIEGEL, ROBERT (A'53), Dir., Socony Mobil Oil Co., Inc., 150 E. 42 St., New York 10, N.Y.

 SIEGEL, ROBERT (S'56-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 SIEGEL, ROBERT (S'56-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 SIEGEL, VERNON H. (M'51), V.P., Sierra Research Corp., Box 22, Buffalo 25, N.Y.

 SIEGEL, WILLIAM (S'49-A'51-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SIEGEL, WILLIAM (S'49-A'51-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SIEGELMAN, ABE (SM'57), Project Mgr., Admiral Corp., 3800 Cortland St., Chicago 47, Ill.

 SIEGER, JOSHUA (SM'55), Consulting Engr., Greystones, Western Ave., Branksome Park, Bournemouth, England.

 SIEGERT, RICHARD R. (S'55-M'56), Engr., Remington Rand Univac, Wilson Ave., South Norwalk, Corn.

 SIEGLER, HARRY B. (S'54-A'56), Engr., Peoples Broadcasting Co., WLAN, 252 N. Queen St., Lancaster, Pa.

 SIEGMANN, MARTIN J. (A'53-M'58), Unit Head, Crossed Field Devices, Code 924, Materiel Lab., New York Naval Shipyard, Brooklyn J. N.Y.

 SIEGMETH, ALFRED J. (M'51-SM'56), V. P., Resdel Engrg., Copp., 330 S. Fair Oaks Ave., Pasadena 1, Calif.

- Snipyaru, Drookiyn I, N.Y.
 SIEGMETH, ALFRED J. (M¹51-SM¹56), V.P., Resdel
 Engro. Corp., 330 S. Fair Oaks Ave., Pasadena I, Calif.
 SIEGMUND, E. LEE (A¹39-M¹55), Chief Engr., Olympic
 Radjo & Television, 34-01 3B Ave., Long Island City,
- N.Y.
 SIEGRIST, RONALD F. (A'55), Electronics Technician, Collins Radio Co., 2700 W. Olive, Burbank, Calif.
 SIEK, JOHN R. (A'45), Deputy Chief, Communications Branch (MCMTC), Aircraft, Missiles & Equipment Div., Directorate of Maint. Engrg., Air Materiel Command, Wright.

- rectorate of Maint. Engry., Air Materiel Command, Wright-Patterson A.F.B. Ohio. SIEKANOWICZ, WIESLAW W. (A'49-M'55), Mem. Tech. Staff, R.CA. Labs., Princeton, N. J. SIEKMAN, WILLIAM J., J.R. (A'5B), Physicist, Riverbank Labs., Inc., Geneva, III. SIELE, WILLIAM A. (S'58-A'5B), Testing Electronics Technician, Dayton T. Brown, Inc., 1305 Stronges Rd., Copaigue, N.Y.
- Technician, Dayton I., Brown, Inc., 1903 Stronges Rd., Copaigue, N.Y.

 SIELICKI, ALEXANDER J. (M'53), Research Engr., A. O. Smith Corp., 3533 N. 27 St., Milwaukee J., Wis.

 SIELSKI, ALBIN T. (S'44-A'47-M'55), Video Operations Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 SIEMEN, HARRY A., SR. (S'49-A'50-M'55-SM'56), Electronics Engr., RCA Service Co., Air Force Missile Test Center, Cocca, Fla.

 SIEMENS, RUDOLPH H. (A'41-M'44-SM'46), Field Engr., RCA, Harrison, N.J.

 SIEMINSKI, EDWARD (A'3B-SM'50), Sect. Supvr., American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn. SIEMS, LEE E. (S'57-M'59), K., Engr., Southwestern Industrial Electronics, Box 13058, Houston, Tex.

 SIENKIEWICZ, ALEXANDER H. (S'53-A'54-M'59), Engr.-in-Chg., Components Group, Strombern-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 SIENKIEWICZ, HENRY S. (S'57-A'58), Maint., Radio

- SIENKIEWICZ, HENRY S. (S'57-A'58), Maint., Radio Telephony Transmitters, 606 E. Main St., New Britain, Conn.
- SIENKIEWICZ, LEON J. (M'51-SM'59), Sr. Engr., Westinghouse Elec. Corp., Radio-TV Div., Metuchen, N. J. SIENKIEWICZ, STANLEY V. (A'52-M'56), Instr., De Vry Tcchrical Malituta, 4141 W. Delment Ava., Chicago 41, III.
- III.
 SIEPMAN, ALLAN B. (A'43), Chief Engr., Scientific Sound Service, 3523 Delor St., St. Louis 11, Mo.
 SIERA, MARK M. (A'52), Mgr., Instruments & Mechanisms Dept., Lockheed Missile & Space Div., 3251 Hanover St., Palo Alto, Calif.
 SIERMINSKI, PETER J. (A'57), Sr. Technician, Sylvania Elec. Prods., Inc., 20B-20 Willets Point Blvd., Bayside, L.I., N.Y.

- SIERON, ERWIN M. (M'54), Chief Field Engr., Bendix Radio Div., Baltimore 4, Md.
 SIERRA, HUBERTO M. (M'57), Staff Engr., IBM, Monterey & Cottle Rds., San Jose, Calif.
 SIERRA, JULIO G. (S'55-M'57), Research Engr., No. Amer. Aviation, Downey, Calif.
 SIETH, HARLAN P. (A'55), Sr., Project Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago, Ill.
 SIEVERS, EDWARD S. (A'53-M'55), Pres., Leroy Enterprises, Inc., 6009 S. Malt Ave., Los Angeles 22, Calif.
 SIEVERS, STANLEY S. (M'53), Asst. Sales Mgr., KIN TEL Div., Cohu Electronics, Inc., 5725 Kearmy Villa Rd., San Diego 12, Calif.

- Villa Rd., San Diego 12, Calif.
 SIEVERS, WERNER E. (M'56), Electronics Engr., RCA, Box 588, Burlington, Mass.
 SIEVERT, A. HERBERT (4'43-SM'48), Mgr., Engrg. Dept., Electronics Tube Div., Canadian Westinghouse Co., Ltd., Aberdeen Ave., Hamilton, Ont., Canada.
 SIEVERT, GLENN F. (M'58), System Engr., RCA Service Co., Vallejo Systems Engr. Facility, 2166
 Sacramento St., Vallejo, Calif.

- Saturamento St., Vallejo, Calli.
 SIEWERS, DEAN C. (A'52-M'58), Sr. Physicist, Haller, Raymond & Brown, Inc., State College, Pa.
 SIEZEN, GERRIT J. (SM'51), Chief Engr., Philips Phonographic Industries, 4 Gerrit V.D. Veenlaan, Baam, Holland.
- SIFF, ABRAHAM W. (S'49-A'51), Mgr., Chicago Office, Electric Regulator Corp., Pearl St., Norwalk, Conn.
- SIFF, ROBERT G. (A'51), Sales Engr., Robert G. Siff & Associates, 341 N. Robert Blvd., Dayton 2, Ohio.
- Ohio.
 SIFFORD, BRUCE M. (S'50-A'51-M'56), Research
 Engr., Stanford Research Institute, Menlo Park, Calif.
 SIFRE, RICHARD A. (S'56-A'56), Radio Engr., WPAT,
 Inc., 66 Hamilton St., Paterson I, N. J.
 SIGAL, BURTON C. (S'56-M'57), Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 SIGAL, HARVEY (M'58), Asst. Mathematician, Programmer,
 IBM, Yorktown Heights, N. Y.
 SIGELMANN, RUBENS A. (A'54), Instr., Seattle Univ.,
 Madison & Broadway, Seattle 22, Wash.
 SIGETHY, ROBERT (M'55), 1st Lt., USAF., Amament
- Madison & Broadway, Seattle 22, Wash.
 SIGETHY, ROBERT (M'55), 1st Lt., USAF, Armament
 Operations Officer, 585 Tactical Missile Group, APO
 132, New York, N.Y.
 SIGLER, GLEN A., JR. (S'58-M'59), Design Engr.,
 Convair, Ft. Worth, Tex.
 SIGLER, HARVEY R., JR. (A'53-SM'58), Sr. Engr.,
 Bendix Aviation Corp., 11600 Sherman Way, North
 Hollywood, Calif.
 SIGLER, SIGMINN H. (A'57), Administrator, Missile.

- Hollywood, Calif.

 SIGLER, SIGMUND H. (A'57), Administrator, Missile & Space Vehicle Dept., GE Co., 3198 Chestnut St., Philadelphia, Pa.

 SIGMAN, HERBERT M. (A'42-M'46), Engrg. Supvr., KMOX-TV, 1215 Cole St., St. Louis 6, Mo.

 SIGMAN, MELVIN (M'56), Sr. Elec. Engr., Emerson Radio & Phonograph Co., 14 & Coles Sts., Jersey City, N.J.

- City, N. M. Milton (A'52-M'58), Electronics Engr., U.S. Bureau of Standards, Washington, D.C.

 SIGMON, LOYD C. (A'29-SM'46), V.P., Asst. Genl. Mgr., Dir., Engr., KMPC-Hollywood; KSFO-San Francisco, 59.39 Sunset Blvd., Hollywood; RSFO-San Francisco, 59.39 Sunset Blvd., Hollywood; RSFO-San Francisco, 59.39 Sunset Blvd., Design Engr., RCA, 118.19 W. Olympic Blvd., Los Angeles 64, Calif.

 SIGNORE, SYLVESTER S. (M'56), Instrumentation Supvr., Orenda Engines, Ltd., Nobel, Ont., Canada.

 SIGNORELLA, JOSEPH E. (A'54), Ultrasonic Engr., Glass Div., Research Lab., Pittsburgh Plate Glass Co., Crelighton, Pa.

 SIGNOR, JOSEPH F. (S'55-M'57), Instr., City College of New York, 139 St. & Convent Ave., New York, 31, N.Y.

 SIH, KWANG YUE (A'52-M'56), Engr., New York, 31, N.Y.

 SIK MANG CONNERS (MISS). 23 Biostrond Dad.
- SIH, KWANG YUE (A'52-M'56), Engr., IBM, Endicott, N.Y.

 SIKALIS, CHRISTOPHER (M'58), 23 Birchwood Park Dr., Hicksville, L.I., N.Y.

 SIKES, ROBERT E. (A'50-SM'58), Electronics Engr., USAF, Security Service, Box 2000, San Antonio, Tex. SIKINA, THOMAS V. (M'57), Project Scientist, Philico Corp., C & Tioga Sts., Philadelphia 34, Pa.

 SIKORSKI, FRANK J. (A'58), Elec. Engr., Ensign Coil Co., 2520 S. Pulaski Rd., Chicago 23, III.

 SIKORSKI, JOHN W. (A'55), Telectronics Engr., Univ. of California Radiation Lab., Box 808, Livermore, Calif. SIKORYAK, EMIL (A'55), Electronics Engr., Univ. of California Radiation Lab., Box 808, Livermore, Calif. SIKORYAK, YEMIL (A'57), Jr. Engr., Adams-Russell Co., Inc., 200 6 St., Cambridge, Mass.

 SILAS, LEONARD W. (S'56-M'58), Engr., Sperry Electronic Tube Div., Sperry Rand Corp., Gainesville, Fla. SILBAR, JOSEPH I. (A'46), Retired, 31-14 103

 St., Corona, L.I., N.Y.

 SILBER, ALBERT (A'48), Pres., Albert Silber Sales Co., 1 Christopher St., New York 14, N.Y.

 SILBERBAUER, JOHN A. (S'56-A'56), Communications

- I Christopher St., New York 14, N.Y.
 SILBERBAUER, JOHN A. (S'56-A'56), Communications
 Engr., 3009 N. Cicero, Chicago, III.
 SILBERBERG, NORMAN (M'57), Sales Mgr., Aeromotive
 Engrg. Prods. Ltd., 147 Hymus Blvd., Pte. Claire,
 Montreal 33, P.Q., Canada.
- montreal 33, P. G., Canada.
 SILBERBERG, ROBERT W. (A'54-M'59), Project Engr.,
 Cascade Research Div., Monogram Precision Industries,
 Inc., 5245 San Fernando Rd., West Los Angeles 39, Calif.
 SILBERFARB, ELIESER (A'52-M'58), Research Group
 Leader, Ministry of Oelence, Scientific Oept., 8ox 7063,
 Hakirya, Tel Aviv, Israel.

- Hakirya, Tel Aviv, Israel.

 SILBERFARB, SAMUEL (A'54), Research Engr., Scientific Dept., Ministry of Defence, Box 1, Kiryat, Motzkin, Israel.

 SILBERG, PAUL A. (SM'57), Staff Mem., Radiation, Inc., 8605 Cameron St., Silver Spring, Md.

 SILBERG, SYLVAN (S'55-M'57), Research Engr., Teletype Corp., 1400 Wrightwood, Chicago 25, Ill.

 SILBERLICHT, JACK W. (S'53-M'56), V.P., Westworld Artists Productions, 41 W.57 St., New York, N.Y.

 SILBERMAN, ALBERT (A'48-M'55), Elec. Engr., U.S. Army Signal Engr., Labs., Evans Signal Lab., 8elmar, N.J.
- N.J.
 SILBERMAN, BENNO (M'58), Regional Sales Rep.,
 Raytheon Mfg. Co., 589 5 Ave., New York, N.Y.
 SILBERMAN, FERNANDO J. (A'59), Tech. Mgr., L. Kline
 Co., Jorge Newbery 3566, Buenos Aires, Argentina.

- SILBERMAN, RICHARD T. (S'49-A'51-M'53), Exec. V.P., Electronics Capital Corp., 1400 5 Ave., San Dlego, Calif.
- SILBERMANN, GEORGE F.H. (M'58), Sr. Elec. Engr., Stavid Engrg., Inc., U.S. Hwy. 22, Plainfield, N.J. SILBERMANN, HERBERT (SM'46), Mng. Dir., Continental Radio & Elec. Engrs., Pty., Ltd., 12/14, New Goch Rd., Berrose Township, Box 8639, Johannesburg, South Africa. SILBERSTEIN, RICHARD (A'30-SM'47), Chief, HF/VHF Research Sect. 8520, Natl. Bureau of Standards, Boulder, Colo.
- SilbERT, WILLIAM C. (A'54-M'55), Design Specialist, Martin Co., Middle River, Md. SilbEY, SERGE A. (S'54-M'58), Project Research Staff Mem., Palmer Physical Labs., Princeton Univ., Princeton, N.J.
- SILBIGER, RICHARD J. (S'49-A'54-M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. SILCO, ROBERT O. (S'57-M'59), Asst. Project Engr., Kearfott Co., Inc., 561 McBride Ave., Little Falls,
- SILENCE, NEAL C. (S'55-M'57), Elec. Engr., Hughes Aircraft Co., Culver City, Calif. SILER, MACK, JR. (S'55-M'57), Capt., USAF, Dreux AB, France.
- SILHAVY, WHITNEY M. (A'40), Sales Mgr., Tube Div., Varian Associates, Palo Alto, Calif. SILI, FRANK J. (A'58), 944 N. Milwaukee St., Milwaukee 2, Wis.
- 2, Wis.
 SILING, PHILIP F. (M'40-SM'43-F'51), Dir., RCA
 Frequency Bureau, 1625 K St., N.W., Washington 6,
 D.C. & 30 Rockefeller Plaza, New York 20, N.Y.
- SILINS, ANDREJS (S'14-A'155), 414 Ethan Allen Ave., Takoma Park, Md. SILK, NATHAN R. (SM'54), Mem. Tech. Staff, Thompson-Ramo-Wooldridge Corp., Box 90534, Los Angeles 45,
- SILKE, ALEXANDER G. (S'57-A'57), Civillan Instr., Defense Training Bd., 18 Nassau St., Toronto, Ont., Canada.

- Canada.

 SILKMAN, HARRY G. (A'54-M'56-SM'58), Sect. Head, Goodyear Aircraft Corp., Akron 15, Ohio.

 SILL, DONALD B. (M'57), Communications Engrg. (Design), LMED, GE Co., Utlca, N.Y.

 SILLEN, STELIO R. (M'50), Dottore Ingegnere, Colonnello, Chief, Materiel Branch, Signal Div., SHAPE, Paris, France.

 SILLER, JOE (A'53-M'58), Electronics Engr., Research & Dev. Div., Redstone Arsenal, Ala.

 SILLIMAN, ROBERT M. (SM'52), Consulting Radio Engr. (Owner), Robert M. Silliman & Associates, 1409 G St., N.W., Washington 5, D.C.

 SILLIMAN, WILLIAM B. (S'55-M'57), 2021 Bonita Dr.
- SILLIMAN, WILLIAM B. (S'55-M'57), 2021 Bonita Dr., Glendale 8, Calif.
- Guendale B, Calif.

 SILLITOE, SYDNEY (A'35-VA'39-M'55), Production Supt., Northern Electric Co., 250 Sidney St., Belleville, Ont., Canada.
- Canaba.
 SILLMAN, DAVID (A'46-SM'52), Engrg. Sect. Mgr.,
 Westinghouse Elec. Corp., Metuchen, N.J.
 SILLS, MARTIN M. (A'46-M'55), Sr. Dev, Engr., American
 Bosch Arma Corp., Garden City, L.I., N.Y.
 SILSON, RGV G. (A'48), Asst. Engr., Genl. P.O. Telecommunications Gerard Exchange, Gerrard St., London,
 W. I. England
- W. 1, England
- SILTANEN, JOHN C. (M'57), 101 Prospect Ave., Hack-ensack, N.J. Process Co., Inc., 2851 Southeastern Ave., Columbus,
- SILVA, ALVARO A. (A'47-M'47), Electronics Engr., U.S. Army Signal Radio Propagation Agency, Ft. Monmouth, N.J.
- SILVA, BENJAMIN, JR. (S'152-A'153-M'158), Electronics
 Engr., Firestone Tire & Rubber Co., 2525 Firestone,
 Los Angeles, Calif.
 SILVA, CARLOS (A'57), Engr., WestInghouse Elec. Corp.,
 Box 746, BaltImore 3, Md.
 SILVA, CHARLES C., JR. (S'52-A'53-M'58), Dev. Engr.,
 Clevite Transistor Prods., 241-257 Crescent St., Waltham,
 Macc.

- Mass.
 SILVA, FRANCIS A. (S'56-M'58), Elec. Engr., Bendix
 Radio Co., Baltimore 4, Md.
 SILVA, LAWRENCE M. (S'50-A'51-M'56), Dir., Research
 & Dev., Beckman Instruments, Fullerton, Calif.
 SILVA, LEROY F. (A'53-M'58), Engrg. Mgr., Columbus
 Process Co., Inc., 2851 Southeastern Ave., Columbus,
 Ind.

- Ind.

 SILVA, RAUL OE CASTRO E. (A'58), Lt. Cmdr.,
 Brazilian Navy, Electronic Instr. for Cadets, Navy
 Academy, Rio de Janeiro, Brazil.

 SILVA, ROBERT F. (5'54-M'56), Grad. Teaching Asst.,
 Purdue Univ., 535 Harrison Ct., West Lafayette, Ind.

 SILVA, WILL (A'35-VA'39-M'55), Selsmic Supyr.
 Texaco, 3350 Wilshire Bivd., Los Angeles 5, Calif.

 SILVAGGIO, JOSEPH A. (S'57-A'59), 1434 Lod St.,
 Syracuse 8, N.Y.

 SILVEN, JOHN W. (S'50-A'51-M'56), Supyr. Electronics
 Engr., FAA, Box 440, Sect. AN-625, Anchorage,
 Alaska.

 SILVER, AARON N. (S'56-M'5R), Staff Engr. Electronic
- SILVER, AARON N. (S'56-M'58), Staff Engr., Electronic Research Lab., Columbia Univ., 632 W. 125 St., New York 27, N.Y.
- SILVER, B. L. (A'20-VA'39)(L), 719 8 Ave., Brooklyn 15, N.Y.
- 15, N.Y.
 SILVER, DONALD (M'58), Assoc. Engr., American Bosch
 Arma Corp., Garden City, L.I., N.Y.
 SILVER, JOHN F. (A'36-VA'39-M'55), Pres., The James
 Knights Co., Sandwich, III.
 SILVER, LAWRENCE (A'53), Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.
 SILVER, MARTIN (A'42-M'55), Partner, L & M Associates,
 511 Victor St., Saddle Brook, N.J.
 SILVER, MICHAEL (S'57-M'59), Jr. Elec. Engr., Fairchild
 Astrionics, Wyandanch, N.Y.
 SILVER, NATHANIEL (A'53), Sr. Project Engr., Sprensen

- SILVER, NATHANIEL (A'53), Sr. Project Engr., Sorensen & Co., Inc., South Norwalk, Conn. SILVER, ROLANO (M'56), Staff Mem., MIT Lincoln Lab., Lexington 73, Mass.
- SILVER, SAMUEL (M'46-SM'50-F'54), Prof., Engrg. Science Dir., Electronics Research Lab., Univ. of California, Berkeley 4, Calif.

- SILVER, SAUL H. (S'48-A'49-M'55), Sect. Mgr., American Machine & Foundry Co., 1025 N. Royal St., Alexandria, Va. SILVERA, RAPH V. (S'57-M'58), Elec. Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N.Y. SILVERBERG, BARBARA H. (M'57), Staff Engr., Electronics Research Labs., Columbia Univ., 632 W. 125 St., New York 27, N.Y.
- SILVERBERG, JERRY (S'56-M'59), Elec. Engr., ITT Labs., Nutley 10, N.J. SILVERBERG, MICHAEL (S'5D-A'52-M'58), Engrg. Dept. Head, Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

- Island City 1, N.Y.

 SILVERMAN, BERNARD (S'46-A'50-M'55), Assoc. Prof., Elec. Engrg. Dept., Syracuse Univ., Syracuse, N.Y.

 SILVERMAN, BERNARD P. (S'49-A'49-M'55), Supvg. Engr., IDP Div., Friden, Inc., 2350 Washington Ave., San Leandro, Calif.

 SILVERMAN, BESSIE S. (A'58), Engrg. Asst., Electronics Proving Ground, U. S. Signal Corps, Ft. Huachuca, Ariz.

 SILVERMAN, DANIEL (A'42-SM'51-F'53), Geophysical Research Dir., Pan American Petroleum Corp., Box 591, Tulsa 2, Okla.

- Research Dir., Pan American Petroleum Corp., Box 591, Tulsa 2, Okla.

 SILVERMAN, DAVID (A'53), Chief Engr., Hellpot Corp., Rte. 22 at Summit Rd., Mountainside, N.J.

 SILVERMAN, DAVID M. (A'51-M'57), Electronics Engr., Craig Systems, Inc., 90 Holten St., Danvers, Mass.

 SILVERMAN, DONALD (S'56-M'58), 789 St. Marks Ave., Brooklyn 13, N.Y.

 SILVERMAN, ELLIOT (A'50-M'55), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 SILVERMAN, HERBERT M. (A'48-M'55), Head, HF/LF Sect., Comm-IFF Branch, Avionics Div., Bureau of Aeronautics, Navy Dept., Washington 25, D.C.

 SILVERMAN, IRA (S'57-M'59), Engr., Hughes Aircraft Co., Culver City, Calif.

 SILVERMAN, JULIAN B. (A'53-M'58), Sr. Engr., Eastem Associates, Inc., 620 Homestead Rd., Jenkintown, Pa. SILVERMAN, LOUIS (A'57), Report Writer, GE Co., Syracuse, N.Y.
- Syracuse, N.Y.
 SILVERMAN, MARTIN (SM'56), Mgr., Tube Olv., Waterman Prods, Co., Inc., 2445 Emerald St., Philadelphia 25, Pa.

- Philadelphia 25, Pa.
 SILVERMAN, MICHAEL L. (S'55-M'57), Elec. Engr., ITT Labs., 343 Cortlandt St. Belleville, N.J.
 SILVERMAN, RICHARD A. (M'54-SM'58), Assoc. Prof., Engre, Brown Univ., Providence, R.I.
 SILVERMAN SAMUEL (SM'56), Chief Engr., Maint. & Engre, Branch, Office of the Chief Signal Officer, Munitions Bldg., Washington 25, D.C.
 SILVERMAN, STANLEY (S'35-M'56), Sr. Electronic Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
 SILVERMAN, STANLEY (S'57-M'59), Flec. Engr., Baldw

- Long Island City 1, N.Y.

 SILVERMAN, STANLEY (S'57-M'59), Elec. Engr., Baldwin Piano Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.

 SILVERMETZ, DAVIO (M'56), Dev. Engr., Servo Corp. of America, 20-20 Jericho Toke., New Hyde Park, L.I., N.Y.

 SILVERN, LEONARD C. (A'54), Asst. Head, Office of Scientific Education, Engrg., Genl. Diffice, Hughes Aircraft Co., Culver City, Calif.

 SILVERS, ABRAHAM (M'57), Elec. Engr., InternatI. Rectifier Corp., 1521 E. Grand Ave., El Segundo, Calif.

- SILVERSCHOTZ, STANFORD B. (M'57), Project Engr., ITT Labs., Nutley 10, N.J.
 SILVERSMITH, GORDON B. (M'57), Microwave Project Engr., Pitometer Log Corp., 237 Lafayette St., New York 12, N.Y.
- York 12, N.Y.
 SILVERSTEIN, ABRAHAM (A'52-M'58), Physicist, Naval Ordnance Lab., White Oak, Silver Spring, Md.
 SILVERSTEIN, EDWARD R. (S'56-M'59), Microwave Application & Standardization Engr., RCA, Camden 2, N.J.
 SILVERSTEIN, MILTON M. (A'49-M'56), Staff Engr., Missile Systems Div., Lockheed Aircraft Corp., 7701
 Woodley, Van Nuys, Calif.
 SILVERSTEIN, PETER K. (A'57), Sr. Electronics Technician, Sylvania Electronic Defense Lab., Wishman Rd., Mountain View, Calif.
 SILVERSTEIN, PATONIC METERS AND METERS

- View, Calif.

 SILVERSTONE, DAVID M. (M'57), Dir., Audio-Visual Center, Univ. of Bridgeport, Bridgeport 4, Conn.

 SILVERTOOTH, ERNEST W. (M'49), Sales Engr., 2611 E1 Caminito, La Crescenta, Calif.

 SILVESTER, D. D. (A'44-M'48), Sr. Scientific Officer Admiralty Signal & Radar Est., 6, P. O., London, Englas SILVEY, JOHN O. (A'51-M'58), Mgr., Engrg., 1TT Federal Corp., 3101 Wayne Trace, Ft. Wayne, Ind.

 SILVUS, HOWARD S., JR. (S'55-M'57), Research Engr., Southwestern Industrial Electronics, 10201 Westheimer, Houston 27, Tex.

 SILZER, VICTOR (A'58-M'59), Elec. Engr., Bell Tel. Labs., Murray Hill, N. (S'51-M'56), Sr. Engr., Westinghouse Elec. Corp., 80x 746, Baltimore 3, Md., Martin A. (S'57-M'59), Engr., Bendix Avia-SIMANYI, ATTILAI. (S'57-M'59), Engr., Bendix Avia-SIMANYI, ATTILAI. (S'57-M'59), Engr., Bendix Avia-SIMANYI, ATTILAI. (S'57-M'59), Engr., Bendix Avia-

- Md.

 SIMANYI, ATTILAI. (S'57-M'59), Engr., Bendix Aviation Corp., Box 5115, Detroit 35, Mich.

 SIMAS, VICTOR R. (S'48-A'50-SM'56), Electronic Scientist, Naval Research Labs., Washington 25, D.C.

 SIMBECK, RICHARD H. (S'57-M'59), Project Engr., Keystone Carbon Co., 1935 State St., St. Mary's, Pa.
- Pa.
 SIMBERG, ROBERT S. (S'55-M'58), 2925 Mermald
 Ave., Brooklyn 24, N.Y.
 SIMBERKOFF, JACK A. (A'53), Mfrs. Rep., 68 Hudson
 St., Hoboken, N.J.
 SIMBERKOFF, S. W. (A'54), Partner, Simberkoff Sales
 Co., 68 Hudson St., Hoboken, N.J.
 SIMEK, JOHN G. (S'56-M'58), Assoc. Engr., IBM,
 Endicott, N.Y.

- Endicott, N.Y.

 SIMEK, ROBERT L. (S'54-A'55), Dept. Mgr., IBM, Poughkeepsle, N.Y.

 SIMENDINGER, ROBERT A. (M'56), Elec. Engr., RCA, Moorestown, N.J.

 SIMES, JAMES G. (S'55-M'58), Design Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

 SIMISTER, ROBERT M. (A'46-M'54), Asst. Supt., Electrical Distribution, Greater Winnipeg Transit Commission, 10 Fort St., Winnipeg 1, Man., Canada.

 SIMKINS, E., DANIELL (M'58), Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

SIM-SIN

- SIMKINS, QUINTON W. (S'49-A'50-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. SIMKINS, ROBERT S. (A'53-M'57), 30 Amby Ave., Plainview, L.I., N.Y.
- SIMKO, RICHARD S. (A'54), 665 Nichols Ave., Stratford,

- Conn.
 SIMKOVICH, JOHN R. (A'52-M'57), Dev. Engr., ITT
 Labs... N.tley 10, N.J.
 SIMMONDS, JOHN C. (A'39), Mng. Dir., Airmec.,
 Ltd., High Wycombe, Bucks., England.
 SIMMONDS, JULES G. (A'54), Dir., Field Service,
 Budd-Stanley Co., Inc., 43-01 22 St., Long Island
 City 1, N.Y.

- Budd-Stanley Co., Inc., 43-01 22 St., Long Island City 1, N.Y.

 SIMMONDS, L. CLAUDE (J'37-A'39-VA'39), Genl. Mgr., A.C. Simmonds & Sons, Ltd., 100 Merton St., Toronto 7, Ont., Canada.

 SIMMONDS, THOMAS H., JR. (S'52-A'54), Mem. Tech. Staft, Bell Tel. Labs., Murray Hill, N.J.

 SIMMONDS, A.C., JR. (M'54), V.P., Communication Engrg. Co., 900 Drayon St., Dallas, Tex.

 SIMMONS, A.C., JR. (A'47), Staff Mem., T.R.G., Inc., 9 Union Sa., Somerville 43, Mass.

 SIMMONS, RAIAN D. (M'56), Group Leader, Electronic Switching Siemens-Ediswan Research Labs., Grotes Pl., Blackheath, London, S.E., 3, England.

 SIMMONS, CHARLES A. (M'54-SM'57), Sr. Engr., Martin Co., Orlando, Fla.

 SIMMONS, CHARLES D. (S'51-A'54), Applications Engr., Lansdale Tube Co., Lansdale, Pa.

 SIMMONS, CHARLES H. (A'56), Electronics Engr., Radio Receptor Co., Inc., 81 N. 4 St., Brooklyn 11, N.Y.

 SIMMONS, EDWARO, JR. (S'33-A'36-VA'39-M'55), Consulting Engr., 455 S. Oakland Ave., Pasadena 5, Calif.

 SIMMONS, ELMER C. (M'50), Sr. Engr., Lab for Flees.
- Calif.
 SIMMONS, ELMER C. (M'50), Sr. Engr., Lab. for Electronics, Inc. 1,079 Commonwealth Ave., Boston, Mass.
 SIMMONS, FRANKLIN A. (S'49-A'50-M'56), Mica Engr., Aerovox Corp., 742 Belleville Ave., New Bedford, Mass.
 SIMMONS, GIISTAVIIS. I. (A'54-M'57), Staff Mem., Sandia Corp., Sandia Base, Albuqueroue, N. M.
 SIMMONS, JOEL M., JR. (S'46-A'49-M'50), Sr. Electronics Engr., Convair-Astronautics, Box 1128, San Diego 12, Calif.

- 12, Calif.

 SIMMONS, JOHN C. (M'44), Project Engr., Teletronics Lahs, Inc., Westbury, L.I., N.Y.

 SIMMONS, JOHN W., III (S'55-M'57), Research Engr., Highes Aircraft Co., Culver City. Calif.

 SIMMONS, REGINALD F. (S'56-M'58), Instr., Elec. Engrg., Mississippi State Univ., State College, Miss.

 SIMMONS, RICHARD E. (S'58-M'59), Box 1067, Albuquerque, N. M.
- querque, N. M.
 SIMMONS, ROBERT A. (A'58), Pres., Simkon Engrg.
 Associates, Berea, Olio.
 SIMMONS, VICTOR J., JR. (S'55-A'56), Supvr. Electronic
 Installation Technician, FAA, 8ox 90007, Airport Sta.,
 Los Angeles, Calif.
- Installation Technician, FAA, 8ox 90007, Airport Sta., Los Angeles, Calif.

 Installation Technician, FAA, 8ox 90007, Airport Sta., Los Angeles, Calif.

 IMMONS, WILLIAM J., US'56-M'58), Jr. Asst. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 SIMMONS, WILLIAM J., JR. (A'54), Engr., Sylvania Elec. Prods., Inc., 1891 E. 3rd St., Williamsoort. Pa.

 SIMMS, ABSALOM (A'56), Fire Control Design Engr., Bureau of Ordnance, Washington, D.C.

 SIMMS, JOHN P. (A'55), Electro-Mech. Designer, Electronic Process Co., 1871 7 Awe., New York 26, N.Y.

 SIMMS, RICHARD J. (M'56), Staff Engr., Bendix Systems Div., 3300 Plymouth Rd., Ann Arbor, Mich.

 SIMMS, TERENCE C. (A'58), Foreman, Signals, British Army. Royal Corps of Signals, Yorkshire, England.

 SIMOS, TERENCE C. (A'58), Foreman, Signals, British Army. Royal Corps of Signals, Yorkshire, England.

 SIMOS, CEASAR R. (A'58), 4 Elm St., Methuen, Mass.

 SIMON, ARTHUR (S'48-A'49-M'54), Engrg. Supvr., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 SIMON, CHARLES J. (M'46), Myr., Sales, Closed Circuit TV Equipment, GE Co., Syracuse, N.Y.

 SIMON, DAVID H. (M'57), Advertising & Merchandising Mgr., Special Tube Operations, Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 SIMON, EDWARD (M'55), V.P. Engrg., Solid State Prods., Inc., 1 Pingree St., Salem, Mass.

 SIMON, EMIL J. (IRE Charter Mem.)(A'12-M'12-F'15)(L), Consulting Engr., 50 Church St., New York 7, N.Y.

 SIMON, HERBERT S. (M'59), Hughes Aircraft Co., Box 2097 Fulletion, Calif.

- New York 13, N.Y.
 SIMON, HERBERT S. (M'59), Hughes Aircraft Co., Box 2097
 Fullerton, Calif.
 SIMON, IRVING A. (S'51-A'51-M'56), Electronics Systems
 Analyst, Republic Aviation Corp., Farmingdale, L.I., N.Y.
 SIMON, JACK M. (A'48-M'52-SM'59), Engrg. Sect. Head,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SIMON, LAWRENCE H. (A'54-M'57), Sr. Engr., Electronic
 Communications, Inc., 1501 72 St., N., St. Pettersburg,
 Fla.
- SIMON, MDRRIS L. (S'43-A'50-M'58), Asst. Chief Engr., Dlympic Radio & Television Corp., 34-01 38 Ave., Long Island City 1, N.Y.
- Island City 1, N.Y.
 SIMON, PAUL R. (A'52-M'57), Tube Application Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.
 SIMON, PIERRE F. (A'55), Parner, Machine & Prods. Co., 52 Wall St., New York, N.Y.
 SIMON, ROBERT T. (S'57-M'59), Elec. Engr., Eclipse-Pioneer Div., Teterboro, N.J.
 SIMON, WERNER (S'49-A'50-M'58), Sr. Electronics Engr., Sperry Rand Corp., 1900 W. Allegheny Ave., Philadelphia 29, Pa.
- SIMONDS, CLARENCE S. (M'56), 6406 Lancelot Rd., Toledo 12, Ohio.

- Toledo 12, Ohio.

 SIMONDS, FLOYD W. (M'56), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 SIMONDS, FLOYD W. (M'56), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 SIMONDS, FRANCIS M. J.R. (S'55-A'58), Radar Mechanic, Hgrs. Btry. 2 How 2n., 27 Arty., APO 39, New York, N.Y.

 SIMONDS, RAYMOND E. (A'47-M'51-SM'57), Asst. Mgr., Prof. Frequency Bureau, 60 Broad St., New York 4, N.Y.

 SIMONDS, ROY L. (S'47-A'50-M'58), Field Engr., Philodocorp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 SIMONE, ROYL. (S'47-A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 SIMONE, LEO A. (M'55), Engr., Servomechanisms, Inc., 1000 W. El Segundo Blvd., Hawthome, Callf.

 SIMONEAU, EARL P. (S'56-M'59), Jr. Elec. Engr., Norden Div., United Aircraft Corp., Milford. Conn.

- 379 -
- SIMONELLI, NAZARO A. (S'51-A'53-M'57), Sr. Engr., Spery Gyroscope Co., Great Neck, L.I., N.Y. SIMONI, ARNDLD (M'54), Pres., Engr., Precision Electronic Components, Ltd., 50 Wingold Ave., Toronto 10, Ont.,
- Canada.
 SIMONI, FRANCIS R. (S'52-A'55), Project Engr., Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J.
 SIMONS, A.H. (M'42-SM'58), 54 Western Elms Ave., Reading, England.
 SIMONS, BURTON H. (A'39-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whitppany, N.J.
 SIMONS, DANA D. (S'56-M'58), Electronics Engr., 80eing Airplane Co., Seattle, Wash.

- Airplane Cd., Seattle, Wash.
 SIMONS, DAVID E. (SW15B), Asst. Prof., Dept. of Elec.
 Engrg., Univ. of Maryland, College Park, Md.
 SIMONS, HAROLD C. (A157), Owner, Capital ElectronicsCine Service, 904 Qakland Ave., Lansing 15, Mich.
- SIMDNS, JOHN C., JR. (A'51-SM'56), Dir., Applied Physics Research, Natl. Research Corp., 70 Memorial Dr., Cambridge 42, Mass.
- 42, Mass...
 SIMONS, KENNETH A. (S'37-A'39-M'47), Chief Engr.,
 Jerold Electronics Corp., Box 647, Southampton, Pa.
 SIMONS, ROBERT A. (S'56-M'58), Electronics Scientist,
 Wright Air Development Center, Wright-Patterson AF8, Ohio.
 SIMONS, RODNEY F. (SM'54), Oept. Head, Special Systems
 & Components, Airborne Instrument Lab., Mineola, L.1., N.Y.

- & Components, Airborne Instrument Lab., Mineola, L.I., SIMONS, ROLAND J. (S'50-A'52-M'57), Engr., Doeing Airplane Co., Seattle, Wash.
 SIMONS, STEPHEN C. (S'53-A'55), Field Engr., RCA, 64 A St., Needham 94, Mass.
 SIMONS, WILLIAM S. (S'49-A'55), Oev. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif, SIMDNTON, LAWRENCE J. (A'48-M'55), Engr., Spery Gyroscope Co., Marine Div., #7 Aerial Way, Syosset, L.I.N.Y.
- SIMOPOULOS, NICHOLAS T. (A'53-M'59), V.P.-in-Chg., Engrg., Dayton Electronic Prods. Co., 320 Vermont Ave., Dayton 4, Ohlo.
- SIMPSON, ALBERT D. (A'44-SM'51), Owner, Lehigh valley Electronics Engry. & Mfy. Co., 215 S. 3rd St., Allentown, Pa.

- Valley Electronics Engrg. & Mfg. Co., 215 S. 3rd St., Allentown, Pa.

 SIMPSON, BARRY H. (M'57), Mgr., Instrumentation Prods., Ampex American Corp., Canadian Div., 77 Metcalle St., Ottawa, Ont., Canada.

 SIMPSON, 808 L. (S'54-A'56-M'57), Engr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif SIMPSON, CHARLES H. (S'57-M'5B), Asst. Test Engr., Hughes Aircraft Co., El Segundo, Calif SIMPSON, DDNALD B. (M'57), Computer Engr., Acoustica Associates, 26 Windsor Ave., Mineola, L.I., N.Y.

 SIMPSON, EMMETT S., JR. (A'56), Electronics Engr., USN, O&R Dept., NATB, Pet acola, Fla.

 SIMPSON, ERNEST M., JR. (S'56-M'57), Electronics Engr., RCA, Patrick AFB, Fla.

 SIMPSON, ERVIN J. (A'51), Supvr., Environmental Test, Motorola, Inc., 8201 E. McDowell Rd., Phoenia, Ariz.

 SIMPSON, FRANK W. (S'42-A'44-M'55), Scientific Officer, Defense Research Telecommunications Est., Montreal Rd., Ottawa, Ont., Canada.

 SIMPSON, J. DAVID (S'55-M'57), Electronics Maint., Officer, USN, USS Energy (MSO-436), FPO, San Francisco, Calif.

 SIMPSON, J. MESS E. (S'55-M'56), Microwave Application

- cisco, Calii.
 SIMPSON, JAMES E. (S'53-M'56), Microwave Application & Test Engr., RCA, Harrison, N.J.
 SIMPSON, JOHN R. (M'57), Radio Sales Engr., Automatic Elec., Sales, Ltd., 185 Bartley Dr., Toronto 16, Ont.,
- Canada
 SIMPSON, KENNETH R. (M'55), Tube Engr., Westinghouse Elec. Corp., Box 284, Elmira, N.Y.
 SIMPSON, LERDY C. (J'28-A'30-M'41-SM'43-F'59), Mgr., Systems Projects, RCA Internati. Div., Clark, N. 1.
 SIMPSON, LOUIE F. (M'57), Research Engr., Boeing Airplane Co., 3801 S. Oliver, Wichita, Kan.
 SIMPSON, MICHAEL E. (S'54-M'57), Assoc. Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

- Spring, Md.
 SIMPSON, MURRAY (M'46), Asst. V.P., Tech. Dir.,
 W. L. Maxson Corp., 475 10 Ave., New York, N.Y.
 SIMPSON, OSCAR T. (M'46-SM'51, Genl. Mgr., Western
 Dev. Labs., Philco Corp., 3875 Fābian Way, Palo Alto,
 Calif,
- Call!,
 SIMPSON, PAUL D. (M'58), Electronics Scientist, Rome
 Air Development Center, Griffiss AFB, N, Y,
 SIMPSON, PHILIP A. (A'53-M'5B), Physicist, U.S. Nati.
 Bureau of Standards, High Frequency Standards Div.,
 Boulder, Colo.
- SIMPSON, RICHARD H. (S'56-M'5B), Research Engr., Aluminum Co. of America, Freeport Rd., New Kensington, Pa.

- SIMPSON, KICHARD H. (S'56-M'5B), Research Engr., Aluminum Co. of America, Freeport Rd., New Kensington, Pa.

 SIMPSON, RICHARD O. (S'56-M'57), 856 Grape Ave., Sunnyvale, Calif.

 SIMPSON, S. H., JR. (A'39-VA'39-SM'48), Asst. V.P., Southwest Research Institute, 8500 Culebra Rd., San Antonio 6, Tex.

 SIMPSON, TED L. (S'56-M'57), Jr. Engr., Developmental Engrg. Corp., 1001 Connecticut, Washington 6, D.C.

 SIMPSON, WILLIAM D. (S'58-M'59), Assoc. Wind Tunnel Engrg., Chance-Vought Aircraft, Dallas, Tex.

 SIMPSON, WILLIAM E. (S'58-M'59), Assoc. Wind Tunnel Engr., Chance-Vought Aircraft, Dallas, Tex.

 SIMPSON, WILLIAM F. (G'38-VA'39-M'55), 245 W. Passaic Ave., Rutherford, N.J.

 SIMPSON, WILLIAM F. (A'38-VA'39-M'55), 245 W. Passaic Ave., Rutherford, N.J.

 SIMPSON, WILLIAM P. (SM'56), Sales Mgr., Presin Co., 2014 Broadway, Santa Monica, Calif.

 SIMRALL, HARRY C. (SM'50), Dean, School of Engrg., Dir., Engrg. & Industrial Research Sta.; Dir., Engrg. Ext. Service; Prof., Elec. Engrg., Mississippi State Univ., Box 217, State College, Miss.

 SIMROD, RICHARD (M'56), Lab. Technician, Perth Tech. College, St. George's-ter. Perth, W. A., Australia.

 SIMS, BENJAMIN S. (A'39-M'34), Jr. Engr., Dev. & Design, Anderson Nichols & Co., 150 Causeway St., Boston, Mass.

 SIMS, DAVID S. (A'48-SM'55), Supvg. Engr., Westinghouse Elec. Corp., Ordnance Dept., Baltimore 3, Md.

 SIMS, JAMES C. (S'55-M'57), Group Engr., Missile Test, Martin Co., Box 179, Denver 1, Colo.

 SIMS, JAMES C. (S'57-M'57), Group Engr., Missile Test, Martin Co., Box 179, Denver 1, Colo.

- SIMS, JOHN C., JR. (A'4B-M'52-SM'58), Mgr., Physical Design Dept., Sylvania Electronic Systems, 189 B. St., Needham 94, Mass.
- SIMS, JOHN L. (S'51-A'53-M'57), Research Engr., Autometics Div., No. Amer. Aviation, Downey, Calif. SIMS, JOHN R. (S'5B-M'59), Jr. Engr., IBM, Owego,
- SIMS , ROBERT C. (A'53-M'5B) , Project Engr. , Research Labs. Div. , 8endix Aviation Corp. , Box 5115 , Detroit 35 , Mich.

- Mich.

 SIMS, ROBERT E. (S'52-A'55), Electronics Technician, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SIMS, S. DONALD (S'54-M'59), Instr., School of Elec. Engr., Purdue Univ., West Lafayette, Ind.

 SIMS, STEPHEN P. (A'58), Tech. Account Exec., S. Paul Sims Co., 257 4 Ave., New York 10, N.Y.

 SIMS, THETUS W. (A'48), Electronics Engr., Corps of Engrs., Ohio River Div., 315-335 Main St., Cincinnati 1, Ohio.

- 1, Ohio.

 SIMS, WILLIAM H., JR. (A'36-VA'39-M'55), Chief Engr., Bendix Ayiation., York, Pa.

 SIMSEN, CALVIN A. (A'54-M'56), Electronics Engr., GE Co., Richland, Wash.

 SINBACK, WARNER R. (M'47), Mgr., Mktg., Defense Systems Dept., GE Co., Syracuse, N.Y.

 SINCLAIR, A. LEFTWICH (M'56), Project Engr., Bendix Radio Corp., Towson 4, Md.

 SINCLAIR, DONALD B. (J'30-A'33-M'38-SM'43-F'43), V.P. & Chief Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 SINCLAIR, DONALD C. (A'444), inspection. Zenith Radio
- West Concord, Mass.

 SINCLAIR, DONALD C. (A'44), inspection, Zenith Radio Corp., 1500 N. Kostner, Chicago, III.

 SINCLAIR, GEORGE (A'37-SM'46-F'54), Prof., Elec. Engre, Juliv. of Toronto; Pres., Sinclair Radio Labs., Ltd., 70 Sheffield St., Toronto 15, Ont., Canada. SINCLAIR, JOHN G., JR. (A'50-SM'57), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 SINCLAIR, KENNETH F. (SM'59), Supvy. Electronics Scientist, U. S. Naval Radiological Defense Lab., San Francisco 74, Calif.
- erangistri (4). Jalif SINCLAIR, ROBERT O., JR. (S'45-A'48-M'52-SM'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. SINCLAIR, RONALD R. (A'55), Design Engr., Crosley Div., Avoo Mfg. Corp., Evendale, Ohio. SINCLAIRE, FRANCIS S. (M'58), Test Instrument Engr., Allied Control Co., Inc., 2 East End Ave., New York 21, N.Y.

- SINCLAIRE, LANCE W. (A'53), Maj., USAF, Box 394, Bristol, Fla. SINDELAR, FRANK J. (A'53), Quality Control Mgr., 18M, Poughkeepsle, N. Y.
- Polignicensile, N. Y.
 SINES, WAYNE U., JR. (S'50-A'51-M'58), Asst. Prof.,
 Univ. of Pittsburgh, Pittsburgh 13, Pa.
- SINEX, CHARLES H. (S'51-A'52-SM'52), AFBMD Liaison Officer at Hg. USAF, AFBMD, ARDC, 8ox 25, Los Angeles, Calif.
- Los Angeles, Calif.
 SINGEL, JOHN 8. (A'41-SM'54), Supvr. Engr., Electronics Div., Westinghouse Elec. Corp., Baltimore 3, Md
 SINGER, CHARLES H. (A'38-SM'47), V.P.,-in-Chq.,
 Operations, Page Communications Engrs., Inc., 710
- SINGER, DANIEL F. (A'54), Staff Engr., I8M, Poughkeepsle,
- SINGER, EDWIN (M'58), Sr. Engr., The Telerigister Corp., 445 Fairfield Ave., Stamford, Conn
- 445 Fairfield Ave., Stamford, Conn SINGER, EMANUEL (4'47-M'55), Dev. Engr., ITT Labs., Nutley 10, N.J. SINGER, FRED J. (SM'44), Dir., Systems Engrg., Bell Tel. Labs., Murray Hill, N.J. SINGER, FREDERICK, JR. (A'52-SM'57), Project Engr., ITT Labs., Nutley 10, N.J. SINGER, GEORGE A. (M158), Engr., RCA, Camden 2,
- N.J. SINGER, HARRY (S'50-A'51-M'57), Production Engr., Electronics, BOB4AU SSC, APO 503, San Francisco, Calif.
- SINGER, JAMES E. (S'55-M'57), Project Officer, Electronic Reconnalssance Systems, USAF, Wright-Patterson AFB, Ohio.
- SINGER, JEROME R. (S'55-M'57-SM'59), Assoc. Prof., Elec. Engrg., Univ. of California, Berkeley 4, Calif. SINGER, JOHN S. (M'57), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

- Corp., Garden City, L.I., N.Y.
 SINGER, LEEM., MM-54), Mor., Air Defense Sales, Bendix
 Radio Div., Baltimore 4, Md.
 SINGER, LLOYD W. (A'58), Pres., Lloyd Singer & Co.,
 Inc., 381 4 Ave., New York, N.Y.
 SINGER, RICHARD E. (M'59), Engv., Air Reduction Co.,
 Clermont Ter., Union, N.J.
 SINGER, SIDNEY (SM'57), Physicist, Test DIv., Los
 Alamos Scientific Lab., Box 1663, Los Alamos, Calif.
 SINGER, THEODORE (M'56), Sect. Head, Systems Research Sect., Datamatic Corp., 151 Needham St., Newton 61, Mass.
- ton 61, Mass.
 SINGH, AMARJIT (SM'56), Asst. Dir., Central Electronics
 Engrg. Research Institute, Pilani (Rajasthan), India.
 SINGH, KIRPAL (M'58), Dept. of Broadcasting, Federal
 House, Kuala Lumpur, Malaya.
 SINGH, RAMESHWAR P. (M'57), Engr.-in-Chg., Wireless
 Sta., Indian Embassy, Under Ministry of External Affairs,
 Govt. of India, Nepal, India.
- SINGLE, CHARLES H. (A'53-M'58), Mgr., Computer Engrg., Berkeley Div., Beckman Instruments, 2200 Wright Ave., Richmond, Calif.
- SINGLE, EUGENE P. (M'55), Dev. Engr., Tektronix, Inc., Portland, Ore.
 SINGLEBACK, GEORGE W. (A'56), Elec. Engr., TV Div., RCA, Camden, N.J.
- RUA, Camden, N.J.
 SINGLETON, CLYDE M. (A'47-M'49), Sr. Project Engr.,
 Office of Naval Research Special Devices Center, Port
 Washington, I. I. N.Y.
 SINGLETON, HAROLD C. (A'25-M'43-SM'43), Consulting
 Radio Engr., 4488 S.W. Council Crest Dr., Portland 1,
- SINGLETON, HENRY E. (A'47-SM'50), Dir., Engro., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
- Calif.
 SINGLETON, HOWARD A. (S'56-A'57), Staff Asst., Sandia
 Corp., Sandia Base, Albuquerque, N.M.
 SINGLETON, RICHARD C. (S'48-A'52-M'58), Research
 Engr., Stanford Research Institute, Stanford, Calif.

- SINHA, NARESH K. (M'57), Assoc. Prof., Telecommunication Engro., Bihar Institute of Technology, Sindri, India.

 SINISH, R. DONALD (SM'55), Staff Engr., ITT Federal, 3101 Wayne Trace, Ft. Wayne, Ind.

 SINK, JAMES A. (A'56). Engr., RCA, Camden B, N. J.

 SINK, ROBERT L. (S'37-A'41-SM'48), Assoc. Dir., Advanced Electronics Data Lab., Consolidated Electrodynamics Corp., 620 N. Lake St., Pasadena, Calif.

 SINK, WILLIAM C. (S'53-A'54), Sr. Project Engr., GMC Proving Ground, Milford, Mich.

 SINKER, CECIL I. (M'58), Dean, Heald's Engrg. College, 924 9 St., Sacramento 14, Calif.

 SINKO, JOHN P. (A'58), 196 Fares St., Port Colborne, Ont., Canada.

unt., Janaca.
SINN, GLLBERT (A'53-M'59), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
SINN, ROBERT S. (M'58), Dev. Engr., RCA, Camden, N.J.

N.J.
SINNETT, CHESTER M. (SM'52-F'55), Mgr., Advanced
Dev. Sect., RCA, Camden, N.J.
SINNETT, ROBERT J. (A'38-M'46-SM'56), Dir., Engrg.,
Rock Island Broadcasting Co., WHBF-AM-FM-TV, Telco
Bldg., Rock Island, III.

Bidg., Rock Island, III.

SINNETTE, JOHN T., JR. (A'53-M'58), Systems Analysist, Advanced Systems Dev. Div., Cleveland Pneumatic Industries, Inc., 140 Oregon St., El Segundo, Calif.

SINNINGER, DWIGHT V. (SM'48), Box I, Oak Park, III.

SINNOTT, DANIEL (S'54-M'57), Project Engr., USAF, WADC, ARDC, Whight Patterson AFB, Ohio.

SINNOTT, FRED T. (M'56), Electronic Group Engr., Convair-Astronautics, San Diego, Calif.

SINNOTT, JOHN (A'49-M'55-SM'58), Design Supvr., Hazeltine Corp., Little Neck 62, L.I., N.Y.

SINNOTT, NORMAN F. (A'57), Staff Assoc., Sandia Corp., Sandia Base, Albuquerque, N.M.

SINSEL, PAULL W. (S'48-A'49-M'58), 1020 Wilkie Dr.

SINNOTT, NORMAN F. (A'57), Staff Assoc., Sandia Corp. Sandia Base, Albuquerue, N. M.

SINSEL, PAUL W. (S'48-A'49-M'58), 1020 Wilkie Dr., Charleston 4, W. va.

SINSHEIMER, WALTER J. (S'51-A'53), Engr., Western Electric Co., 220 Church St., New York 7, N. Y.

SIOLES, GEORGE W. (M'52), Head, Transducers Group, CBS Labs., 227 High Ridge Rd., Stamford, Conn.

SIOMKO, GEORGE (S'54-A'55), Engr., Philoc Corp., 4700 N. Wissahickon Ave., Philadelphia 44, Pa.

SION, ELIO (S'47-A'51-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

SIOURIS, GEORGE M. (A'54), Power Engr., Western Electric Co., 80 Mulberry St., Newark, N.J.

SIPERLY, BRUCE H. (S'55-M'95), Electronics Engr., Convalr., San Diego 12, Calif.

SIPHERS, JOSEPH W. (S'49-A'50-M'55), Sr. Engr., IBM, Kingston, N.Y.

SIPLER, HARRY (A'56-M'56), Electronics Scientist, Research & Dev. Group, Frankford Arsenal, Philadelphia 37, Pa.

Search & Dev. ordor, Prainton Arsenia, Prilladerphia 37, Pa.

SIPPACH, FREDERICH W., JR. (A'53-M'58), Engr., Weston Electric Instruments, Inc., Newark, N. J.,

SIPPACH, HANS G. (M'58), Research Engr., Boeing Airplane Co., Seattle, Wash.

SIPPACH, RICHARD W. (M'59), Research Engr., Lockheed Aircraft Corp., Sunnyvale, Calif.

SIPRESS, JACK M. (S'57-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.

SIRA, MANUEL A., JR. (A'46), Partner, Engultech Works Associates, 931 53 St., Brooklyn 19, N.Y.

SIRBOLA, GEORGE (A'53-M'58), Mem. Tech. Staff, Electronics, Hughes Aircraft Co., Mail Sta. 76, Inglewood 1, Calif.

SIREL. MICHEL (A'54-M'59), Engr., Societe Nouvelle

wood 1, Calif.

SIREL, MICHEL (A'54-M'59), Engr., Societe Nouvelle
d'Electronique, 59 rue des Orteaux—Parls, France.

SIRKIS, MURRAY D. (A'55), Assoc. Prof., Elec. Engrg.,
Rutgers Univ., College of Engrg., New Brunswick, N. J.

SIROTA, NORMAN (M'49-SM'56), Project Engr., Fairchild Astrionics Div., Wyandanch, L. J., N, Y.

SIROWATKA, JEAN C. (S'55-A'56), IBM, Kingston, N.Y.

SIRRI, NORRI (S'50-A'51-M'58), Engrg. Group Supvr.,
Jet Propulsion Lab., California Institute of Technology,
4800 Oak Grove Dr., Pasadena, Calif.

SIRRINE, RICHARD C. (M'57), Physicist, GE Co..

SIRRINE, RICHARD C. (M'57), Physicist, GE Co., Syracuse, N.Y.

Syracuse, N.Y.

SIRTAK, RAYMOND V. (M'58), Assoc. Electronics Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

SIRVIS, GENRIK S. (M'58), Asst. to Genl. Mgr., Bendix Aylation Corp., 5630 Arbor Vitae St., Los Angeles 45, Calif.

Bendix Aviation Corp., 56:30 Arbor Vitae St., Los Angeles 45, Calif.

SIRWINSKI, VICTOR (M'56), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

SISCO, HOYT W. (SM'59), Assoc. Dir., Administration, Diamond Ordnance Fuze Labs., Washington 25, D.C.

SISCO, WILLIAM B. (M'52), Staff Consultant, Douglas Aircraft Co., 38:55 Lakewood Blvd., Long Beach, Calif.

SISKIND, ROBERT P. (M'38-SM'43), Prof., Elec. Engrg., Purdue Univ., Lafayette, Ind.

SISKO, JACK R. (S'57-M'58), Jr. Operator, Shell Oil Co. of Canada, Ltd., Calgary, Alta, Canada.

SISKIND, STANLEY G. (S'49-A'52-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

SISSOM, ALTON W. (SM'54), Aerophysics Group Engr., Convair, Ft. Worth, Tex.

SISSOM, AUSTIN R. (S'47-A'50-SM'55), Sr. Microwave Engr., Bendix Corp., 11600 Sheman Way, North Hollywood, Calif.

SISSON, ROGER L. (S'48-A'50-M'51), Mgr., Systems Dept., Aeronutronic Systems, Inc., Newport Beach, Calif.

SISTINO, FRANK J. (A'54), Avionics Engr., Grumman Aircraft Engrg. Corp., Bethpage, L.I., N.Y.

SITARAM, RACHERLA (M'57), Lecturer, Electronics Faculty, Madras Institute of Technology, Chromepet, p.o., Madras, India.

SITLER, GALEN W. (A'57), Final Test Engr., Ralph M., Parsons Co., 151 S. Delacy, Pasadena 1,

SITLER, GALEN W. (A'57), Final Test Engr., Ralph M. Parsons Co., 151 S. Delacy, Pasadena 1,

SITOMER, ARTHUR A. (S'55-A'56), Owner & Mgr., Altec Electronics Service Co., 307 E. Pershing St., New Iberia, La.

SITTERLEE, LAWRENCE J. (SM'57), Head, Elec. Technology Dept., Broome Tech. Community College Binghamton, N.Y.

SITTNER, WELDON R. (A'52-SM'54), Mgr., Sperry Semiconductor Div., Sperry Rand Corp., South Norwalk, Conn.

Conn.
SITZWOHL, JOSEPH F. (M'56), Assoc. Prof., Mil-waukee School of Engrg., 1025 N. Milwaukee St., Milwaukee 1, Wis.
SIUKOLA, MATTI (S'50-A'53-M'58), Engr., RCA, Camden, N.J.

SIVAGNANASUNDERAM, THURAISAMY (A'54), Lab. Engr., Rediffusion Research, Ltd., Coombe Lane, Kingston-on-Thames, Surrey, England.

SIVAN, JEHUDA (M'58), Research Engr., Weizmann Institute of Science, Rehovoth, Israel. SIVASWAMI, RISHIYURS. M'55), Filight Lt., Indian Air Force, 8 Jagadambal St., Madras 17, India.

SIVE, FREDERICK (A'45), Working Dir., Controlab (Pty), Ltd., 36 De Beer St., Braamfontein, Johannesburg, South

SIVERNELL, RICHARD B. (A'53), Pres., Industrial Associated Electronics, 5907 E. Lancaster 12, Ft. Worth, Tex. SIVERS, CARL H. V. (SM'46), Owner, Chief Engr., Sivers Labs., Box 42018, Stockholm 42, Sweden.

Labs., Box 42018, Stockholm 42, Sweden.
SIVERTS, ROBERT D. (\$'53-A'55), Research Engr.,
Boeing Aircraft Co., Renton, Wash.
SIVERTSON, WILFORD E., JR. (\$'56-M'58), Research
Engr., Natl. Aeronautics & Space Administration, Langley,
Va.

Va.
SIVILLI, JAMES M. (A'58), Electronics Research & Dev.
SIVIN, LEO (A'42), Transmitter Engr., WBBM-TV, 630 N.
McClurg, Chicago 11, III.
SIWY, DANIEL J. (M'57), Research & Dev. Engr., J.P.
Deeburg Corp., 1510 N. Dayton St., Chicago 22, III.
SIXBEY, SAMUEL R. (S'49-A'50-M'55), Staff Engr.,
Servo Corp. of America, Jericho Tpke., New Hyde Park,
L. I., N. Y.

L.I., N.Y.

SIZEMORE, LELAND E. (M'57), Mem. Tech. Staff, Systems Analysis Lab., Hughes Alrcraft Co., Culver City, Calif.

SJOHOL M, EDWIN M., JR. (A'50), Field Engr., Plant Engre., Chesapeake & Potomac Telephone Co., 629 Constitution Ave., N.E., Washington 2, D.C.

SJOSTROM, REX.W. (S'55–M'57), Sr. Engr., Instrumentation, Martin Co., Box 179, Denver 1, Colo.

SKAGERBERG, WILLIAM A. (M'56), Sr. Research Engr., Electronics Div., Ryan Aeronautical Co., 5650 Kearney Mesa Rd., San Diego 12, Calif.

SKAGGS, EARL R. (A'50–M'55), V. P. & Asst. Genl. Mgr., Associated Missile Prods. Corp., 2709 N. Garey Ave., Pomona, Calif.

SKAGGS, ELLIOTT P. (A'50), Owner, Genl. Radio & Repair

Pomona, Callf.

SKAGGS, ELLIOTT P. (A'50), Owner, Genl. Radio & Repair Service Co., 1441 S. 3rd St., Louisville B, Ky.

SKAGGS, GLENN A. (S'55-M'58), Electronic Scientist, U.S. Naval Research Lab., Washington 25, D.C.

SKAGGS, JOHN W. (A'54), Electronics Engr., Internatl. Electronics Engrg., Internatl. Electronics Engrg., Internatl.

SKAHILL, BERNARD J., JR. (S'51-A'53), Assoc. Research Engr. 'A", Boeling Airplane Co., Seattle, Wash.

SKALNIK, JOHN G. (S'46-A'46-M'155), Assoc. Prof., Yale Univ., New Haven, Comm.

SKALSKI, CLEMENT A. (S'56-M'59), Engr., Norden Labs. Div., United Aircraft Corp., White Plains, N.Y.

SKALSKI, WALTER A. (S'49-A'450-M'55), Engr., ITT

SKALSKI, CLEMENT A. (S'56-M'59), Engr., Norden Labs.
DIv., bintled Aircraft Corp., White Plains, N.Y.

SKALSKI, WALTER A. (S'49-A'50-M'55), Engr., ITT
Labs., Nutley 10, N.,

SKANES, DONALD M. (M'58), Engr., Federal Govt.
of Canada, Ottawa, Ont., Canada.

SKAPERDAS, DOMINIC O. (A'51-M'55), Research Assoc.,
Control Systems Lab., Univ. of Illinois, Urbana, III.

SKAR, ROBERT C. (A'51-M'54), Asst. Engr., Collins
Radio Co., Cedar Rapids, Iowa.

SKARBEK, IGNACY R. (A'54-M'54), Project Engr., RCA
Victor Co., Camden, N.J.

SKATRUD, RALPH O. (A'54), Mgr., Engrg. Job Training,
IBM, Kingston, N.Y.

SKAYLOS, ALBERT J. (M'59), Mgr., RCA, Camden, N.J.

SKEELS, HUGH V. (A'58), Engr. Instr., Electronics, MartinDenver, Watertown, Colo.

SKETERS, RUSSELL N. (A'44-M'55), V.P., Machlett Labs.,
Inc., 1063 Hope St., Springdale, Conn.

SKEIRIK, ROY M. (M'156), Mgr., Elec. Mech., Production
Electropata Div., Burroughs Corp., 460 N. Sierra Madre
Villa, Pasadera, Calif.

SKEIST, S. MERRILL (A'51-M'53), V.P., Sales, BuddStanley Corp., 43.01 22 Leon Level Calvel, N. N.

VIIIa, Pasadena, Calif.

SKEIST, S. MERRILL (A'51-M'53), V.P., Sales, Budd-Stanley Corp., 43-01 22, Long Island City, N.Y.

SKELDING, JJM.A. (S'57-M'58), 3416 0ak St., Vancouver 9, B. C., Canada.

SKELLETT, A. MELVIN (M'44-SM'50-F'56), Dir., Research, Tung-Sol Electric, Inc., Bloomfield, N.J.

SKELLIE, ALBERT C. (A'51-M'56), Sr. Engr., Schlumberger Well Surveying Corp., 5000 Culf Freeway, Houston, Tex.

SKELLY, DONALD J. (M'58), Dev. Engr., IBM, Kingston,

N.Y.

SKELLY, PATRICK G. (A'56), Genl. Mgr., Simulation
Service, 1451 Centra Villa Dr., Atlanta 11, Ga.

SKELTON, CHARLES W. (SM'56), Head, Digital Circuits
Sect., Texas Instruments, Inc., 6000 Lemmon Ave.,
Dallas 9, tex.

SKELTON, PARKE (S'54-M'55), Assoc. Elec. Engr.,
Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa
Monica, Calif.

SKELTON, THOMAS H. (A'30-SM'46), Asst. Supvg. Engr., Chief Engrs. Branch, Postmaster Genls. Dept., Treasury Gardens, Melbourne, C. 2, Australia.

Gardens, Melbourne, C. 2, Australia

SKELTVED-JENSEN, ERIK (A'56-M'59), Transformer Enw., Microtran, 145 E. Mineola Ave., Valley Stream, L.I., N.Y.

SKENE, ROBERT A. (S'48-A'50-M'55), Flight Test Engr., Douglas Aircraft Co., Inc., Edwards AFB, Calif.

SKERREY, CYRIL E. (A'41-M'48), Sr. Telecommunications Engr., Iraq Petroleum Co., Ltd. & Associated Cos., Box 150, Tripoli, Lebanon.

SKERRITT, JOHN W. (S'54-A'55), Staff Engr., IBM, Kingston, N.Y.

SKEWIS, WILLIAM H. (S'56-A'58), Jr. Engr., Melpar, Inc., S. Fern St., Arlington, Va.

SKIBNESKI, CLEMENT E. (A'48-M'55), Project Engr., Western Union Telegraph Co., 60 Hudson St., New York,

SKIDMORE, WILLIAM S. (M'57), Design & Dev. Engr., RCA Victor, Radio & "Victrola" Div., Camden 8, N.J. SKIFF, EDSON W. (A'53-SM'57), Electronics Engr., Lawrence Radiation Lab., Univ. of California, Berkeley 4, Calif.

Cair.

SKIFTER, HECTOR R. (A'31-M'36-SM'43-F'51), Pres., Airborne Instrument Lab., Mineola, L.I., N.Y.

SKILES, JAMES J. (S'49-4'51-M'56), Assoc. Prof., Elec. Engrg. Dept., Univ. of Wisconsin, Madison 6, Wis. SKILLING, JAMES K. (S'53-A'55-M'59), Lt., USNR, Annapolis, Md.

Annapolis, Md.

KILLMAN, BRYANT D. (A'52-M'53), Electronics Engr.,
Convair, San Diego, Calli.

SKINNER, BENJAMIN S., IR. (M'57), Mem. Tech. Staff,
Hughes Aircraft Co., Box 5555, Tucson, Ariz.

SKINNER, DALE D. (A'55), Intermediate Research Engr.,
Westinghouse Elec. Corp., East Pittsburgh, Pa.

SKINNER, EUGENE E. (SM'56), Lt. Col., USAF, Chief,
Air Ground Subsystems Branch, ARDC Det. #1, WrightPatterson AFB, Ohio.

SKINNER, FREDERICK J. (SM'48), Supt., Transmission Engrg., Western Electric Co., 220 Church St., New York 13, N.Y.

L.S., N.Y.

SKINNER, FRIEND L. (S'48-A'50-M'56), Staff Mem.,
Sandia Corp., Livermore, Calif.

SKINNER, GEORGE M. (M'52), Research Supvr., Linde Co.,
Speedway Labs., 1500 Polco St., Indianapolis 24, Ind.

SKINNER, GERALD C. (S'58-M'59), Missionary, The Church
of Jesus Christ of Latter-day Saints, 1975 S.E. 30,
Portland, Ore.

Portiand, Ore.

SKINNER, JOHN A. (SM'57), Cmdr., USN, Head, Shore System Branch, Off, /Dix. Naval Communications, Navy Debt., The Pentagon, Washington 25, D.C.

SKINNER, KENNETH R. (M'58), 179 Lake Ave., Metuchen,

SKINNER, LEO V. (S'47-A'50-SM'52), Col., USAF, Tech. Dir., BMEWS Project Office, 220 Church St., New York 13, N.Y. SKINNER, MELVIN R. (A'51-M'56), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.

SKINNER, NORMAN W. (A'53), Project Engr., Burroughs

SKINNER, NORMAN W. (A'53), Project Engr., Burroughs Corp., Paoli, Pa.

SKINNER, RICHARD L. (S'46-A'47-M'55), Project Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

SKINNER, ROBERT L. (S'53-M'57), Dir., Research, Ensco, Inc., 3100 Eldredge, Salt Lake City. 15, Utah. SKINROOD, DONALD A. (SM'57), Staff Mem., Sandia Corp., Box 969, Livermore, Calif.

SKIPPER, LIONEL C. (A'41-M'46-SM'53), Engrg. Sect. Head, Systems, Surface Armament Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

SKIPPER, ROBERT E. (S'47-A'49-SM'56), Sr. Engr., Haller, Raymond & Brown, Inc., Circleville Rd., State College, Pa. SKIRROW, JOHN E. (A'46), Sr. Inspector, Nassau County Dept. Public Works, Old Country Rd., Mineola, L.I., N.Y.

SKITEK, GABRIEL G. (A'47-M'53), Prof., Elec. Engrg., Missouri School of Mines & Metallurgy, Rolla, Mo. SKITZKI, PAUL (A'45-M'47), Sect. Mgr., Sonar Dept., Raytheon Mg. Co., Waltham 54, Mass.

SKJERVEM, KENNETH D. (S'58-M'59), Research Engr., No. Amer. Aviation, Internati. Airport, Los Angeles 45, Calif.

SKLANSKY, JACK (S'52-M'56-SM'59), Research Engr.,

RCA, Princeton, N.J.; SKLAR, BERNARD (SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Galif. SKLAR, HOWARD (S'55-M'157), Engr., Sylvania Elec. Prods., Inc., Mountain View, Calif.

SKLAR, HOWARD (S'55-M'57), Engr., Sylvania Elec. Prods., Inc., Mountain View, Calif.
SKLAR, SANFORD (SM'59), 11473 Patom Dr., Culver City, Calif.
SKLAR, SIDNEY J. (S'57-M'58), Research Engr., MIT Instrumentation Lab., Cambridge 39, Mass.
SKLAR, STANLEY (S'56-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whitpany, N.J.
SKLOM, GEORGE M. (A'55), Consultant, Walter F. Kean, Consulting Radio Engrs., 19 E. Quincy, Riverside, Ill.
SKODA, GEORGE I. (S'57-A'58), Mech. Design Engr., National Co., Inc., 61 Sherman St., Malden, Mass.
SKOFF, JOSEPH, JR. (A'49), Counterman, Radio Parts, 1312 Main, Wheeling, W.Va.
SKOLIL, LESTER L. (SM'58), Chmn., Dept. of Physics, San Diego State College, San Diego 15, Calif.
SKOLIKE, MARVIN, (A'42-SM'56), Sr. Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills. Calif.
SKOLNIK, MERRILL I. (S'47-A'56), Mr. Show 156), Research Scientist, Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

SKOLNIK, SAMUEL (SM'58), Lab. Consultant, Electroni Scientist, USAF Aerial Reconnaissance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

Schmar, Ostar Aeria Recontainsance Lab., Wright air Development Center, Wright-Patterson AFB, Ohio. Specialist, Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz. SKOOG, HAROLD A. (M'55), Genl. Engr., Pacific Missile Range, Point Mugu, Calif.

SKOOG, RALPH E. (S'55-M'59), Elec. Engr., Mobil Oil Co., Inc., East Chicago, Ind. SKORHEIM, ROBERT D. (S'56-M'58), Lt., USN, USS John S. McCain (DL-3), FPO, San Francisco, Calif. SKORUP, GORDON E. M'49-SM'59), TV Dev. & Design Engr., RCA Victor Television Div., Camden 8, N.J. SKOUSEN, OWER N. (S'56-M'57), Staff Mem., Sandla Corp., Sandia Base, Albuquerque, N. M. SKOV, RAYMOND A. (S'53-A'55), Staff Engr., IBM, Poughkeesie, N.Y.
SKOVHOLT, RICHARD L. (S'55-M'57), Engr., GE Co., Syracuse, N.Y.

Syracuse, N. Y.

SKOWRON, ALFRED J. (A'58), Equipment Engr., Sperry Prods., Inc., 8850 W. 47 St., Lyons, III.

SKOWRON, JOHN F. (S'48-A'50), Dev. Engr., Raytheon Mfg. Co., Waltham 54, Mass.

SKRAMSTAD, HAROLD K, (SM'53), Asst. Chief for Systems, Data Processing Systems Div., Natl. Bureau of Standards, Washington 25, D.C.

- SKRIVSETH, ARNOLD G. (A'42-M'45-SM'4B), Electronics Engr., Tech. Research Oiv., FCC, Washington 25, D.C. SKROBISCH, ALFRED (A'44-M'55), Pres., Allard Instrument Corp., 146 E. 2nd St., Mineola, L.I., N.Y. SKUBAL, LESTER E. (A'5B), 712 E. 90 Pl., Chicago 19,117

- 19, III.

 SKUDRZYK, EUGEN J. (M'56), Prof., Engrg. Research, Ordnance Research Lab., State College, Pa.

 SKUTLE, GORDON O. (A'55), Studio Operator, Radio Sta. CJCA, Edmonton, Alta., Canada.

 SKWAREK, FRANK J. (SM'56), V.P., Engrg., Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.

 SKWERTZ, ROBERT J. (S'55-M'57), Assoc. Engr., 18M, Poughkeepsie, N.Y.

 SLABICKI, WALTER M. (S'56-A'57), Elec. Mfg. Engr., American Machine & Foundry, Steam Boat Rd., Greenwich, Conn.
- Conn.
 SLACK, CHARLES B. (A'53-M'5B), Sr. Engr., Librascope, Inc., BOB Western Ave., Glendale, Calif.
 SLACK, JAMES R. (M'57), Design Engr., Convair, Ft. Worth, Tex.
 SLACK, SELWNJ. (A'44-M'57), Systems, Eclipse-

- SLACK, SELWYN J. (A'44-M'57), Systems, Eclipse-Pioneer Div., Teterboro, N.J.

 SLAD, GEORGE F. (A'52), Pres., Electrotest, Inc., 2241 S. Austin Blvd., Cicero 50, Ill.

 SLADE, BERNARD N. (M'50-SM'55), Mgr., Semi-conductor Device Oev., IBM, Poughkeepsie, N.Y.

 SLADE, CHALONER B. (A'54), Deputy Tech. Dir., Avco Mfg. Corp., Radd, Electronics Research Labs., 750 Commonwealth Ave., Boston 15, Mass.

 SLADE, HERREPT, (S'54-M'55), Sr. Mem. Tech.
- Commonwealth Ave., Boston 15, Mass.
 SLADE, HERBERT L. (S'54-M'55), Sr. Mem. Tech.
 Staff, RCA, Rt. 3, Burlington, Mass.
 SLADE, MILTON G. (S'4B-A'49-M'55), Sr. Mem. Tech.
 Staff, Missile Electronics & Controls Dett., Box 588,
 Burlington, Mass.
 SLADEK, NORBERT J. (A'53-M'59), Project Engr.,
 Amphenol Electronics Corp., 1B30 S. 54 Ave., Chicago
 50, III.

- SLADKEY. ROBERT J. (S'56-M'5B), Instrumentation Engr., Martin Co., Denver, Colo. SLAGAL, ROBERT P. (S'54-M'55), Communications Engr., Indiana & Michigan Electric Co., Colfax St., South Bend,

- ING.
 SLAGER, DONALD M. (A'53-M'58), Principal Engr.,
 M wtin Co., Orlando, Fla.
 SLAGLE, DALLY F. (A'58), Radio Maint. Supvr., USAF,
 4300 fexoma Dr., Dellishi, Fex.
 SLAGLE, GRADY M., JR. (S'53-A'55), Research Supvr.,
 The Western Co., 922 Dragon St., Oallas 7, Tex.
- SLAGLE, WILLIAM C. (S'51-A'53-M'5B), Sr. Electronics Engr., Stromberg-Carlson Co., 1895 Hancock St., San Diego 12, Calif.
- SLAGLE, WILLIAM R. (M'56), Sect. Engr., Reliability Engrg., Hughes Communications Div., Box 90902, Airport Sta., Los Angeles 45, Calif.
- Sti., Los Angeles 49., Calil.
 SLAKER, FRANK A. (4/54), Electronics Engr., Teleregister Coro., 445 Fairfield Ave., Stamford, Conn.
 SLAMPYAK, STEPHEN, JR. (S'49-A-\(\frac{1}{2}\)1-\(\frac{1}{2}\)561, Sr. Engr., Philon Corn., 4700 Wissahickon Ave., Philadelphia 44, Pa. SLANA, MATTHEW F. (S'56-M'59), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
- SLATE, MATTHEW W. (S'42-A'45-M'55), Mgr., Research & Oev., Radio Condenser Co., Oavis & Copewood Sts., Camden 3, N.J.
- SLATER, ALFREO P. (A'50), 2016 Sloat Way, Sacramento,
- SLATER, BARNEY M. (M'5B), Group Leader, Research & Dev. Lab., Evaluation Sect., White Sands Missile Range, WSSA, N.M.
- NSA, N.M.
 SLATER, DAVIO (S'50-A'51-M'56), Research Scientist,
 New York Univ., College of Engrg. Research Div., University Hgts., Bronx 53, N.Y.
- sity Hgts., Bronx 53, N.Y.

 SLATER, HAROLD C. (M'47), Sr. Instrumentation Technician, California Disaster Office, Meadowview Rd., Sacramento, Cali
- California Disaster Office, Meadowwiew Rd., Sacramento, Cal SLATER, HORACE (A'53), Specifications Engr., Aerovox, Canada, 1551 Barton St., E., Hamilton, Ont., Canada. SLATER, IRA M. (A'36-M'37-5M'43), Mgr., Sales Engrg., Elkon Oiv., P. R., Mallory & Co., Inc., 424 S., Madison St., Ou Quoin, III.
- St., Ou quoin, II.
 SLATER, OWEN C. (A'57), Elec. Production Engr.,
 Warwick Mig. Corp., 27 & Oebora, Zion, III.
 SLATER, ROBERT H. (S'50-A'51-M'56), Project Engr.,
 Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Bultalo, N.Y
 SLATER, THURMAN L. (A'47-M'53), Project Engr., ITT
 Labs., 3707 Pontiac, Ft. Wayne, Ind.
- Lans , 5/07 PORTIAC, Pt. Wayne, INO.
 SLATIC, GEORGE A. (4750), Mgr., Galbratth-Pilot Marine
 Coro. , 600 4 Ave., Brooklyn 15, N.Y.
 SLATOR, SIONEY L. (A/53), 1st Engr., (Factory Lab.),
 Philips' Radio Mfg. Co., "Newstead," Clonskeagh, Dublin,
- Irreland.
 SLATTERY, JOHN J. (J'29-A'30-SM'46-F'56), Mgr.,
 West Coast Operations, Govt. & Industrial Div., The Magnavox Co., 2255 S. Carmelina Ave., Los Angeles 64, Calif.
 SLAUGHTER, DEAN W., (A'52-M'57), Engre. Sect. Head,
 Hallamore Electronics Co., 714 Brookhurst St., Anaheim,
- SLAUGHTER, GORDON K. (SM'52), Asst. Engrg. Mgr., Countermeasures Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- L.I., N.Y.

 SLAUGHTER, JOSEPH E. (S'48-A'49-M'54), Sales Mgr., GE Co., Syracuse, N.Y.

 SLAUGHTER, ROBERT G. (S'52-A'54), Mem. Tech. Staff, Space Technology Labs., 8ox 95001, Los Angeles, Calif. SLAUGHTER, WILLIAM R. (A'51), TV Engr., WTAR Radio Corp., 720 Boush St., Norfolk 10, Va.

 SLAVEN, LLOYD (S'53-A'54-M'59), Elec. Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada

- Canada.

 SLAVEN, ROBERT R., JR. (M'58), Engr., Crosley Div., Avto Mfg. Corp., Evendale, Ohio.

 SLAVICS, JOSEPH W. (A'50), Chief Inspector, Radio City Prods. Co., Inc. & Reiner Electronics Co., Centre & Glendale St., Easton, Pa.

 SLAVIN, HAROLD (M'58), Design Engr., RCA, Camden, N.J.

 SLAVIN, MARTIN J. (S'54-M'56), Project Engr., Loral Electronics Corp., 825 Bronx River Ave., Bronx 72, N.Y.

 SLAVIN, MATTHEW, III (S'42-A'43), Engr., United Geophysical Corp., 1200 S. Marengo, Pasadena, Calif.

 SLAVIN, MICHAEL (S'48-A'49-M'55), Principal Engr., Bendix Radio Oiv., Towson 4, Md.

- SLAY, LARRY G. (S'57-M'5B), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.
 SLAYBAUGH, CLIFFORD W. (SM'51), Mgr., Special Mktg., Dev., RCA Internati. Olv., 30 Rockefeller Plaza, New York 20, N. Y.

- 20, N. Y.

 SLAYOON, JOHN F., JR. (S'58-M'59), Jr. Engr., R. J.
 Reynolds Tobacco Co., Winston-Salem, N.C.

 SLAYMAKER, FRANK H. (M'45-SM'59), Mgr., Electroacoustics, Research & Advanced Dev. Div., StrombergCarlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 SLAYTON, RANSOM D. (SM'56), Chief, Research Dept.,
 Teletype Corn., 1400 W. Wrightwood, Chicago 14, Ill.

 SLEAR, LEON S., JR. (M'5B), Sr. Engr., Haller, Raymond & Brown, Inc., Circleville Rd., State College, Paterson 3, N.J.

 SLEDGE, LOUIS L. (S'56-M'59), 299 Florida Ave.,
 Paterson 3, N.J.

 SLEDGE, OLIVER D. (S'39-A'41-SM'46), Consultant
- Paterson 3, N.J.
 SLEDGE, OLIVER D. (S'39-A'41-SM'46), Consultant,
 Search Radar, Branch Naval Research Lab., Washington, D.C
 SLEE, JERRY E. (M'57), Mem. Tech. Staff, Space Technology Labs., 5500 El Segundo Blvd., Los Angeles 45,
 Calif.
- Engr., Gabriel Electronics Oiv., 135 Crescent Rd., Need-ham Heights, Mass.
- SLEEPER, GEORGE E., JR. (A'36-VA'39-SM'50), Pres. & Chief Engr., Westronic Corp., 1798 Oakdell Dr., Menlo Park, Calii.

- Park, Calif.

 SLEEPER, WILLIAM H. (SM'58), 18971 Marine View
 Circle, Seattle 66, Wash.

 SLEETH, JOHN D. (S'56-M'57), Acting Instr., Elec. Engr.,
 Univ. of Washington, Santla, Wash.
 SLEMON, GOROON R. (S'46-A'48-M'55), Assoc. Prof.,
 Elec. Engrg., Univ. of Toronto, Toronto 5, Ont., Canada
 SLEMROD, JOSHUA L. (S'56-A'58), Field Engr., Research
 & Dev., Electronics, Components & Systems, Belock Instrument Corp., 111-01 14 Ave., College Point 56, L.I., N.Y
 SLENKER, STEPHEN (S'54-M'57), 640 Alabama St.,
 Prietol, Tenn.
- SLEPIAN, DAVID (A'52-M'57), Research Mathematician, Bell Tel. Labs., Murray Hill, N. J. SLEPIAN, JOSEPH (SM'43-F'45), 115 Lancaster St., Pittsburgh 18, Pa.

- SLEPIAN, JOSEPH (SM'43-F'45), 115 Lancaster St., Pittsburgh 119, Pa.

 SLEPIAN, PAUL (M'57-SM'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SLETTEN, CARLYLE J. (A'51-M'56), Chlef, Electro Magnetic Radiation Lab., AF Cambridge Research Center, Hanscom Field, Bedford, Mass.

 SLEVEN, MARVIN O. (A'52-M'58), Chlef Engr., Computer Group, Belock Instrument Corp., College Point 56, L.I., N.Y.

 SLEVEN, ROBERT L. (M'57), Elec. Engr., Airborne Instrument Lab., Inc., Mincela J. J.I., N.Y.

 SLEVIN, ROBERT F. (S'56-M'57), Microwave Engr., GE Co., Syracuse, N.Y.

 SLICK, E. PAUL (M'52), Sr. Engr., Magnavox Co., 2131

 Bueter Rd., Ft. Wayne 4, Ind.

 SLIFE, JAMES F. (S'56-A'57), Plant Mgr., Rixon Electronics, Inc., 2414 Reedie Dr., Silver Spring, Md.

 SLINGERLAND, KEITH O. (S'56-M'58), Jr., Engr., Bendix-Pacific, Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 SLINKMAN, ROGER W. (A'44-M'47-SM'51), Mgr., Design,
- Hollywood, Calif.

 SLINKMAN, ROGER W. (A'44-M'47-SM'51), Mgr., Design, Oev. & PDS, Sylvania Elec. Prods., Inc., Emporium, Pa. SLIVKA, FRANK P. (S'53-A 55), Pipe Fitter, American Maize Prods. Co., Roby, Ind.

 SLOAN, ALEXANDER C. (A'4B), Radio Communications Rep. Motorola Communications & Electronics, Inc., 4900 W. Flour noy, Chicago 44, Ill.

 SLOAN, AUBREY B. (S'54-M'56), Elec. Engr., Semiconductor Div., Hughes Prods., 500 Superlor, Newport Beach, Calif.

- ductor Div., Hughes Prods., 500 Superior, Newbort Beach, Calif.
 SLOAN, CHARLES B. (A'39-M'44), Chief Engr., Crosley Broadcasting Corp., WLW-C Television Sta., 3165 Olentangy River Rd., Columbus 2, Ohio.
 SLOAN, CHARLES S. (A'52), Field Engr., Weightman & Associates, 4101 Burbank Blvd., Burbank, Calif.
 SLOAN, DAVID H. (A'27-SM'50-F'59), Assoc. Prof., Elec. Engrg., Univ. of California, Berkeley 4, Calif.
 SLOAN, EARL L., JR. (M'56), Mgr., N. E. Div., National Co., 61 Sherman St., Malden 48, Mass.
 SLOAN, FERGUS M. (A'41), V. P., Lamp Oiv., Westinghouse Elec. Corp., MacArthur Ave., Bloomfield, N.J.
 SLOAN, GARDNER H. (A'47-M'55), Sr. Engr., Dunn Engrg., Associates, 225 O'Brien Hwy., Cambridge 41, Mass.
 SLOAN, JAMES E. (M'55), Project Mgr., RCA Missile & Radar Oept., Moorestown, N.J.
 SLOAN, ROY R. (M'53), Customer Engr., IBM, 111 8 Ave., New York, N.Y.
 SLOAN, SANDY C. (S'56-M'59), Electronics Oesign Engr., RCA, Moorestown, N.J.
 SLOAN, SANDY C. (S'56-M'59), Elect. Engr., Sperry Microwave Electronics Co., 80x 18 28, Clearwater, Fla.
 SLOAN, WILLIAM R. (A'51), Sr. Engr., ITT Labs., 370 2 E. Pontias St., Ft. Wayne, Ind.
 SLOBINS, MARCUS (A'59), Project Engr., RCA, Camden, N.J.
- SLOBINS, MARCUS (A'59), Project Engr., RCA, Camden,

- SLOBINS, MARCUS (A'59), Project Engr., RCA, Camoen, N.J.
 SLOBODIN, LEO (A'50-M'56), Sr. Elec. Engr., Stavid Engra, Inc., U.S. Hwy. 22, Plainfield, N.J.
 SLOBODZINSKI, EDWIN J. (S'53-A'54-M'58), Staff Engr., 18M, Poughkeepsie, N.Y.
 SLOCOM8, GEORGE M. (A'50-M'58), Engr., Consolidated Electrodynamics Corp., 300 N. Sierra Madre Vitla, Pasadena SLOCUM, GAIL V. (A'53-M'58), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 SLOCUM, LLOYD V. (M'58), Elec. Engrg. Dept., Lehigh Univ., Bethlehem, Pa.
 SLOCUM, RICHARO L. (M'57), Field Engr., Neely Enterprise 501 Laurel St., San Carlos, Calif.
 SLOCKEN, JOSEPH W. (A'53-M'58), Engr., Hughes Aircraft Co., Culver City, Calif.
 SLOKER, GREGORY H. (A'47), Radio Equipment Technician, Dept Natl. Defence, Manitoba Signal Sodn., Ft. Osborne Barracks, Winnipeg, Man., Canada.

- SLOMAN, FREOERICK A. (S'4B-A'51), Electronics Engr., U.S. Army, Army Electronic Proving Ground, Ft. Huachuca, Ariz.

- U.S. Amry, Army Electronic Proving Ground, Ft. Huachūca, Ariz.

 SLOMINSKI, THOMAS V. (A'54), Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 SLOMSKI, JOSEPH J. (S'56-M'58), Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Or., Amherst, N.V.

 SLONAKER, ROBERT O. (S'51-A'52-M'57), Project Engr., I8M, Poughkeepsie, N.Y.

 SLONCZEWSKI, THADOEUS (SM'54), Mem. Tech. Staff, Bell Tel. Labs., Murzuy Hill, N.J.

 SLOOP, WHITFIELD B. (A'52), Chief Radio Engr., North Carolina Dept. of Motor Vehicles, Raleioh, N.C.

 SLOR, ALFRED D. (S'49-A'50-M'56), Sr. Engr., Radioplane Co., B000 Woodley Ave., Van Nuys, Calif. SLOTE, OOMALD M. (A'55), Sr. Fleid Engr., H.W. Ruby & Associates, Inc., 927 Foothill Blvd., La Canada, Calif. SLOUGHTER, GOROON S. (A'42-SM'49), Exec. V.P., Electro-Mechanical Research, Inc., 64 Main St., Ridgefield, Conn.
- field, Conn.

 SLOUGHTER, WILLIAM J. (S'42-A'44-M'45-SM'51), Head, Electronics Engrg. Sect., Schlumberger Well Surveying Corp., 5000 Gulf Freeway, Houston, Tex.

 SLOVER, WILLIAM L. (A'57), New Projects Mgr., Vitro Labs., Pleasant Valley Way, West Orange, N. J.

 SLUGODZKI, LUDWIG K. (A'35-VA'49), Asst. Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.

- SLUIS, MARCO H. (M159), Elec. Engr., Pratt & Whitney Co.,

- SLUIS, MARCO H. (M'59), Elec. Engr., Pratt & Whitney Co. Inc., West Hartford, Comn.

 SLURZBERG, NORMAN (S'55-A'59), Engr., Torwico Electronics, Inc.. 1090 Morris Ave., Union, N.J.

 SLUSARCHYK, GEORGE J. (S'56-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 SLUSHER, ROBY W. (A'50), Equipment Engr., Southwestern Bell Tel. Co., 324 E. 11 St., Kansas City, Mo.

 SLUSHER, WILLIAM E. (A'52-M'57), Chief Applications Engr., Transitron Electronics Corp., 168 Albion St., Wakefield, Mass.

 SLUSS, JAMES A., JR. (SM'58), Engrg. Group, Supvr.,
- SLUSS, JAMES A., JR. (SM'58), Engrg. Group Supvr., Advanced Semiconductor Prod. Dev., Lansdale Tube Co., Church Rd., Lansdale, Pa.
- SUUSS, WILLIAM C., JR. (S'56-M'59), Jr. Engr., Bendix Aviation Corp., E. Joppa Rd., Baltimore 4, Md. SUUSSER, WINIFREO S. (S'48-A'51), 1500 Norwood St., Chicago 26, III.
- Chicago 26, III.
 SLUTMAN, ALLEN C. (S'56-M'58), Jr. Engr., I8M, Monterey & Cottle Rds., San Juse 14, Calif.
 SLUTZ, RALPH J. (A'53-M'58-SM'59), Chief, Radio Propagation Physics Oiv., Central Radio Propagation Lab., Natl. Bureau of Standards, Boulder, Colo.
 SLY, ROBERT D. (S'50-A'52-M'58), Mem. Reconnaissance Systems Engre, Dept. Tech. Staff, Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

- ton Blvd., Falls Church, Va.

 SLY, ROLAND J. (A'44), Services Mgr., W.H. Packer, Ltd.,
 54 Crouch End Broadway, London, N B, England.

 SLY, WILLIAM G. (S'50-A'52-M'56), Asst. Prof., Chemistry, Harvey Mudd College, Claremont, Callf.

 SLYSH, PAUL (M'57), Sr. Engr., Airborne Instrument Lab.,
 Mineola, L.I., N.Y.

 MADING, ROBERT E. (A'57), Owner, Robert E. Smading,
 124 K St., Hoqulam, Wash.; Chief Engr., KBKW, Inc.,

 KXRO, Inc., Aberdeen, Wash.

 SMAHA, NORMAN F. (A'42), Asst. Olv. Engr., MacKay
 Radio & Telegraph Co., 350 Mission St., San Francisco,
 Calif.

 SMALL, JAMES E. (A'41-M'46), Head. Electronics Test
- Call .

 SMAIL , JAMES E. (A'41-M'46), Head, Electronics Test Group, Ferranti, Ltd., Ferry Rd., Edinburgh 5, Scotland .

 SMAIL , JOSEPH P. (5'51-A'53-M'58), Elec. Engr., Liberty Mfg. Corp., 2747 Belmont Ave., Youngstown 4, Ohio.
- Unio,
 SMAKER, TONY P. JR. (A'59), Field Engr., Philo Corp.,
 22 & Lehigh Ave., Philadelphia, Pa.
 SMALE, JOHN A. (F'5B), Tech. Consultant, Marcont's
 Wireless Telegraph Co., Ltd., Chelmsford, England; Chmn.,
 Cyprus Lulano Telecommunications Authority.
- SMALE, PHILIP V. (S'56-M'59), Elec. Engr., Researc Labs. Div., Bendix Aviation Corp., 10 1/2 Mile Rd. & Northwestern, Detroit, Mich.
- Northwestern, Detroit, Mich.

 SMALE, VINCENT E. (A'54), Elec. Engr., Genl Magnetic Corp., 10001 Erwin, Detroit 34, Mich.

 SMALL, ARNOLD M., JR. (M'5B), Assoc. Prof., State Univ. of lowa, lowa City, Iowa.

 SMALL, B. (A'45–M'46), Electronic Scientist, Code 27444, USN Electronics Lab., San Olego 52, Calif. SMALL, BERNARO (S'41–A'44–M'55), Sr. Engr., Radar Systems, Airborne Instrument Labs., Mineola, L. I., N. Y. SMALL, CHARLES E. (S'50-A'52-M'57), Oesign Engr., RCA Victor, Camden B, N. J.

 SMALL, CLARENCE F. (M'52), Genl. Engr., Chesaneake & Pokomac Telephone Co., 930 H St., N.W., Washington 1, O. C.

 SMALL, DURWARD G. (M'55), Research Assoc. Ordnance
- SMALL, DURWARD G. (M'55), Research Assoc., Ordnance Research Lab., Pennsylvania State Univ., State College, Pa
- SMALL , FREDERICK R. (A'43-M'46-SM'50), Toll Methods Supvr. , Southwestern Bell Tel. Co., 1010 Pine St., St. Louis 1, Mo.
- Louis 1, Mo.

 SMALL, GERALD L. (S'57-M'58), Design Engr., Bendix
 Prods. Div., Missiles, 400 S., Beiger St., Mishawaka, Ind.

 SMALL, HAROLD E. (M'57), Sr., Engr., Philoc Corp.,

 4700 Wissahickon Ave., Philadelphia, Pa.

 SMALL, HERBERT (S'49-A'50-M'57), Head, Washington
 Field Service Office, Arma Div., American Bosch Arma
 Corp., 1000 Connecticut Ave., Washington, O.C.

- Corp., 1000 Connecticut Ave., Washington, O.C.
 SMALL, HOWARO E. (A'54), Class "A" Design Engr.,
 RCA, Camden, N.J.
 SMALL, JAMES N. (A'55), Maint. Engr., N8C, Sunset &
 Vine, Hollywood 28, Calif
 SMALL, LOUIS M. (A'55), Project Engr., Remington Rand,
 311 Tumer St., Utica, N.Y.
 SMALL, PAUL (M'57), Electronics Specialist, Engrg.,
 U.S. Army IRM-RIO-T8, White Sands Missile Range, N.M.
 SMALL, RICHARO H. (S'56-M'59), 11BO Rubio St.,
 Altadena, Calif.
 SMALL ROBERT E. (A'53-M'59), Sr., Group Engr., De-
- Altadena, Calif.

 SMALL, ROBERT E. (A'53-M'59), Sr. Group Engr., Boeng Airplane Co., Seattle 24, Wash.

 SMALLWOOD, JOE L. (S'48-A'50-M'56), Chief Engr.

 & Partner, Smallwood & Son Machine Co., Box 9365, Oallas 15, Tex.

- SMALLWOOD, STANLEY G. (A'45), Pres., S. G. Smallwood, Ltd., 391-397 King St., E., Kitchener, Ont., Canada
- SMALLWDDD, WILLIAM 0 . (S'56-M'56), Assoc, Engr., Douglas Aircraft Co., 152-B Northeast Dr., Patrick AFB, Fla.
- FIA.

 SMALLY, EDWIN D. (S'57-A'59), Tuslog Det. 8, APO 294, New York, N.Y.

 SMALTS, FRANKLIN W. (A'35-VA'39-M'55), Mgr., Consumers Relations, RCA, Camden 8, N.J.

 SMART, MERLE E. (A'42-M'55-SM'58), Chief Engr., Sacramento GEEIA Region, McClellan Field, Calif.
- Sacramento GEEIA Region, McClellan Field, Calif.

 SMART, ROBERTE (A'53), Project Engr., Model Engrg.
 & Mfg., Inc., 50 Frederick, Huntington, Ind.

 SMART, ROY L. (A'57), Genl. Mgr., Edward A. Ossmann &
 Associates, 830 Linden Ave., Rochester 10, N. Y.

 SMART, THEODORE E. (M'46), Elec. Engr., Sandia
 Corp., Sandia Base, Alboqueerque, N. M.

 SMAUS, LOUIS H. (SM'57), Staff Engr., Lockheed Missiles
 & Space Div., Sunnyvale, Calif.

 SMEAD, HAROLD J. (A'54-M'58), Electronics Engr.,
 Litton Industries, 336 N. Foothill Rd., Beverly Hills,
 Calif.

 SMEBY, LYNNE C. (A'27-M'42-SM'43), 7615 Lynn Dr.

- Calli,
 SMEBY, LYNNE C. (A'27-M'42-SM'43), 7615 Lynn Dr.,
 Washington 15, D.C.
 SMEDES, RICHARD L. (A'45-M'55), Engrq. Sect. Head
 Surface Amament Div., Sperry Gyroscope Co., Great Neck,
 L.I., N.Y.

- L.I., N.Y.

 SMEDLEY, JOSEPH A. (A'49), No. Amer. Aviation, Los Angeles 45, Calif.

 SMEDMOR, GRANT (A'57), Pres., Grant Smedmor, Ltd., 1819 Yonge St., Toronto, Ont., Canada.

 SMEE, PETER G. (M'47-SM'52), Microwave System Design Engr., Communication Prod. Debt., GE Co., Mountain View Rd., Lyrichburg, Va.

 SMEESTER, ROBERT J. (S'57-M'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.

 SMELTZER, JACK C. (A'47-M'55), Mem. Tech. Staff, Ramo-Wooldridge, 5500 El Segundo Blvd., Los Angeles 45, Calif.
- Ramo-wuc 45, Calif
- 45, Calif.

 SMELTZER, R. FRED (A'44), Patent Engr., Bendix Radio Div., Batimore 4, Md.

 SMELTZER, VERNIE J. (M'56), Chief Elec. Inspector, Kansas City Div., Bendix Aviation Corp., Box 1159, Kansas City, Mo.
- Kansas City, Mo.

 SMERSH, CLEM K., JR. (S'56-A'57), Test Engr., Minneapolis-Honeywelf Regulator Co., Aero Div., 2600 Ridgway Rd., Minneapolis, Minn.

 SMETON, WALTER L., JR. (S'56-M'58), Jr., Engr., AiResearch, 9851 Sepulveda Blvd., Los Angeles 45, Calif.

- Articesearch, 9631 Septiliveda Bivd., Los Angeles 45, Calif.

 SMIDOWICZ, THOMAS Z. (M'55), Engr., Electronic Associates, Inc., Long Branch, N. J.

 SMIKLE, KENNETH R. (A'55-M'58), Chlef Elec, Inspector, Budd Stanley, 43-01 22 St., Long Island City, N. Y.

 SMILEN, LOWELL I. (S'51-A'55-M'55-SM'59), Research Assoc., Microwave Research Institute, Brooklyn Polytechnic Institute, 55 Johnson St., Brooklyn I. N. Y.

 SMILEY, EDWARD L. (M'58), Staff, Francis Associates, Mazion, Mass.

 SMILEY, WILLIAM A. (A'31-VA'39), Professional Engr., 440 Market St., Lemoyne, Pa.

 SMILLEY, JOHN D. (S'51-A'52), Educational Specialist, Dept., Missile Training, USAF, Lowry AFB, Colo.

 SMILOWITZ, SIDNEYN, (S'50-A'54), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 SMIT, JAROSLAV (S'49-A'49-M'55), Head, Labs., Uni-

- SMIT, JAROSLAV (S'49-A'49-M'55), Head, Labs., Universidade Mackenzie, Rua Maria Antonia 403, Sao Paulo,
- Brazil.

 SMITH, A, EDGAR (A'47), Sales Mgr., The Alliance Mfg.
 Co., Alliance, Ohio.

 SMITH, A8NER G. (S'51-A'53-M'58), Project Engr., Special Electronics, Sperry Piedmont Co., Charlottesville, Va.

 SMITH, ADOLPH E. (S'52-M'55), Instr., Elec. Engrg.,
 Michigan State Univ. East Lansing, Mich.

 SMITH, ADRIAN D., SR. (A'50-M'54), Industrial Rep.,
 Dalton-lege Radio Supply Co., Inc., 924 W. 4 St.,
 Winston-Salem, N. C.

 MITH, AL REPT E. (A'49-SM'53), Dis., Electronic Com-
- SMITH, ALBERT E. (A'48-SM'53), Dir., Electronic Computer Div., Bureau of Ships, Navy Dept., Washington 25, D.C.

- Hills , Ky.

 SMITH , ALLYN G. (S'50-A'51-M'56) , Sr. Engr. , Raytheon Mfg. Co. , Bedford , Mass .

 SMITH , ALVA E. (A'39-M'47) , Engrg. Advisor , U.S. Information Agency , 1776 Pennsylvania , Washington 25 , D.C.
- D.C.
 SMITH, ALVIN H. (A'51-M'55), Chief Engr., TV-KTIV,
 10 & Grandview. Sioux City 3, Iowa.
 SMITH, ALVIN J. (A'58), Contract Engr., Internati.
 Electronics Engrg., Inc., 425 13 St., Washington, D.C.
 SMITH, ANTHONY R. (M'58), Engr., Muirhead Instruments,
 Inc., 441 Lexington Ave., New York 17, N.Y.
 SMITH, ARLIN G. (A'52), Research Electronics Engr.,
 Army Ballistic Missile Agency, Redstone Arsenal, Ala.
 SMITH, ARLYN D. (S'57-M'59), Electronics Engr., Stanley
 Aviation Corp., 2501 Dallas, Denver B, Colo.
 SMITH, ARNOLD P. (A'52-M'57), Project Engr., Chicago,
 Aerial Industries, 1980 Hawthorne, Melrose Pk., Chicago,
 III.

- SMITH, ARTHUR A. (M'58), Asst. Lecturer, Mid-Herts., College of Further Education, Tewin Rd., Welwyn Garden City, Herts., England. SMITH ARTHUR E. (M'55), Paris Rd., Rd. 2, Clinton.

- SMITH, ARTHUR H., JR. (A'53-M'58), Sr. Mem. Tech. Staff, RCA Missile Electronics & Controls Dept., Rt. 62 Burlington, Mass.
- SMITH , ARTHUR J. JR. (S'50-A'51-M'56), Sales Engr., Helmann Co., 1711 Hawthome, Minneapolis 3, Minn.

 SMITH , ARTHUR L. (S'48-A'54), Dev. Engr., RCA, Camden, N.J.

 SMITH , ARTHUR M. (M'57), Elec. Fab. Project Engr., Chrysler Missile Div., Box 2628, Detroit 31, Mich.

 SMITH , ARTHUR W. (M'45), Patent Lawyer, Curtis, Morris & Stafford, 530 5 Ave., New York 36, N.Y.

 SMITH , ARTHUR W. (M'52-M'57), Mal., USAF, Hors. USAF, AFOAC-E/A, Pentagon, Washington 25, D.C.

 SMITH , AUDREY J. (S'48-A'51-M'56), Elec. Engr., Ralph M. Parsons Co., 617 W. 7 St., Los Angeles, Calif.

 SMITH , AUSTIN D. (A'56), Radio Technician, Govt. of Canada, Dept. of Transport, 9820 107 St., Edmonton, Alta, Canada

 SMITH, SERESFORD (S'56-M'58), Elec. Engr.. The

- SMITH, BERESFORD (S'56-M'58), Elec. Engr., The

- SMITH, BERESFORD G'56-M'5B), Elec. Engr., The Okonite Co., North Brunswick, N.J.
 SMITH, BERNARD A. (M'57), Project Engr., Univ. of Michigan, Ann Arbor, Mich.
 SMITH, BERNARD J. (S'52-A'53-M'5B), Supvr., T.V.
 Engr., GE Co., Syracuse, N.Y.
 SMITH, BERTRAM J. (A'57), Psychologist (Human & Systems Engra), GE Co., 3198 Chesnut St., Philadelphia, Pa.

- Pa.

 SMITH, BILLY M. (M'58), Supvy. Training Officer, Dept. of the Army, Ft. Gordon, Ga.

 SMITH, BLANCHARD D. (S'45-A'50-M'55), Tech. Asst. to Chief Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 SMITH, BD8 H. (S'44-A'45-SM'53), Engr., Univ. of California Radiation Lab., Berkeley 4, Calif.

 SMITH, BOYD M. (A'52-M'58), Asst. to Chief, Electronic Engrg., Sect., Office of Cmdr., 3rd Coast Guard District, U.S. Customs House, New York 4, N.Y.

 SMITH, BRENTON N. (A'56), Supvr., Dynamics, Rocketdyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.
- SMITH, BRUCE D. (A'52-M'57), Elec. Engr., RCA, Camden,

- SMITH, BRUCE D. (A'52-M'57), Elec, Engr., RCA, Camder N.J.

 SMITH, BRUCE K. (M'54), Asst. to Pres., Advanced Prod Technology, Epsco, Inc., 275 Massachusetts Ave., Cambridge, Mass.

 SMITH, BUFORD, JR. (A'51-SM'52), Chief Engr., Missile Systems Div., Raytheon Mfg. Co., Bristol, Tenn.

 SMITH, BURTON H. (A'47-M'55), Engr., Sect. Head, Raytheon Mfg. Co., Spencer Lab., Burlington, Mass.

 SMITH, C. LLOYD (S'50-A'54), Control Engr., Minneapolis-Honeywell Regulator Co., 1915 Armacost, West Los Angeles, Calif.

 SMITH, C. M., JR., U'32-A'35-M'46-SM'50), Sales Engr., Bivins & Caldwell, Inc., 1923 N. Main St., High Point, N.C.

 SMITH, C. NORMAN (S'55-M'59), Box 8, Hollis, N.H.

 SMITH, C. RONALN (S'55-M'59), Box 8, Hollis, N.H.

 SMITH, C., RICHARD, JR. (M'55), Service Engr., Convair, Pomona, Calif.

 SMITH, C., RICHARD, JR. (M'55), Service Engr., Convair, Pomona, Calif.

- Pilotless Aircraft Div., Boeing Airplane Co., Seattle 14,
- Wash.

 SMITH, C. ROSS (A'36-M'41-SM'43), Advanced Dev Engr., Sylvania Elec. Prods., Inc., Bayside, L.I., N.Y.

 SMITH, C. RULLARD (A'41), Mem. Bd. of Dirs., Ridge Tool Co., Elyria, Ohlo.

 SMITH, C. Styria, Ohlo.

 SMITH, CARLE. (A'30-M'39-SM'43-F'55), Prop., Carl E. Smith Consulting Radio Engrs., Pres., Smith Electronics, Inc., S200 Snowville Rd., Brecksville, Ohlo; Cleveland Institute of Radio Electronics, Inc., Cleveland 3, Ohlo.

 SMITH, CARLE. (S'55-M'SB), Elec. Engr., Radiation, Inc., Box 37, Melbourne, Fla.

 SMITH, CARLH., JR. (A'42-M'55), Mgr., Range Instruments, Aeronutronic Systems, Inc., 1234 Airway, Glendale, Calif.

 SMITH, CARLETON C. (A'53-M'58), Instrument Engr.,

- Glendale, Calif.

 SMITH, CARLETON C. (A'53-M'58), Instrument Engr., Johnson Service Co., 507 E. Michigan, Milwaukee, Wis.

 SMITH, CARMAN H. (M'48), Electronics Engr., FAA Anchorage, Alaska.

 SMITH, CARROLL C. (M'58), Sr. Elec. Engr., Hoffman Labs.. Inc.. 3761 S. Hill Str., Los Angeles, Calif. SMITH, CARROLL E. (A'53), Sr. Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.

 SMITH, CECLL (A'37), Lecturer, Engrg., Training Dept., British Broadcasting Corp., Wood Norton, Evesham, Worcs., England.

 SMITH, CECLL E. (M'52), Mgr. & Chief Engr., KIIOA.

- worcs., England.

 SMITH, CECIL E. (M'52), Mgr. & Chief Engr., KUOA, Inc., Siloam Springs, Ark.
 SMITH, CHARLES (S'57-A'58), Engr., Melpar. Inc., 3000 Arlington Blvd., Falls Church, Va.
 SMITH, CHARLES A. (SM'47), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 SMITH, CHARLES B. (A'43-M'55), Chief Project Engr., Nuclear Prods., Erco Div., ACF Industries, Inc., Riverdale, Md.
- SMITH, CHARLES C. L. (M'56), Chief Engr., Rectifier Div., Audio Devices, Inc., 620 E. Dyer Rd., Santa Ana Calif.
- SMITH, CHARLES E. (M'55), Chief Engr., Internat!. Broad-casting Service, American Consulate Genl., APO 10B, New York, N.Y.
- New York, N.T.

 SMITH, CHARLES H. (M'56), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 SMITH, CHARLES H., JR. (S'47-A'49-M'55), Research Engr., Douglas Aircraft Co., Inc., 827 Lapham St., El Segundo, Calif.
- SMITH, CHARLES I. (S'50-A'52-M'57), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- SMITH, CHARLES J. (M'57), System Tést Engr., GE Co., 3198 Chestnut St., Philadelphia 4, Pa. SMITH, CHARLES J. (A'51-M'56), Asst. Chief Engr., Aerovox Canada, Ltd., 1551 Barton St., E., Hamilton, Ont., Canada.
- Ont., Canada.

 SMITH, CHARLES J. (M'59), Engr., Litton Industries,
 5009 Calvert Rd., College Park, Md.

 SMITH, CHARLES L. (A'54), Master Control-transmitter
 Engr., Northeast Radio Corp. (WRRA, Ithaca), Terrice Hill,
 Ithaca, N. Y.

- SMITH, CHARLES L. (A'58), Inspector, Guidance Equipment, Autonetics Div., No. Amer. Aviation, Downey, Calif. SMITH, CHARLES N. (A'52), Electronics Engr., Diamond Ordnance Fuze Labs., Dept. of Defense, Washington 20, D.C.

- D.C.
 SMITH, CHARLES R. (S'55-M'57), Elec. Engr., Army
 Ballistic Missile Agency, Redstone Arsenal, Ala.
 SMITH, CHARLES R. (A'53), Chief Engr., CKWX Radio,
 Ltd., 1275 Burrard St., Vancouver, B.C., Canada.
 SMITH, CHARLES V. (S'54-M'58), Project Engr., Interceptor Systems Branch, Weanons Guidance Lab., Wright Air
 Development Center, Wright-Patterson AFB, Obio.
 SMITH, CHARLES V. L. (M'46-SM'53), Chief, Computing
 Lab., Ballistic Research Labs., Aberdeen Proving Ground,
 Md.
 SMITH CHARLES B. B. (A'54) Sr. Engr. Electronics.
- MUT. SMITH, CHARLIE B., JR. (A'54), Sr. Engr., Electronics, ITT Labs., Nutley 10, N.J. SMITH, CHESTER A., JR. (A'52), Owner-Engr., Electro-Medical Engrg. Co., 2317-A. W. Olive Ave., Burbank, Calif.
- Call:
 SMITH, CHESTER L. (M'54-SM'59), Sr. Engr., 2 Jonathan
 Lane, Bedford, Mass.
 SMITH, CLAIBORNE P. (S'48-A'51-M'56), Field Complaints, Inspection Results, Shop Complaints, Investigations
 & Tester Training Sect., Western Electric Co., 204

- & Tester Training Sect., Western Electric Co., 204
 Graham-Hopedale Rd., Burlinaton, N.C.
 SMITH, CLARENCE L. (S'57-M'59), Elec. Engr., RCA,
 Camden 2, N.J.
 SMITH, CLARENCE L. (S'57-M'59), Jr. Engr., IBM,
 Kingston, N.Y.
 SMITH, CLARK B., CA'48), TV Engr., KMBC Broadcasting
 Co., 220 W. 11 St., Kansas City, Mo.
 SMITH, CLAYTON R. (M'58), Prod. Engr., Instruments for
 Industry, Inc., 101 New South Rd., Hicksville, L.I., N.Y.
 SMITH, CLIFTON A. (M'48), Electronic Defense Lab.,
 Sylvania Elec. Prods., Inc., Box 205, Mountain View,
 Calif.
- Cail¹.

 SMITH, CYRIL W. (M'56), Research Fellow, Univ. of London, Imperial College of Science & Technology, Imperial Institute Rd., London S. W. 7, England.

 SMITH, D. ALDEN (S'48-A'50-SM'55), Electronics Project Engr., Motorola, Inc., B201 E. McDowell Rd., Phoenix, Arlz.
- SMITH, DALE A. (S'53-A'54-SM'57), Electronics Engr., Supwr., Air Research Development Command, Wright-Patterson AFB, Ohio.

- Supv., Air Research Development Command, Wright-Patterson AFB, Ohio.
 SMITH, DALE A. (S'53-A'54), U.S. Army. Home: 107
 Calumet St., Savanna, III.
 SMITH, DAN (A'51), Sr. Radlo Mech., American Arlines,
 Maint. Depot, Tulsa, Okla.
 SMITH, DANIDE, H. (A'46-SM'51), V.P., Capital Cities
 Television Corp., Box 10, Albamy, N.Y.
 SMITH, DAVID B. (A'35-SM'44-F'48), V.P., Research,
 Philoc Corp., Philadelphia 34, Pa.
 SMITH, DAVID C. (M'58), Sr. Engr., Military Prods. Div.,
 American Standard, 560 Providence Hwy., Norwood, Mass.
 SMITH, DAVID E. (M'57), Assoc. Electronics Engr.,
 McDonnell Aircraft Co., St. Louis 2, Mo.
 SMITH, DAVID I. (S'54-A'55), Jr. Engr., Philoc Corp.,
 Church Rd., Lansdale, Pa.
 SMITH, DAVID L. (S'49-A'50-SM'59), Capt., USAF, Communications Staff Officer, Maint. Engrg. Unit, Sage Project
 Office, 220 Church St., New York 13, N.Y.
- SMITH, DAVID L. (SM'56), Project Engr., GE Co.,
- Syracuse, N.Y.
 SMITH, DAVID L. (S'55-M'57), Guldance Flight Test Engr.,
 Convair-Astronautics, Box 999, Cocca Beach, Fla.
 SMITH, DAVID S. J. (M'58), Sr. Engr., Research & Advanced Dev., Stromberg-Carlson Co., 1400 N. Goodman
 St., Rochester 9, N.Y.
- St., Rochester Y, N.Y.
 SMITH, DAVID W. (SM'58), Electronics Staff, Prod. Design
 Engr., Martin Co., Baltimore 3, Md.
 SMITH, DELMAR E. (A'30-VA/39-SM'54), Supvr., Communications Maint., Bonneville Power Administration, 1001
 N.E. Lloyd Blvd., Portland, Ore.
- N.E. Lloyd Give, Portano, Ver. Westrex Co., Caribbean, Carrera 5A, 19-40, Boota, Colombia.

 SMITH, DENNIS L. (A'55), Mgr., Westrex Co., Caribbean, Carrera 5A, 19-40, Boota, Colombia.

 SMITH, DENTON L. (S'53-M'56), Field Service Engr., Collins Radio Co., 1930 HILine Dr., Dallas 7, Tex.

 SMITH, DE WITT M. (A'54-M'58), Electronics Engr., U.S. Civil Service, 1883d AACS E&I Sqdn., APO 862, New York, N.Y.

- York, N.Y.
 SMITH, DON F. (A'55), Research Assoc., Univ. of MIchigan Willow Run Labs., Yosilanti, Mich.
 SMITH, DONALD H. (M'56), Radio Engr., Billey Electric Co., Union Sta. Bldg., Erie, Pa.
 SMITH, DONALD I. (S'41-A'42-M'55), Genl. Offices Staff System Analyst, Convair, San Diego, Calif.
- Start System Analyst, Convair, San Diego, Calif. SMITH, DONALD I. (S'54-M'58), Sr. Elec. Engr., Philoc Corp., Western Dev. Lab., Govt. & Industrial Div., 3875 Fabian Way, Palo Alto, Calif.

 SMITH, DONALD L. (M'56), Asst. Supvr., Tech., Crosley Broadcasting Corp., Cincinnati, Ohio.

 SMITH, DONALD W. (S'49-A'51-M'56), Staff Sales Engr., Raytheon Mrg. Co., Waltham 54, Mass.
- Raytheon Mrg. Co., Waltham 54, Mass.
 SMITH, DONALD W. (S-54-M-199.) Data System Analyst,
 USAF, D/Comp, STD, Hgrs. SAC, Offutt AF8 13, Neb.
 SMITH, DOUGLAS Y. (SM-57), V.P. & Genl. Mgr., Electron
 Tube Div., RCA, Harrison, N.J.
 SMITH, DUANE G. (S'50-A'54-M'57), Assoc. Engr.,
 Douglas Aircraft Inc., 3000 Ocean Park Blvd., Santa
 Monica, Calif.
- Monica, Calif.
 SMITH, DUNCAN L. (S'55-M'56), Sr. Engr., Microwave Engrg. Labs., 943 Industrial Ave., Palo Alto, Calif.
 SMITH, E. DILLON (SM'53), Exec. Officer, Corbin Corp., 5419 56 Pl., Riverdale, Md.
 SMITH, EDGAR C. (M'55), Chief Engr., Radio Sta.
 WFIN-AM-FM, Findlay Publishing Co., 101 1/2 W. Sandusky St., Findlay, Ohio.
 SMITH, EDGAR J. (S'52-M'54), Sr. Project Engr., Kearfott Co., Inc., 1500 Main St., Cliffon, N.J.

- SMITH, EDGAR L., JR. (S'44-A'47-M'55), 1607 N. Brvan St., Arlington 1. Va. SMITH, EDGAR M. (A'53-M'58), Engr., RCA, Lancaster,
- Pa.
 SMITH, EDGAR T. (A'58), Mail Clerk Messenger, Veterans Administration, Northport, L.I., N.Y.
 SMITH, EDWARD C. (A'50-M'56), Engr., RCA, New Holland Pike, Lancaster, Pa.
 SMITH, EDWARD D. (A'55), Genl. Mgr., Airtron Canada, Ltd., 300 Campbell Ave., Toronto, Ont., Canada.

- SMITH, EDWARD E. (S'53-A'54), Electronics Research Engr., Lockheed Missile Systems, Hanover St., Palo Alto, Calif.
- SMITH, EDWARD E. (A'59), 5112 S. Woodlawn Ave., Chicago 15, III. SMITH, EDWARD H., JR. (M'56), Production Engr., GE Co.,
- Immo, S.U.
 SMITH, EDWARD J, (A'44-M'55), Assoc. Prof., Elec.
 Engrg., Polytechnic Institute of Brooklyn, 55 Johnson St.,
 Brooklyn J, N,V.
 SMITH, EDWARD L., JR. (A'49-M'55), Mgr., U,H.F.
 Sect., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 2, Md.
- port, Baltimore 3, Md.
 SMITH, EDWIN B. (SM'59), Design & Dev. Engr., RCA
 Television Div., Camden B, N.J.
 SMITH, EDWIN L. (S'52-A'54-M'56), Electronics Design
 Engr., Bell & Howell Co., Inc., 7100 N. McComlck, Chicago 45, Ill.

- cago 45, III.

 SMITH, ELLIS F. (M'5B), Maintenance Co., 1st FSR, Twenty-Nine Palms, Calif.

 SMITH, FLMER H. (A'43-M'45), Research Engr., Univ. of Michigan, Willow Run Labs., Box 200B, Ann Arbor, Mich. SMITH, EMORY E. (S'55-A'57), Electronics Technician, GE Co., Syracuse, N.Y.

 SMITH, FRIC G. (M'5B), Lecturer, Rotherham College of Technology, Howard St., Rotherham, York shire, England.

 SMITH, ERNEST K., JR. (A'46-M'48-SM'55), Chief, Ionospheric Research Sect., CRPL, Natl. Bureau of Standards, Boulder, Colo.

 SMITH, ERNEST R. (A'53). Physicist. Natl. Bureau of Standards.

- SMITH, ERNEST K., JR. (A'46-M'48-SM'55), Chier, Ionospheric Research Sect., CRPL, Natl. Bureau of Standards, Boulder, Colo.
 SMITH, ERNEST R. (A'53), Physicist, Natl. Bureau of Standards, Sound Sect. Div. 6.1, Washington 25, D.C.
 SMITH, ERREST S. (M'56), 1566 Shirley Dr., New Orleans 14, La.
 SMITH, ERVIN G., JR. (M'56), Research Staff Asst., The Johns Hopkins Univ., Baltimore 2, Md.
 SMITH, ERVIN G., JR. (M'56), Research Staff Asst., The Johns Hopkins Univ., Baltimore 2, Md.
 SMITH, EVERARD F. (M'59), Systems Engr., Sperry Gyroscope Co. Carle Place, L.I., N.Y.
 SMITH, F. A. (J'16-A'49-SM'57), Deputy Chief Engr., Canadian Overseas Telecommunication Corp., 625 Belmont St., Montreal 3, P.Q., Canada.
 SMITH, F. A. B. (A'42-M'55), Chief, Standards Staff, Navigational Aids Branch, BF350, FAA, Washington 25, D.C.
 SMITH, F. A. B. (A'42-M'55), Chief, Standards Staff, Navigational Aids Branch, BF350, FAA, Washington 25, D.C.
 SMITH, F. LANGFORD (M'36-SM'43), I Noakes Ave., Chelmsford, Essex, England.
 SMITH, F. PATTERSON (S'51-A'54-M'57), Project Engr., Advanced Dev., Matl. Aeronautical Co., Industrial Park, Ft. Washington, Pa.
 SMITH, FINLEY W. (M'42-SM'43), Prof., Elec. Engrg., Lafayette College, Easton, Pa.
 SMITH, FINLEY W. (M'42-SM'43), Prof., Elec. Engrg., Lafayette College, Easton, Pa.
 SMITH, FRANK C., UR. (M'57), Instr., Radio Engrg. Institute, 2610 Leavenworth, Omaha, Neb.
 SMITH, FRANK C., G'48-A'50), Co-owner, Wilshire Television, 6114 E. Mockinobird Lane, Dallas 14. Tex.
 SMITH, FRANK C., UR. (M'52), Sr. Engr., Instrumentation Div., Southwestern Industrial Electronics Co., 10201 Westheimer, Houston 19, Tex.
 SMITH, FRANK C., G'53), DRSO, Defense Research Telecommunications Est., Electronics Lab., Montreal Rd., Ottawa, Ont., Canada.
- SMITH, FRED S. (M'56), Chief Engr., WGBG, Greensboro,
- N.C.

 SMITH, FREDERIC B. (S'52-A'54), Engr., Semiconductor Div., RCA, Somerville, N.J.,
 SMITH, FREDERICK A. (A'52-M'57), Owner & Mgr., Allan Wired Music Co., Rt. 4, Box 572, Charleston, S. C.
 SMITH, FREDERICK C. (A'47-M'55), Dept. Chief, Westem Electric Co., Lexington Rd., Winston-Salem, N.C.
 SMITH, FREDERICK E. (A'51-M'56), Electronics Engr., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.
- Calif.
 SMITH, FREDERICK L. (S'56-M'5B), Elec. Engr., The Natl. Cash Register Co., Maine & K St., Dayton, Ohio.
 SMITH, FREDERICK M. (M'56), Engr., Bendix Aviation Corp., Box 1179, Kansas City, Mo.
 SMITH, FREDERICK W. (J'42-A'43-M'4B), Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.
 SMITH, G. ALLAN (SM'57), Flight Instrument Research Branch Chief, Natl. Aeronautics & Space Administration, Ames Research Center, Moffett Field, Calif.

- search Center, Moffett Field, Calif.

 SMITH, GAIL P. (M'55), Sr. Research Assoc., Corning Glass Works, Corning, N.Y.

 SMITH, GALE M. (S'35-A'36-VA'39), Engr., AT&T Co., 195 Broadway, New York 7, N.Y.

 SMITH, GEORGE A., JR, (M'56), Pres., Central Station Alarm Co., 610 N. Akard St., Dallas, Tex.

 SMITH, GEORGE B. (A'52), Engr., J.P. Seeburg Corp., 1510 N. Dayton St., Chicago 22, Ill.

 SMITH, GEORGE C. (S'53-A'54), Project Engr., Canadian Marconi Co., Electronic Tube Plant, 90 Trenton Ave., Mount Royal, P.Q., Canada.

 SMITH, GEORGE F. (A'46-M'55-SM'58), Head, Exploratory

- Royal, P. Q., Canada

 SMITH, GEORGE F. (A'46-M'55-SM'58), Head, Exploratory Studies Dept., Hughes Research Labs., Malibu, Calif.

 SMITH, GEORGE J. (S'52-A'53), Engr., Logical Design, CGS Labs., Inc., 391 Ludlow St., Stamford. Conn.

 SMITH, GEORGE W. (A'54-M'57), Research Group Engr., Ryan Aeronautical Co., Harbor Dr., San Diego, Calif.

 SMITH, GEORGE W., JR. (A'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 SMITH, GERALD (SM'56), Research & Dev. Engr., Daystrom Instruments, Archbald, Pa.

 SMITH, GERALD E. (S'57-M'59), 75-31 260, Glen Oaks, L.I., N.Y.

- L.I., N.Y.
 SMITH, GERALD L. (S'57-M'58), Electronics Design Engr.,
 Douglas Aircraft Co., Inc., Tulsa, Okla.
 SMITH, GERARD J. (S'54-A'55), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 SMITH, GERRY K. (S'57-A'59), 232 Geni. Marshali, N.E.,
 Albunuerque, N.M.
- SMITH, GLEN H. (M'58), Design Engr., Martin Co., Denver,
- Colo.
 SMITH, GLENN H. (A'55), Asst. Chief Engr., Radio Sta.
 KFYO, 914 Ave. J., Lubbock, Tex.
 SMITH, GORDON H. (M'56), Staff Engr., IBM, Poughkeepsie,
 N,Y.
- SMITH, GORDON S. (A'47-M'55-SM'58), Project Engr., Systems, Inc., 2326 Diversified Way, Orlando, Fla.

- SMITH, GROVER C. (A'54-M'58), Assoc. Engr., Missiles Engrg., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
- Monica, Calif.

 SMITH H. KIRBY (S'48-A'51-M'5B), Electronics Engr.,
 Sun Oil Co., Box 2831, Beaumont, Tex.

 SMITH, H. M. (A'31-SM'51), Maritimes Regional Engr.,
 Canadian Broadcasting Corp., Sackville, N.B., Canada.

 SMITH, H. MILLARD (A'39-SM'55), Head, Electronic
 Displays Dept., Electronics Lab., Aircraft Co., Culver
 City, Calif.

 SMITH HALDAN (A'55)
- SMITH, HALDON L. (M'51), Advanced Research Engr., Sylvania Elec. Prods., Inc., Waltham, Mass. SMITH, HARLAN W. (M'58), Elec. Engr., GE Co., Syracuse, N.Y. SMITH, HAROLD A, (A'31-VA'39-M'55), Supvy. Electronics Engr., FAA, 5651 W. Manchester Ave., Los Angeles 45, Calif.
- SMITH, HAROLD A. (A'56), V.P., Haddam Mfg. Co.,
- Haddam, Conn.

 SMITH, HAROLD C. (M'53), Special Courses Instr.,
 Convair-Astronautics, San Diego, Calif.

 SMITH, HAROLD D. (5'56-M'57), Staff Engr., Land-Air,
 Inc., Box 394, Holloman AFB, N.M.

 SMITH, HAROLD E. (A'56), Microwave Field Engr.,
 Motorola, Inc., C&E., 1400 N. Cicero Ave., Chicago

- 51, III.

 SMITH, HAROLD H. (S'45-A'48-M'55), Supvy. Engr.,
 Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.

 SMITH, HAROLD W. (M'51-SM'55), Assoc. Prof., Elec.
 Engrg., Research Lab., Univ. of Texas, Austin, Tex.

 SMITH, HARRY B. (M'47), Mgr., Radar Techniques Sect.,
 Westinghouse Elec. Cop., Friendship Internatl. Airport,
 Baltimore 27, Md.
- Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 27, Md.

 SMITH, HARRY B. (A'43-M'55), Asst. Genl. Mgr., Schulmerich Carillons, Inc., Sellersville, Pa.

 SMITH, HARRY B. (S'57-M'59), Asst. Mgr., Elec. Engr., Hoff's Electrical Service, Olive St., Neshanic Station, N. J.

 SMITH, HARRY D. (S'49-A'51-M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SMITH, HARRY D., The Company of the Company of

- Barbara, Calif.

 SMITH, HARVEY, J. (A'34-VA'39-M'55), Design & Dev. Engr., Raytheon Mfg. Co., Newton, Mass.

 SMITH, HARVEY N. (M'54), Supvr., Engrg., CBS, KMOX-TV, 1215 Cole, St. Louis 6, Mo.

 SMITH, HARWELL F., JR. (S'48-A'55), Dev. Engr., Union Carbide Nuclear Co., Oak Ridge, Tenn.

 SMITH, HENRY E. (A'58), Source Inspector, Western Electric Co., 3300 Lexington Rd., Winston-Salem, N.C.

 SMITH, HENRY J. (S'43-A'45-M'47-SM'54), Ld. Engr., Electronic Components & Standards, Chance-Vought Aircraft, Inc., Dallas, Tex.

- Inc., Dallas, Tex.
 SMITH, HERBERT E. (5'53-M'56), Asst. Project Engr.,
 Bendix Aviation Corp., Towson 4, Md.
 SMITH, HERBERT O. (5'49-A'50-M'55), Engr., Westem
 Electric Co., Burlington, N.C.
 SMITH, HERMAN W., JR. (A'55-M'58), Engr., Litton
 Industries, San Carlos, Calif.
 SMITH, HOLLIS T. (M'58), Project Engr., Research &
 Dev., Collins Radio Co., 2700 W. Olive Ave., Burbank,
 Calif.
- MITH, HORACE F., JR. (S'55-M'5B), Field Engr., Hughes Aircraft Co., Culver City, Calif. SMITH, HOWARD A. (A'54), Dist. Sales Mgr., Emerson & Cuming, Inc., 869 Washington, Canton, Mass. SMITH, HOWARD A. P. (A'47-M'55), Electronics Engr., U. S. Naval Ordnance Test Sta., 3200 E. Foothill Blvd., Pasadena, Calif.
- rasauena, Jahl.
 SMITH, HOWARD G. (A'34-M'55), Prof., School of Elec.
 Engrg., Cornell Univ., Ithaca, N.Y.
 SMITH, HOWARD H. (M'45), Communications Engr.,
 Internati. Standard Electric Corp., 67 Broad St., New
 York 4, N.Y.
- InternatI. Standard Electric Corp., 67 Broad St., New York 4, N.Y.

 SMITH, HOWARD L. (A'57-M'58), Photographic Research, Univ. of California Radiation Lab., Berkeley 4, Calif., Pres., Lambert Associates, 1328 Merced St., Richmond 6, Calif. SMITH, HOWARD M. (A'53), Field Engrp. Supvr., Sperry Gyroscope Co., Great Nrck, L.I., N.Y.

 SMITH, HUGH E. (A'56), Specifications Engr., Lockheed Missiles Systems, Hanover St., Palo Atto, Calif.

 SMITH, RA A. (M'55), Owner, Communication Service Co., Box 1829, Asheville, N.C.

 SMITH, RVING R. (S'56-M'57), Lecturer, City College of New York, 139 St. & Convent Ave., New York, N.Y.

 SMITH, J. EARL (A'50), Owner, J. Earl Smith Co., 6211 Denton Dr., Box 35331, Dallas 35, Tex.

 SMITH, J. ERNEST (437-SM'47-F'55), V.P. & Dir., Engry., Datamatic Div., Minneapolis-Honeywell, 151 Needham St., Newton 61, Mass.

 SMITH, J., MORRISON (A'45-M'55), Pres., Natl. Radio Institute, 3939 Wisconsin Ave., Washington 16, D.C.

 SMITH, J. VINCENT (A'58), 12620 Famell Dr., Silver Spring, Md.

 SMITH, JACK (S'52-A'52), Instr., Univ. of Arizona, Tucson 25, Ariz.

 SMITH, JACK (M'56), Project Engr., GE Co., Syracuse, N.Y.

 SMITH, JACK E. (M'53), Electronics Engr., Navy Civil

- N.Y.
 SMITH, JACK E. (M'53), Electronics Engr., Navy Civil Service, CIC School, NAS, Glynco, Ga.
 SMITH, JACK R. (S'57-M'58), Industrial Dynamics Research, Hughes Aircraft Co., Culver City, Calif.
 SMITH, JAMES D. (A'48-M'51), Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N.M.
 SMITII, JAMES E. (A'20-M'26-SM'43)(L), Chmn. of Bd., Natl. Radio Institute, 3939 Wisconsin Ave., Washington 16, D.C.
- SMITH, JAMES E. (A'57), Pres., Selectronics, Ltd., 20 Rivalda Rd., Weston, Ont., Canada. SMITH, JAMES M. (A'5B), Radar & Communication Technician, North Burnaby, B. C., Canada.

- SMITH, JAMES M. (M'55), Engr., GE Co., Semi-conductor Engrg., Syracuse, N.Y. SMITH, JAMES P. (S'54-M'56), Sr. Physicist, Haller, Raymond & Brown, Inc., State College, Pa. SMITH; JAMES S., JR. (S'55-M'58), Jr. Engr., IBM,

- Owego, N. S. JR. (S 35-M 36), Jr. Engr., Iow, Owego, N. S. JR. (S 15-M 157), Instr., Elec. Engrg., The Johns Hopkins Univ., Baltimore 18, Md.

 SMITH, JARED S. (S'48-A'49-SM'55), Mgr., Standard Mobile Design Engrg., Communication Prods. Dept., G.E., Mountainview Rd., Lynchburg, Va.

 SMITH, JASON H., JR. (M'59), Asst. to Chief Engr., Radio Liberation Network Div., American Committee for Liberation, Inc., 1657 Broadway, New York 19, N. Y.

 SMITH, JAYA., JR, (S'56-M'58), Assoc. Engr., Westinghouse Elec. Corp., Wapak Rd., Lima, Ohio.

 SMITH, JEROME C. (A'42-M'55), Chief Engr., West Coast Electronic Prods. Dept., RCA, 11819 W. Olympic Bivd., Los Angeles, Calif.

 SMITH, JEROME E. (S'53-A'55-M'56-SM'59), Elec.
- Bivd., Los Angeles, Calif.

 SMITH, JEROME E. (S'53-A'55-M'56-SM'59), Elec.
 Engr., RCA, West Coast Electronics Prods. Dert., 11819
 W. Olympic Bivd., Los Angeles 64, Calif.
 SMITH, JODY D. (S'57-M'58), Analysis Engr., Marquardt
 Aircraft Co., Van Nuys, Calif.
 SMITH, JOE N. (M'53), Head, Instrumentation, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 SMITH, JOEL N. (A'52-M'57), Elec. Engr., RCA, Camden,
 N. J.

- SMITH, JOEL N. (A'52-M'57), Elec, Engr., RCA, Camden, N. J.

 SMITH, JOHN A. (S'56-M'59), Process Control Engr., Genl. Instrument Corp., 65 Gouverneur St., Newark, N. J.

 SMITH, JOHN B. (A'54), Regional Mgr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 SMITH, JOHN D. (M'59), Dept., Head, Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 SMITH, JOHN I. (S'55-M'57), Engr., Sylvania Electronic Defence Lab., Box 205, Mountain View, Calif.

 SMITH, JOHN J. (M'56), Systems Engr., GE Co., Box 4247, Patrick AFB, Fla.

 SMITH, JOHN P. (M'42-SM'43), Research Engr., David Sarnoff Research Certer, Princeton, N. J.

 SMITH, JOHN S. (S'58-M'59), Assoc. Engr., Convair, Ft. Worth, Tex.

 SMITH, JOHN S. (M'59), Sr. Engr., Schlumberger Well Surveying Corp., Ridgefield, Conn.

 SMITH, JOHN W. (A'45-M'46-SM'49), Systems Div., Collins Radio Co., Cedar Rapids, Iowa.

 SMITH, JOHN W. (A'45-M'46-SM'49), Military Dev. Engr., Bell Tel. Labs., Whippany, N. J.

 SMITH, JOHN W. (A'455-M'51), 21-25 149 St., White-

- SMITH, JOHN W. (A'55), Project Engr., IBM, Poughkeepsie, N.Y.

 SMITH, JOHN W. (A'45-SM'51), 21-25 149 St., Whitestone 57, L.I., N.Y.

 SMITH, JOHN W. (SM'59), Dept. Mgr., Stavid Engrg., Inc., Plainfield, N.J.

 SMITH, JOSEPH C., JR. (A'57), Engr. Aide, Natl. Security Agency, Ft. Meade, Md.

 SMITH, JOSEPH F. (A'54), Sales Rep., The Smith Co., 16

 Northfield Ave., West Orange, N.J.

 SMITH, JOSEPH N. (A'57), Chief Petty Officer, Radio Technician, Royal Canadian Navy, N.D.H.Q., Cartier Sq., Ottawa, Ont., Canada.

 SMITH, JOSEPH S. (S'47-A'49-SM'54), V.P., All-Tronics, Inc., 45 Bond St., Westbury, L.I., N.Y.

 SMITH, KAYD. (S'56-M'59), Project Engr., Sperry Utah Engrg, Labs., 322 N. 21 St., W., Salt Lake City 16, Utah.
- Engrg. Labs., 322 N. 21 St., W., Salt Lake City 16, Utah.

 SMITH, KELVIN C. (S'54-M'56), Assoc. Engr., Applied Physics Staff, Boeing Airplane Co., Seattle, Wash.

 SMITH, KENNETH A, H. (A'41-M'55), Supt., Design & Dev., Naval Security Engrg. Facility, 3801 Nebraska Ave., N. W., Washington, D. C.

 SMITH, KENNETH C. (S'53-A'54), Computation Centre, Univ. of Toronto, Toronto, Ont., Canada.

 SMITH, KENNETH D. (SM'47), Mem. Tech., Staff, Bell. Tel. Labs., Murray Hill, N. J.

 SMITH, KENNETH G. (A'55), Sr. Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif.

 SMITH, KENNETH F. (M'59), Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.

 SMITH, KENNETH W. (M'55), Electronics Engr., White Sands Proving Ground, N. M.; Broadcast Transmitter Engr., KROD, El Paso, Tex.

 SMITH, KENNETH W. (A'54), Engr., Electronics Div., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 SMITH, KENNETH W. (A'56), P. Technician, American Bosch Arma Corp., Garden City, L.I., N.Y.

 SMITH, LARRY D. (M'57), Engr., HMED, GE Co., Syracuse, N.Y.

 SMITH, LARRY D. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

- cuse, N.Y.
 SMITH, LARRYM, (M'57), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N.J.
 SMITH, LAURENCE D. (S'53-A'54), Engr., GE Co.,
 Syracuse, N.Y.
 SMITH, LAWRENCE A. (SM'56), Mgr., Avionics Sales
 Dext., Genl. Precision Lab., Pleasantwille, N.Y.
 SMITH, LAWRENCE G. (M'58), Elec. Engr., Melpar,
 Inc., 3000 Arlington Blyd., Falls Church, Va.
- Inc., 3000 Arlington Blvd., Falls Church, Va.
 SMITH, LAWRENCE R. (A'48-M'55), Fr. Engr., Motorola,
 Inc., Phoenix, Ariz.
 SMITH, LAWRENCE R. (A'58), Coordinator, Facilities
 Planning, Lab, for Electronics, 1079 Commonwealth Ave.,
 Boston, Mass.
 SMITH, LEE D. (S'48-A'50-M'54-5M'57), Head, Navigation Sect., Stromberg-Carlson Co., 1400 N. Goodman
 St., Rochester 9, N.Y.

- St., Rochester 9, N. Y.

 SMITH, LELAND B. (S'57-M'58), Flight Test Engr., Convair, Ft. Worth, Tex.

 SMITH, LEONARD A. (A'53-M'59), Project Engr., Weapons Guidance Lab., Wright-Patterson AFB. Ohio

 SMITH, LEONARD W. (M'59), V. P., Mfg., Electralab, Inc., Needham Heights, Mass.

 SMITH, LE ROY J. (M'56), Head, Systems Design, Litton Industries, 336 N. Footbill Rd., Beverly Hills, Calif.

 SMITH, LESTER (A'53), Production Engr., Andrea Radio Co., 27-01 Bridge Plaza, N., Long Island City, N. Y.

 SMITH, LESTER C. (S'33-A'36-SM'45), Pres., Image Instrument s, Inc., 51 Waldorf Rd., Newton Upper Falls 64, Mass.

 SMITH, LINCOLN E. (M'54), Engr.-in-Cha. Radio Com-
- MITH, LINCOLN E (M'54), Engr.-in-Chg., Radio Com-munications Lab., Gulf Research & Development Co., Drawer 2038, Pittsburgh 30, Pa.

- SMITH, LLOYD C. (S'57-M'59), Field Service Engr., Shand & Jurs Co., 8 & Carleton Sts., Berkeley, Calif. SMITH, LLOYD H. (A'51), Partner, S. & S., Radio Supply, 537 S. Kenosha, Tulas 10, Okla. SMITH, LORNE B. (S'53-M'57), Engrg. Trainee, Canadair, Box 6087, Montreal, P. Q., Canada. SMITH, LOUIS G., JR. (S'49-A'51), Project Engr., Chrysler Corp., Box 2628, Detroit 31, Mich.

- SMITH, LOUIS L., JR. (A'55), District Sales Mgr., Hughes Aircraft Co., 1515 N, Harlem Ave., Oak Park, III, SMITH, LUTHER G., JR. (A'56-A'57), Elec, Engr., Natl. Security Agency, Washington, D.C.
- SMITH, LUTHER G., JR. (A.56-M.57), Elec., Engr., Natl., Security Agency, Washington, D.C.

 SMITH, MALCOLM D. (M.58), Test Equipment Engr., Stromberg Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 SMITH, MALCOLM K. (A.54), Physical Science Study Committee, 94 Massachusetts Ave., Cambridge 39, Mass.

 SMITH, MARION P. (M.57), System Mgr., Honeywell Inertial Guidance Center, 13350 U.S., Hwy. 19, St., Petersburg 33, Fla.
- SMITH, MARSHALL D. (S'50-A'53-M'57), Mgr., Application Engr., Raytheon Mfg. Co., Newton 58, Mass.
 SMITH, MARTIN V. (S'53-A'54), Sr. Electronics Technician, Univ. of Calif., Cyclotron Lab., Physics Dept., UCLA, Los Angeles, Calif.

- Univ. of Calif., Cyclotron Lab., Physics Dept., UCLA, Los Angeles, Calif.

 SMITH, MERLIN G. (A'54), Project Engr., IBM Research Labs., Box 218, Yorktown Heights, N.Y.

 SMITH, MERRILL E. (S'52_A'54-M'59), Electronics Engr., White Sands Proving Ground, N.M.

 SMITH, MERRILL S. (A'36-M'46-SM'46), Dir., Tech. Publications, Collins Radio Co., Cedar Rapids, lowa.

 SMITH, MIKE T. (M'57), 1006 Lynhurst Ave., San Antonio 10, Tex.

 SMITH, MIKE T. (M'57), Fleld Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 SMITH, MORNISS J. (M'56), Reliability Engr., LMED, GE Co., Utica, N.Y.

 SMITH, MURDOCH F. (A'56), Owner, Hillhurst Radio & TV, 207 19 St., N.W., Calgary, Alta, Canada.

 SMITH, MYRON P. (M'59), Lt. Col., U.S. Army, Chief, Systems Div., Combat Surveillance & Avionics Dept., U.S. Army Electronic Proving Grounds, Ft. Huachuca, Ariz.

 SMITH, MYRON R. (4'45-M'55), Prop., Myron R. Smith & Co., 9300 N.E. 12, Bellevue, Wash.

 SMITH, MYRON T. (M'55-SM'43), Sales Mgr., Genl. Radio Co., West Concord, Mass.

 SMITH, NELSON S., JR. (M'58), Instr., West Virginia Univ., Morgantown, W. Va.

 SMITH, NEWBERN (A'41-SM'46-F'52), Prof., Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.

 SMITH, NEWBERN (A'41-SM'46-F'52), Prof., Elec. Engrg., Univ. of Michigan, Ann Arbor, Mich.

- SMITH, NEWLAND F. (A'35-VA'39-SM'50), Pres., Gray Research & Development Co., 16 Arbor St., Hartford 1,
- SMITH, NORMAN J. (A'57), Jr. Engr., Collins Radio Co., 2700 Olive, Burbank, Calif.

- 2700 Olive, Burbank, Calif.
 SMITH, O.LIVER H. (A'B-M'55), B446 N. 66 St.,
 Milwaukee 1B, Wis.
 SMITH, OLIVER J., III (M'56), Dev. Engr., American
 Viscose Corp., Marcus Hook, Pa.
 SMITH, OLIVER K. (M'56), Research Scientist, Space
 Technology Labs., Inc., Box 95001, Los Angeles 45,
 Calif.
- SMITH, ORVILLE R. (SM'55), Engrg. Mgr., Welex, Inc., Box 165B, Houston 1, Tex. SMITH, OSWALD A. (A'36-VA'39-M'56), 9634 105 St., Edmontor, Alta., Canada.
- Edmontor, Atta., Canada.

 SMITH, OTTO J. M. (M'44-SM'51-F'59), Prof., Elec.
 Engro. Dept., Univ. of California, Berkeley 4, Calif.

 SMITH, P. GENE (S'47-A'50-SM'54), Engro. Sect. Head,
 Sperry Gyroscope Co., 294 Commercial St., Sunnyvale,
 Calif.
- Cair.
 SMITH, PALMER B. (A'54), Electronics Engr., Bames Engrg. Co., 30 Commerce Rd., Stanford, Conn.
 SMITH, PAUL (S'49-4'50-M'55), Chief Engr., Esquire Radio Corp., 6201 15 Ave., Brooklyn, N.Y.
 SMITH, PAUL C. (A'29-SM'46), Assoc. Prof., Elec. Engrg., Univ. of Akron, Akron 4, Ohio.
- SMITH, PAUL D. (S'50-A'52-M'57), Asst. Prof., Rose Polytechnic Institute, R.R. 5, Terre Haute, Ind.
 SMITH, PAUL E. (A'53-M'5B), Engr., Convair, Pomona,

- Calif.
 SMITH, PAUL G. (A'54), Chief Engr., ITT, Components
 Div., 100 Kingsland Rd., Clifton, N.J.
 SMITH, PAUL L. (A'41-M'46-SM'55), Physicist, Naval
 Research Lab., Washington 25, D.C.
 SM'TH, PAUL O., JR. (S'57-A'5B), 51 Stemberger Ave.,
 Long Branch, N.J. (20 SMIAF)
- SMITH, PAUL S. (A'30-SM'45), Engrg. Standards Dept. Head, Motorola, Inc., 4545 Augusta Blvd., Chicago 51, III.

- iii.
 SMITH, PAUL W. (A'44), Field Service Engr., Eclipse Pioneer Div., Teterboro, N.J.
 SMITH, PAUL W. (S'157-M'58), Assoc. Engr., Westinghouse Elec. Corp., 7325 Penn Ave., Pittsburgh B, Pa.
 SMITH, PERRIN F. (M'56), Asst. Project Mgr., Advertising Dev. Div., IBM, Monterey Rd., San Jose, Calif.
 SMITH, PERRY C. (S'53-A'54), Applications Engr., Genl. Instrument Corp., Automatic Mfg. Div., Newark, N.J.
 SMITH, PERRY C. (SM'53), Sales Mgr., Reeves Instrument Corp., East Gate Bibd., Garden City, L.I., N.Y.
 SMITH, PHILLIP A. (A'43), Pres., Suburban Metalcraft, Inc., 1844 Miner St., Des Plaines, III.
 SMITH, PHILLIP D. P. (M'56), Pres., Vector Labs., Inc., 736 Notre Dame W., Montral, P.Q., Canada.
- SMITH, PHILIP J. (S'42-A'44-M'4B), Supvr., Antenna & Microwave American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn.
- SMITH, PHILIP T. (A'3B-SM'46), Tech. Dir., C. Stellarator Associates, Box 451, Princeton, N.J.; on leave as Sr. Mem. Tech. Staff, RCA Labs., Princeton, N.J.
- SMITH, PHILLIP H. (A'34-SM'46-F'52), Supvr., Bell Tet. Labs., Whippany, N.J. SMITH, RALPH E. (M'5B), 644 Vallejo Way, Upland,
- SMITH, RALPH O. (SM'53), Communications Specialist, Directorate of Communications, Hgrs. USAF, Washington 25, D.C.
- SMITH, RAMON W. (A'54), Sr. Staff Engr., Sperry Microwave Electronics Co., Box 1B28, Clearwater, Fla.

- SMITH, RAOUL D. (SM'56), Sales Engr., Sperry Electronic Tube, Div., Sperry Rand Corp., 177 State St., Boston,
- Mass.
 SMITH, RAY M. (M'55), Chief Draftsman, Pennsylvania
 State Univ., Ordnance Research Lab., University Park, Pa.
 SMITH, RAYMOND A. (A'52), Chief Engr., Windward Islands
 Broadcasting Service, Broadcasting House, Grenada, B.W.I.
 SMITH, RAYMOND A. (M'58), Elec. Engr., RCA, Camden,
- SMITH, RAYMOND E. (A'54), Pres., Design Engrg. Services, 89 Carmalt Rd., Hamden 17, Conn.
- SMITH, RICHARD A. (S'55-M'57), Base Communications Officer, USAF, 3914th Combat Support Group, APO 243, New York, N.Y.
- New York, N.Y.

 SMITH, RICHARD A. (S'45-A'49-M'55), Sr. Staff Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 SMITH, RICHARD C. (S'54-M'56), Sr. Engr., Philoc
 Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 SMITH, RICHARD O. (M'56), Design Engr., GE Co., Jackson
 St., Holyoke, Mass.
- St., Holyoke, Mass.
 SMITH, RICHARD E. (S'51-A'55-M'55), Engr., Westinghouse
 Elec.. Corp., 7325 Penn Ave.. Pittsburgh 8, Pa.
 SMITH, RICHARD L. (A'30-M'46-SM'52), Field Operations
 Rep., GE Co., HMED, Syracuse, N.Y.
 SMITH, RICHARD L. (S'57-M'58), Staff Mem., Mfg. Dev.
 Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
- SMITH, RICHARD L. (A'53-M'59), Electronics Engr., Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.
- 42, Mass.
 SMITH, RICHARD L. (M'55), Supt., Western Union, Internatl. Communications, 805 5 St., Miami Beach 39, Fla.
 SMITH, RICHARD O. (S'57-A'58), Instrument Mechanic
 "A," Convair, Ft. Worth, Tex.
 SMITH, RICHARD S. (M'59), Elec. Engr., RCA, Moorestown, N.J.
- SMITH, RICHARD T. (A'47-M'55), Assoc. Prof., Elec. Engrg., University of Texas, Austin 12, Tex.

- SMITH, RICHARD T. (A'47-M'55), Assoc. Prof., Elec. Engra., University of Pexas, Austin 12, Tex.

 SMITH, ROBERT (A'57), Sales Engr., Kenneth E. Hughes Co., 4808 Bergenline Ave., Union City, N.J.

 SMITH, ROBERT C., JR. (M'58), TV Tech. Supvr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 SMITH, ROBERT D. (M'56), Electronic Scientist, U.S. Naval Ordnanec Lab., Corona, Calif.

 SMITH, ROBERT F. (M'5B), Computer Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa.

 SMITH, ROBERT F. (M'5B), Computer Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa.

 SMITH, ROBERT H. (M'56), Jr. Engr., Moreon, N.Y.

 SMITH, ROBERT H. (M'56), Jr. Engr., Maryland Electronic Mfg. Corp., 5009 Calvert Rd., College Park, Md.

 SMITH, ROBERT J. (M'58), Sales Engr., The Natl. Cash Register Co., K & Maine Sts., Dayton 9, Ohio.

 SMITH, ROBERT I. (S'41-A'44-A'4M'53), Design Engr., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.

 SMITH, ROBERT M. (SM'57), Engr., RCA, Moorestown,
- SMITH, ROBERT M. (SM'57), Engr., RCA, Moorestown,
- N.J., SMITH, ROBERT M. (A'5B), Technician, Scott Communications, 1450 W. Main St., Norristown, Pa. SMITH, ROBERT P. (A'51-M'56-SM'57), Program Mgr., Motorola Research Lab., B330 Indiana Ave., Riverside, Calif.
- Calif.

 SMITH, ROBERT R. (S'4B-A'50-M'54-SM'57), Project Engr., Interstate Electronics Corp., 707 E. Vermont Ave., I Anaheim, Calif.

 SMITH, ROBERT S. (S'49-A'51-M'55), Research Asst., Univ. of Illinois, 209 E. E. Research Lab., Urbana, Ill.

 SMITH, ROBERT T. (M'56), Sect. Mgr., Philco Corp., Western Dev. Labs., 3B75 Fabian Way, Palo Alto, Calif.

 SMITH, ROBERT T. (A'50-SM'5B), Sr. Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SMITH, ROBERT T. (A'53), Elec. Engr., TVA, Chattanoga, Tern.

 SMITH, ROBERT V. (S'50-A'53-M'5B), Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 SMITH, ROBERT V. (SM'56), Supvg. Electronic Scientist, U.S. Naval Air Development Center, Johnswille, Pa. SMITH, ROGER S. (M'56), Electronics Engr., Lab. for

- O.3. Navid Air Development Center, Johnsville, Pa. SMITH, ROGER S. (M'56), Electronics Engr., Lab. for Electronics, 75 Pitts St., Boston, Mass. SMITH, ROLLAND F. (E'52-A'53), Field Engr., Tektronix, Inc., 9619 Columbia Pike, Amandale, Va.
- SMITH, RONALD C. (S'5B-M'59), Jr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. SMITH, RONALD P. (S'53-A'55), Design Engr., GE Co., Edmore, Mich.
- Edmore, Mich.
 SMITH, ROSS A. (S'39-A'41), Administrative Engr.,
 Chicago Telephone Supply Corp., 1142 W. BeardSley Ave.,
 Elkhart, Ind.
- SMITH, ROSSER J., JR. (A'44-M'55), Owner, Texas Sound Studios, 506 W. Hildebrand Ave., San Antonio 12, Tex.

- 12, Tex.

 SMITH ROY A. (S'51-A'52-M'55), Mem. Tech. Staff, GE Co., Tech. Military Planning Operation, 735 State St., Santa Barbara, Calif.

 SMITH, ROY E. (A'56-M'57), Instr., Provincial Institute of Technology & Art, 13 Ave. & 10 St., N.W., Calgary, Alta., Canada.
- SMITH, RUSSELL G. (A'54), Engrg. Tech. (Measurement Standards), Naval Inspector of Ordnance, 1675 W. 5 St. Pomona, Calif.
- Standards), Naval Inspector of Ordnance, 1675 W. 5 St., Pomona, Calif.

 SMITH, SAMUEL B. (A'27-M'35-SM'49), Partner, Merriam, Lorch & Smith. 30 W. Monroe St., Chicago 3, III.

 SMITH, SIDNEY (S'50-A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SMITH, SIDNEY K. (S'49-A'51-M'53), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. SMITH, SIDNEY R. (A'42-SM'48), Consulting Engr., 1136 Crescent Ave., N. E., Atlanta 9, Ga.

 SMITH, SIDNEY S. (S'50-A'51-M'56), Engr., Rath & Strong, Inc., 140 Federal St., Boston 10, Mass.

 SMITH, SIDNEY T. (S'38-A'44-SM'52), Electronic Scientist, Naval Research Lab., Washington 25, D. C.

 SMITH, SPENCER K. (M'56), Asst. Transmission Engr., Co Sask. Govt. Tet., 2350 Albert, Regina, Sask., Canada.

 SMITH, SPURGEON E. (M'53), Dir., Research, Textran Corp., Box 9207, Austin 17, Tex.

 SMITH, STANLEY B. (A'57), Specification Engr., Remington Rand, 7 Spruce, Illon, N.Y.

- SMITH, STANLEY R. (A'57), Engr., Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif. SMITH, STANLEY W. (A'57), Lab. Supvr., Radioplane DIV., Northrop Aircraft, Inc., 8000 Woodley, Van Nuys, Calif.
- SMITH, STAUFFER L. (S'47-A'49-M'55), Training Supwr., GE Co., DSD, Syracuse, N.Y. SMITH, STEADMAN A. (A'46), Elec. Engr., Pennzoil Div., South Penn Oil Co., Oil City, Pa.
- SMITH, STEPHEN B. (S'55-M'57), Box 1656, Delray Beach, Fla.
- SMITH, STEWART L. (A'52-M'57), Mgr., Prod. Dev. Sect., Ampex Corp., 934 Charter St., Redwood City, Calif. SMITH, THEODORE A. (J'25-A'26-SM'45), Exec. V.P., Industrial Electronic Prods., RCA, Camden 2, N.J.
- inoustrial Electronic Prods., RCA, Camden 2, N.J.
 SMITH, THEODORE F. (S'56-M'59), Quality Engro. Procedures Dept., Bureau of Ordnance, Quality Control Div.,
 Naval Gun Factory, Washington 25, D.C.
 SMITH, THEODORE H. (M'52-SM'57), Project Mgr., Designers for Industry, Inc., 4241 Fulton Pkwy., Cleveland 9,
 Ohio.
- Swith, THOMAS B. (S'54-M'56), Elec. Engr., Allied Research Associates, 43 Leon St., Boston 15, Mass.
 SMITH, THOMAS D. (S'54-M'56), Elec. Engr., Chance-Vought Aircraft, Dallas, Tex.
 SMITH, THOMAS F. (M'57), Dir., Garnetts & Keegan's, Ltd., 31 Parliament, Dublin, Ireland.
 SMITH, THOMAS H. (S'57-A'58), Jr. Engr., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va.
 SMITH, TILGHMAN C. (M'53), Radio Engr., U.S. Information Agency (Voice of America), Washington, D.C.
 SMITH, V. KEITH (S'56-M'57), Elec. Engr., Sandia Corp., Sandia Base, Albuquerque, N.M.
 SMITH, VERNON L. (SM'5B), 1027 Batavia Ave., Livermore, Calif.

- SMITH, VERNON M. (S'53-A'54), Project Engr., USAF, Wright-Patterson AFB, Ohio.
- SMITH, W. DAVID (S'56-A'56), 1216 W. Vine, Taylorville,
- III.

 SMITH, W. DAVIL (A'55), Asst. Sales Mgr., Driver-Harris Co., 201 Middlesex St., Harrison, N.J.

 SMITH, W. R. (A'52), Transmitter Engr., KFSD, Inc., Box 628, San Diego, Calif.

 SMITH, WALLACE T. (A'45-SM'52), Div. Supvr., Field Test Dept., Sandia Corp., Sandia Base, Albuouerque, N.M.

 SMITH, WALLER E. (A'45-M'55), Mgr. of Engrg., The Telertronics Co., 180 S. Main St., Ambler, Pa.

 SMITH, WALTER W. (A'45-M'55), Mgr. of Engrg., The Telertronics Co., 180 S. Main St., Ambler, Pa.

 SMITH, WALTER W. (A'45), Chief Engr., Gonset Div., Young Spring & Wire Corp., B01 S. Main St., Burbank, Calif.

 SMITH, WAYNE A. (S'56-M'58), Engr., Sprey, Mark Engro.

- SMITH, WAYNE A. (S'56-M'5B), Engr., Sperry Utah Engrg. Lab., 322 N. 21, W., Salt Lake City 16, Utah. SMITH, WENDELL R. (M'46), Tech. Officer, Meteorological Div., Dept. of Transport, 315 Bloor St., W., Toronto 5, Ont., Canada.

- DIV., Dept. of Transport, 3.15 Bloor St., W., Toronto S., Ont., Canada.

 SMITH, WILBERT B. (M'45-SM'59), Supt., Radio Regulations Engrg., Dept. of Transport, Ottawa, Ont., Canada.

 SMITH, WILBERT J. (A'56), Dev. Engr., American Electronics Labs., Inc., 121 N. 7 St., Philadelphia 23, Pa.

 SMITH, WILBUR K. (S'55-M'5B), Engr., Electronic Engrg. Co., 1601 E. Chestrott Ave., Santa Ana, Calif.

 SMITH, WILLIAM A. (S'4B-A'50-SM'55), Engrg. Sect. Head, Raytheon Mfg. Co., Spencer Lab., Burlington, Mass. SMITH, WILLIAM B. (M'56), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

 SMITH, WILLIAM B. (S'44-A'47-M'55), Engrg. Specialist, No. Amer. Aviation, Internatl. Airport, Inglewood, Calif. SMITH, WILLIAM C. (4'51-M'56), Prof., Elec. Engrg., U.S. Naval Postgraduate School, Monterey, Calif. SMITH, WILLIAM C. (4'53-M'57), Sect. Engr., Standard Tube Engrg., Canadian Westinghouse Co., Ltd., Aberdeen Ave., Hamilton, Ont., Canada.

 SMITH, WILLIAM C. (4'53-M'57), Sect. Engr., Standard Tube Engrg., Canadian Westinghouse Co., Ltd., Aberdeen Ave., Hamilton, Ont., Canada.

- Ave., Mamitton, Omt., Canada.
 SMITH, WILLIAM E. (A'53-M'5B), Sr. Engr., Curtiss-Wright Corp., 6767 Hollister Ave., Santa Barbara, Calif-SMITH, WILLIAM E., JR. (S'54-A'55), Design Engr., ARDE Associates, 75 Austin, Newark 2, N.J.
 SMITH, WILLIAM F., (M'57), Engr., Microwave Components, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SMITH, WILLIAM F., JR. (A'4B-M'55), Chief, Airways Tech. District Office, FAA, Stapleton Airfield, Denver, Colo.
 SMITH, WILLIAM F., JR. (A'56), Tech. Writer, GE Co., Syracuse, N.Y.
- Syracuse, N.Y.
 SMITH, WILLIAM I. (A'55), Mgr., Transmitter Engrg. Unit B, RCA, Moorestown, N.J.
- RCA, Moorestown, N.J.

 SMITH, WILLIAM J. (M'56), Test Engr., IBM, Poughkeepsie, N.Y.

 SMITH, WILLIAM J. (S'51-A'52-M'58), Engr., Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

 SMITH, WILLIAM J. (M'59), Jr. Engr., Canadian Marconi Co., 970 McEachran Outremont, Montreal, P.Q., Canada.

 SMITH, WILLIAM L. (A'42-SM'52), Radio Engr., U.S. Govt. Home: Spencerville, Md.

 SMITH, WILLSON R. (M'46), Engrg. Specialist, CBS-Hytron, Lowell, Mass.

 SMITH, WOLCOTT M. (4'31-5M'45), Electropics Engr. FAA

- Lowell , Mass.

 SMITH, WOLCOTT M. (A'31-SM'45), Electronics Engr. FAA, Washington 25, D.C.

 SMITH, WRAY (M'155), Staff Administrator, Willow Run Labs., Univ. of Michigan Box 200B, Ann Arbor, Mich. SMITH, ZEKE R. (A'43-M'55), V.P., Dir., Engrg., Potter & Brumfield Co., Inc., Princeton, Ind.

 SMITHANA, DON R. (5'50-A'51-M'56), Prod. Engr., J. G. Twist Co., 5232 W. Diversey, Chicaeo 39, Ill.

 SMITHBERG, STUART B. (M'58), Research Engr., The Natl. Cash Register Co., 1401 E. El Segundo Bivd., Hawthorne, Calif.
- Carr.
 SMITHEY, LINUAL D. (S'54-M'57), Cmdr., USNR, Electro los Warfare Officer, AEW Wing Pacific Staff, Navy #14, FPO, San Francisco, Calif.
 SMITHLINE, HERBERT (S'4B-A'50-M'55), Mgr., Quality Control, Airtron Div., Litton Industries, Inc., 200 E. Han-over Ave., Morris Plains, N.J.
- SMITH-ROSE, R. L. (SM'44-F'44), Dir., Dept. of Scientific & Industrial Research, Radio Research Sta., Ditton Park, Slough, Bucks., England.
 - SMITHSON, GERALD (SM'59), 9 Eugente Ter., Chelmsford,

- 385 -SMI-SOD

- SMITH-VANIZ, W. REID, JR. (A'48-M'55), Prince's Pine Rd., Norwalk, Conn.

 SMITLEY, CHARLES R. (A'55), Group Leader, Ordnance Research Lab., University Park, Pa.

 SMITTENAAR, GERARD H. (M'58), Electronics Engr., Litton Industries, Inc., 5009 Calvert Rd., College Park, Md.

 SMOCK, WALTER W. (M'56), Mgr., EDP Special Projects, RCA, Camden 3, N.J.

 SMOKLER, MELVINI. (S'49-A'51-M'57), Project Mgr., Librascope, Inc., 808 Western Ave., Glendale, Calif.

 SMOKO, JOHN F. (A'54), Electronic Maint. Officer, 19330 AACS Sgdn., AP0 864, New York, N.Y.

 SMOKORJOWSKI. LAWPENCE F. (M'58), 545 Markham St.
- 19-30 AACS 3091., APU 804, New York, N.Y.
 MOKOROWSKI, LAWRENCE F. (M'58), 545 Markham St.,
 Toronto 4, Ont., Canada.
 SMOLA, HAROLD (S'56-M'58), 2124-79 St., Brooklyn
 14, N.Y.
 SMOLAK, JOHN P. (S'56-A'58), 1775 Lanier Pl., N.W.,
 Washington 9, D.C.

- SMOLAK, JOHN P. (S'56-A'58), 1775 Lanier PI., N.W., Washington 9, D. C.
 SMOLAREK, ECWIN J. (A'56), Electronics Engr., Linde Co., Tonawanda Labs., 80x 44, Tonawanda, N.Y.
 SMOLEN, ALAN (M'54), Assoc. Lab. Dir., ITT Labs., Nutley 10, N.J.
 SMOLINSKI, ADAM K. (SM'58), Prof., Telecommunication Engrg. Dept., Technical Univ. of Warsaw, Politechnika, 75 Koszykowa, Warszawa, Poland.
 SMOLINSKI, WALTER J. (M'59), Asst. Prof., Elec. Engrg., Univ. of New Brunswick, Fredericton, N.S., Canada.
 SMOLL, ALLEN E. (M'49-SM'57), Stewart-Wamer Electronics, 1300 N. Kostner, Chicago 51, Ill.
 SMOLL, LEONARD A. (M'48), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
 SMOLLEN, JOSEPH W., Ill. (S'58-M'59), Jr. Design Engr., Hermetic Seal Transformer Co., Garland, Tex.
 SMOLLET, ROY J. (A'50), Sector Supt., Federal Electric Corp., Paramus, N.J.
 SMOLLETT, ROY J. (A'50-M'55), Electronic Scientist, U.S. Naval Ordnance Lab., White Oak, Silver Spring, Md.
 SMOOK, IRA R. (S'57-M'58), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 SMOOT, ARNOLD W. (M'54), Assoc. Elec. Engr., Underwitters Labs., Inc., 161 6 Ave., New York 11, N.Y.
 SMOOT, ROBERT L., JR. (S'52-A'54), Component Application Engr., Collins Radio Co., 1937 Irving Blvd., Dallas, Tex.
 SMOOT, WARREN L. (A'53), Design Engr., Westinghouse Elec. Corp., Box 740, Baltimore 3, Md.
- Danias, Tex.
 SMOOT, WARREN L. (A'53), Design Engr., Westinghouse Elec. Copr., Box 740, Baltimore 3, Md.
 SMOOTS, CHARLES W., JR. (S'56-M'57), Tech. Asst., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.
- SMOYER, CURTIS K. (M'57), Mgr., DP Customer Engrg., 18M, Poughkeepsie, N.Y.

- ISM, Poughkeepsie, N.Y.

 SMUCKLER, EDWARD J. (SM157), Project Mgr., RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.

 SMULIN, RUBIN (A'53-M'59), Field Engr., Hazeltine Corp., Little Neck 62, L.I., N.Y.

 SMULLIN, LOUIS D. (S'39-A'40-SM'51-F'57), Assoc. Prof., MIT, Cambridge 39, Mass.

 SMULLIN, WILLIAM B. (A'42), Pres., Redwood Broadcasting Co., Radio Center, 6 at E St., Eureka, Calif.; California Oregon Television, Medford, Ore.

 SMULOWICZ, BRONISLAW (S'50-A'53-SM'58), Staff Engr., Raytheon Mg. Co., Wayland, Mass.

 SMUTS, MICHIEL N. (A'40), Sunnyside Reibeck St., Worcester, C.P., South Africa.

 SMYE-RUMSBY, BERNARD A.A. (A'48-M'55), Mng. Dir., Smye-Rumsby, Ltd., 2 Queen St., Dover, Kent, England.

 SMYKOWSKI, CHESTER P. (S'48-A'50-M'56). Principal

- England.

 SMYKOWSKI, CHESTER P. (S'48-A'50-M'56), Principal Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 SMYLIE JOHN W. (M'59), Field Engr., Earl Lipscomb Associates, Box 7084, Dallas, Tex.

 SMYRNOS, GUS J. (S'56-M'57), Dev. Engr., Lenkur Electric Co., Inc., 1105 County Rd., San Carlos, Calif. SMYTH, FREDERICK J. (S'47-A'48-M'55), Patent Atty., 18M Corp., 425 13 St., N.W., Washington, D.C.

 SMYTH, H. ROSS (SM'48), Head, Navigational Aids Sect., Radio & Elec. Engrg., Div., Natl. Research Council, 8ldg., M50, Ottawa, Ont., Canada.

 SMYTH, JOHN 8. (SM'52-F'56). Pres. & Tach. Div.
- SMYTH, JOHN 8. (SM'52-F'56), Pres. & Tech. Dir., Smyth Research Associates, 3555 Aero Ct., San Diego 11, Calif.
- Calif.

 SMYTH LADDIE E. (A'58), Research Asst., Northrop Aircraft Corp., 1001 Broadway, Hawthorne, Calif.

 SMYTH, RICHARO K. (A'52-M'57), Supvr., Flight Controls, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 SMYTH, ROBERT R. (SM'59), Head, Electronics Dept., Technical Operations, Inc., Burlington, Mass.

 SMYTH, WILLIAM (A'52), Schoolmaster, Ballymena Academy, Ballymena County, Antrim, North Ireland.

 SMYTHE, OAVIO S. (S'56-A'58), Asst. Engrg. Writer, Ballymena 3, Md.

 SMYTHE, GEORGE R. (S155-MIEA).

- Baltimore 3, Md.
 SMYTHE, GEORGE R. (S'55-M'56), Elec. Engr., Remington Rand Univac, 2750 W. 7 Bivd., St. Paul 16, Minn.
 SMYTHE, ROBERT C. (M'58), Research Engr., Systems, Inc., 2326 Diversified Way, Orlando, Fla.
 SMYTON, SAMUEL A. (A'55), Measurement Engr., RCA, Camden, N.J.
 SNAOYC, ALBIN M. (A'44-M'55-SM'56), Supvg. Electronic Scientist, & Head, Electronic Assemblies, R.F., Non-Linear & Capacitive Components Sect., Material Lab.,

- Scientist, & Head, Electronic Assemblies, N.F., MonLinear & Capacitive Components Sect., Material Lab.,
 Code 934, New York Naval Shipvard, Brooklyn 1. N.Y.
 SNAPP, KENNETH M. (A'56), Engr., System Development
 Corp., 2500 Colorado, Santa Monica, Calif.
 SNAY, RAYMONO J. (S'56-M'59), Microwave Engr.,
 Raytheon Mig. Co., Wayland, Mass.
 SNEAD, CHARLES R. (S'55-M'57), Engr., Philco Corp.,
 4900 Wissahickon Ave., Philadelphia 44, Pa.
 SNEAD, JOE L., JR. (S'57-M'58), Flight Test Engr.,
 Convair, Ft. Worth, Tex.
 SNEAD, WILLIAM K. (S'54-A'56), Research Chemist,
 Columbia-Southern Chemical Corp., New Martinsville, W. Va.
 SNEDDON, JACK H. (M'55), Field Engr., Western Electric
 Co., Chatham Rd., Winston-Salem, N.C.
 SNEDEKER, DONNIE E. (S'57-M'59), 18 Constantine
 PI., Summit, N.J.
 SNEDEKER, E. KENNETH, JR. (S'54-M'57), Lt. jo.,
 USNR, Navy Oept., Bureau of Ships, Washington 25, D.C.

- SNEDEKER, M. L. (A'44-M'45-SM'53), Project Mgr., Electronics Div., Designers for Industry, 4241 Fulton Pkwy., Cleveland 9, Ohio.
 SNEDKERUD, OLE T. (A'57), Engr., Standard Telefon og Kabelfabrik A/S., Oslo, Norway.
 SNEE, FRANCIS J. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Los Angeles, Calif.
 SNEED, CLARENCE O. (S'57-M'58), Design Engr., Convair, Ft. Worth, 1ex.
 SNEED, JERRY D. (S'55-M'57), Electronics Engr., Temco Aircraft Corp., Box 6191, Dallas, Tex.
 SNEED, JOHN O. (M'58), Tech. Dir., Program Co-ordinator, Biscayne Research Associates, Box 455, Haleah, Fla.
 SNEESKY, EDWARD SO. (S'42-A'45-M'55), Industrial Sales SNEFSKY, EDWARD A. (S'42-A'45-M'55), Industrial Sales Agent, John O. Olsen Co., 104 Elatan Dr., Pittsburgh 16, Pa.
- SNEJDAR, VACLAV (M'57), Asst. Chief Engr., Research Institute of Radio Telecommunication, Novodvorska 994, Praha 15, Czechoslovakia.
- SNELL, CHARLES R. (A'57), Dir. of Communications & Radio Officer, Taunton Civil Defense, City Hall, Taunton, Mass.

- & Radlo Officer, Taunton Civil Defense, City Hall, Taunton, Mass.

 SNELL, CHARLES T. (S'55-M'57), Elec. Engr., National Co., Inc., 34 Essex St., Melrose 76, Mass.

 SNELL, HERBERT R. (M'51), Staff Asst., Nuclear Electronics Dept., Hughes Aircraft Co., Culver City, Cailf.

 SNELL, JACK W. (S'58-A'59), ITT Federal Labs., 3200 Wayne Trace, Ft. Wayne, Ind.

 SNELL, JAMES L. (M'57), Contract Planning Engr., Cooper Development Corp., 2626 Peck Rd., Monrovia, Cailf.

 SNELL, PHILIP A. (A'39-VA'39-M'48), Dev. Engr., C8S Labs., 227 High Ridge Rd., Stamford, Conn.

 SNELLING, ELROY A. (M'57), Engr., Project Engr., C8S Labs., 227 High Ridge Rd., Stamford, Conn.

 SNELLING, HENRY F. (M'57), Engr., Melpar, Inc., Corvey Div., 2610 Jefferson Davis Hwy., Alexandria, Va.

 SNETHEN, JAMES A. (A'56), Electronics Engr., FAA, Aeronaudical Center, Oklahoma City, Okla.

 SNICK, JOHN A. (M'57), Jr. Engr., Hallicrafters, 4401 W.

 SANDER, RAY C. (S'56-M'56), Dev. Engr., Airesearch Mfg.

- 5 Ave., Chicago 24, IIÍ.

 SNIDER, RAY C. (S'56-M'56), Dev. Engr., Airesearch Mfg. Co., 9851 So. Sepulveda, Los Angeles 45, Calif.

 SNIEDZE, OJARS A. (A'59), 6 Shaftesbury Rd., Bridlington, Yorkshire, England.

 SNIPES, ROBERT W. (A'54), Mgr., Electronic Dept., Engrg. Supply Co., 6000 Denton Dr., Dallas 35, Tex.

 SNIPES, W. CARMON (S'54-A'55), Evaluation Engr., Minneapolis-Honeywell Regulator Co., St. Petersburg, Fla.

 SNITKE, JANIS A. (A'57), Electronics Engr., GE Co., Syracuse, N.Y.

- Swacuse, N.Y.
 SNITZER, MILTON S. (M'56), Tech. Editor, Radio & TV
 News Magazine, 1 Park Ave., New York, N.Y.
 SNITZER, T. LOUIS (A'53-M'58), Pres., T. Louis Snitzer,
 Co., 5554 W. Pico 8104, Los Angeles 19, Calif.
 SNODDY, RAYMOND E. (A'42-M'56), Electronics Field
 Service Eng., Westinghouse Elec. Corp., 410 8ush St.,
 San Francisco 8, Calif.
 SNODGRASS, DOMALD D. (M'52), Mar. Both A.C.

- Service Engr., Westinghouse Elec. Corp., 410 Bush St., San Francisco 8, Calif.

 SNODGRASS, DONALD D. (M'54), Mgr., Purch. & Supply, United Geophysical Corp., Box M., Pasadena, Calif.

 SNOKE, CHARLES E., JR. (SM'56), Asst. Head, Systems Analysis Div., U. S., Naval Ordnance Lab., Corona, Calif.

 SNOW, CHARLES E. (A'50-M'54), Engr., Genl. Radio Co., 1150 York Rd., Abington, Pa.

 SNOW, CHARLES E. (A'50-M'56), Mfrs. Rep., C.E. Snow Co., 8218 Wisconsin Ave., Bethesda, Md.

 SNOW, CHESTER A., JR. (S'47-A'49-M'55), Chief Engr., Gray Mfg. Co., Arbor St., Hartford, Conn.

 SNOW, HAROLD A. (A'24-VA'39-M'55-F'56), Sr. Project Engr., 17T Labs., Nutley 10, N.J.

 SNOW, ROBERT 8. (S'50-A'52-M'57), Field Engr., Schlumberger Well SurveyIng Corp., 300 N. Ventura Ave., Ventura, Calif.

 SNOW, ROBERT F. (A'56), Sales Engr., C. E. Snow Co., 8218 Wisconsin Ave., Bethesda, Md.

 SNOW, SAUL D. (A'54), Type Test Engr., Raytheon Mfg. Co., Hartwell Rd., Bedford, Mass.

 SNOW, VICTOR M. (A'48-M'55), Test Electronics Engr., Hudnes Aircraft Co., Culver City, Calif.

 SNOW, WILLIAM 8. (A'26-VA'39-SM'50), Consulting Engr., 1011 Georgian Ave., Santa Monica, Calif.

 SNOWBERGER, ARTHUR A. (M'57), Partner, Page, Creutz, Steel & Waldschmitt, 1413 K St., N.W., Washington 5, C.

 SNOWDEN, JACK (A'45-M'55), Sta. Mgr., Rediffusion (Malaya), Ltd., Penang, 1 Kaw Sim Bee Rd., Penang, Ind.
- maiaya.

 SNOWDEN, JACK L. (M'59), Jr. Electronics Engr., Delco
 Remy Oliv., GMC, 2401 Columbus Ave., Anderson, Ind.

 SNOWDON, ALBERT C. (S'51-A'52-M'55), Dev. Research
 Engr., Cutler Hammer, Inc., 315 N. 12 St., Milwaukee 1,
 Wis.
- wvis.

 SNOWDON, ARTHUR E. (SM'56), Asst. Chief Engr., The
 Superior Electric Co., Bristol, Conn.

 SNOWOON, GLEN R. (5'53-M'55), Grade I Engr., Canadian
 Natl. Telegraphs, 151 Front St., W., Toronto, Ont.,
 Canada.
- SNOWDON, THOMAS L. (SM'52), Mgr., Electronics Dev., Speer Carbon Co., St. Mary's, Pa.
 SNOWMAN, LAWRENCE R. (M'58), Instr., Univ. of Vermont, Burlington, Vt.

- SNOWMAN, LAWRENCE R. (M/58), Instr., Univ. of Vermont, Burlington, Vt.

 SNYDER, A. ROBERT (A/57), Owner, A. Robert Snyder Co., 41 E. 1st St., Oayton 2, Ohio.

 SNYDER, CHARLES K. (S/57-M/59), Electronics Engr., Kalser Aircraft & Electronics Lab., Palo Alto. Calif.

 SNYDER, CHARLES M. (A/55), Engr., Allen-Bradley Co., 235 Fairfield Ave., Upper Darby, Pa.

 SNYDER, CHRISTOPHER L. (A/40-SM/54), V.P., Dir., Genl. Ceramics Corp., 21 Crow's Mill Rd., Keasbey, N.J.

 SNYDER, DANIEL C. (S/56-M/58), Jr. Engr., Barkley & Dexter Labs., Inc., 50 Frankfort St., Fitchburg, Mass.

 SNYDER, DAVID A. (S/57-M/58), Jr. Engr., Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Alm., Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 12, Calif.

 SNYDER, DONALD R. (M/54), Service Engr., Convair-Astronautics, San Diego 12, Calif.

 SNYDER, DONALD R. (S/56-A/58), Engr., Electrovoice, Inc., Cecil & Carol Sts., Buchanan, Mich.

 SNYDER, EDWIN C., JR. (S/54-M/56), Mem. Tech. Staff, Bell Tel. Labs., Whippeny, N.J.

 SNYDER, EDWIN H. (A/40-M/55), Sr., Project Engr., Naval Research Lab., Washington 25. D. C.

- SNYDER, EUGENE F. (A'54), Engr., Physicist, Mast Development Co., 2212 E. 12 St., Davenport, Iowa. SNYDER, FRANK R. (S'55-M'56), Prod. Design Engr., GE Co., Owensboro, Kv.
 SNYDER, GRAVES H. (S'33-A'36-M'55), Col. USAF, Prof., Air Science, AFROTC Det. #490, Newark College of Engrg., 323 High St., Newark 2, N.J.
 SNYDER, HARROLD Z. (SM'58), Project Engr., Components Evaluation & Reliability, Electronic Communications, Inc., 1501 72 St., N., St., Petersburg, Fla.
 SNYDER, HARRY D. (A'56), Sr. Electrician, 664th AC & W Sadn., Bellefontaine, Ohio.
 SNYDER, JACK E. (S'56-M'58), Assoc. Engr., I8M, Pountheensie, N. Y.
 SNYDER, JAMES F. (M'58), Systems Engr., Hughes Aircraft Co., Cniver City, Cnlif.
 SNYDER, JOHE B. (S'54-M'57), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 SNYDER, JOHN D. (A'58), Broadcast Engr., May Broadcasting Co., 2615 Farnam St., Omaha, Neb.
 SNYDER, JOSEPH S. (A'56), Procurement Officer, Dept. of Natl. Defence, Air Materiel Command Hors., Ottawa, Ont., Canada.

- SNYDER, LESTER J. (A'57), Assoc. Engr., Martin Co.,
- WIANDO, FIA.
 SYNDER, LUKE G, (S'55-A'57), Staff Asst., Sandia
 Corp., Sandia Base, Albuquerque, N.M.
 SYNDER, NORMAN (M'43-SM'43), Chief Telecommunications Advisor, USOM/Iran, USOM/I, APO 205, New York,
 N.Y.

- SNYDER, PAUL O. (S'52-A'54), Research Engr., Boeing Airplane Co., Seattle, Wash. SNYDER, RALPH W. (S'56-M'58), Jr. Electronics Engr., Pacific Automation Prods., Inc., 1000 Air Way, Glendale, Calif.
- SNYDER, RICHARD E. (M'57), Engr., Collins Radio Co.,
- SMYDER, RICHARD E. (M'57), Engr., Collins Radio Co., Cedar Rapids, lowa. SNYDER, RICHARD F. (SM'54), Patent Licensing, Com-mercial Dept., RCA, 30 Rockefeller Plaza, New York 20, N.Y.
- N.Y. SNYDER, RICHARD L. (M'46-SM'53), Consulting Engr., 270 Linden St., Moorestown, N.J. SNYDER, ROBERT J. (S'50-A'52), Customer Engr. Mgr., Simplex Time Recorder Co., 3035 Main St., Columbia 1,
- S.C. SNYDER, ROBERT L. (S'50-A'52-M'55-SM'58), Project Engr., Electronic Engrg. Co. of California, 1601 E. Chest-nut, Santa Ana, Calif.

- mit, Santa Ana, Calif.

 SNYDER, ROBERT L. (M'57), Project Engr., Systems Planning, Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 SNYDER, ROBERT M. (A'51-M'56), Research Physicist, Hughes Aircraft Co., Fullerton, Calif.

 SNYDER, ROYD, J.R. (S'56-M'59), Project Officer, USN, Air Development Sqdn. 1, Naval Air Sta., Key West, Fla.

 SNYDER, SAMUEL J. (M'58), Patent Atty., Moses, Nolte & Nolte, 11 W. 42 St., New York, N.Y.

 SNYDER, SAMUEL S. (A'53-SM'58), Research Analyst, Natl. Security Agency, Ft. Meade, Md.

 SNYDER, VERNE D. (M'54), Chemist, Sylvania Elec.

- Natl, Security Agency, Ft. Meade, Md.
 SNYDER, VERNE D. (M'54), Chemist, Sylvania Elec.
 Prods., Inc., Emporium, Pa.
 SNYDER, VINCENT A. (A'54), Pres., V. A. Snyder Co., Inc., 2165 Morris Ave., Union, N. J.
 SNYDER, W. GILMAN (A'22-M'55), Fres., The Western Telephone Co., 8akersfield, Calli.
 SNYDER, WILBERT F. (SM'58), Physicist, Asst. Chief, Electronic Calibration Center, Natl. Bureau of Standards, Boulder, Colo.
- SNYDER, WILLIAM (S'41-A'45-M'55), Electronics Systems Dept. Mgr., Advanced Technology Labs., 369 Whisman Rd., Mountain View, Calif.
- SNYDER, WILLIAM A. (M'53-SM'58), Mem. Tech. Staff, Systems Labs. Corp., 14852 Ventura Blvd., Sherman Oaks, Calif.
- SNYDER, WILLIS W. (A'44-M'48-SM'54), Sect. Head, Sylvania Elec. Prods., Inc., 1100 Wehrle, Buffalo 21, N.Y.
- N.Y.
 SNYKERS, ALFRED 8. (M'57), Research Engr., Autonetics
 Div., No. Amer. Aviation, Downey, Calif.
 SOANES, SIDNEY V. (S'44-A'51-M'56), Head, Semiconductor Sect., Fernarti-Packard Electric, Ltd., Industry St.,
 Toronto 15, Ont., Canada.

- Toronto 15, Ont., Canada.

 SOARES, MINTO L. (M'59), Jr. Elec. Engr., ITT Labs., Nuzley 10, N.J.

 SOBEL, ALAN (S'45-A'50-SM'56), Fellow, Polytechnic institute of Brooklyn 333 Jay St., Brooklyn 1, N.Y.

 SOBEL, HERBERT S. (S'58-M'59), Elec. Engr., Raytheon Mfg. Co., Waltham 54, Mass.

 SOBEL, ILYITCH J. (S'47-A'54), Research Engr., Sonotione Coro., Elmsford, N.Y.

 SOBER, VERDELL (M'55), Electronics Engr., Oklahoma City Air Material Area, Tinker AF8, Okla.

 SOBOL, ERWIN J. (A'57), Engr.-in-Chg., Computers, George Washington Univ., 707 22 St., N.W., Washington, D.C.

 SOBOL, JACK (M'57), Production Mar., Consolidated
- SOBOLE, JACK (M'57), Production Mgr., Consolidated Avionics Corp., 800 Shames Dr., Westbury, L.J., N.Y. SOBOLAK, STANLEY J. (S'55-M'57), Engr., Vickers, Inc., 1400 Oakman Bivd., Detroit, Mich. SOBOLESKI, WALTER P. (S'52-A'53-M'58), Staff Project Engr., Waldorf Electronics Co., Wolf Hill Rd., Huntington Sta., L.J., N.Y.
- SOBOLEV, MIKHAIL A. (A'56), Ministry of Radio Industry, Kitaiskiy Pzoesd 7, Moscow, U.S.S.R.
- SOBOLEWSKI, FRANK (S'50-A'51-M'58), Systems Project Leader, RCA, Moorestown, N. J. SOBOTKA, HAROLD J. (A'53), Asst. Chief Inspector, Emerson Electric Mfg. Co., 8100 Florissant Ave., St.

- Louis, Mo.

 SCHET, EZRA (A'57), Chief Technician, Sky-View Electronics, 580 Broadway, New York, N.Y.

 SODANO, RONALD D. (S'56-A'57), Field Engr., IBM, 590 Madison Ave., New York 22, N.Y.

 SODARO, JOSEPH A. (A'53), Asst. Engr., Lehigh Engrg. Associates, 295 Plane St., Newark, N.J.

 SODARO, JOSEPH F. (S'38-A'39-SM'52), Owner, Sodaro Co., 9400 Culver Blvd., Culver City, Calif.

 SODERHOLM, LEO H. (S'49-A'50-M'55), Purchasing Agent, Leuck Radio Supply, Lincoln, Neb.

- SODERMAN, ROBERT A. (S'41-A'44-M'45-SM'46), Dev. Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.
- Mass.
 SODE RQUIST, RUSSELL K. (S'49-A'51-M'57), V.P.,
 Industrial Tubes, Inc., 321 Stevens St., Geneva, III.
 SODE RSTROM, HARRY W. (M'50), Oept. Head, Stanford
 Univ., W. Hansen Lab., Stanford, Calif.
 SODE RSTROM, ROLF E. (S'54-A'55), Instrumentation
 Engr., Foxboro, Co., Foxboro, Mass.
 SODE RSTRUM, JOHN C. (S'50-A'53-SM'56), Asst. to
 Plant Mgr., Eitel-McCullough, Inc., 798 San Mateo Ave.,
 San Bruno, Calif.

- San Bruno, Calif.

 SODDMSKY, KENNETH F. (S'55-M'56), Instr., Elec.
 Engrg. Dept., Univ. of British Columbia, Vancouver 8,
 B.C., Canada.

 SCELLER, A. LEONARD, JR. (S'54-M'56), Engr., Guide
 Lamp Div., GMC, Pendleton Ave., Anderson, Ind.

 SOERHOFF, ROBERT A. (A'5B), Red Bank Div., Bendix

 Aviation Corp., 1900 Hulman Bldg., Dayton 2, Ohio.

 SOFEN, IRVING A. (S'48-A'52-M'58), Leader, Design &
 Dev. Engrs., RCA, 11819 W. Olympic Blvd., Los Angeles
 64, Calif.

 SOCN LEI AND T. (6'52-M'57). Chief. Coutal Forces.
- SOGN, LELAND T. (A'52-M'57), Chief, Crystal Engrg. Branch, Dayton Air Force Depot, Gentile Air Force Sta., Wilmington Pike 10, Ohio
- Wilmington Piet O, Unio SOHL, LOWELL H. (S'53-M'56), Pres., Lincoln Research Lab., 2215 S. 70 St., Lincoln, Neb SOHLER, JEROME F. (A'55-M'56), Sr. Engr., Canoga Div., Underwood Corp., 15330 Oxnard St., Van Nuys, Div., Calif
- SOHLGREN, CARL E. (M'54), Project Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif. SOHMER, ROBERT G. (M'59), Dev. Engr., Burroughs Corp., Paoli, Pa.

- SUMMER, ROBERT G. (M'59), Dev. Engr., Burroughs Corp., Paoli, Pa.
 SOHNE, GERALD C. (S'49-A'50), Pres., GCS Electronics Co., 147-20 Northern Blvd., Flushing 54, L.I., N.Y.
 SOHON, HARRY (A'28-VA'39-SM'50), Assoc. Prof., Elec. Engrg., Univ. of Pennsylvania, Philadelohia 4, Pa.
 SOIFERT, MORRIS L. (M'56), Project Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, Ill.
 SOJA, MATTHEW (M'52-SM'58), Engra. Sect. Mgr., Westinghouse Elec. Corp., Radio-TV Div., Metuchen, N.J.
 SOKAL, NATHAN O. (S'50-A'51-M'56-SM'56), Sr. Engr., Ol/AN Controls, Inc., 40 Leon St., Boston 15, Mass.
 SOKOL, ANGELO, JR. (S'49-A'52-M'58), Design Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 SOKOL, GEORGE M. (A'50-M'55-SM'57), Mgr., Digital Computer Dev., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
 SOKOL, JERRY L. (M'58), Elec. Engr., Hughes Aircraft

- Mass.

 SOKOL, JERRY L. (M'58), Elec. Engr., Hughes Aircraft
 Co., Culver City, Calif.

 SOKOL, LOUIS L. (A'50-M'59), Project Engr., Consolidated
 Avionics Corp., 800 Shames Dr., Westbury, L.I., N.Y.

 SOKOL, STANLEY (M'58), Engr., Ford Instrument Co.,
 31-10 Thomson Ave., Long Island City, N.Y.

 SOKOL, SYLVAN (A'51), Engr., Automatic Mfg. Corp.,
 65 Gouverneur St., Newark, N. J.

 SOKOLOFF, 80RIS A. (A'55), Engr., Compagnie Francalse
 Thomson-Houston, 19 Rue de La Fontaine, Bagneux, Seine,
 France.

- SOKOLOFF, PAUL W. (S'39-A'40-M'44-SM'47), Sr. Project Engr., Motorola, Inc., 3102 N. Ingleside, Phoenix, Ariz.

- Ject Engr., Motorola, Inc., 3102 N. Ingleside, Phoenix, Ariz.

 SOKOLOV, DAVID A. (M'54), Mgr., Special Tube Operations, C8S-Hytron, 100 Endicott St., Oanvers, Mass.

 SOKOLOV, JURI (A'54), TV Engr., Zenith Radio Corp., 6001
 Dickens Ave., Chicago 39, III.
 SOKOLOVE, MATTHEW G. (S'56-M'59), Electronics Engr., Sylvania Elec. Prods. Co., Inc., Needham, Mass.
 SOKOLOWSKI, EDWARD M. (A'58), Pres., Keystone Prods. Co., 904 23 St., Union City, N.J.

 SOKOLOWSKI, EDWARD M. (A'58), Pres., Keystone Prods. Co., 904 23 St., Union City, N.J.

 SOLANO, JOSEPH (M'56), Mfg. Engr., National Co. Inc., 61 Sheman St., Malden, Mass.

 SOLAR, LLOYD N. (S'56-M'57), Asst. Elec. Engr., Equipment, C.N.R., 407 MGGIII, Montreal, P.Q., Canada.

 SOLBRIG, ARTHUR L. (A'57), Electronics Engr., Grumman Aircraft Engre. Co., Bethpage, L.I., N.Y.

 SOLO, UZI (M'59), 120 8I. Malesherbes, Paris 17, France.

 SOLDANEJS, GERASIMOS P. (M'54), Dir., Communications-Electronics School (R.H.A,F.), Royal Hellenic Air Force 35 Vasilissis Solias St., Athens, Agia Paraskevi, Attica, Greece, Solloers, P., GUNNAR (A'51), Research Engr., Svenska AB Gasaccumulator, Lidingo, Sweden.

 SOLDWEDEL, HOWARD T. (SM'56), Engra. Sect. Mgr., Electronic Communications, Inc., 1501 72 St., N., St. Petersburg, Fla.

- Electronic Communications, Inc., 1501–72 St., N., St. Petersbury, Fla.

 SOLE, ALBERTR. (A'58), Jr. Designer, Goodyear Aircraft Corp., 1210 Massilion Rd., Akron 15, Ohio.

 SOLEK, LEDN R. (S'57-M'59), Prod. Engr., Weston Instruments Corp., 614 Fre linguysen Ave., Newark, N.J.

 SOLEM, NOBERT J. (M'55), Project Leader, Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 SOLER, ANTON (M'57), Electronic Scientist, Oiamond Ordnance Fuze Labs., Washington 25, D.C.

 SOLETA, GERALD S. (M'56), Engr., Bendjx Prods. Div., Missiles, 400 S. Beiger St., Mishawaka, Ind.

 SOLFERINO, TONY A. (S'48-M'51-M'57), Aeronautical Research Engr., (S-13, PMR U. S. Naval Missile Center, Systems Dent., Point Mugu, Calif.

 SOLIE, ARTHUR J. (A'56), Electronics Engr., "A", Rheem Mfg. Co., Defense & Tech. Prods. Div., 9236 E. Hall Rd., Downey, Calif.

 SOLINS, RIVA (M'56), V.P., in Chg. Sales, A.P.M. Sales Corp., 252 Hawthome Ave., Yonkers, N.Y.

 SOLIOZY, CHARLES S. (S'50-A'51-M'56), Head, Instrumentation Branch, USN Underwater Ordnance Sta., Newport, R.I.
- SOLLA, ANTHONY F. (M'57), Elec. Engr. "A," Packard Bell Electronics Corp., 12333 W. Olympic Blvd., Los Ange-les 64, Calif. SOLLARS, RAY C. (A'43-M'53), Sr. Research Engr., The Fluor Corp., Ltd., 2500 S. Atlantic Blvd., Los Angeles 22, Calif.
- SOLLENBERGER, TALMAGE E. (SM'54), Dir., Research, Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif.
- SOLLEY, JERALO O. (M'55), Sr. Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27, Md.

- SOLLEY, JOHN C. (S'54-M'57), Assoc. Engr., Airbome Electronics, Missiles Engrg., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif. SOLLEY, STANLEY W. (S49-A'51), Supvr., Chrysler Corp., Missile Div., Detroit, Mich. SOLLE, SIGURD A. (SM'40), Asst. Chief Engr., Stromberg Time Corp., Thomaston, Conn. SOLLOCK, LOUIS (A'53), Sales Engr., Radio Electronics Parts Corp., 3235 Prospect, Cleveland 15, Ohio. SOLMS, STANFORD J. (M'57), Assoc. Research Scinetist, New York Univ., Research Div., University Hqts., New York SJ, N.Y.
- SOLODIUK, ALEXANDER (S'51-M'57), Electronics Scientist Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.
- Mass.
 SOLOMON, AARON N. (A'55), Pres., Ace Electronics Associates, Inc., 99 Dover St., Somerville 44. Mass.
 SOLOMON, ARTHUR H. (M'58), Mem. Tech. Staff, RCA Labs., Princeton, N.J.
 SOLOMON, BEREL O. (S'52-A'53), Electronics Engr., Computer Equipment Corp., 1931 Pontius Ave., West Los Angeles 25, Calif.

- 25, Calif.
 SOLOMON, HARRY (A156), Engr., Elec., Paul P. Kopf & Associates, 1321 Arch St., Philadelphia 7, Pa.
 SOLOMON, JULIUS L. (SM*52), Research Dir., Sciaky Bros., Inc., 4915 W. 67 St., Chicago 38, Ill.
 SOLOMON, KARL (S'49-A*51-M*58), Project Engr., Kearfott Co., Inc., 1500 Main Ave., Clifton, N.J.
 SOLOMON, KARL (S'47-A*51-M*56), Engrg. Leader, Airborne Systems Dept., Defense Electronic Prods., RCA, Canden, N. J.
- SOLOMON, KENNETH E. (S'57-A'57), Technician, U.S. Atomic Energy Commission, 95 & Troost Sts., Kansas City,
- Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.

- 72, N.Y.
 SOLOMON, PHILIP S. (A'51-SM'57), Sr. Engr., Santa
 Barbara Div., Curtis-Wright Corp., 6767 Hollister Ave.,
 Goleta, Calif.
 SOLOMON, ROBERT M. (S'56-M'57), Engr., ITT Labs.,
 3702 E. Pontiac, Ft. Wayne, Ind.
 SOLOMON, SALIM S. (S'49-A'55), Sr. Research Engr.,
 American Standard, 1650 Broadway, Redwood City, Calif.
 SOLOMON, SAUL (SM'57), Group Leader, RCA, Camden,
 N.J.
- N.J. SOLOMON, SIONEY S. (M'57), High Fidelety Prod. Mgr., Allied Radio Corp., 100 N. Western Ave., Chicago 80, III.
- SOLOMON, STANLEY M. (A'52-M'57), Elec. Engr., 8600 Blvd. East, North Bergen, N.J. SOLOMONOFF, RAYMOND J. (A'52-M'57), Chief Scientist, Artificial Intelligence Research, Zator Co., 140 1/2 Mt. Auburn, Cambridge 38, Mass.
- SOLOW, BEN (M'58), Mgr., Internatl. Resistance Co., West Coast Engrg. Lab., 1136 N. La Brea, Hollywood 38, Calif.

- 38, Calif.

 SOLOW, MAX (M'53), Physicist, U.S. Naval Ordnance Lab., Silver Spring 10, Md.

 SOLSNES, LEIF B. L. (A'58), Assoc. Engr., Westinghouse Elec. Corp., 80x 2025, 8uffalo 5, N.Y.

 SOLT, HAROLD B. (M'50), Elec. Engr., W. L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

 SOLTAU, RICHARD H. (S'50-A'51-M'57), Project Engr., Lansdale Tube Company, Church Rd., Lansdale, Pa., SOLTES, AARON S. (S'45-A'47-M'55), Systems Mgr., Raytheon Mfg. Co., Wayland, Mass.

 SOLTESZ, ATTILA (S'56-M'58), Engr., Bell Tel. Labs., Whippany, N.J.

- Whippany, N.J.

 SOLTESZ, EDWARD S. (A'49-M'56), Supvr., Convair, San Diego, Calif.

 SOLTIFF, BERTRAM M. (M'59), Engr., Philoc Corp., C. & Tioga Sts., Philadelphia, Pa.

 SOLTWEDGEL, EDWARD B. (SM'58), Engr., The Rand Corp., 1700 Main St., Santa Monica, Calif.

 SOLTYS, GENE H. (A'48), Dir., Soltys Associates, 5481 Santa Monica Bivd., Los Angeles 29, Calif.

 SOLZBERG, SIDNEY (S'42-A'45-M'55), Design Engr., Freed Transformer Co., 1718 Weiffield St., Ridgewood, Brooklyn 27, N.Y.

 SOMA, RAYMONO (S'52-A'53-M'54), Elozymica Engr.
- SOMA, RAYMONO (S'52-A'53-M'56), Electronics Engr., Cook Research Labs., 6401 W. Oakton St., Morton Grove, III.
- SOMAN, ROBERT O. (M'57), V.P., 8revel Prods. Corp., 601 W. 26 St., New York J. N.Y. SOMERMEYER, HERBERT F. (A'53-M'58), Patent Atty., Carlsen & Hazle, 417 Plymouth 8ldg., Minneapolis 3, Minn.

- Minn.

 SOMEROSKI, FRANCIS W. (S'58-M'59), Research Engr., No. Amer. Aviation, Columbus, Ohio.

 SOMERS, BROCK A. (A'29-VA'39-M'55), Consulting Engr., Westover Rd., Simsbury, Conn.,

 SOMERS, DWIGHT L. (A'51-M'56), Mech. Supt., Somers Brass Co., Inc., 94 Baidwin Ave., Waterbury 20, Conn.

 SOMERS, FRANK J. (A'34-SM'46), Tech. Maint. Supvr., NBC, 3200 W. Olive Ave., Burbank, Calif.

 SOMERS, HOWARD (A'54), Scientific Officer, Canadian Armament Research & Development Est., Box 1427, Quebec, P.Q., Canada.

 SOMERS, LEONARD (S'46-A'51-M'56), Sr. Scientist, Mathematics, Avco Mfg. Corp., 201 Lowell St., Wilmington, Mass.
- Mathematic ton, Mass.
- SOMERS, LEWIS E. (S'54-M'56), Engr., GE Co., Syracuse, N.Y. SOMERS, RICHARO M. (A'42-M'42-SM'43), Oir., Engrg., Bendix Aviation Corp., 95 & Troost Sts., Kansas City 41, Mo.
- MO.

 SOMERSET, ROBERT O. (S'55-M'57), Instrumentation
 Engr., Vitro Corp. of America, Eglin AFB, Fla

 SOMERSET, SHERMAN J. (M'57), Gremar Mfg. Co., Inc.,
 7 North Ave., Wakefield, Mass.
 SOMERVILLE, ALEXANOER (S'43-A'45-M'55), Supvr.,
 Isotope Lab., GMC Research Labs., Warren, Mich.

 SOMERVILLE, JOHN R., JR. (S'48-A'49-M'55), Mgr.,
 Advanced Apolication Engrg., Receiving Tube Oept., GE
 Co., 31.6 E. 9 St., Owensboro, Ky.
 SOMERVILLE, T. (A'42-SM'47), Head, Electro-Acoustics
 Group, British Broadcasting Corp., Research Oept., Kingswood Warren, Tadworth, Surrey, England.
 SOMES, GEORGE W. (A'55), Electronics Technician, Sound,
 USN Electronics Lab., San Oiego 52, Calif.

- SOMEYA, ISAO (M'57), Chief of Radio Dev. Sect., Elec. Communication Lab., Nippon Telephone & Telegraph Public Corp., 1551 Kichijoji Musashinoshi, Tokyo, Japan.
- SOMMER, ALFRED H. (SM'54), Research Engr., RCA, Princeton, N.J.

- Princeton, N.J.

 SOMMER, ELIOT I. (M'57), Staff Engr., Genl. Precision Labs., Pleasantville, N.Y.

 SOMMER, EMITT H., JR. (M'55), Project Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 SOMMER, HELMUT (S'49-A'50-M'58), Research Prof., Univ. of Florida, Gainesville, Fla.

 SOMMER, JEROME G. (S'51-A'52-M'57), Electronics Engr., Hughes Alreraft Co., Culver City, Calif.

 SOMMER, JOHN G., JR. (A'52-M'56), Electronics Systems Engr., Dept. of Defense, NSAEUR, APO 757, New York, N.Y.
- SOMMER, RICHARD A. (A'53-M'56), Dev. Engr., Tocco Div., The Ohio Crankshaft Co., 3800 Harvard Ave., Cleveland 1, Ohio.
- SOMMER, ROSERT J. (A'57), Quality Specialist, Willough-by Quartz Plant, GE Co., Euclid Ave. & Campbell, Willough-by, Ohio.

- by, Ohio.

 SOMMER, WILLIAM G. (S'53-A'54-S'54-M'56), Systems Engr., RCA, Moorestown, N.J.

 SOMMERIA, MARCEL R. (A'56), Research Engr., Sciaky 8ros., Inc., 4915 W. 67 St., Chicago, III.

 SOMMERMEYER, OSCAR R. (A'56), Owner, Chief Engr., Sommermeyer Electronics, 128 Main Ave.. Passaic, N.J.
 SOMMERS, CARL E. (A'49-M'58), Research Asst., Hughes Aircraft Co., Culver City, Calif.
- SOMMERS, DONALD J. (A'54), Advanced Dev. Engr., Microwave Dept., Sylvania Elec. Prods., Co., Waltham Microwave 54, Mass
- 54, Mass.

 SOMMERVILLE, DUNCAN I. (A '54), Mathematician, Midwest Research Institute, 425 Volker, Kansas City, Mo.

 SONDEEN, PHILLIP (S '51-A '51-M '56), Components Engr., Bendix Systems Oiv., Ann Arbor, Mich.

 SONOER, ERNEST (A '59), Production Supvr., Emerson Radio & Phonograph Corp., M & Coles Sts., Jersey City 2, N.J.

 SONES, WILLIAM K. (M '57), Engr., Westinghouse Elec.

 Corp., Box 746, Baltimore 3, Md.
- Corp., Box 746, Baltimore 3, Md.
 SONCAYLLO, ALEXANDER, JR. (A'50-M'55), Supvr.,
 Reliability Assurance Group., Chance-Vought Aircraft, Inc.,
 Oallas 1, Tex.
 SONGSTER, GERARO F. (S'50-A'52-M'57), Instr., Drexel
 Institute of Technology, 32 & Chestnut Sts., Philadelphia 4,

- Pa.

 SONIAT, A. E., JR. (S'50-A'54-M'58), Sr. Aerophysics Engr., Convair, Ft. Worth, Tex.

 SONKIN, DAVID (J'18-A'18-M'23-SM'43), Owner, Oavid Sonkin Associates, 10 Fiske Pl., Mt. Vernon, N.Y.

 SONKIN, RONALO M. (S'57-M'59), Jr. Microwave Engr., 1TT Labs., Nutley 10, N.J.

 SONKIN, SIMON (M'49-SM'55), Prof., Microwave Lab., Stanford Univ., Stanford, Calif.

 SONNABEND, JOEL S. (S'49-A'52-M'58), Production Engr., Raytheon Mfg. Co., Maynard, Mass.

 SONNAMSTINE, EDGAR H., JR. (A'52), Project Engr., Elec. Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio.
- Ohio.

 SONNENBERG, ROBERT E. (S'53-M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 SONNENFELO, SIGMUND H. (A'57), Engr., Landssimi Islands Icelandic Post & Telegraph, Reykiavik, Iceland.

 SONNENFELDT, RICHARD W. (SM'53), Mgr., Digital Control Systems, RCA, Camden 2, N.J.

 SONNENSCHEIN, ABRAHAM H. (S'47-A'49-M'55-SM'57), Chief Systems Engr., Polarad Electronics Corp., 43-20
 34 St., Long Island City 1, N.Y.

 SONNTAG, LOUIS (S'54-M'56), Engr., New York Telephone Co., 88-08 164 St., Jamaica 322, L.I., N.Y.

 SONNTAG, WILLIAM A. (S'48-A'48-M'52), Engr., RCA, Camden, N.J.

- Camden, N.J.
 SONSKY, SIDNEY N. (M'58), Elec. Engr., Polaroid Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.
 SONSTEGARD, ALTON M. (A'57), Tech. Operations Dir., OCS/Plans & Operations, Wright Air Development Center, Wright-Patterson AFB, Ohio.
- OC. 2/ Plans & Uperations, Wright Air Development Center, Wright—Patterson AFB, Ohio.

 SONTAG, HOWARO M. (M'52), Sr. Project Engr., Adams Labs., Inc., 47-37 Austell Pl., Long Island City 1. N.Y.

 SONTHEIMER, CARL G. (A'43-M'55), Exec. V.P., C.G.S. Labs., Inc., 391 Ludlow St., Stamford, Conn.

 SOCHOO, EOMUND L. (A'55), Oestign Engr., RCA Missile & Surface Radar Olv., Moorestown, N. J.

 SOKIKIKAN, VAHRAM (M'58), Sr. Engr., Prod. Dev., Raythen Mfg. Co., Newton 58, Mass.

 SORENKO, THOMAS (S'49-A'50-M'55), Elect. Engr., RCA Victor, Camden, N. J.

 SORNON, ANDREW J. (A'48-M'55), Electronics Engr., Wright-Patterson AFB, Ohio.

 SOR SOORIAN, SOUREN A. (A'50-M'52), Sect. Head, Microwave Components, Raytheon Mfg. Co., Missile Systems Div., Bedford, Mass.

 SOPER, GERARD, T. (A'54), Major USAF, Communications

- Microwave Components, Raytheon Mfg. Co., Missile Systems Div., Bedford, Mass.

 SOPER, GERARD T. (A'54), Major USAF, Communications Officer, 90th Air Refueling Sadn., Forbes AF 8, Topeka, Kan. SOPER, GLENN T. (A'53-SM'58), Mfg. Electronics Research & Dev., Electronics Olv., Elgin Matl. Watch Co., 2435 N. Naomi St., Burbank, Calif.

 SOPER, JON A. (M'57), Instr., Elec. Enorg., Michigan College Mining & Technology, Houghton, Mich.

 SOPER, JON A. (M'57), Instr., Elec. Enorg., Michigan College Mining & Technology, Houghton, Mich.

 SOPER, ROBERT T. (A'56), Engrg. Aide, Acoustic & Pressure Check Range, Ft. Story, Cape Henry, Va.

 SOPHIANOPOULOS, ALEXANDER A. (S'53-A'54), Transmission Engr., Bell Tel. Co. of Canada, 1060 University St., Montreal, P.Q., Canada.

 SORBYE, KNUT E. (S'49-A'51-M'56), Engr., Transitron Electronic Corn., Albion St., Wakefield, Mass.

 SORDAL, CHARLES O. (S'58-M'59), Jr. Engr., Philco Corp., 3875 Fabian Way, Palo Alto, Calif.

 SORDEN, LE ROY V. (A'53-M'58), Research Engr., Telemetry Branch, Instrumentation Systems, Engro. Div., Range Dev. Oest., Pacific Missile Range, Point Mugu, Calif.

 SORENSEN, ALAN G. (A'52), Mgr., Sorensen Electronics Co., 1600 Main St., Napa, Calif.

 SORENSEN, ALBERT A. (S'55-M'57), Mem. Tech. Staff, Space Technology Labs., Inc., 80x 95001, Los Angeles 45, Calif.

 SORENSEN, CARL A. (S'56-M'59), 1017-1 Western Ave., Glendale 1, Calif.

 SORENSEN, CURTIS E. (S'53-A'54), Research Engr., Airbome Systems Labs., Hughes Aircraft Co., Culver City, Calif.

- SORENSEN, CURTIS E. (S'53-A'54), Research Engr., Airbome Systems Labs., Hughes Aircraft Co., Culver City, Calif.

SOR -- SPF - 387 -

- SORENSEN, EARL G. (M'44), Sr. Design Elec. Engr., No. Amer. Aviation, Missife Dev. Div., Downey, Calif.
 SORENSEN, ERLING V. (A'56), Electronics Engr., Microwave Lab., The Danish Academy of Technical Sciences, Oster Volgade 10, Copenhagen, Denmark.
 SORENSEN, GENE L. (A'52-M'55), Chief Lab. Instr., Capitol Radio Engrg. Institute, Inc., 3224 16 St., N.W., Washington 10, D.C.

- SORENSEN, GENE L. (A/52-M/55), Chief Lab. Instr., Capitol Radio Engrg. Institute, Inc., 3224 16 St., N.W., Washington 10, D.C.

 SORENSEN, HANS O. (S/57-M/59), Elec. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 SORENSEN, HANRS O. (S/57-M/59), Elec. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 SORENSEN, HENRY D. (A/55), Staff Asst., Sandia Corp., Livermore, Calif.

 SORENSEN, RALPH J. (M/56), Special Projects Mgr., Lockheed Missile Systems Div., Palo Alto, Calif.

 SORRENSEN, ROBERT L. (S/47-A/48-M/55), Electronics Engr., Hazeltine Tech. Development Center, Inc., Weir Cook Airport, Indianapolis, Ind.

 SORENSEN, ROBERT L. (S/54-M/55), Electronics Engr., Univ. of California Radiation Lab., Berkeley, Calif.

 SORENSEN, ROBERT W. (S/54-M/55), Electronics Engr., Univ. of California Radiation Lab., Berkeley, Calif.

 SORENSEN, TOMARS C. (S/58-M/59), Research Engr., California Technology Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif.

 SORENSON, GLENN P. (A/55), Research Reactor Project Engr., Aerojet-Genl. Nucleonics, Box 77. San Ramon, Calif. SORENSON, LENN P. (A/55), Research Asst., Electronics Research Lab., Stanford Univ., Stanford, Calif.

 SORENSON, LLOYD E. (S/56-M/58), Elec. Engr., United Air Lines, OPBDC. Stapleton Airport, Denver, Colo. SORENY, FRNEST V. (A/50), Chief Engr., Anton Electronics Labs., Inc., 1226 Flatbush Ave., Brooklyn 37, N.Y.

 SORG, LRANCIS X. (M/55), Dir., Research & Engr., Fixed Resistor, Stackbole Carbon Co., St. Mary's, Pa.

 SORG, LLOYD F. (M/55), Mgr., Plant Engr. & Facilities, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 SORGE, BARTHOLD W. (SM/55), Pres., United Geophysical Corp., 2650 Foothill Bild P., Pasadena, Calif.

 SORGE, WILLIAM A. (A/51-M/56), Research Engr., Jersey Production Research Co., 1133 N. Lewis. Tritas, Okla.

 SORGE, WILLIAM A. (A/51-M/56), Research Engr., Persey Production Research Co., 1133 N. Lewis. Tritas, Okla.

 SORGE, GUNTHER U. (M/55), Dir., in-Chg. of Research & Dev., Weinschel Engrg., Co., Inc., 10503 Met

- SORGER, GUNTHER U. (M*55), Dir.-in-Chg. of Research & Dev., Weinschel Engrg. Co., Inc., 10503 Metropolitan Ave. Kensington, Md.
 SORIA, RODOLFO M. (S'3B-A'43-M'46-SM'49-F'5B), V. P., Research & Engrg., Amphenol-Borg Electronics Coro., 25 Ave. at Cermak, Broadview, III.
 SORIUS, ANTHONY (A'55-M'56), Sr. Electronics Engr., Philoc Corp., 7 ioga & C Sis., Philadethila 34, Pa.
 SORKIN, CHARLES S. (A'55), Staff Engr., Genl. Attonics Corp., 1 Bala Ave., Bala-Cynwyd, Pa.
 SORKIN, J.EROLD (M*59), Military Field Engr., Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, III.
 SORKIN, SAM A. (A'39-M'55), Engr., Natl. Geophysical Co., BBO6 Lemmon Ave., Dallas, Tex.
 SORNBERGER, SORDON S. (S'54-M'59), Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.
 SORNBERGER, EDE A. (A'55), Project Engr., Dome & Margolin, 29 New York Ave., Westbury, L.I., N. Y.
 SOROKA, BERNARD (A'46-M'55), Electronic Scientist, Ballistic Research Lab., Aberdeen Proving Ground, Md.
 SOROKIN, ANDREI A. (A'56), Ministry of Radio-tec. Industry, Kitaisky Prosed 7, Moscow, U.S., S. R.
 SORNBLL, DAVID (M'58), Field Engr., RCA Service Co., Paterson AFB, Fia.
 SORRELL, DAVID (M'58), Field Engr., RCA Service Co., Paterson AFB, Fia.
 SORRELL, DERRY A. (S'55-M'57), Design Engr., Friendshib Plan Div., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
- ORRELLS, WARREN E. (S'47-A'50-M'5B), Sr. DIs tribution Engr., Arkansas Power & Light Co., El Dorad Ark.
- SORROWS, HOWARD E. (A'4B), Physicist, Office of Naval Research, 17 St. & Constitution Ave., N.W., Washington, D.C.
- SORSEN, SPENCER L. (A'53), Project Engr., Askanla Regulator Co., 240 E. Ontario, Chicago 11, III. SORVAAG, CLARENCE M. (SM'57), Acting Engrg. Mgr., Reconnaissance System Lab., Sylvania Elec Prods., Inc., Box 1BB, Mountain View, Calif.
- SOS, JOHN (S'56-M'5B), Elec. Engr., RCA, Camden,
- N.J.
 SOSCIA, BAMBY L. (A'53-M'5B), Project Engr., B-I-F
 Industries, Inc., 345 Harris Ave., Providence 1, R.I.
 SOSNA, VICTOR (S'58-A'5B), Electronics Technician,
 Chatham Electronics Corp., 630 Mt. Pleasant Ave.,
 Livingston, N.J.
- Clvingston, N.J.

 SOSOLIK, FRANK J. (A'46), Mgr. & Owner, Sosolik'sRadio & Television, Sales & Service, 713 S. Main St.,
 Bryan, Tex.

 SOTAK, JOHN W. (A'54), Electronics Engr., 119 W.

 Cameron Rd., Falls Church, Va.

- Cameron RG., Falls Church, Va.
 SOTO, KANEHIRO (A'57), Shimada Physical & Chemical Industrial Co., 17 Fujimi-cho, Nakano-Ku, Tokyo, Japan.
 SOTTILE, MICHAEL R. (S'55-M'5B), Elec. Engr.,
 Western Electric Co., 220 Church St., New York, N.Y.
 SOUCY, CHESTER I. (A'26-SM'46), Chief, Telecommunications Engry. Standards Branch, RCAF Air Materiel Command,
 RCAF Sta, Rockliffe, Ottawa, Ont., Canada.

- ions Engrg. Standards Branch, RCAF Air Materiel Command, RCAF Sta, Rockliffe, Ottawa, Ont., Canada.

 SOUDER, CARLTON W. (SM*55), Engrg. Dept. Head, Sperry Gyroscope Co., Great Neck, L.1., N.Y.

 SOUDER, GORDON H. (S'56-M'58), Jr. Engr., Bendix Aviation Corp., Towson, Md.

 SOUDERS, EARL R. (S'49-A'51-M'57), Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 SOUFAL, FERDINAND H. (A'54), Elec. Engr., Admiral Corp., 3800 Cortland, Chicago, Ill.

 SOUKARAS, KOMME MUS, M. (M'59), Asst. Radlo Engr., Naval Research Lab., Washington 25, D.C.

 SOUKUP, JAROSLAV (SM'55), Project Engr., ITT Labs., Nurley 10, N.J.

 SOULE, B. LINN (M'59), Sr. Field Engr., Hazeltine Corp., Little Neck, L.1., N.Y.

 SOULE, WILLIAM J. (M'56), Engr., Design & Dev., Westinghouse Elec. Corp., Box 284, Elmira, N.Y.

 SOULE, WINSOR, JR. (S'55-A'57), Project Mgr., Smith-Corona Marchant, Inc., 6701 San Pablo, Oakland B, Calif.

 SOULES, CHARLES W. (S'57-M'59), Ensign, JSN, USS Rockbridge, (APAZ283), FPO, New York, N.Y.

 SOURIAL, RAAFAT S. (M'59), Demonstrator, Faculty of Engrg., Cairo Univ., Giza, Cairo, Egypt.

- SOURIAU, P.J. (M'58), Gent. Mgr., Souriau & Co., 13 Rue Gent. Gallieni, Billancourt, Seine, France. SOUTER, RUSSELL E. (M'54), Sr. Electronics Engr., Hallamore Electronics Co., B352 Brookhurst Ave., Anaheim, Calif.
- SOUTHALL, ALFRED M. (A'57), Communications Technician, Federal Electric Co., ACS Toll Bldg., Fairbanks, Alaska.
- SOUTHALL, THOMAS W. (A'52-M'52), Chief Maint. Engr., OSD-OPI Radio-Television Branch, Rm. 2E-791, Pentagon, Washington 25, D.C. SOUTHARD, CARL D. (A'53), Prod. Engr., IBM, Endicott,
- N.Y.
 SOUTHERLY, NEIL D. (S'57-M'59), Engr., Sperry Micro-wave Electronics Co., Box 1B2B, Clearwater, Fla.
 SOUTHERN, AUDRA L. (A'52-M'5B), Elec. Engr., Union Carbide Nuclear Co., Oak Ridge Natl. Labs., Oak Ridge,

- Carbide Nuclear Co., Oak Ridge Natl. Labs., Oak Ridge, Tenn.
 SOUTHERN, CHARLES D. (A'45), Owner, Southern Sales Co., Box 105, Lakeshore Dr., Angola, Ind.
 SOUTHERN, PAUL D. (M'57), Sole Prop., The Paul Sales Co., 2609 Broadway, Ft. Wayne, Ind.
 SOUTHWORTH, CEORGE C. (M'26-F'41), Radio Consultant, 19 Williams Rd., Chatham, N.J.
 SOUTHWORTH, MASON P. (S'55-M'57), Project Supvr., Stanford Univ., Radio Propagation Lab., Stanford, Calif. SOUTHWORTH, MASON P. (S'55-M'57), Design & Dev. Engr., RCA, Camden, N.J.
 SOUN, LUIS B. (S'56-M'5B), Production Engr., Norden Ketay Corp., 12B33 Simms, Hawthorne, Calif.
 SOWA, CONSTANTINE P. (A'54-M'57), Research Engr., BOMARC, Boeing Airplane Co., Seattle, Wash.
 SOWELL, JOHN B. (M'57), Patent Atty., Burroughs Corp., 6071 2nd Ave., Detrolt 32, Mich.
 SOWELL, PIERCE W. (M'58), Project Engr., Internatl. Electronics Engra., Inc., 425 13 St., N.W. Washington, D.C.
 SOWERBUTTS, DENIS (M'57), Contracts Mgr., E.M.I.

- SOWERBUTTS, DENIS (M'57), Contracts Mgr., E.M.I. Electronics Ltd., Broadcasting Div., Hayes, Middx., England.
- SOWERBY JAMES McG. (A'41-M'55), Chief Engr., English Electric Co., Ltd., Stevenage, England. SOWERS, ANTHONY E. (M'59), Engr., Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, N.Y.
- SOWIAK, MILTON M. (S'56-M'5B), Research Engr., RCA,

- CO., LOU Garisson.

 SOWAK, MILTON M. (S'56-M'5B), Research Engr., 100., Princeton, N.J.

 Princeton, N.J.

 SPACIE, ROY W. (A'50), Asst. Dir., Research, Fairchild Astronics Div., Wyandanch L.I., N.Y.

 SPACK, WILLIAM, JR. (M'57), Staff Mem., Los Alamos Scientific Lab., Los Alamos, N.M.

 SPACKMAN, RONALD M. (M'5B), Jr. Engr., Haller, Raymond & Brown, Inc., Box 60, State College, Pa.

 SPADARO, FERRUCCIO G. (M'57), Sr. Research Engr., Rockeldyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.

 SPADEMAN, CHARLES F. (M'56), Project Engr., Geni. Telephone Labs., Northlake, Ill.

 SPADES, JOSEPH F. (M'56), Advanced Dev. Engr., Sylvania Elec. Prods., Inc., Reconnaissance Systems Lab., Mountain View, Calif.

 SPADONI, ALFRED F. (A'50), Chief, Communication

- Lab., Mountain view, Calif.
 SPADONI, ALFRED F. (4/50), Chief, Communication
 Electronics Branch, USAF, McClellan AFB, Calif.
 SPADONI, EDWARD R. (4/5B), Electro Mech. Designer,
 Sanborn Co., 175 Wyman St., Waltham 54, Mass.
 SPADY, RICHARD J. (5/50-4/51-M/5B), Elec. Engr.,
 Minneapolis-Honeywell Regulator Co., Wayne & Windrim,
 Philadelphia 44, Pa.
- SPAETH, CHARLES A. (A'56), Engr., Wisconsin Telephone Co., Milwaukee 2, Wis.
- SPAFFORD, LLOYD J. (S'56-M'58), Engr., GE Co.,
- Syracuse. N.Y.
 SPAGNOLETTI, PHILIP H. (A'34-M'55), Components
 Group Mgr., Standard Telephones & Cables, Ltd., Footscray,
 Sidcup, Kent, England.
- STOCKING, Kent, Lengland, SPAHR, PHILIP K., JR. (S'51-A'52-M'57), Elec. Engr., ITT Labs., 345 Cortlandt St., Belleville, N.J. SPALDING, JOHN F. (M'57), Engr., GE Co., LMED, Utica,
- N.Y. SPALDING, JOSEPH P. (SM'51), Asst. Dir., Emerson Research Labs., 701 Lamont St., N.W., Washington 10, D.C.
- SPAMPINATO, PHILIP (A'5B), Service Mgr., Pat's T-View Television, 400 W. 46 St., New York, N.Y. Television, 400 W. 46 St., New York, N.Y.
 SPAMPINATO, ROBERT (S'5B-A'59), 330 E. 15 St.,
 New York 3, N.Y.
- New York 3, N.Y.

 SPANDAU, EDWARD P. (SM'49), Tech Rep., The Raiph
 M. Parsons Co., 151 S. DeLacey Ave., Pasadena, Calif.

 SPANDORFER, LESTER M. (S'48-A'49-M'55), Sr.
 Engr., Remington Rand Univac, 19 & Allegheny Ave.,
 Philadelphia, Pa.

 SPANG, H. AUSTIN III (S'54-M'58), Dunham Lab. of
 Elec. Engrg., Yale Univ., New Haven, Conn.

 SPANG, THOMAS C. (S'54-M'58), 140 Mansfield St.,
 New Haven, Conn.

 SPANGFMERC KARL R. (A'34-SM'45-F'49), Engra. Co.

- New Haven, Conn.

 SPANGEMBERG, KARL R. (A'34-SM'45-F'49), Engrg. Consultant, 2100 Page Mill Rd., Palo Alto, Calif.

 SPANGEMBERG, LEROY F. (A'38-M'45-SM'57), V.P., Mackay Radio & Telegraph Co., 67 Broad St., New York 4, N.Y.
- 4, N.Y.

 SPANGLER, RAYMOND G. (A'58), Engrg. Technician, RCA. Lancaster. Pa.

 SPANGLER, ROBERT (S'55-A'56), Electronics Engr., Admiral Corp., 3B00 Cortland, Chicago 47. III.

 SPANGLER, SEARLE T. (M'45-SM'46), Mgr., Special Prods., Dage TV Div., Thompson Prods., Inc., 10 & Sheridan Sts., Michigan City, Ind.
- Sheridan Sts., Michigan City, Ind.
 SPANIER, BERNARD (M'53), Tech. Staff Mem., Space Technolov Labs., El Segundo Blvd., Los Angeles, Calif.
 SPANN, MICHAEL M. (M'57), Geophysical Engr., Humble Oil & Refining Co., Box 2180, Houston, Tex.
 SPANN, ROBERT G. (A'52-M'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I.. N.Y.
 SPANO, AUGUST J. (A'56), Field Engr., Lahana & Co., 1886 S. Broadway, Denver, Colo.
 SPANO, AUGUSTINE J. (A'49), Reeve Electronics, Inc., 609 (Lake St., Chicago, III.
 SPANOS, WILLIAM M. (S'50-A'51-M'56), Dev. Engr.,

- SPANOS, WILLIAM M. (S'50-A'51-M'56), Dev. Engr., ITT Labs., Nutley 10, N. J. SPARACINO, BIAGIO J. (A'54), 3501 W. Lloyd St., Milwaukee 8, Wis.

- SPARACINO, ROBERT R. (S'49-A'50-M'55), Research Engr., MIT. Cambridge 39, Mass. SPARACIO, FRANK J. (S'56-M'57), Engr., Prod. Dev., IBM, Poughkeepsie, N.Y.
- IBM, Poudhkeepsie, N.Y.
 SPARF, WALTER H. (A'52-M'55), V.P., Engineered Sales Co., Inc., 3592 Milwaukee Ave., Chicado 41, Ill.
 SPARGO, JOHN S. (A'54), District Mgr., William C. Copp & Associates. 72 W. 45 St., New York 36, N.Y.
 SPARKMAN, WILLIAM A., JR. (M'52), Instr., Physics Dept., East Texas State College. Commerce, Tex.

- SPARKMAN, WILLIAM A., JR. (M'52), Instr., Physics Dept., East Texas State College, Commerce, Tex.

 SPARKS, B. BRUCE (S'53-A-53), Mathematician, IBM, 36 Kino St., E., Toronto. Ont., Canada.

 SPARKS, BRIAN O. (M'59), Dir., Space & Missiles Dept., Interstate Electronics Corp., 707 Vermont, Anahelm, Calif. SPARKS, DALE (S'53-A'54), Faculty Mem., Teaching Assoc., Univ. of New Mexico, Albuquerque, N. M.

 SPARKS, DEWEY J. (A'57), Field Supur., Service Engr., Well Instrument Developing Co., Box 2B2, Bellaire, Tex. SPARKS, HAROLD (S'55-M'57), Circuit Engr., GE Co., Computer Lab., 951 Commercial St., Palo Alto. Calif. SPARKS, JAMES R. (S'56-M'57), Engr., Sperry Microwave Electronics Co., Box 1B2B. Clearwater, Fla.

 SPARKS, JOHN E. (S'53-M'56), Advanced Engr., Program, GE Co., Syracuse, N.Y.

 SPARKS, MGRAN (SM'59), Dir., Transistor Dev., Bell Tel. Labs., Murrav Hill., N.J.

 SPARKS, MORSON, (SM'50), Sr. Project Engr., RCA Service Co., Missile Test Project, Patrick AFB, Fla.

 SPARLING, ALEGER G. (SM'50), Sr. Project Engr., RCA Service Co., Missile Test Project, Patrick AFB, Fla.

 SPARLING, ARTHUR J. (A'56), Design Specialist, Servomerchanisms Inc., 12500 Aviation RIvel., Hawshorne, Calif.
- Service Co., Missile Test Project, Patrick AFB, Fla.
 SPARLING, ARTHUR J. (A'56), Design Specialist, Servomechanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif.
 SPARLING, WALTER N. (M'54), Resgarch Engr., Autonetics Div., No. Amer. Aviation, Downer, Calif.
 SPARRENDAHL, GUNNAR E. W. (A'57), Research Engr., Swedish Bd. of Telecommunications, Stockholm, Sweden.
 SPARROW, EDWARD L. (S'51-A'52-M'57), Project Engr., Farnsworth Electronics Co., 3702 E. Pontiac St., Ft. Wavne, Ind.
- PRAKKUW, EDWARD L. (S'51-A'52-M'57), Project Engr., Farnsworth Electronics Co., 3702 E. Pontiac St., Ft. Wayne, Ind. St., Ft. Ft. Wayne, Ind. St., Ft. Sparkow, JAMFS (M'56), Sect. Engr. Canadian Westinghouse Co., Ltd., Hamilton, Ont., Canada. SPARROW, R. F. (S'50-A'53-M'58), Elec. Engr., Union Switch & Signal Div., Westinghouse Air Brake Co. Swissvale, Pa.
- SPARROWE, JOHN A. V. (A'58), Canadian Marconi Co., Box 994. St. John's. Nfld.. Canada. SPATZ, PETER K. (S'50-A'52), Sr. Engr., IBM, Poughkeepsie, N.Y.
- Poughkeepsie, N.Y.

 SPATZ, SQL (S'49-A'50-M'5B), Sect. Mor., American Machine & Foundry Co., 1.1 Bruce Pl., Greenwich, Conn.

 SPAULDING, CARL P. (S'43-A'45-SM'54), Pres., Datex Corp., 1307 S. Myrtle, Monrovia, Calif.

 SPAULDING, GENE B. (M'54-SM'59), Mgr., Prod. Engrg., Temco Aircraft Corp., Box 61,91, Dallas 22, Tex.

 SPAULDING, HAROLD K. (A'52), Sr. Engr., Curtiss Wright Electronics Div., Central Ave., Carlstadt, N.J.

 SPAYTH, FRANK J. (M'55), Mgr., Data Processing, Avion Div., ACF Industries, Inc., BOO N. Pitt St., Alexandria, Va.

 SPEAJES. MITCHELL (A'54-M'56)
- Va.

 SPEAIRS, MITCHELL (A'54-M'56), Owner, Mitchell Speairs
 Co., 3801 Westcliff Rd., S., Ft. Worth 9, Tex.

 SPEAKE, ALBERT C. (M'56), Chief, Capacitor Sect.,
 Electronics Components Lab., Wright Air Development
 Center, Wright-Patterson AFB, Ohio.

 SPEAKER, H. BARR (A'53), Electronics Engr., U.S.
 Army Signal Research Development Lab., Ft. Monmouth,
 N.J.
- N.J.

 SPEAKMAN, EDWIN A. (A'43-M'44-SM'4B-F'45), Mgr., Planning, Defense Electronic Prods., RCA, Camden, N.J.

 SPEAR, AMY C. (SM'59), Instr., Mohawk Valley Tech. Institute, 751 State St., Utica, N.Y.

 SPEAR, EDWARD D. (S'4B-A'4B-M'52-SM'56), Llaison Engr., Electronics Lab., GE Co., Syracuse, N.Y.

 SPEAR, JACK R. (S'57-M'59), Jr. Engr., Radar Indicators, Bendix Radio, Towson 4, Md.

 SPEAR, NOBERT B. (M'50), Radio Engr., Owner, Bob Spear Radio Service, Brownsfield, Tex.

 SPEAR, WARD G. (S'50-A'52-M'55-SM'5B), Elec. Engr., GE Co., Hanford Atomic Work, Richland, Wash.

 SPEARIN, FREDERIC W., JR. (S'49-A'51-M'56), Project Engr., National Co., Inc., 37 Washington St., Melrose 76, Mass.

 SPEARS, MORTON F. (SM'58), Dir., Engrg., Pickard &

- SPEARS, MORTON F. (SM'58), Dir., Engrg., Pickard & Burns, Inc., 240 Highland Ave., Westwood, Mass. SPEARS, ROBERT E. (S'54-A'56), Project Engr., Remington Rand Univac, St. Paul, Minn.

- ton Rand Univae, St. Paul, Minn.
 SPEARS, ROBERT W. (A'44-M'51), Engrg. Rep., Firestone Engrg. Lab., Box 1431, Monterey, Callf.
 SPEARS, WILLLIAM F. (SM'56), Chief Engr., Industrial Equipment, The Hickok Electrical Instrument Co., 10514
 Dupont Ave., Cleveland B., Ohio.
 SPEARS, WILLIAM K. (M'5B), Fields Engr., Dynamic Electronics, New York, Inc., 73-39 Woodhaven Blvd., Glendale, J. I., N. Y.
 SPECHT, DONALD F. (S'55-M'57), Systems Engr., Lockheed Aircraft Corp., Sunnyvale, Calif.
 SPECHT, WALTER A., JR. (S'55-M'5B), Lt. jg., USNR, USS Los Angeles (CA-135), FPO, San Francisco, Calif.
 SPECHT, JOSEPH S. (A'52), Asst. Project Engr.,
- USS Los Angeles (CA-135), FPU, San Francisco, Calli, SPECIALE, JOSEPH S. (A'52), Asst. Project Engr., Eureka Williams Corp., Bloomington, Ill. SPECK, GEORGE (S'55-M'56), Design Engr., Aerojet General Corp., Box 296, Azusa, Calif. SPECK, LUTHER P., JR. (M'55), House Counsel, Cook Electric Co., 6401 Oakton St., Morton Grove, Ill. SPECK, ROBERT S. (M'56), Engr., GE Co., Schenectady, M. V.
- N.Y.
 SPECTOR, ABRAHAM (S'50-A'51-M'56), Electronics
 Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 SPECTOR, AVRON N. (N'57), Asst. Project Engr., Gulded
 Missile Research Div., Ramo-Wooldridge Corp., 5740
 Arbor Vitae, Los Angeles 24, Calif.
- SPECTOR, CLARENCE J. (M'5B), Mem, Tech, Staff, Bell Tel, Labs., Murray Hill, N. J. SPECTOR, EDWARD N. (A'45), D-B05 Presidential Apt., Philadelphia 31, Pa.
- PRILIAGEIGNIA 31, PA.
 SPECTOR, FREDERICK L. (M'5B), Research Engr., Electronics, The Foxboro Co., Neponset Ave., Foxboro, Mass.
 SPECTOR, GERALD (S'53-A'55), Dev. Engr., RCA, Camden, N.J.
- SPECTOR, LOUIS (A'51-M'56), Sr. Research Assoc., Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y.

- SPECTOR, MORRIS (A'47), Mgr., Govt. Operations, Automatic Mfg. Div., Genl. Instrument Corp., 65 Gouverneur St., Newark, N.J.
- SPECTOR, MYLES S. (S'50-A'51-M'56), Sales Mgr., American Geloso Electronics, Inc., 251 4 Ave., New York 1D, N.Y.
- SPECTOR, NORMAN (S'52-A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SPEED, DONALD K. (A'43-M'55), Project Engr., Missiles & Space Systems, United Aircraft Corp., Main St., East Hartford 8, Conn

- A Space Systems, United Aircrart Corp., Main St., East Hartford 8, Conn.

 SPEED, WILLIAM J. (M'52), Pres., Speed Instrument Co., 2718 E. Rothgeb Dr., Raleigh, N.C.

 SPEEN, GERALD B. (M'55-SM'59), Sr. Mem, Tech, Staff, ITT Labs., 15151 Bledsos St., San Fernando, Calif.

 SPEER, J. HOWARD, JR. (S'53-M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 SPEER, JOHN S., II (A'51-M'56), Sales Mgr., Speer Resistor Div., Speer Carbon Co., St. Mary's, Pa.

 SPEER, JOSEPH G. (SM'55), Sr. Project Engr., Hoffman Labs., 3761 S. Hill, Los Angeles, Calif.

 SPEER, THOMPSON K. (S'49-A'51), Marietta, Ga.

 SPEER, WILLIAM S. (S'5D-A'51), Head, Electronics Systems Engr., Lockheed Aircraft Corp., Marietta, Ga.

 SPEER, WILLIAM S. (S'5D-A'51), Head, Electronics Engrg., Data Systems, Norden-Ketay Corp., 13210 Crenshaw Blvd., Gardena, Calif.

 SPEERS, DEE F. (M'58), 18 Leonard Dr., Southboro,
- SPEERS, DEE F. (M'58), 18 Leonard Dr., Southboro,
- Mass.
 SPEH, KARL C. (SM'54), Head, Dept., Nuclear Technology, Airborne Instrument Lab., Mineola, L.I., N.Y.
 SPEIGHTS, MARION T. (A'50-M'55), Project Engr., Philocorp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 SPEIR, FRANK H. (A'38-SM'43), 1051 Airport Rd., Reno,
- Nev.
 SPEIRS, GEORGE E. (A'48), Prop., Gulf Electronics,
 6710 W. Flagler, Miami 44, Fla.
 SPEISER, AMBROS P. (M'55-SM'55), Lab. Mgr., IBM,
 Research Lab., Zurichstrasse 108, Adiswil-Zurich, Switzerland; Assoc. Prof., Swiss Federal Institute of Tech-
- SPELIOS, JAMES S., JR. (S'50-A'54), Electronics Engr., Sylvania Elec. Prods., Inc., 189 8 St., Needham, Mass. SPELLE, THOMAS F. (S'52-A'56), Tech. Aide, Bell Tel. Labs., Whippany, N. J.
- Laos , Whippany, N.J.
 SPELLER, JACK B. (A'47-SM'49), Staff Engr., NordenKetay Corp., 121 Westmoreland Ave., White Plains, N.Y.
 SPELLMAN, FREDERICK C. (A'50-M'55), Owner, Fred
 Spellman co., 200 Plandome Rd., Manhasset, L.I., N.Y.
 SPELLMIRE, ROBERT J. (M'56), Mem. Tech. Staff, Douglas Alrcraft Co., 3000 Ocean Park Blvd., Santa Monica,
 Calif.
- SPENCE, DAVID W. (SM'58), Sr. Engr., Texas Instruments, Inc., Industrial Instrumentation Oiv., Houston 6, Tex.

- Tex.

 SPENCE, HOMER W. (A'45-M'55), Sr. Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 SPENCE, JOHN W. (M'57), Component Engr., GE Co., HMED, Syracuse, N.Y.

 SPENCE, PAYTON W. (A'23-M'44), Mem. Tech. Staff, Bell Tel., Labs., Whippany, N.J.

 SPENCE, RAY C. (A'42), Two-Way Radio Maintenance, 2407 Brooklyn Ave., Parkersburg, W. Va.

 SPENCE, RAYMOND E., JR. (M'59), 370B Mt. Pleasant Dr., Midwest City, Okla.

 SPENCE, ROBERT (C'55-M'59), Research Asst., City & Guilds College, Exhibition Rd., London, S.W. 7, England.

 SPENCE, ROBERT C. (M'54-SW'57), Surviv. Sandia
- SPENCE, ROBERT C. (M'54-SM'57), Supvr., Sandia Corp., Sandia Base, Albuquerque, N. M. SPENCE, THOMAS M. (S'56-M'57), Tech. Engr., IBM, Poughkeepsie, N.Y.
- Poughkeepsie, N.Y.

 SPENCER, ALBERT E., JR. (S'50-A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 SPENCER, BENJAMIN F. (S'41-A'42-M'45-SM'49), Patent Agent, Reeves Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y.

 SPENCER, CHARLES L. (M'54), Electronic Scientist, Communications, Naval Research Lab., Code 5418, Washington 25, D.C.

- Washington 25, D.C.
 SPENCER, DARYL L. (S'48-A'49-M'55), Assoc. Engr.,
 I8M, Kingston, N.Y.
 SPENCER, DONALD J. (S'53-M'57), Research Physicist,
 Space Technology Labs., Inc., 5500 El Segundo Blvd.,
 Hawthome, Calif.

- Hawthome, Calif.

 SPENCER, EDWARD G. (SM'57), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.

 SPENCER, FREDERICK J. (S'55-M'57), Engrg. Dept.,
 Meloar, Inc., 11 Galen St., Watertown, Mass.

 SPENCER, GEORGE R. (M'58), Mgr., Customer Service,
 Semiconductor Div., Raytheon Mg. Co., Newton 58, Mass.

 SPENCER, GEORGE W. (A'50-A'51-M'56), Project Engr.,
 Beckman Instruments, Systems Div., 325 N. Muller Ave.,
 Anaheim, Calif.

 SPENCER, GODDON D. (Stat. Alace William)

- Anaheim, Calif.

 SPENCER, GORDON R. (S'46-A'48-M'55), Engro. Specialist, Philoc Corp., Lansdale Tube Div., Church Rd., Lansdale, Pa.

 SPENCER, GWYNNE W., II (M'56), Assoc. Engr., IBM, Poughkeepsie, N.Y.

 SPENCER, JACK C. (A'44-M'54-SM'56), Chief Electronics Engr., Industrial Mgr., USN 8 ND, 8ldg. 263, U.S. Naval Sta., New Orleans 14, La.

 SPENCER, JAMES M., JR. (S'55-M'58), Electronics Engr., Sylvania Electronics Defense Lab., Box 205, Mountain View, Calif.

 SPENCER, JOHN M. ID. (MES), Control of the Control of

- Sylvania Electronics Genesic Lab., Box 205, Mountain View, Calif.

 SPENCER, JOHN M., JR. (M'56), Sr. Aircraft Research Engr., Lockheed Aircraft Corp., Marietta, Ga.

 SPENCER, KENNETH J. (S'57-M'58), 2090 Jeanne Mance St., Montreal, P.Q., Canada.

 SPENCER, LESLIE V. (M'58), Dir., Public Relations & Advertising, Electronic Communications, inc., 1501 72 St., N., St. Petersburgh, Fia.

 SPENCER, LOUIE P. (S'53-A'54), Service Engr., Ampex Corp., 934 Charter, Redwood City, Calif.

 SPENCER, MILLLARD C. (A'16-VA'39-M'55)KJ), Consulting Engr., Elliott Co., Crocker-Wheeler Div., Jeannette, Pa.
 SPENCER, MED A. (A'7-M'54-SM'59), Sr., Dev. Engr., Wheeler Labs., inc., Box 561, Smithtown, N.Y.

 SPENCER, MELSDN W. (SM'51), Head, Space Physics Research Lab., Elec. Engrg. Dept., Univ. of Michigan, Ann Arbor, Mich.

- SPENCER, NDRMAN K. (M'56), Chief Elec. Engr., Textileather Div., Genl. Tire & Rubber Co., Dayton & Twining Sts., Toledo, Ohio.
- Sts., Toledo, Ohio.

 SPENCER, PERCY L. (A'53-SM'53-F'55), Sr. V.P.,
 Raytheon Mfg. Co., Waltham 54, Mass.

 SPENCER, PETER F. (M'54), Asst. Chief Engr., Filtron
 Co., Inc., 10023 Jefferson Blvd., Culver City, Calif.

 SPENCER, PHILIP H. (A'51-A'53-M'57), Engr., Westing-house Elec. Corp., Box 746, Baltimore 5, Md.

 SPENCER, RALPH E. (A'51), Suite 31, 2830 Hemlock
 St., Vancouver 9, B.C., Canada.

 SPENCER, PHICHADDLY (A'47, M'55), Breite Ferr., Mid.

- St., Vancouver 9, B.C., Canada.
 SPENCER, RICHARD H. (A'47-M'55), Project Engr., MiT, Cambridge 39, Mass.
 SPENCER, RICHARD W. (A'53-M'58), Staff Engr., Genl. Atronics Corp., 1 Bala Ave., Bala Cynwyd, Pa.
 SPENCER, ROBERT L. (S'53-A'54), Engr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif.
 SPENCER, ROCER L. (A'55-M'56), Design Engr., P. R. Mallory & Co., Inc., 3029 E. Washington, Indianapolis 6, Ind.
- SPENCER, ROY C. (M'46-SM'50), Principal Staff Scientist, Martin Co., Baltimore 3, Md.
- Martin Co., Baltimore 3, Md.
 SPENGER, WARREN H. (S'47-4'50-M'55), Engr., Genl.
 Mills, Inc., 2003 E. Hennepin Ave., Minneapolis, Minn.
 SPENDLOVE, DAVID S. (S'56-M'56), Project Engr.,
 Canadian Motorola Electronics, Ldt., 105 Bartey Dr.,
 Toronto 16, Dnt., Canada.
 SPENGLER, JOHN R. (A'55), Project Supvr., Sperry Rand
 Corp., St. Paul 16, Minn.
 SPENGLER, ROBERT G. (S'55-M'57), Mathode Applied
- SPENGLER, Some Corp., St. Paul 16, Minn.

 SPENGLER, ROBERT G. (S'55-M'57), Methods Analyst, Prudential Insurance Co. of America, 763 Broad St., Newark, N.J.

 SPENGLER, SOME CO. (M'56), Assoc., Research Engr. 8
- SPENGOS, ARISTOKLIS (M'56), Assoc. Research Engr. & Lecturer, Univ. of M'chigan Research Institute, Ann Arbor, Mich.
- Mich.

 SPENSER, CHARLES W. (A'50-M'55), Electronics Engr.,
 Naval Ordnance Lab., White Oak, Md.

 SPERA, RUSSELL L. (A'52), Owner, Spera Electronic
 Supply Co., 37-10, 33 St., Long Island City 1, N.Y.

 SPERANZA, ANTHONY A., JR. (A'55), Test Engr., Genl.
 Precision Lab., Pleasantville, N.Y.

 SPERAY, MARTIN R. (S'53-A'54), Design Engr., GE Co.,
 Schenectady 5, N.Y.
- Schenectady 5, N.Y.
 SPERBECK, JAMES H. (A'58), Engr., Standard Coil
 Prods. Co., Inc., 2100 N. Soto, Los Angeles 32, Calif.
 SPERBER, ANDREW O. (M'53-SM'58), Sr. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 SPERBER, DAVID J. (A'56), Control Sales Application
 Engr., The Louis Allis Co., 427 E. Stewart, Milwaukee
 7 Wis
- Engr.,
- SPERBER, WILLIAM (M'59), Engr., Research Labs. Div., Bendix Aviation Corp., Box 5115, Detroit 35, Mich. SPERELAKIS, PETER (S'48-A'50-M'55), Deputy Chief, Machine Records Branch, Ordnance Ammunition Command,
- SPERGEL, JACK (A'50-M'55), Electronics Engr., Electronics Components Research Dept., J.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 SPERGEL, PHILIP (S'48-A'49-M'55), Group Leader, Systems Div., Epsco, Inc., 275 Massachusetts Ave., Cambridge, Mass.

 SPERLING, IRVING (S'54-A'55), Electronics Engr., RCA, Morrestown N.J.

- Moorestown, N.J.
 SPERLING, J. G. (M'46), Radio Engr., 60 Soundview Rd.,
 Great Neck, L.I., N.Y.
- SPERLING, JACK (A):55, Jack Sperling Radio & Television Service, 49 Vermilyea Ave., New York 34, N.Y. SPERLING, LEON (S'52-A'53-M'58), Engr., GE Co., Utica, N.Y.

- Utica, N.Y.
 SPERLING, PAUL (A'45-SM'50), Lear, Inc., 3171 8undy
 Dr., Santa Monica, Calif.
 SPERLING, ROBERT D. (A'55), Electronics Research Engr.,
 Lockheed Aircraft Corp., Burbank, Calif.
 SPERLING, ROBERT W. (M'58), Electronics Engr., FAA,
 5651 W. Manchester Ave., Los Angeles 45, Calif.
 SPERO, ARTHUR F. (S'49-A'50-M'55), Chief Engr., Control & Data, Industrial Nucleonics Corp., 650 Ackerman Rd.,
 Columbus 1.2, Ohio.
 SPERO, POREPT F. (A'54), Engr., Sant, Head, Santa, Care.

- Columbus 1.2, Ohlo.

 SPERO, ROBERT E. (A'54), Engrg. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SPERO, MILLIAM I. (S'53-A'54), Microwave Div., Sylvania Elec. Prods., Inc., Physics Lab., Bayside, L.I., N.Y.

 SPERR, MRTHUR E. (A'47-M'55), Engr., New York Telephone Company, 140 West St., New York, N.Y.

 SPERRING, FRANCIS E. (M'47), Communications Officer, Internati, Civil Aviation Organization, European & African Office, 60 Bis. Ave. D'lena, Paris 16, France

 SPERRY, ALBERT 8, (S'50-A'53-M'58), Safes Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calil.

 SPERRY, CLAUDE J., JR. (SM'50), Assoc. Prof., Elec. Engrg., Tulane University, New Orleans 18, La.

 SPERRY, GEORGE T. (SM'57), Western Electric Co., Military Engrg. Service Personnel Recruiting, 108 Oak Hill Ave., Potsmouth, Va.

 SPERSHOTT, JDHN H. (M'54), Chief Engr., Remnuds Bendal

- Portsmouth, Va.

 Portsmouth, Va.

 SPERSHOTT, JDHN H. (M'54), Chief Engr., Bermuda Broadcasting Co., Ltd., Hamilton, Bermuda.

 SPESOCK, GILBERT J. (M'58), Electronics Research Engr., Lockheed Aircraf Corp., Missiles & Space Div., 80x 504, Sunnyvale, Calif.

 SPETNER, LEE M. (SM'57), Physicist, The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

 SPETT, HARRY (S'49-A'51-M'56), Elec. Engr., Reeves Instrument Corp., East Gate Blvd., Garden City, L.I., N.Y.

 SPHAR, CLARK H. (J'27-A'29-VA'39), Research Assoc., Stanford Univ., Stanford, Calif.

 SPICER, WILLLIAM H., JR. (M'55), Semi-Automatic Test
- Station of the State of the Sta
- CORD., Baltimore 4, Md. SPIECENS, CAMIL P. (d.152-M'57), Patent Agent, 34 Park Row, New York 7, N.Y. SPIECEL, GERHARD W. (d.141-M'49), Asst. Chief Engr., Photographic & Appliance Div., G M Labs., Inc., 4300 N. Knox Ave., Chicago 41, III.
- SPIEGEL, LOUIS (A'134-M'47), Designer, Lurox Designers, 6732 Hagen Blvd., El Cerrito, Calif.

 SPIEGEL, PHILLIP (S'58-M'59), Jr. Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia, Pa.

 SPIEGEL, ROBERT M. (S'49-A'51-M'56), Engrg. Dept. Head, Polarad Electronics Corp., 43-20 34 St., Long Island City 1, N.Y.

- SPIEGEL, RUBIN E. (S'49-A'50-M'55), Consultant, Digital Data Handling, Consultants & Designers, Inc., 65D 11 Ave. New York 36, N. Y.
- New York 36, N. Y.
 SPIEGEL, SIDNEY S. (M'51), Asst. Project Engr., Martin
 Co., Orlando, Fla.
 SPIEGEL, STANLEY S. (M'56), Design Engr., RCA, Camden,

- SPIEGEL, STANLEY S. (M'59), Design Engr., RCA, Camden, N.J.

 SPIEGELMAN, DAVID (M'59), Systems Elec. Engr., Sorensen & Co., 333 E. 103 St., New York 29, N.Y.

 SPIEGELTHAL, EDWIN S. (M'58), Mgr., Applied Programming Research, Computer Dept., GE Co., Bethesda, Md.

 SPIEKER, DUANE A. (S'57-A'58), Electronics Scientist, Bendix Aviation Corp., Kansas City, Mo.

 SPIEKER, LUVERNE J. (S'48-A'49-M'55), Sr. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 SPIEKER, MARINUS (A'52-M'57), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 SPIELBERG, JEROME R. (S'51-M'57), Project Engr., Loral Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.

- Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.

 SPIELBERGER, SEYMOUR C. (S'47-A'48-SM'56), Sr. Project Engr., Bulova Research & Dev. Labs., Inc., 62-10 Woodside Ave., Woodside 77, L.I., N.Y.

 SPIELER, ARTHUR (A'56), Communications Engr., Atlantic Refining Co., 260 S. Broad St., Philadelphia 41, Pa.

 SPIELER, RAYMOND J. (S'55-M'57), Research Engr., Standard Register Co., Dayton 1, Ohio.

 SPIELMAN, HERBERT (S'49-A'50-M'55), Engr., RCA, Camden, N.J.

 SPIELMAN, STANLEY (M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SPIELMAN, STELING C. (S'33-A'35-SM'45), Dir., Engr., Govt. & Industrial Div., Philoc Corp., 4700 Wisshickon Ave., Philadelphia 44, Pa.

 SPIER, CLIFTON G. (S'56-M'59), Assoc. Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 SPIERR, EDWARD D. (S'52-M'58), Project Engr., Magnetic Analysis Corp., 42-44 12 St., Long Island City 1, N.Y.

 SPIES, DAVID (A'57), Mgr., Internatl. Distributing Co.,
- SPIES, DAVID (A'57), Mgr., Internatl. Distributing Co., Internatl. Sound Engrg. Co., 185 Central Ave., East Orange, N.J.
- N.J.
 SPIES, FELIX A. (A'55), Electronics Engr., Bendix Aviation
 Corp., Box 1159, Kansas City 41, Mo.
 SPIES, MARK C. (A'27-VA'39-M'55), Head, C-I Branch,
 Avionics Div., Bureau of Aeronautics, Navy Dept., Washington 25, D.C.
- SPIGMESE, EDWARD E. (S'55-M'59), Electronics Engr., ITEK Corp., Waltham, Mass. SPIKER, RAY A. (M'56), Group Engr. & Chief Radio Operator, Martin Co., Baltimore 3, Md.
- SPIKULA, RUSSELL W. (A'50-M'55), Test Set Design Engr., Western Electric Co., Lexington Rd., Winston-Salem, N.C.
- SPILLOTIS, PETER J. (A'56), Radar Systems Engr. Raytheon Mfg. Co., Wayland, Mass. SPILKER, JAMES J., JR. (S'55–M'59), Research Scientist, Lockheed Missile & Space Div., 3251 Hanover St., Palo

- SPILKER, JAMES 3., JR. 13 3.3 3.51 Hanover St., Palo Lockheed Missile & Space Div., 3251 Hanover St., Palo Alto, Calif.

 SPILLANE, JOSEPH K. (M'56), Field Engr. II, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SPILLANE, LEWRENCE R. (S'52-A'54-M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SPILLANE, LESTER W. (A'53), Communications Atty. & Consultant, Hearne & Spillane, Central Tower Bidg., San Francisco, Calif.

 SPILLANE, THOMAS F. (S'54-A'55), Lt. jg., USNR, Guided Missile Instr., Comtrapac Staff, U.S. Fleet Sonar School, San Diego, Calif.

 SPILLER, HOWARD A. (M'56), Tech. Operations Supvr., Westinghouse Broadcasting Co., Inc., KYW & KYW-TV, B15 Superior Ave., Cleveland 14, Ohio.

 SPILLMAN, RALPH M., JR. (S'54-M'56), Design Engr.,

- SPILLMAN, RALPH M., JR. (5'54-M'56), Design Engr., McDonnell Aircraft Corp., St. Louis 3, Mo. SPILMAN, JAMES C. (S'48-A'49-M'55), Electronics Specialist, TEMCO Aircraft Corp., Box 6191, Dallas, Tex.
- Tex.

 SPILMER, 8EVERLY H. (A'49-M'55), Electronic Scientist, USN Electronics Lab., San Diego 52, Calif.

 SPILSBURY, ASHTON J. (M'57), Pres., Splisbury & Tindall, Ltd., 120 E. Cordova St., Vancouver 4, 8, C., Canada.

 SPINDELL, FREEMAN A. (M'46-SM'51), Mgr., Prod. Engro. Dett., Lab. for Electronics, Inc., 75 Pitts St., Boston 14, Mass.
- BOSTON 14, Mass.
 SPINDLER, CHARLES W., JR. (SM'55), Sr. Electronics Engr., Electronic Controls Div., The 8udd Co., 2450 Humting Park Ave., Philadelphia 32, Pa.
 SPINDLER, GEORGE B. (S'55–M'56), Engrg. Physicist, Defence Research Board, Box 1427, Valcartier, P. Q., Canada.
- SPINELLA, JOSEPH D. (S'56-M'58), Electronics Engr., Univ. of California Radiation Lab., Livermore, Calif.

- SPINELLA, JOSEPH D. (S'56-M'58), Electronics Engr., Univ. of California Radiation Lab., Livermore, Calif. SPINK, PAUL G. (A'55), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. SPINKS, ALMON W. (A'42-M'55), Elec. Engr., Natl. Bureau of Standards, Washinaton 25, D.C. SPINNER, CLARENCE R. (S'52-A'54), Naval Aviator, USN, 144 Locust St., Lockport, N.Y. SPINNER, LAWRENCE N. (A'43-M'55), Chlef, Special Navigation Devices Branch, FAA Technical Development Center, Indianapolis 21, Ind. SPINRAD, ROBERT J. (S'52-A'55-M'56), Engr., Brookhaven Natl. Lab., Upton, L.I., N.Y. SPIRA, HERBERT (M'57), Electronics Engr., RCA, 11819 N. Olympic Blvd., Los Angeles 64, Calif. SPIRA, JOEL S. (M'54), 180 Riverside Dr., New York 24, N.Y. SPIRA, SPERICLES (S'56-M'57), Assoc. Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. SPIRO, NORMAN J. (S'48-A'51-M'54), Engr., ITT Labs., 253 Main St., Belleville, N.J. SPIRO, SPERO J. (M'58), Field Engr., RCA Electron Tube Div., Merchandise Mart, Chicago, III.
 SPISAK, GEORGE C. (S'52-A'54-M'59), Distribution Systems Planning Engr., Commonwealth Edison Co., 1000 Skokie Blvd., Northbrook, III.
 SPITALNY, ARNOLD (M'55), Engr., Norden-Ketay Corp., 121 Westmoreland Ave., White Plains, N.Y.

SPI-STA - 389 -

- SPITERI, JOSEPH, JR. (S'55-A'55), Technician, Sonotone Corp., Saw Mill River Rd., Elmsford, N.Y. SPITAL, WILLIAM R. (A'40-M'55), Owner, Highland Engra. Co., Westbury, L.I., N.Y. SPITTLE, SAMUEL E. (M'52), Electronics Engr., Army Electronic Proving Ground, Ft. Huachuca, Ariz.
- Electronic Proving Ground, Ft. Huachica, Artz. SPITZ, DANIEL C. (M'755), Electronics Engr., USCG Hgrs., Washington 25, D.C. SPITZ, HERBERT S. (A'56), Reliability Engr., Missile Systems Div., Raytheon Mfg. Co., Bedford, Mass. SPITZ, MILTON E. (M'58), Engr., Raytheon Mfg. Co., Waltham, Mass.
- Waitham, Mass.
 SPITZ, THEODORE S. (S'54-M'57), Electronics Design Engr., Curtiss-Wright Electronics Div., Carlstadt, N.J. SPITZAK, EDWARD W. (S'57-M'59), Systems Engr., GE Systems Equipment Engrg., Syracuse, N. Y. SPITZER, CHARLES F. (S'42-A'46-M'52-SM'55), Mgr., Solid State Electronics, Lockheed Missile & Space Div., Hanover St., Palo Alto, Calif.

- Solid State Electronics, Lockneed Missile & Space DIV., Hanover St., Palo Alto, Calif.

 SPITZER, EDWARD (S'156-M'58), Engr., Instrumentation Lab., MiT, Cambridge 39, Mass.

 SPITZER, EDWIN E. (A'28-M'38-SM'43-F'156), Operations Mgr., Power Tubes, RCA, New Holland Pike, Lancaster, Pa.

 SPITZER, NORMAN S. (A'5B), Owner & Mgr., Berkeley Avionics, 2221 San Pablo Ave., Berkeley, Calif.

 SPIVEY, JAMES F. (M'59), Dev., Engr., Slerra Electronics Corp., 38BS Bohannon Dr., Menlo Park, Calif.

 SPLEES, WILLIAM G. (S'53-M'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 SPLES, PAUL D. (S'56-M'58), Engr., Bendix Prods. Div., Missiles, 400 S. Beiger St., Mishawaka, Ind.

 SPLITT, FRANK G., JR. (A'54-SM'59), Sr., Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, III.

 SPOCK, ROBIN E. (S'56-M'59), Asst. Prof., Electronicgy, Staten Island Community College, St. George, S. I., N. Y.

 SPOELSTRA, RUDOLF J. (M'56), Design & Dev. Engr.,

- S.I., N.Y.

 SPOELSTRA, RUDOLF J. (M'56), Design & Dev. Engr.,
 RCA, Camden, N.J.

 SPOEN, LEO R., JR. (M'56), Elec. Engr., Applied Research
 Lab., Univ. of Arizona, Tucson, Ariz.

 SPORAS, FRANCIS J. (S'57-M'59), Staff Mem., Sandia
 Corp., Sandia Base, Albuquerque, N.M.

 SPONABLE, EARL I. (SM'53), Dir., Research & Dev.,
 Twentieth Century-Fox Film Corp., 460 W. 54 St., New
 York 19, N.Y.

 SPONEYBARGER, JOHN O. (M'56), Airways Tech. District
 Supvr., FAA, U.S. Govt., New York Internati. Airport,
 Jamaica, L.I., N.Y.; Hgrs. Box 508, New Cumberland, Pa.

 SPONGBERG. ROBERT C. (A'53-M'56), Sr. Production
- SPONGBERG, ROBERT C. (A'53-M'58), Sr. Production Engr., Transitron Electronics Corp., 403-407 Main St., Melrose, Mass.
- SPONSLER, JOHN W. (A'54), Assoc. Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass. SPONTAK, JOSEPH (M"56), Sect. Mor., Missile Guidance Sect., Westinghouse Elec. Corp., Box 4222, Patrick AFB, Fla.
- Prod., JAMES (M'56), Asst. Plant Mgr., USI Robodyne, Div., U.S. Industries, Inc., B411 2nd Ave., Silver Spring, Md.
- SPOONER, A. J. (A'43-M'53), Owner, & Partner, Two-Way Radio Communications Co., 921 N.W. 4 St., Okiahoma City, Okla.

- Radio Communications Co., 921 N.W. 4 St., Okiahoma City, Okla.

 SPOONER, FREDERICK E. (M'57), Research Engr. (Electronics), Rank Precision Industries, Ltd. (Research Lab.), 52 A Goldhawk Rd., London, W. 12, England.

 SPOONER, MORTON G. (S'54-M'56), Research Electronics Engr., Comeil Aeronautical Lab., Inc., 4455 Genesee St., Buffalo 21, N.Y.

 SPOOR, THEODORE A. (A'48-M'55), Phillips Mexicana, S.A. Apartado Postal 27720, Mexico 15, D.F., Mexico. SPORTY, SIDNEY (A'52), Pres., Wexler & Sporty, Inc., 125 Lafayette St., New York 13, N.Y.

 SPOSATO, FRANK J. (S'51-A'52-M'57), Electronics Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

 SPOSILI, MARTIN C. (S'56-M'59), Sales Specification Engr., Scintilla Div., Bendix Aviation Corp., Sidney, N.Y.

 SPRACKLEN, RUSSELL K. (A'54), Electronics Technician, Natl. Bireau of Standards, Boulder, Colo.

 SPRADLIN, JOE D. (M'52), Design Specialist, Convair, Grant's Lane, Ft. Worth 1, Tex.

 SPRADLIN, KIRT M. (A'52-M'57), Head, Instrumentation Systems Dev., Rheem Mig. Co., Downey, Calif.

 SPRAFKIN, HERBERT M. (S'57-M'58), Elec. Engr., Reeves Instrument Corp., East Gate Bild., Garden City, L.I., N.Y.

 SPRAGG, LEONARD A. (A'47-M'48), Staff Operations Engr., Sterms Brandrasking Co., 1377 Kern Processing Control of the Control of the Control of Sterm Brandrasking Co., 1377 Kern Processing Control of Sterm Brandrasking C

- SPRAGG, LEONARD A. (A'47-M'48), Staff Operations Engr., Storer Broadcasting Co., 1177 Kane Concourse, Miami Beach 41, Fla.
- SPRAGINS, JOHN D., JR. (S'56-M'59), Engr., Ampex Corp., 934 Charter St., Redwood City, Calif. SPAGUE, CHARLES II. (M'59), Collins Radio Co., Cedar Rapids, Iowa.

- Cedar Rapids, Iowa.
 SPRAGUE, DAVID L. (A'52), Lab. Supvr., Microdot, Inc., 220 Pasadena Ave., Pasadena, Calif.
 SPRAGUE, GEORGE F. (SM'58), Chief Engr., WLOS-TV, AM, FM, Box 215D, Asheville, N.C.
 SPRAGUE, GEORGE J. (S'58-A'59), Engra. Aide, Hazeltine Electronic Corp., Little Neck 62, L.I., N.Y.

- SPRAGUE, GEORGE J. (S:8-A:59), Engra. Alde, Hazeltine Electronic Corp., Little Neck 62, L.I., N.Y. SPRAGUE, LLOYD G. (M'59), Elec. Engr., Corning Glass Works, Corning, N.Y.
 SPRAGUE, RICHARD E. (A'52-M'57), Mgr., Field Sales, Televegister Corp., 445 Fairfield Ave., Stanford, Conn. SPRAGUE, ROBERT C. (SM'53), Chmn. of Bd. & Treas., Sprague Electric Co., 97 Marshall St., North Adams, Mass. SPRAGUE, ROBERT M. (A'32-M'55), Project Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.
 SPRAGUE, V. GILBERT (A'32-W'35-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.T. Sprague, Process Dev. Sect., GMC, Box 12B, Detroit 2, Mich. SPRAGUE, PUILLIAM L. (S'54-M'58), Jr. Engr., Process Dev. Sect., GMC, Box 12B, Detroit 2, Mich. SPRAMCER, Puill E, (A'50), Sert. Head, Bendix Avlation Corp., 11600 Sherman Way, North Hollywood, Calif. SPRILEY JAMES B. (M'54), Staff Engr., The Chesapeake & Potomac Telephone Co. of Virginia, 703 E. Grace St., Richmond 19, Va.
 SPRATT, E.L. (A'56), Engr., Western Electric Co., Kearmy, N.J.
 SPRATT, E.L. (M'56), Sr. Engr., Librascope, Inc.,
- SPRAY, WALTER D. (M'5B), Sr. Engr., Librascope, Inc., BOB Western Ave., Glendale 1, Calif.

- SPRECHER, NEWELL D. (5'49-A'50-M'55), Sales Engr., Audio Development Co., 2833 13 Ave., S., Minneapolis 7, Minn.

- Audio Development Co., 2833 13 Ave., S., Minneapolis, 7, Minn.

 SPRENGELER, DONALD F. (M'56), Electronics Design & Dev., Martin Co., Box 179 Denver 1, Colo.

 SPRENGELER, JOHN H. (M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 SPRIES TERSBACH, RONALD C. (M'57), Sr. Engr., Librascope, Inc., 808 Western Ave., Glendale 1, Calif.

 SPRIGGS, ALVA J. (SM'47), V.P., Eastern Operations Tech. Prods. Div., Packard-Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.

 SPRIGGS, LUCIAN A., JR. (A'54-M'55), Design Engr., Union Switch & Signal Div., WAB Co., 1789 Braddock Ave., Pittsburgh 1B, Pa.

 SPRINGE, LUDWIG K. C. (S'54-A'55), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif.

 SPRINGEL, MARTIN (M'58), Field Engr., Philto TechRep Div., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 SPRINGER, C. JOSEPH (A'577), Sr. Engr., Duguesne Light Co., 435 6 Ave., Pittsburgh 19, Pa.

 SPRINGER, C. JOSEPH (A'577), Sr. Engr., Duguesne Light Co., 435 6 Ave., Pittsburgh 19, Pa.

 SPRINGER, GEORGE P. (A'59), Eddie's Radio & Television, Eaton, Ind.

 SPRINGER, KARL E. (S'54-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 SPRINGER, LAMAR D. (A'49-SM'5B), Sr. Electronics Engr., Booz-Allen Applied Research, Inc., 40B W. Main St., Faltrorn, Ohio.

 SPRINGER, PAUL W. (A'42-M'46-SM'53), Chlef Radiation Sect., Aerial Reconnaissance Lab. Mulicibet.

- SPRINGER, PAUL W. (A'42-M'46-SM'53), Chief Radiation Sect., Aerial Reconnaissance Lab., Wright-Patterson AFB, Ohio.

- Patterson AFB, Ohio.

 SPRINKLE, MELVIN C. (A'42-M'55), Supvg. Engr., Standards, Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

 SPRINZ, ELLIOT (A'52-M'57), Head, Electronics Group, Kearlott Co., 14B44 Oxnard, Van Nuys, Calif.

 SPRONG, DDRVAL C. (A'52-M'5B), Head, Engrg. Dept., Computer Control Co., Inc. (Western Div.), 2251 Barry St., Los Angeles 64, Calif.
- St., Los Angeles 64, Calif.
 SPROUL, PHILIP T. (S'37-A'39-SM'46), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.
 SPROUL, ROBERT W. (M'56), Chief Engr., Communication
 Systems, National Co., Inc., 61 Sherman St., Malden 4B,
 Mass.
- SPROULE, JDHN H. (SM'56), Chief, Physical Defense Branch, Weapons Guidance Lab., Wright-Patterson AFB, Ohio.
- Ohio.

 SPROUSE, PAUL J. (A'55), Sr. Engr., Test Equipment,
 Bendix Prods. Div., 400 S. Beiger St., Mishawaka, Ind.
 SPROWLS, PAUL H. (M'54), Sr. Engr., RCA, Missile
 & Surface Radar Dept., Moorestown, N.J.
 SPRUNG, JOSEPH (A'45-M'55), Mgrs. Rep., 254 W. 31
 St., New York 1, N.Y.
 SPRUNG, ROBERT A. (A'49-M'53), Mgr., Liaison Engr.,
 Robinson Technical Prods, Inc., Teterboro Air Terminal,
 Teterboro, N.J.
 SPRUNGER ROBERT W. (SIAP AIACO MISSILE)

- SPRUNGER, ROBERT W. (S'4B-A'49-M'55), Sr. Engr., Motorola, Inc., 4501 Augusta Blvd., Chicago 51, III. SPRUNK, WILLIAM, JR. (S'50-A'52-M'5B), Lt., USN, Naval Aviator, Test Officer, Naval Air Engrg. Facility, Phil-adelphia, Pa.

- adelphia, Pa.

 SPUHLER, HAROLD A. (A'45-M'55), Research Assoc.,
 Univ. of Illinols, Urbana, Ill.

 SPURCK, RICHARD F. (A'55), Dev. Engr., Machlett Labs.,
 Springdale, Conn.

 SQUARE, ARNOLD L. (S'54-A'55), Engrg. Asst., Raytheon
 Mfg. Co., Wayland, Mass.

 SQUASSOM, GINO F. (SM'59), Engrg. Mgr., Electronics
 Dev. Dept., Mergerthaler Linotype Co., 29 Ryerson St.,
 Brooklyn, N. Y.

 SQUIBB, W. FOY (A'38-VA'39-M'55), Head, Antenna Branch,
 USN Electronics Lab., San Diego 52, Calif.

 SQUIRE, REGINALD K. (M'57), Head, Tech. Engrg. Dept.,
 Explosives Ordanace Disposal Technical Center, Indian Head,
 Md.
- SQUIRE , ROBERT W. (S'51-A'53-M'5B), Electronics Engr., Convair-Astronauties , 5001 Kearney VIIIa Rd., San Diego
- Convair-A 4, Callf.
- 4, calli.
 SQUIRES, DONALD C. (A'56), Dev. Engr., Aerojet Genl.
 Corp., Box 296, Azusa, Calif.
 SQUIRES, EMERSON G. (A'35-M'44), TV Engr., NBC,
 Merchandise Mart, Chicago 54, Ill.
 SQUIRES, FLOYD B., JR. (M'55-SM'5B), Mgr., Environmental Lab., Hoffman Labs. Div., 3761 S. Hill, Los Angeles, Calif.
- geles, Calif.

 SQUIRES, JAMES R. (S'55-A'57), Sr. Research Technician, Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 SQUIRES, WILLIAM K. (A'50-M'51-SM'57), Electronic Engr., Rand Corp., 1700 Main St., Santa Monica, Calif.

 SQUITIERI, ANTHONY M. (S'42-A'47-M'55), Specialist, Electronics Engr., Republic Aviation Corp., Missile Systems Div., 223 Jericho Toke, Mineola, L.I., M.Y.

 SRADERS, CUNTIS (S'55-M'57), Communications Officer, 787th ACWRON, USAF, Chandler Air Force Sta., Minn.

 SREB, JULES H. (A'43-M'55), Physicist, 203 Elmira St., S. W., Washington 24, D. C.

 SREBRO, JOSEPH L. (A'57), Broadcast Sta. Engr., Scranton Broadcasters, Inc., 1000 Wyoming Ave., Scranton, Pa.

 SREENIVASAN, K. (M'34-SM'43), Prof., Dept. of Elec. Comm. Engrg., Indian Institute of Science, Bangalore 3, India.

- SRINIVASAN, SUBRAHMANYAM (M'58), Electronics Maint. Engr., (Canada-India Reactor), Atomic Engray Est., Trombay, Bombay 3B, India.

- Bombay 3B, India.

 SROLOVITZ, HARVEY R. (A'57), Computer Service Engr.,
 RCA, Camden, N. J.

 SRONCE, GEORGE S. (M'4B), Chief Engr., Radio Sta.

 KFBK, McClatchy Broadcasting Co., 21 & Q Sts., Sacramento 16, Calif.

 SROUFE, JAMES G. (A'55), Radar Instr., FAA, Aeronautical Center, Box 10B2, Oklahoma City, Okla.
- nautical Center, Box 1082, Oklahoma City, Okla,
 SRYGLEY, O, CARL (SW157), Project Engr., Melpar, Inc.,
 3000 Artington Blvd., Falls Church, Va.
 STAAB, PAUL C. (A'52), Parts Deot., Hughes-Peters Inc.,
 1128 Sycamore St., Cincinnati 10, Ohio.
 STAAKE, DONAL B. (A'47-SM'54), Group Supvr., The
 Johns Hopkins Univ., Applied Physics Lab., Silver Spring,
 Md.
- STAAS, PHILIP C. (S'57-M'59), WADC, Area B, Box 7364, Wright-Patterson AFB, Ohio

- STAATS, ANNA A. (SM'59), Editor, Engrg. Publications, Hughes Aircraft Co., Culver City, Calif.
 STAATS, ROBERT L. (S'57-M'59), Jr., Engr., Dalmo Victor Co., 1515 industrial Way, Belmont, Calif.
 STAATS, RUSSELL U. (A'55), Sr. Lab. Technician, Motorola Research, 3102 N, 56 St., Phoenix, Ariz.
 STABLER, EDWARD P. (S'52-A'54), Engr., GE Co., Syracuse, N, Y.
- Syracuse, N.Y.

 STABLER, HOWARD P. (SM'55), Prof., Physics, Williams
 College, Thompson Physical Lab., Williamstown, Mass.

 STACEY, DAVID S. (S'41-A'43-SM'52), Tech. Dir.,
 Ball Brothers Research Corp., E. Arapahoe, Boulder, Colo.

 STACEY, JOSEPH M. (A'51-M'56), Tech. Staff, Space
 Technology Labs., 80x 95001, Los Angeles 45, Calif.

 STACHEJKO, VITALY (M'59), Engr. C, RCA, Moorestown,
- STACIOKAS, LEON J. (M'56), Test Engr., IBM, Pough-
- STACK, (STACHIEWICZ) BOGDAN R. (A'50-M'53), Sr. Mem. Tech. Staff, ITT Labs., 937 Commercial St., Palo Alto, Calif.
- STACK, GERALD C. (S'49-A'52-M'57), Tech. Services Mgr., ElectroData, Div, of Burroughs Corp., 460 Sierra Madre Villa, Pasadena, Calif.
- MADDER VIJAH, PASAGERIA, CALITY, SUPER, SYSTEMS TRAINING 8MEWS, GE CO., HMED, Syracuse, N.Y.
 STACK, THEODORE K. (5'56-M'57), Elec. Field Engr., Westinghouse Elec. Corp., 600 St. Paul Ave., Los Angeles, Calif.
- STACK-FORSYTH, ERIC F. (SM'56), Rhodes Univ., Grahamstown, South Africa. STACKHOUSE, AMOS (S'56-M'5B), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
- Hugnes Aircran Co., Culver City, Calif,
 STACY, JOHN E. (A'43-M'45-SM'50), Mgr., Navigation
 Sales, Lab, for Electronics, Inc., 75 Pitts St., Boston,
 Mass.
 STACY, ROBERT A. (M'50-SM'57), Supvy, Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

- nati 25, Ohio.

 STADIG, SIDNEY V. (M'50), Chief Engr., KYW, KYW-FM, KYW-TV, Westinghouse Broadcasting Co., Inc., B15
 Superior Ave., Cleveland, Ohio.

 STADNIK, T. JOSEPH (A '5B), Electronics Technician,
 Westinghouse Elec. Corp., Horseheads, N.Y.

 STADNITSKI, ROBERT K. (M'59), Publications Engr.,
 Polytechnic Research & Development Co., Inc., 202 Tillary
 St., Brooklyn 1, N.Y.

 STAEHLER, ROBERT E. (A'54), Sub., Dept., Head, Bell
 Tel., Labs., Whippany, N.J.

 STAFFIN, ROBERT (S'53-A'55), Research Engr., RCA,
 Princeton, N.J.

- STAFFIN, RUBERT 13
 Princeton, N. J.
 STAFFORD, BRUCE H. (M'52), Chief, Operations Analysis, USAF, Hors. 8th AF, Westover AFB, Mass.
 STAFFORD, JEROMEW (M'44), Engr., Westrex Corp., 6601 Romaine St., Hollywood 3B, Calif.
 STAFFORD, JOHN A. (M'51), Assoc. Dev. Project Engr., Schlumberger Well Surveying Corp., 5000 Freeway, Houston 23. Tex.
- STAFFORD, JOSEPH H. (S'58-M'59), Chief Engr., Columbus Electric Mfg. Co., 2005 E. Main St., Columbus 5, Ohio.
- STAFFORD, KENNETH E., JR. (M'56), Supvr., Quality Control, Victoreen Instrument Co., 5B06 Hough Ave., Cleveland 3, Ohio

- Cleveland 3, Onio.
 STAFFORD, OSBURNE C. (M'59), Engr., Western Electric Co., B01 Merritt Dr., Greensboro, N.C.
 STAFFORD, ROBERT H. (A'56), Project Engr., Radio Condenser Co., Copewood St., Camden 3, N.J.
 STAFFORD, THOMAS S. (S'56-M'59), 4426 Yuma Dr., Madison 5, Wis.
- STAFFORD, WALTER F. (A'55), Asst. Prof., Neurology, Univ. of Buffalo, School of Medicine; Principal Research Neurologist, Cornell Aeronautical Lab., Inc., Buffalo 21,
- N.Y. STAGER, DAVID N. (S'56-M'58), Assoc. Engr., Douglas Aircraft Co., Santa Monica, Calif. STAGNARO, JOHN A. (A'27-VA'39-SM'4B), Chief Sta Engr., KABC-TV, ABC Television Center, Hollywood 27, Calif.

- Calif.
 STAGNER, GORDON H. (A'49-M'55), Engr., Chg., Koko Head Receiving Sta., RCA Communications, Inc., 525 Lunalilo Home Rd., Honolulu 16, Hawaii.
 STAHL, ARRAHAM S. (SM'56), Pes., Federal Television Corp., 19-10 23 Terr., Long Island City 5, N.Y.
 STAHL, BARTON E. (A'29-VA'39), Sta. Engr., WRC, NBC, 6000 Ager Rd., West Hyattsville, Md.
 STAHL, CURT (A'53-M'5B), Chief Engr., Electronic Div., U.S. Broadcast Checking Corp., 369 Lexington Ave., New York 17, N.Y.
 STAHL, JOSEPH (A'45-M'46-SM'5R), C. Pacasarch Engr.
- YORK 1/, N.Y.

 STAHL, JOSEPH (A'45-M'46-SM'5B), Sr. Research Engr.,
 No. Amer. Aviation, Internati, Airport, Los Angeles 45,
 Calif.
- Calif.

 STAHL, KENNETH L. (S'56-M'58), Applications Engr., Delco Radio Div., GMC, 700 E. Firmin, Kokomo, Ind.

 STAHL, MAURICE D. (A'37-VA'39-M'55), Chief Physicist, The Hoover Co., North Carton, Ohio.

 STAHL, PHILIP D. (A'43-M'47-SM'55), Sr. Staff Mem., Genl. Precision Lab., Inc., Pleasantville, N.Y.

 STAHL, RAYMOND A. (S'51-M'57), Supvr., Receiver Design, Tele-Dynamics, Inc., 5000 Parkside Ave., Philadelphia 31, Pa.

- delphia 31, Pa.

 STAHL, RAYMOND W. (M'54), Construction & Maint,
 WCAU Broadcasting Co., City Line Monument Ave., Philadelphia 31, Pa.

 STAHL, RICHARD (A'52), Research Engr., Rand Corp.,
 1700 Main St., Santa Monica, Calif.
 STAHL, ROBERT J. (1'42-A'43-M'49), Mgr., Hydraulics
 Div., Dalmo Victor Co., Belmont, Calif.
- STAHL, WILLIAM L. (SM'51), Staff Engr., IBM, Pough-
- keepsie, N.Y.

 STAHLBERGER, WILLIAM C. (M'58), Engro, Technician, USAF, Hars, GEEIA, Griffiss AFB, Rome, N.Y.

 STAHLER, YLD E. (SM'58), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 STAHMANN, JAMES R. (A'47-M'55), Asst. Dir., Lightning & Transients Research Institute, 3011 Foshay Tower, Minneapolis 2, Minn.
- STAINTHORPE, ROBERT L. (M'57), Electronics Engr., Racal Engrg., Ltd., Bracknell, Berks., England.

- STAIR, RALPH (A'42-SM'52), Physicist, Natl. Bureau of Standards, Washington 25, D.C.
 STALCUP, TOMMY L. (S'56-M'57), Test Engr. "B," Convair-Astronautics, San Diego, Calif.
 STALDER, JOHN J. (M'58), Research Scientist, New York Univ. Research Div., 401 W. 205 St., New York 34, N.Y.
- STALEMARK, F. RAGNAR V. (A'52), Pres., TUAB, Teleutredningar Aktiebolag, Sveavagen 163, Stockholm,
- Sweden.
 STALEY, IRA B. (S'57-M'59), Design Engr., Aerojet-Genl.
 Corp., Box 460, Frederick, Md.
 STALEY, JAMES D. (S'55-M'5B), Ensign, Civil Engr.
 Corps., USNR, USN, Res. Officer-in-chg., Construction,
 Clinton-Sherman AFB, Foss, Okla.
- STALFORD, WILLIS E. (S'4B-A'50-M'53), Head, Underwater Ordnance Dept., Bendix Aviation Corp., 11600 Shemnan Way, North Hollywood, Calif. STALKER, FRANK B. (S'53-M'56), Sr. Engr., ITT Labs., Nutley 10, N.J.
- STALLARD, LANGDON B. (M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.

- Poughkeepsie, N.Y.
 STALLER, JACK J. (SM'57), Sr. Engr., Arma Div., Garden City, L.I., N.Y.
 STALLER, KAREL J. (M'5B), Project Engr., ITT Labs., Nutley 10, N.J.
 STALLINGS, ROBERT E. (S'56-M'5B), Design Engr., E-1, Crosley Div., Avco Mfg. Co., 1329 Arlington Ave., Cinctinata, Ohio.
- STALLMAN, HARLEY E. (M'57), Electronics Design Engr., Lenkurt Electric Co., 1105 County Rd., San Carlos, Calif. STALLONE, MICHAEL J. (SM'5B), Liaison Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City,
- N.Y.
 STALLS, WILLIAM M. (S'54-M'5B), Design Engr., Martin Co., Orlando, Fla.
 STALLWORTH, ASBURY W., JR. (A'54), Sr. Training Instr., C. W. Trucking Systems, RCA Service Co., Missile Test Project, Patrick AFB, Fla.
- STALMA, JOHN F. (S'56-M'57), Jr. Engr., IBM, Vestal,

- STALMA, JOHN F. (S'56-M'57), Jr. Enpr., IBM, Vestal, N.Y.
 STAMBAUGH, DONALD W. (S'4B-A'49-M'55), Sr. Project Engr., Arvin Industries, Inc., Columbus, Ind.
 STAMBAUGH, ELMER D. (A'54), Mgr., Quality Control, Collins Radio Co., 1930 HLLine Pr., Dallas, Tex.
 STAMBAUGH, JAMES C. (A'45-M'47), Tech. Editor, Philod Corp., G & I Div., Abbotsford & Wissahickon, Philadelphia, Pa.
 STAMESON, SPIRO A. (S'51-A'54), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
 STAMLER, LEO (S'49-A'51-SM'54), V.P. & Chief Engr., Consolidated Airbome Systems, Inc., 72 E. 2nd St., Mineola, L.I., N.Y.
 STAMMERJOHN, LAMBERT W. (A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 STAMMPOULOS, CHARALAMBOS D. (SM'52), Asst. Prof., Laboratorio De Isotopos, Fac. Med., Univ. Sao Paulo, Av. Or., Amaldo, Sao Paulo, Brazil.

- Paulo, Av. Or., Amaldo, Sao Paulo, Brazil.
 STAMOS, CHRISTOS G. (S'56-M'58), Assoc. Engr., IBM,
 Owego, N.Y.
 STAMPALIA, IVAN J., JR. (S'47-A'49-M'55), Chief
 Electro-Dynamics Staff, Boeing Airplane Co., Transport
 Div., Renton, Wash.
- STAMPFL, RUDOLF A. (A'54), Sr. Dev. Engr., U. S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.
- STAMPS, GEORGE M. (M'53), Asst. Chief Engr., Hogan Labs., Inc., 155 Perry St., New York 14, N.Y. STAN, JOHN (S'47-A'49-M'5B), 1560 S. St. Andrews Pl., Los Angeles 19, Calif.

- PI., Los Angeles 19, Calif. STANBERY, JOHN F. (A'45-M'46-SM'51), Southeastern Div. Rep., Collins Radio Co., Dogwood Rd., Fountain City, Knoxville, Tenn. STANCHI, LUCIANO A. (A'56), Research Engr., Comitato Nazionale Ricerche Nucleari, Via Cerva 31, Milano, Iday. STANCLIFF, VICTOR A. (A'51-M'55), V.P., United Mrg. Co. Div., W. L. Maxson Corp., 41 Haig St., Hamden 14, Conn.
- STAND, THOMAS R. (A'46), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.
- STANOER, LEONARO (S'54-M'57), Engr., RCA, Moores-town, N.J.

- town, N. J.

 STANDEVEN, JOSEPH D. (M'57), Assoc. Engr., IBM, Research Lab., Poughkeepsie, N. Y.

 STANDISH, MYLES M. (S'57-M'58), Electronics Engr., Civil Service, Redstone Arsenal, Ala.

 STANDLEY, ROBERT D. (M'59), Electronics Engr., U. S. Army Signal Research and Development Lab., Ft. Monmouth, N. J.
- STANDRING, HENRY A. (M'56), Chief, Operations Unit, US AEC, Communications Sect., 475 20 St., Los Alamos, N.M.
- N.M.
 STANEK, WILLIAM F. (A'54), Owner, Stanek Electronics
 Labs.. 277 Broad St.. Manchester, Comn.
 STANESCKI, WILLIAM (S'54-M'56), Engr., Wheeler
 Electronic Co.. 150 E. Aurora St.. Waterbury 20, Conn.
 STANFIELD, F. LOGAN (M'57), 1200 5 Ave., New

- STANFORD, JAMES A. (M'57), Posign Engr., Air-By-Gomer Identified Texts. (M'57), Posign Engr., Air-By-Gomer Identified Engr., Air-By-Gomer Identified Engr., Air-By-Gomer Identified Engr., Air-By-Gomer Identified Engr., Convair, Ft. Worth, Tex.

 STANFORD, JAMES A. (M'57), Electronics Engr., Temco Aircraft, Box 6191, Dallas 22, Tex.

 STANFORD, ROBERT W. (M'57), Project Engr., Air-By-Gound Identification Transponders, Wright Air Development Center, Wright Patterson AFB, Ohio.

 STANGEL, JOHN J. (M'59), Asst. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 STANGEL, WALLACE J. (A'42-M'55), Chief Engr., WBAY-WBAY-TV, 115 S. Jefferson, Green Bay, Wis.

- WIS.
 STANGHELLINI, ETTORE (A'59), 33 Via Parlamento,
 Borgolombardo, Milano, Italy.
 STANGL, FREDERICK P. (M'47-SM'55), Major, Signal
 Advisor to the Commanding Genl., Military Assistance
 Advisory Group, France, MAAG-FRANCE, APO 230, New York . N .Y .

- STANGLAND, DONALD E. (A'56), 3390 N. River Rd., Salem, Ore.
- Salem, Ure.

 STANGLER, DONALO M. (S'53-A'54), Specialized
 Systems & Development Engrg., RCA, Camden 2, N.J.

 STANHOPE, RICHARD D. (S'53-A'55), Elec. Engr.,
 Moloney Electric Co., 5300 Bircher Blvd., St. Louis
 20, Mo.
- STANIFORTH, ALAN (A'45-M'55-SM'5B), Sr. Research Officer, Natl. Research Council, Montreal Rd., Ottawa, Ont., Canada.
- STANILOFF, SELDON A. (A'57), Engrg. Liaison, Avion Div., ACF Industries, Inc., 11 Park PI., Paramus, N.J.
- Formulas, N.J.

 STANISZEWSKI, JOSEPH R. (A'53-M'5B), Elec. Engr., RCA, Princeton, N. J.

 STANKEVICH, PETER A., JR. (S'54-A'55), Sr. Engr., Litton Industries, 336 No. Foothill Rd., Beverly Hills, Calif.

- Calif.

 STANKIEWICZ, STANLEY (SM'56), Asst. Project Engr., Fairchild Astrionics Div., Wyandanch, L.I., N.Y.

 STANKO, EDWARD (A'27-VA'39-SM'53), Mgr., Engr., Tech. Prods. Div., RCA, Camden, N.J.

 STANKOSKY, JOHN J. (M'51), Systems Mgr., Mech. Div., Genl. Mills, Inc., E. Henneoin, Minneapolis 13, Minn. STANKOVICH, DONALO (A'54), Sr. Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 STANLEY, ANTHONY M. (M'56), Sr. Electronics Engr., United Electronics Co., 42 Spring St., Newark 4, N.J.

 STANLEY, CLARENCE B. (M'52-SM'56), Chief Apolications Engr., Myanetic Tape Prods., Ampex Corp., 934 Charter St., Redwood City, Calif.

 STANLEY, EUGENE R. (A'50-M'5B), V.P., Ridgway
- St., Redwood City, Calif.

 STANLEY, EUGENE R. (A'50-M'5B), V.P., Ridgway Engrg., Inc., 1606 N. Illinois St., Indianapolis, Ind.

 STANLEY, GEORGE C., JR. (M'59), Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 STANLEY, GLENN M. (M'55), Research Physicist, USAF Arctic Aeromedical Lab., Fairbanks, Alaska.

 STANLEY, HARRY T. (A'53-M'5B), Design Engr., TV & Radio Div., Westinghouse Elec. Corp., Metuchen, N. J.
- STANLEY, JOHN D. (S'57-A'59), Instrumentation Mech.
 "A", Convair, Ft. Worth, Tex.
 STANLEY, PAUL E. (M'57), Prof., Aeronautical Engrg.,
 Purdue Univ., Lafayette, Ind.

- Purdue Univ., Lafayette, Ind.
 STANLEY, PAUL F. (S'50-A'51-M'56), Project Engr.,
 Royal-McBee Corp., 1031 New Britain Ave., West
 Hartford, Conn.
 STANLEY, ROBERT S. (M'56), Research Geophysicist,
 Humble Oil & Refining Co., Box 21B0, Houston 1, Tex.
 STANLEY, STEPHEN M. (S'55-M'57), Sr. Engr., Western
 Dev. Lab., G. & I. Oiv., Philco Corp., 3B75 Fabian Way,
 Palo Alto, Calif.
- STANNARD, GEORGE E. (S'45-A'47-M'55), Assoc. Prof., Worcester Polytechnic Institute, West St., Worcester 9, Mass.
- STANNEY, WILLIAM J. (A'47-M'52), Supvr., TR Prod. Engrg., Microwave Associates, Inc., South St., Burlington, Mass.
- STANNOW, JORGEN C. (A'35), Chief Engr., Radio Oept., Svenska AB Gassaccumulator (AGA-Radio), Stockholm, Sweden.
- Sveden: Sveden: Sveden: National Control of Sveden: Sv

- STANSELL , THOMAS A., JR. (S'56-M'5B), Elec. Systems Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
- STANSFIELD, FRANICS H. (S'47-A'4B-M'55), Engr Equipment, New York Telephone Co., 140 West St., New York, N.Y. STANSFIELD, SELWYN J. (A'43-M'46), Regional Radio Engr., Michigan Dept. of Conservation, 3335 N. Lansing Ave., Jackson, Mich.
- N. Lansing ver., Jackson, Mich.
 STANTON, AUSTIN N. (SM'55), Chmin., Bd. of Dirs.,
 Varo Mfg. Co., 2201 Walnut St., Carland, Tex.
 STANTON, FRANK (SM'53), Pres., CBS, 4B5 Madison
 Ave., New York 22, N.Y.
 STANTON, FRANK T., JR. (A'56), Free Lance Artist, 343 N. Fullerton Ave., Upper Montclair, N.J.
 STANTON, CEOPES (CMIET) Commercial Control Control
 STANTON, CEOPES (CMIET) Commercial CONTROL
 STANTON, CONTROL
 STANTON
 STANTON, CONTROL
 STANTON
 STANT
- STANTON, GEORGE L. (SM'57), Dept. Chief, Elec. Engro., Western Efectric Co., 3 Latham Rd., Greens-boro, N.C.
- STANTON, GEORGE V. (S'43-A'49-M'55), Mem. Tech. Staff, Ramo Woolridge Corp., Box 90534, Airport Sta., Los Ángeles 45, Calif.
- STANTON, JAMES M. (A'45-M'46), Box 1157, Sheridan,
- Wyo.

 STANTON, JAMES W. (S'49-A'51-M'57), Project Engr.,
 Transistor Application Group, GE Co., Advanced Electronics
 Center at Cornell Univ., E Hill Airport, Ithaca, N.Y.
 STANTON, JOHN S. (M'4B), Electronics Engr., Monsanto
 Chemical Co., 1515 Nicholas Rd., Dayton 7, Ohio.
 STANTON, LEE J. (M'56), Engr., Writer, Volt Tech. Services, 241 Church St., New York 13, N.Y.
 STANTON, LEONARO (M'47), Physicist, Radiology Dept.,
 Hahnemann Medical College & Hospital, 230 N. Broad St.,
 Philadelphia 2, Pa.
 STANTON, SAMUEL W. (A'34-VA'39-M'55), Patent Engr.

- Filiade(phia 2., Pa.

 STANTON, SAMUEL W. (A'34-VA'39-M'55), Patent Engr.,
 Allen B. DuMont Labs., Inc., 2 Main Ave., Passaic, N.J.

 STANTON, WILLIAM A. (M'59), Instr., Electronics Technology, Orange Coast College, 2701 Fairview Rd., Costa
 Mesa, Calif.
- STANTZ, LOUVEER H. (A'41-M'50-SM'55), Electronics Engr., Link Aviation, Inc., Nolan Rd., Binghamton, N.Y. STANULA, WALTER F. (S'58-A'59), 4616 N. Karlov, Chicago 30, III.

- STANWICK, CHARLES A. (A'15-VA'39-M'55XL), 131
 Rynda Rd., South Orange, N.J.
 STANWICK, TAD (SM'53), V.P. & Dir., Cleveland Pneumatic Industries, 1001 Connecticut Ave., N.W., Washington, D.C.
 STANWOOD, ROBERT H. (S'51-A'52), Sr. Engr., Philoc Corp., Philodelphia 44, Pa.
 STAPELFELDT, ROELIF (M'5B), Research Engr., Union Switch & Signal Div., WAB Co., Swissvale, Pa.
 STAPF, MARTIN R., JR. (A'55), Sr. Lab. Technician, Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.
 STAPLER, BERNARD (A'59), Research & Dev. Technician, Columbia Technicial Corp., 61-02 31 Ave., Woodside 77, L.I., N.Y.
 STAPLES, EDMUND B. (A'47-SM'52), Electronics Scien-
- L.I., N.Y.

 STAPLES, EDMUND B. (A'47-SM'52), Electronics Scientist, U.S. Advisory Group, Shape Air Defense Technical Center, Box 174, The Hague, Netherlands.

 STAPLES, ROBERT L. (A'53-M'58), Elec. Engr., Westinghouse Elec. Corp., Box 284, Elmira, N.Y.

 STAPLES, WILLIAM D. (SM'5B), Sr. Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

- STAPLETON, JOEW. (M'55), Oiv. Supvr., Transcontinental Gas Pipe Line Corp., Houston, Tex.

 STAPLETON, ARTHUR A. (A'58), Engra, Technologist, Canadian Natl. Telegraphs, 151 Front St., W., Toronto, Ont., Canada.

 STAPLETON, EMERY R. (S'55-M'57), Field Service Engr., Boeing Airolane Co., Seattle, Wash.

 STAPLETON, CERALD F. (S'55-M'56), 1st Lt., (Communication Officer), USMC. Home: 17-B Eim Or., Marine Corps Base, Twentynine Palms, Calif.

 STAPLETON, JOEW. (M'59), Oiv. Supvr., Transcontinental Gas Pipe Line Corp., Houston, Tex.

 STAPLETON, ROBERT E. (S'56-M'57), Elec. Engr., Staff Mem., Los Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

 STAPP, EOWIN B. (S'56-M'58), Asst. Project Engr.,

- N.M.

 STAPP, EOWIN B. (S'56-M'5B), Asst. Project Engr., Pioneer-Central Div., Bendix Aviation Corp., Hickory Grove Rd., Davenport, Iowa.

 STAPP, IRVINE P., JR. (A'52-M'5B), Physicist, Union Switch & Signal Co. . Swissvale. Pa.

 STAPRANS, ARMAND (S'53-M'57), 2624 Bryant, San Francisco, Calif.

 STAR, JACK (S'54-M'55), Assoc. Electronics Engr., The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

- Md.

 STAR, JOSEPH (SM'54), Div. Head, Sub-Systems Projects, Fairchild Guided Missiles Div. Wvandanch, L.I... Y.

 STAR, MOE (A'52-M'57), Dept. Head, Research & Dev., Bogue Electric Mfg. Co., 52 lowa Ave., Paterson 3. N.J.

 STARACE, NICHOLAS L. (A'55), Plant Mgr., American Standard Television Tube Corp., 94-50 158 St., Jamaica, L.I., N.Y.

- STARACE, NICHOLAS L. (A'55), Plant mgr., American Standard Television Tube Corp., 94-50 158 St., Jamaica, L.I., N.Y.

 STARAI, RUOOLPH (A'56), Electronics Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, III.

 STARAS, HAROLO (M'50-SM'53), Mem. Tech. Staff, RCA Research Labs., Princeton, N.J.

 STARBUCK, FRED (S'52-A'55-M'57), Plec. Engr., Naval Ordinance Lab., Silver Spring, Md.

 STAREK, ROBERT A. (A'43-M'55), Asst. Regional Sales Mgr., Central District, Sylvania Elec. Prods., Inc., 2001 N. Comell Ave., Melrose Park, III.

 STARK, EDWARD W. (S'55-M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 STARK, HOWARD M. (S'55-M'56), Research Scientist, Genl. Transistor Corp., 91-27 13B Pl., Jamaica 35. L.I., N.Y.

 STARK, HUBERT P. (A'41), Research, Hughes Aircraft Co., Culver City, Calif.

 STARK, JAMESA. (A'55-M'5B), Mgr., Phonograph Prod., Engr., GE Co., Ulica, N.Y.

 STARK, JOHN, JR. (S'49-A'50-M'5B), Elec. Engr., RCA, Camden B, N.J.

 STARK, MAVIN K. (S'54-M'57), Project Engr., Proving Ground Sect., CMC, Milford, Mich.

 STARK, HANS H. (A'57), Asst. Engr., Radio Star, CKLB, 16 Centre St., Oshawa, Ont., Canada.

 STARKEY, GEORGE M. (M'52), Plant Supvr., New York Telephone Co., 1051 My. Fayette St., Syracuse, N.Y.

 STARKEY, MARVIN J. (A'50-M'55), Mem. Tech. Staff, Space Technology, Labs., Inc., 5730 Arbor Vita St., Los Angeles 45, Calif.

 STARKS, JAMES C. (M'46-SM'59), Sr. Group Engr., Boeing Airplane Co., Seattle B, Wash.

- Space Technology Labs., Inc., 5/30 Arbor Vita St., Los Angeles 45, Calif.

 STARKS, JAMES C. (M'46-SM'59), Sr. Group Engr., Boeing Airplane Co., Seattle B, Wash.

 STARKS, WINSTON H. (S'4B-A'49-M'55-SM'5B), Pres. & Chief Engr., Winston Electronics, Inc., 7203 Leonard St., Philadelphia 49, Pa.

 STARLIN, HAROLD E. (A'57), Box 352, Kansas Citv. Mo. STARLING, WARREN H. (S'57-M'59), Elec. Engr., Dynatronics, Inc., Orlando, Fla.

 STARNER, CHARLES J. (A'44-M'55), Project Engr., RCA, Camden, N. J.

 STARNER, CHARLES J. (A'44-M'55), Project Engr., RCA, Camden, N. J.

 STAROBIN, A. FRED (S'4B-A'50-M'57), Patent Atty., 734

 15 St., N.W., Washinaton 5, D.C.

 STAROS BASIL (SM'57), Engra, Sect. Head, System Analysis, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 STAROSTE, OTTO (A'56), Electronics Technician, Stromberg-Carlson Co., 1895 Hancock St., San Diego 12, Calif.

 STARR, ALFRED R. (A'17), 1037 E. Providencia Ave., Burbank, Calif.

- Burbank, Calif.

 STARR, ARTHUR T. (SM'5B), Chief, Research & Dev., Rank Precision Industries, Ltd., Mortimer House, Mortimer St., London W1, England.

 STARR, CHARLES H. (A'26-M'40-SM'43), BM/YECK, London, W.C. 1, England.

 STARR, DAVID A., JR. (S'48-A'51-M'58), Sr. Research Engr., Burroughs Corp., Research Center, Paoli, Pa.

 STARR, EDWARD A. (S'54-M'56), 1st Lt., USAF, Electronics Engr., Rocket Engine Test Lab., Edwards AFB, Calif.

 STARR, FLOYD E. (S'52-A'55), 1st Lt., USAF, Research & Dev. Staff Asst., Analysis & Coordination Div., Directorate of Experimental Vehicles & Instrumentation, Deputy Cmdr., Passageh, March Alfre Alf. Research & Dev. Command. Research, Hors, Air Research & Development Command, Andrews AFB, Washington 25, D.C. STARR, HAL E. (S'57-M'59), Engr., Western Electric Co., Winston-Salem, N.C.

- STARR, IRVIN M. (A'53-M'57), Elec. Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollwood, Calif.
 STARR, JAMES E. (M'55), Prod. Mgr., Tatnall Measuring Systems Co., Klmberton Rd., Phoenixville, Pa.
 STARR, LOUIS (M'53), Branch Mgr., G.E. Moxon Sales, 15-41 Ave., San Mateo, Calif.
 STARR, ROBERT A.L. (M'47), Chief Engr., WRGA & WRGA-FM, Rome Broadcasting Corp., Rome, Ga.: Co-Owner, Rome Mobile Radio Service, 501 Broad St., Rome, Ga.
 STARR, STANLEY C., JR. (S'54-M'56), Elec. Engr., RCA, Camden 2, N.J. STARSIAK, RICHARD S. (S'57-A'59), Electronics Technician, Lab. for Electronics, 75 Pitt St., Boston 14, Mass.
 STARYK, MICHAEL (S'49-A'52-M'57), Sect. Engr., Electronics Oiv., Canadian Westinghouse Co., Ltd., Box 510, Hamilton, Ont., Canada.
 STARZEC, FRANCIS J. (S'50-A'51-M'55), Sr. Project
- STARZEC, FRANCIS J. (S'50-A'51-M'55), Sr. Project Engr., AC Spark Plug Div., 1925 E. Kenilworth, Milwaukee, Wis.
- STARZEC, JOSEPH S. (A'50), Supvy. Inspector, Sacramento Signal Depot, Sacramento 1, Calif.
 STASCH, JOSEPH E. (M'58), District Mgr., Weapon Systems, Mktg. GE Co., 6607 W. 80 St., Los Angeles 45, Calif.
- STASCHOVER, RALPH A. (A'55), Design Specialist, Martin Co., Box 5837, Orlando, Fla.
 STASCHOVER, LEO (S'42-A'48-M'55), Chief Engr., North Hills Electric Co., Inc., 402 Sagamore Ave., Mineola, L.I., N.Y.

- N.Y.

 STASEY, CHARLES M. (M'58), Test Engr., Raytheon Mfg. Co., Shawsheen Mills, Andover, Mass.

 STASIAK, ROBERT J. (A'57), Field Rep., Link Aviation, Inc., Service Dex., Binghamfon, N.Y.

 STASIOR, RICHARD A. (S'51-A'53), Applications Engr., SemiConductor Prods. Dext., GE Co., Syracuse, N.Y.

 STASIONSKI, CHESTER M. (S'56-M'59), Electronics Engr., Pratt & Whitney Aircraft, East Hartford, Conn.

 STASSIONS, JOHN (S'51-M'56), Elec. Engr., Malco Designs Corp., 225 W. 34 St., New York 1. N.Y.

 STASTNY, GEORGE F. (S'48-A'50-M'55-SM'57), Project Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, Ill.

 STASZ, CLARENCE E. (A'43-M'51). Systems Fnor. RCA
- STASZ, CLARENCE E. (A'43-M'51), Systems Engr., RCA, Camden 2, N.J. STATELER, DANIEL V. (S'56-M'58), Elec. Engr., Martin Co., Orlando, Fla.
- Co., Orlando, Fla.
 STATEMAN, MURRAY J. (M'48-SM'53), 3690 Howard Lane,
 Wantagh, L.I., N.Y.
 STATEN, RAYMOND J. (M'59), Chief Project Engr., Master
 Video Systems, East Shore Rd., Port Washington, L.I., N.Y.
 STATES, DALLAS M. (A'56), Field Engr., IBM, Owego,
 M.Y.

- N.Y.
 STATHOPOULOS, ANDREW E. (A'57), Shift Supvr., Salonika Relay Base, V.O.A., Thessaloniki Greece.
 STATLER, STUART W. (S'56-A'57), Inspector, Western Electric Co., 401 Hudson St., New York 14, N.Y.
 STATON, MAURICE G. (A'47-M'47), Administrator, Planning, Astro-Electronic Prods Div., RCA, Princeton, N.J.
 STATSINGER, JOSEPH (A'49-SM'55), Dir. Engra., Servo Corp. of America, 20-20 Jericho Tpke., New Hyde Park, L.I., N.Y.

- STAISINGER, JUSEPH (447-SM'35), UIT. Engra., Servo Corp. of America, 20-20 Jericho Toke, New Hyde Park, L.I., N.Y.

 STATTELMAN, ARTHUR J. (A'54), Lab. Asst., Iowa State College, Elec. Engrg. Oept., Ames, Jowa.

 STAUB, DOMALD W. (A'45-M'55), Sr. Engr., Atomics Internati., Canoga Park, Calli.

 STAUB, J. RAYMOND (A'53), Elec. Engr., Servo Mechanism Lab., U. S. Naval Ordnance Plant; Dir., York Electronics Institute, 232 E. Market St., York, Pa.

 STAUB, J. RAYMOND (A'53), Elec. Engr., Servo Mechanism Lab., U. S. Naval Ordnance Plant; Dir., York Electronics Institute, 232 E. Market St., York, Pa.

 STAUDHAF, FERDERICK M. (M'55), Engr., LMED, GE Co., Utlca, N.Y.

 STAUDERF, FREDERICK M. (M'55), Assoc. Prof., Dept. Elec. Engrg., Univ. of Notre Dame, South Bend, Ind.

 STAUDHAMMER, JOHN (S'54-A'55-M'57), Asst., Univ. of California, Los Angeles 24, Calli.

 STAUDT, HERMAN R. (SM'56), Operations Mgr., Martin Co., Orlando, Fla.

 STAUDT, WALTER (A'48), Engr., Pilot Radio Corp., 37-06 36 St., Long Island City, N.Y.

 STAUFFER, JAMKES W. (S'57-M'56), Engrg. Training Program, CE Co., Syracuse, N.Y.

 STAUFFER, JAMKS W. (S'57-M'58), Engrg. Training Program, CE Co., Syracuse, N.Y.

 STAUFFER, R. LAVERNE (S'46-A'50-M'56), Sr. Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.

 STAUFFER, RAY E. (J'29-A'30-VA'39), TV Supvr., Central Broadcasting Co., 1100 Walnut St., Des Moines, Iowa.
- unt., vanaga.
 STAUFFER, RAY E. (J'29-A'30-VA'39), TV Supvr., Central Broadcasting Co., 1100 Walnut St., Des Moines, Iowa.
 STAUFFER, RICHARD E. (S'48-A'52-M'57), Engr., Philoo Corp., G. & I Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- Com. G. & I Div., 4700 Wissahickon Ave., Philadelphia 44, Pa. 44, Pa. 44, Pa. 44, Pa. 454, Pa. 5TAUFFER, RICHARD F. (M'58), Electronics Engr., Burrough's Electronic Instrument Div., 1209 Vine St., Philadelphia, Pa. STAUNTON, JOHN J. J. (A'53-SM'53), Dir., Research, Coleman Instruments, Inc., 318 Madison St., Maywood, Ill. STAUSS, EDWIN G. (S'56-M'57), Electronics Engr., Hughes Aircraft Co., Culver City, Califi. STAUVERMAN, RICHARD J. (A'53), Engr., Advance Transformer Co., 2950 N. Westem, Chicago, Ill. STAVIS, GUS (S'41-A'43-M'46-SM'53), Head, Radar Research Debt., Genl. Precision Lab., Pleasantville, N.Y. STAVITSKI, LEONARD X. (S'44-A'46-M'55), Project Engr., Sperry Piedmont Co., Charlottesville, Va. STAVRINAKI, ALEX G. (S'51-A'54), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York, N.Y. STAVRON, MICHOLAS C. (A'48), Sr. Engr., Western Elecutic Co., 3300 Lealington Rd., Winsten-Salem, N.C. STEAD, DAVID A. (S'49-A'51-M'56), Engr., Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif. STEAD, NORMAN A. (A'58), Electronics Equipment Specialist, Defense Deat., Washington 25, D.C. STEAD, DOR, T. Washington 25, D.C. STEAD, Mor. T. Washington 25, D.C. STEAD, Mor. T. Washington 25, D.C. STEAD, M.G., T. Walt-TER, J.R. (M'55), Project Engr., IBM, Monterey Rd., San Jose, Calif. STEAGALL, WILLIAM F. (M'55), Project Engr., RCA, Moorestown, N.J.. STEAR, EDWIN F. (A'57), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

STEARN, EDWARD A. (M'59), Mgr., System Service & Support, Thompson Ramo-Wooldridge Corp., 5500 EI Segundo Blvd., Hawthorne, Calif.
STEARNS, CHARLES F. (A'49), Engr.-in-cho., Univac Installation, Remington Rand Univac, 315 E. 4 St., New York, N.Y.

- 391 -

- Installation, Remington Rand Univac, 315 E. 4 St., New York, N.Y.

 STEARNS, GEORGE D. (A'55), Chief Engr., Radio Sta., WMiC, Morroe, Mich.

 STEARNS, GEORGE W. (S'49-A'52-M'57), Elec. Engr., Communications Div., Ramo-Wooldridge Corp., 8820 Bellanca Bilvd., Los Angeles 45, Calif.

 STEARNS, H. MYRL (S'39-A'40-SM'48), Pres., Varian Associates, 611 Hansen Way, Palo Alto, Calif. STEARNS, HOWARD F. (A'52-M'56), Prod. Design Engr., GE Co., Syracuse, N.Y.

 STEARNS, LEWIS D. (A'54), Supvr., Engro. Personnel Relations, Tech. Prod. Div., Packard Bell Electronics From, 12333 W. Olympic Blvd., Los Angeles 64, Calif. STEARNS, RALPH (S'57-M'59), 41-22 42 St., Long Island City 4, N.Y.

 STEARNS, WILLARD R. (M'54), Electronics Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 STEARNS, WILLIAM P. (A'55), Elec. Project Engr., Motor-

- wood, Calif.
 STEARNS, WILLIAM P. (A'55), Elec. Project Engr., Motorola, Inc., 8201 E. McOowell Rd., Phoenix, Ariz.
 STEAVENSON, CARL C. (S'56-M'57), Quality Tech. Rep., Bendix Prods. Div., Missiles, Bendix Aviation Corp., 400
 S. Beiger St., Mishawaka, Ind.
- S. Beiger St., Mishawaka, Ind.
 STEBBINS, CHARLES W. (M'56), Avionics Group Engr.,
 Engro., Flight Test., Lockheed Aircraft Corp., Marietta, Ga.
 STEBBINS, JERRY A. (S'58-M'59), 3924 S.W. 109,
 Seattle, Wash.
 STEBBINS, MARYANN D. (A'54-M'59), Engr., RCA Electron Tube Div., Harrison, M.
 STEBBINS, ROBIN S. (A'57), Tech. Instr., Electronics
 Communication Inc., Maritime Base, St., Petersburg, Fla.
 STEBBINS, WILLIAM J. (S'55-M'56), Oesign Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 27, Md.
 STEC, CHARLES L. (A'35-VA'39-SM'49), Chief Civillan.

- STEC, CHARLES L. (A'35-VA'39-SM'49), Chief Civillan, Electronics Design Oiv., Bureau of Ships, Navy Dept., 18 & Constitution Ave., N.W., Washington, D.C.
- G. LONSLILULION AVE., N.W., Washington, D.C.
 STECH, GEORGE (S'58-M'59), 804 Sylvan St., Camden
 4, N.J.
 STECK, ALBERT F., JR. (S'56-M'57), Elec. Engr.,
 Stromberg-Carlson Co., 1400 N. Goodman St., Rochester
 9, N.Y.
- 7, N.T.

 STECKEL, THOMAS G., JR. (S'56-M'58), Asst. Project
 Engr., Dendix Radio Div., Towson 4, Md.

 STECKER, JOSEPH W. (A'53), Asst. to Dir., Engrg.,
 Automotive Prods. Div., Motorola, Inc., 4545 W. Augusta
 Blvd., Chicago 51, Ill.

- Automotive Prods. Div., Motorola, Inc., 4545 W. Augusta Bild., Chicago 51, III.

 STECKERT, JOHN W. (S'55-M'57), Asst. Dev. Engr., Burroughs Research Center, Burroughs Corn., Paol.; Pa. STECKLER, IRVING (A'56), 168-12 18 Ave., Whitestone 57, L.I., N.Y.

 STEDMAN, CECIL K. (SM'44), Research Consultant, R.R.1, Box 678, Enumclaw, Wash.

 STEDMAN, J. DUANE (A'54), Evaluation Engr., Electra Mig. Co., 801 N. 21 St., Independence, Kan.

 STEEB, EDGAR C., JR. (A'48-M'55), Asst. Tech. Oir., WBEN-TV, Hotel Statler, Buffalo, N.Y.

 STEEO, ERNEST C. (M'57), Tube Engr., Electronics Research Lab., Stanford duinv., Stanford, Calif.

 STEED, GEORGE H. (M'58), Electronics Engrg. Technician, FAA, Oklahoma City, Okla.

 STEED, WILLIAM P. (A'54), Elec. Engr., Shand & Jurs Co., 2600 8 St., Berkeley 10, Calif.

 STEEC, GEORGE F. (S'52-A'54), Sr. Engr., Sanders Associates, Inc., 95 Canal St., Nashua 11, N.H.

 STEEL, DAVID L., SR. (M'54), Partner, Page, Creutz, Steel & Waldschmitt, 1413 K St., N.W., Washington 5, D.C.

 STEEL, FRANCIS R., JR. (A'54), Dev. Engr., Motorola,
- D.C.
 STEEL, FRANCIS R., JR. (A'54), Dev. Engr., Motorola, Inc., Chicago, III.
 STEEL, HENRY W. (S'57-M'58), Asst. Div. Engr., Jersey Central Power & Light Co., River Ave., Lakewood, N.J.
 STEEL, JOSEPH W. (M'56), Sales Engr., GE Co., Utica, N.Y.

- Central Power & Light Co., River Ave., Lakewood, N.J.
 STEEL, JOSEPH W. (M'56), Sales Engr., GC Co., Utica, N.Y.
 STEEL, W. ARTHUR (M'19-SM'43-F'50XL), Oir., Standard Telephones & Cables Mfg. Co., Ltd., Canada., 9600 St.
 Lawrence Blvd., Montreal 12, P. Q., Canada.
 STEELE, ARTHUR J. (A'48-M'54), Staff Engr., Littlefuse, Inc., 1865 Miner St., Oes Plaines, III.
 STEELE, CHARLES W. (S'47-A'50-M'55), Engr., GE
 Microwave Lab., 601 California, Palo Alto, Calif.
 STEELE, ERAL L. (A'55-SM'57), Asst. Lab. Mgr., Hughes Aircraft Co., Semiconductor Div., Newport Beach, Calif.
 STEELE, EDWARD E. (A'51-M'58), Mgr., MA-1 System & Support Engr., Hughes Aircraft Co., Culver City. Calif.
 STEELE, EDWARD M. (S'55-A'56), Field Service Rep., GC Co., Syracuse. N.Y.
 STEELE, ERNEST R. (A'47-M'55), Electronics Engr., Naval Air Development Center., Johnsville, Pa.
 STEELE, FREDERICK E. (M'58), Quality Control Engr., Natl. Research Comicil, Radio & Elec. Engrg., Montreal Rd., Ottawa, Ont., Canada.
 STEELE, KENNETH A. (S'52-A'53), Jr. Research Officer, Natl. Research Comicil, Radio & Elec. Engrg., Montreal Rd., Ottawa, Ont., Canada.
 STEELE, KENNETH P. (A'55), Elec. Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N. Y.
 STEELE, KENNETH A. (S'56-M'58), Reliability Engr., Electronic Systems, Bendix Prods., Missiles Div., 400
 S. Beiger St., Mishawaka, Ind.
 STEELE, RICHARD B. (S'40-A'47-M'55), Systems Engr., GE Co., 13430 N. Black Canyon Mwy., Phoenix, Ariz., STEELE, RICHARD W. (M'54), Electronics Engr., RCA Service Co., Box 45766, Os Angeles 45, Calif.
 STEELE, ROBERT W. (S'55-M'58), Sr. Engr., Martin Co., Middle River. Md.
 STEELE, ROPERIC C. (S'53-M'56), Natl. Science Foundation PostDoctoral Fellow, British Empire Cancer Campaign Research Unit in Radiobiology, M. Vernon Hospital, North-

- STEELE, RODERIC E. (\$153-M156), Natl. Science Founda-tion PostDoctoral Fellow, British Empire Cancer Campaign Research Unit in Radiobiology, Mt. Vernon Hospital, Northwood, Middx., England,

- STEELE, ROY M. (A'53-M'58), Communication & Distribution Engr., Louisiana Power & Light Co., N. 7 St., West Monroe, La.
- STEELE, STANLEY L. (M'55), Mem. Tech. Staff, Space Technology Labs., 5730 Arbor Vitae St., Los Angeles 45, Calif.
- Call .

 STEELE, THOMAS S. (S'48-A'50-M'56), Principal Engr., Mechanical Div., Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis, Minn.

 STEELMAN, ALBERT T., JR. (A'53-M'54), Transmission Engr., Bell Tel. Co. of Pennsylvania, 1317 Filbert St., Philadelphia 7, Pa.

 STEELMAN MAN MEMBERT C. (ALES) Communic Communications of the Communication o

- Philadelphia 7, Pa.

 STEELMAN, KENNETH C. (A'52), Deputy-in-Chg., Meteorological Systems Br., U.S. Army Signal Research & Development Lab., Pt. Monmouth, N. J.

 STEEN, DAVID R. (S'49 A'50-M'55), Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 STEEN, JEROME R. (M'36-5M'43-F'50), Sr. Engrg. Specialist, Sylvania Elec. Prods., Inc., 189 B. St., Needham 94, Mass.
- STEEN, JOHN E. (S'51-A'53-M'58), Electronics Engr., GE Co., Box 1128, San Diego 12, Calif. STEEN, RALPH O. (M'55), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
- Mineola, L.I., N.Y.
 STEEN, WILLIS J. (4'43-M'46-SM'55), Staff Engr.,
 IBM, Owego. N.Y.
 STEENART, WILLEM J. D. (4'55-M'57), Mem. Tech.
 Staff, Bell 1el. Labs., Murray Hill, N.J
 STEENBEKE, PENRY M. (S'58-M'59), 3065 Roberts
 Ave., New York 61, N.Y.
- AVE., New York 61, N.Y.
 STEENBERGEN, HOWARD H. (A 59), Engr., USAF, Wright
 Air Oevelopment Center. Wright-Patterson AFB, Ohio.
 STEENHAUSEN, DAVID R. (A 55), Elec. Engr., The Emerson Electric Mig. Co., 8100 W. Florissant Ave., St.
 CTEFNSEN, CTEFFLA.
- STEENSEN, STEEN A. (S'51-A'51-M'57), Elec. Engr., Styret For Det Industrielle Rettsvern, Middelthunsgt 15, Oslo, Norway.

- Styret For Det Industrielle Kettsvern, Mindoentnunsut 13, Oslo, Norway.

 STEENSON, BERNARO O. (S'48-A'51-M'56), Sr. Staff Engr., Hughes Aircraft Co., Culver City, Callf.

 STEERE, RICHARD M. (SM'52), Prof., Elec. Engrg., Louisiana Polytechnic Institute, Ruston, La.

 STEERS, WILLIAM F. (A'51-SM'52), Exec. V.P., Glaser-Steers Corp., 20 Main St., Belleville 9, N.J.

 STEES, HUBERT S., JR. (A'54), Capt., USAF, Airborn Electronics. Air Oefense Command, Ent AFB, Colo.

 STEEVES, DONALD M. (S'58-A'59), Electronic Engr., Radio Engrg., Prods., Ltd., 1080 University St., Montreal, P.Q., Canada.

 STEFAN, ROBERT S. (M'51), Principal Engr., Systems Engrg. Group, Radio Div., Bendix Aviation Corp., Joppa Rd., Baltimore 4, Md.

 STEFANCIC, KENNETH (S'49-A'52-M'57), Research Engr., AC Spark Plug Div., Milwaukee 1, Wis.

 STEFANCIK, RUDY T. (S'57-M'59), Engr., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 STEFANOV, BORIS (S'54-M'56), Consultant, Kauke & Co.,

- Prods., Inc., Box 2US, Mountain view, Laill.
 STEFANDY, BORIS (S154-M*156), Consultant, Kauke & Co.,
 1632 Euclid St., Santa Monica, Calif.
 STEFANDWICZ, MICHAEL R. (A*154), Research Engr.,
 Boeing Airolane Co., Seattle 66, Wash.
 STEFANDWICZ, STEPHEN S. (A*156), Project Engr., Radio
 Industries Corp., Scituate, Mass.
- STEFANSSON, RAFN (M'58), 670 Alta Vista Dr., Sierra Madre, Calif.
- Madre, Calli.
 STEFFEE, JOSEPH W. (A'57), Instr., American Institute of Engrg. & Technology, 5050 N. Broadway, Chicago 40, Ill.
 STEFFEN, GILES P. (S'55-M'56), Mem. Tech. Staff, Hughes Aircraft Co.. Culver City, Calli.

- Hughes Aircraft Co., Culver City, Calif.

 STEFFEN, RICHARD V. (A'47), Engr., WISN & WISN-TV, 1914 W. Wisconsin Ave., Milwaukee 3, Wis.

 STEFFES, ROBERT M. (A'57), Elec., Engr., Montgomery Elevator Co., 30 20 St., Moline, Ill.

 STEG, RICHARD C. (A'56), Chief Engr., Steg Electronics Mfg., Labs., 59 Hall Hill Ave., Colchester, Conn.

 STEGEN, ROBERT J. (A'53-SM'56), Chief Microwave & Antenna Engr., Canoga Oiv., Underwood Corp., 15330 Oxnard St., Van Nuys, Calif.

 STEGER, OAVID J. (S'54-A'55), Electronics Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 19, Ohio.

 STEGGEROA, CHARLES A. (M'57), Electronics Engr., Jansky & Bailey, Inc., 1339 Wisconsin Ave., N.W., Washington, O.C.
- STEGMAN, JOSEPH A. (S'56-M'58), Elec. Engr., Cincinnati Water Works, 3845 Eastern Ave., Cincinnati 26, Ohio.
- STEGMAN, THOMAS E. (S'50-A'54), Project Engr., Crosley Div., Avco Corp., 1329 Arlington St., Cincinnati 25, Ohio.
- CTIMEL (2.7, UNIO.
 STEHN, JOSEPH W. (M'55), Asst. Sales Mgr., W.L.
 Maxson Corp., 475 10 Ave., New York 1, N.Y.
 STEIDLEY, JAMES W. (S'44-M'45-SM'50), Asst.
 to Head, Physics Lab., Hughes Research Labs., Culver
 City, Calif.
- City, Calif.

 STEIER, HENRY P. (M'54-SM'56), Special Asst., for Tech. Information, Bureau of Research & Dev., FAA, 7 & D Sts., S.W. Washington, D.C.

 STEIFF, DONALD L. (S'53-A'55), Electronics Engr., ETS-Hokin & Galvan, 2295 E. Belt, San Diego 13, Calif.

 STEIGELMANN, WILLIAM H., JR. (S'54-M'57), Research Engr., Franklin Institute Labs., 20 & Parkway, Philadelphia 3, Pa.

- phia 3, Pa.
 STEIGER, ARTHUR E. (S'56-A'57), Avionics Engr., Fair-child Aircraft Corp., Hagerstown, M.I.
 STEIGER, BENJAMIN F. (A'1-M'55), Dir., Electron Tube Engrg., Tung-Sol Electric, Inc., Chatham Elec-tronics Div., 630 W. Mt. Pleasant Ave., Livingston, N.J.

- tronics Div., 630 W. Mt. Pleasant Ave., Livingston, N.J.
 STEIGER, WERNER (M'58), Electronics Engr., Hughes
 Prods., Internatl. Airport Sta., Los Angeles 45, Calif.
 STEIGERWALD, JOHN W. (S'58-M'59), Engr., Western
 Electric Co., 220 Church St., New York, N.Y.
 STEIGERWALT, OLIVER I. (M'57), Sr. Engrg. Specialist,
 Goodyear Alirufal Corp., Airson 1E, Ohio.
 STEIN, ALFRED J., JR. (M'59), Engr., Texas Instruments,
 Inc., Box 312, Oallas 21, Tex.
 STEIN, DIMITRI R. (M'53), V.P., Columbia Tech. Corp.,
 61-02 31 Ave., Woodside, 77, L.I., N.Y.
 STEIN, DONALD B. (A'54), Sr. Electronics Engr.,
 Waldoff Electronics Div., F.C., Huyek, Inc., Wolf
 Hill Rd., Huntington Sta., L.I., N.Y.
 STEIN, EDWARD S. (M'55), Contract Engr., U.S. Govt.,
- STEIN, EDWARD S. (M'55), Contract Engr., U.S. Govt., Bureau of Concue, Suitland, Md.

- STEIN, EMANUEL (A'47-M'55), Project Engr., ITT Labs., Nutley 10, N.J.

- Nutrey 10, N.J.:
 STEIN, ERNEST (M'57), Elec. Engr., Polarad Electronics
 Com., 43-20 34 St., Long Island City 1, N.Y.
 STEIN, EUGENE F. (A'52-M'58), Elec. Engr., The
 Magnavox Corp., 2131 Bueter Rd., Ft. Wayne, Ind.
 STEIN, FRANK S. (M'56-SM'58), Mgr., Power Devices
 Sect., Semiconductor Dept., WestInghouse Elec. Corp.,
 Youngwood, Pa.
- Youngwood, Pa.
 STEIN, HAROLD (SM'57), Sr. Staff Engr., Avco Mfg. Corp.,
 201 Lowell St., Wilmington, Mass.
 STEIN, HAROLD H. (S'49-A'52-M'56), Electronics
 Engr., Ferranti-Packard Electric Ltd., Mt. Dennis,
 Toronto 15, Canada.
- Toronto 15, canada.

 STEIN, HARRY B. (A'47-SM'55), Electronics Scientist, Naval Air Development Center, Johnsville, Pa.

 STEIN, HARVEY S. (M'58), Research Engr., Electronic Research Lab., 632 W. 125 St., New York, N. Y.

 STEIN, HERBERT H. (S'53-A'54-M'58), Elec. Engr., GE Co., Schenectady, N. Y.

 STEIN, MEPBERT S. (MISS), Project Engr., Times
- STEIN, HERBERT S. (M*55), Project Engr., Times Facsimile Corp., 548 W. 58 St., New York, N.Y. STEIN, JOHN L. (A*59), 2865 Freeman Ave., Hamilton,

- Ohio.
 STEIN, JOSEPH (A'55), Sales Rep. F. H. Paul & Stein Bros., Inc., 235 5 Ave., New York 16, N.Y.
 STEIN, LOUIS E. (S'57-M'59), 4624 Magnolla Ave., Battimore 27, Md.
 STEIN, MILTON (A'54), Sr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 STEIN, MORDECAI (S'48-A'50-M'58), Supvy., Electronics Scientist, David Taylor Model Basin, Washington 7, D.
- STEIN, PHILIP (M'59), Sr. Instr., RCA Institute, 350 W. 4 St., New York 14, N. Y.
 STEIN, RICHARD A. (S'57-M'58), R.R. 1, Leduc, Alta., Canada.

- Canada.
 STEIN, ROBERT J. (A'55), Mid-West Rep., W.L. Maxson Corp., 136 W. 2nd St., Dayton 2, Ohio.
 STEIN, ROBERT L. (S'53-M'57), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
 STEIN, ROBERT S. (A'47-5M'53), Administrative Dir., Coastal Publications Corp., 130 W. 42 St., New York 36, N.Y.
- 36, N.Y.
 STEIN, SANFORO (S'56-M'57), Engr., Space Technology Lab., Inc., Box 95001, Los Angeles 45, Calif.
 STEIN, SEYMOUR (S'48-A'54-SM'57), Tech. Staff Mem., Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.
 STEIN, SIDNEY (A'48-M'55), Sr. Engr., ITT Labs., Nutley 10, N.J.
 STEIN, SIDNEY J. (SM'57), Dir., Research & Engrg., Internati. Resistance Co., 401 N. Broad St., Philadelphia 8, Pa.
 STEIN, THEODORE G. (M'56), Electronics Engr., LISN.

- STEIN, THEODORE G. (M'56), Electronics Engr., USN, Bureau of Aeronautics, 4300 E. 5 Ave., Columbus 16, Ohio. STEIN, THEODORE G. (M'56), Electronics Engr., USN, Bureau of Aeronautics, 4300 E. 5 Ave., Columbus 16, Ohio. STEIN, VICTOR J. (S'50-A'52-M'56), Engr., RCA, Harrison, N. J.

 STEINACKER, ROBERT B. (M'57), Systems Engr., Collins Radio Co., Cedar Rapids, Iowa.

 STEINBACK, EDWIN A. (M'55), Sr. Electronics Engr., Convair, Pomona, Calif.

 STEINBACK, RALPH T. (M'55), Mellon Institute, Dept. of Radiation, Univ. of Pittsburgh, 4400 5 Ave., Pittsburgh Ja, Pa.

 STEINBERG, ALVIN (M'59), Flight Systems Engr., Army Rocket & Guided Missile Agency, Redstone Arsenal, Ala.

 STEINBERG, BERNARD D. (S'4B-A'50), V.P., Genl. Atronics Corp., 1 Bala Ave., Bala-Cymwyd, Pa.

 STEINBERG, CHARLES A. (S'55-M'59), 21 Lakeview Ave., Freeport, L.I., N.Y.

 STEINBERG, EDWIN E. (A'45), Engr., Writer, Admiral Corp., 3B00 W. Cortland St., Chicago 47, Ill.

 STEINBERG, FENIN B. (SM'49), Engr-in-Cho., Science Div., Head, Patent Dept., The Reflectone Corp., Post Rd., Stamford, Conn.

- STEINBERG, GEORGE N. (S'54-M'57), Elec. Engr., The Perkin-Elmer Corp., Main Ave., Norwalk, Conn. STEINBERG, IRWIN (S'54-M'57), Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 2, N. Y.
- STEINBERG, JOSEPH (A'51), Electronics Engr., U.S.
 Army Signal Equipment Support Agency, Coles Area, Ft.
 Monmouth, N.J.

- Monmouth, N.J.

 STEINBERG, LEONARD M. (S'46-A'52), Lecturer, Dept. of Applled Physics, Engrg. 8ldg., Univ. of Toronto, Toronto 5, Ont., Canada.

 STEINBERG, MARVIN (M'58), Design Engr., Telemetry, GE Co., 31,98 Chestnut St., Philadelphia 4, Pa.

 STEINBERG, MARVIN I, (A'53), V.P. Sensitive Research Instrument Corp., 310 Main St., New Rochelle, N.Y.

 STEINBERG, PHILIP S. (S'51-A'51-M'56), Chief Elec. Engr., Univ. of Chicago 57, III.

- 5640 S. EIIIs, Chicago 37, III.
 STEINBERG, RICHARD (A'54), Mem., Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 STEINBERG, SIGMUND (A'52-M'57), Engr., Allen B.
 DuMont Labs., Inc., 750 Bloomfield Ave., Clifton, N.J.
 STEINBERG, WALTER A. (A'49-M'55), Chief Engr., Reeves Instrument Corp., Roosevelt Field, Garden City, L.I., N.Y.
 STEINBERGER, NORBERT (S'58-M'59), 70 La Salle St., New York 27, N.Y.
 STEINBERCHER, ERNST E. (M'56), Electronics Research & Dev. Engr., Engelhard Ind., Inc., Hanovia Lamp Div., 100 Chestnut St., Newark 5, N.J.
 STEINBERNER, ERNST W. (A'55), Data Anulstition

- STEINBRENNER, ERNEST W. (A'55), Data Aquisition, Supervision, Civil Service, USAF, Captive Missile Test, Edwards AFB, Calif.
- Edwards A.P. (a.11).
 STEINRUEGGE, HAROLD A. (S'56-M'57), Jr., Engr., Westinghouse Elec. Corp., East Pittsburgh, Pa.
 STEINRER, FRED A. (S'48-A'51-M'57), Sales Engr., Sarkes Tarzian, Inc., 5.19 Verdin St., El Cajon, Calif.
 STEINER, FREDERICK W. (S'49-A'51-M'56), Sect. Supv., Firestone Guilded Missile Div., 2525 Firestone Blvd., Los Angeles 54, Calif.

- STEINER, GEORGE B. (M'59), Engr., Western Electric Co., 220 Church St., New York, N.Y.
 STEINER, GEORGE F. (M'5B), Engr., Cook Research Labs., 6401 Oakton St., Morton Grove, III.
 STEINER, JOHN E. (S'50-A'52-M'57), Electronics Dev. Engr., Atwood Vacuum Machine Co., 1400 Eddy Ave., Rockford, III.

- STEINER, JUAN 1. (A'53-M'53-SM'59), Chief, Communications Div., Motorola Argentina, S.A., Bartolome Mitre 1824, Buenos Aires, Argentina.
- STEINER, KENNETH E. (S'57-M'58), Assoc. Engr., Boeing Airolane Co., 3801 S. Oliver, Wichita, Kan. STEINER, WILFORD L. (M'52), Electronics Engr., Good-year Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- year Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
 STEINHARDT, LEO (A52), Group Suow., American Machine
 & Foundry Co., 11 Bruce Pl., Greenwich, Conn.
 STEINHOFF, ERNST A. (SM'58), Dir., Missile Systems,
 Crosley Div., Avco Mig. Corp., 1329 Arlington St.,
 Cincinnati 25, Ohio.
- STEINHOFF, HARRY W., JR. (S'50-A'51-M'57), Sr. Electronics Enor., Hughes Aircraft Co., El Segundo, Calif.
 STEINHOFF, REYNOLD (M'56), Design Engr., RCA, Harrison, N.J.
 STEINKAMP, WILBERT H., M'55), V.P., Mktg., Weston Instruments Div., Daystrom, Inc., 614 Frelinghuysen Ave., Newark 12, N.J.

- Ave., Newark 12, N.J.
 STEINKOLK, RICHARD B. (S'52-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 STEINMANN, W. LAMOTTE (S'46-A'51-SM'56), Instr., Elec. Energ., Univ. of Michigan, Ann Arbor, Mich.
 STEINMETZ, C., MARTIN (S'57-M'59), Jr. Engr., Stavid Engr., Inc., Plainfield, N.J.
 STEINMETZ, NICOLAS (S'53-A'54), Engr., Canadian Marconi Co., 2442 Trenton Ave., Montreal, P.Q., Canada.
 STEINMEYER, DON J. (S'53-A'55), Electronics Engr., Sta. 635, Emerson Electric Mig. Co., 8100 W. Florissant St., St. Louis 21, Mo.
- St., St. Louis 21, Mo.
 STEINRUCK, CHARLES F., JR. (A'54), Secy., Philco
 Corp., Tioqa & C Sts., Philadelphia 34, Pa.
 STEISSLINGER, HARVYR. (A'57), Tech. Rep., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.
 STELENE, LA RUE H., JR. (S'54-A'55), Sr. Engr., Martin
 Co., Orlando, Fla.

- Co. Orlando, Fla.

 STELL, JACK P. (A'57), Electronics Engr., USAF Hgrs., Pentagon, Washington, D.C.

 STELLA, ANTHOMY J. (S'56-M'58), Engr., Govt. & Industrial Div., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 STELLA, REMO (A'53-M'58), Sr. Engr., W. L. Maxson Co., 460 W. 34 St., New York, N.Y.

 STELLMACHER, DONALD D. (SM'56), Sect. Mgr., Hoffman Labs. Div., 3740 S. Hill, Los Angeles 7, Calif.

 STELLWAGEN, FRANK W. (SM'58), Sr. Engr., Arma Div., Garden City. L.I.. N.Y.

 STELMAK, JOHN P. (M'53-SM'55), Advisory Engr., West-inghouse Elec. Corp., Youngwood, Pa.

 STELTER, ERNEST C. (S'41-A'46), 1655 Bayshore Blvd.,

- indhouse Elec. Corp., Youngwood, Pa.
 STELTER, ERNEST C. (S'41-A'46), 1655 Bayshore Blvd.,
 Palo Alto, Calif.
 STELTER, LAVERNE R. (M'55), Chief, Radio Branch
 U.S. Army Signal Air Defense Engrg. Agency, Ft. Meade,
 Md.
- Md.

 STELZER 1RWIN (A'54), Sales Engr., United Mineral & Chemical Corp., 16-22 Hudson St., New York 13, N.Y.

 STELZER, ROLAND B, (S'48-A'50-M'56-SM'57), Elec. Engr., The Texas Co., Box 425, Bellaire, Tex.

 STELZL, HOWARD M. (M'57), Dir., Sales & Engrg., Delco Radio Div., GMC, Kokomo, Inc.

 STEMBEL, JOSEPH E. (S'54-M'56), Research Engr., P. R. Mallory & Co., 3029 E. Washington, Indianapolis, Ind.

- STEMBER, LAWRENCE H., JR. (S'52-A'53-M'58), Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.

- STEMBER, LAWRENCE H., JR. (S'32-A'35-M'58), Elec. Engr., Eattelle Memorial Institute, 505 King Ave., Columbus, Ohio.

 STEMM, R., EDWARD (M'44), Owner, Mfrs. Engrg. Rep., 5681 W. Lake St., Chicago 44, Ill.

 STEMME, ERIK (A'57), Supw., Research & Dev., A8
 Alvidabergs Industrier, Elektronikabdelningen, Box 5111, Stockholm 5, Sweden.

 STEMPEL, VICTOR M. (S'56-M'58), Systems Analysis Engr., Sylvania Elec. Prods., Inc., 123 N. Whisman Rd., Mountain View, Callf.

 STENECKER, ROBERT G. (S'50-M'52-M'57), Sr. Engr., Reliability Sect., Arma Div. Amer. Bosch Arma Corp., Garden City, L. I., N. Y.

 STENERSON, C. KEITH (S'47-A'49-M'54), Project Engr., Motorola, Inc., 1400 N. Cicero Ave., Chicago 51, Ill.

 STENERSON, C. KEITH (S'47-A'49-M'54), Project Engr., Motorola, Inc., 1400 N. Cicero Ave., Chicago 51, Ill.

 STENGEL, CARL J. (A'55), Sr. Engr., Sylvania Elec. Prods., inc., Enporium, Pa.

 STENGEL, ELMER S. (SM'577), Design Engr., Sylvania Elec. Prods., inc., Enporium, Pa.

 STENGEL, J. FRANK, JR. (A'51), Pres., Telephonics Corp., Park Ave., Huntington, L. I., N.Y.

 STENGER, FREDERICK J. (A'43-M'45), Research Specialist, Lockheed Missiles & Space Div., Sumnyvale, Calif. STENHAMMER, HAROLD T. (A'47-M'55), Design Engr., Genl. Time Corp., 109 Lafayette St., New York, N.Y. STENGERA, CROMAD P., JR. (S'45-A'48-M'55), Research Physicist, Hughes Aircraft Co., Culver City, Calif. STENSHOEL, CHARLES R. (M'89), Electronics Engr., USAF Security Service, San Antonio, Tex.

 STEOCER, JOSEPH E. (A'53), Mgr., Computing Systems Services, RCA, Camden, N.J.

 STEPCHIW, JOSEPH (A'57), Engr., RCA, Moorestown, N.J.
- STEPCHIW, JOSEPH (A'57), Engr., RCA, Moorestown,
- STEPHAN, ALGIRD (M'58), Chief, Electronic Oev. & Evalu-ation Branch, Measurements Standards Div., Naval Inspec-tor of Ordnance, Naval Industrial Reserves Ordnance Plant,
- tor of Ordnance, Naval Industrial Reserves Ordnance Plant, 1675 W. 5 St., Pomona, Calif.
 STEPHAN, HOWARD W. (A'34-VA'39), Supvr., Genl. Engrg., WTOP, Inc., 40 & Brandywine, Washington, D.C. STEPHAN, PETER W. (A'54), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.
 STEPHAN, RICHARD R. (S'56-A'57), 4130 Council Crest Dr., Madison 5, Wis.
 STEPHANZ, GLENN H. (S'49-A'49-M'55), Engr., Research & Dev., Genl. Dynamics Corp., Groton, Conn.
 STEPHENS, C. ERNEST (M'56), Dev. Engr., IBM, Pough-keepsie, N.Y.
 STEPHENS, C. HERBERT (S'53-A'54), Field Engr., Canadair Services, Ltd., Box 6087, Montreal, P.Q., Canadair Services, Ltd., Box 6087, Montreal, P.Q., Canadair

- Canaga.
 STEPHENS, CHARLES W. (S'50-A'53-M'57), Mem. Tech. Staff, Space Technology Labs., Inc., 5500 W. El Segundo Bivd., Los Angeles 45, Calif.
 STEPHENS, EDWARD J. (A'54), Design Engr., No. Amer. Aviation. Downey, Calif.

- STEPHENS, ELMER T. (A'44), Transmitter Operator, Pulitzer Publishing Co., 1111 Olive St., St. Louis 1, Mo. STEPHENS, FRANK H., JR. (S'51-A'52-M'57), Pres., F. Hastings Stephens Labs., Inc., 1410 Pagic Bidg., Miami 32, Fla.
- 32, Fla.
 STEPHENS, FREEMAN M. (S'56-M'57), Elec. Engr., Convair, Pomona, Calif.
 STEPHENS, G. BYRON (S'57-A'57), Master Control Technician, Wichita Television Corp., Inc., KARD-TV, 833 N. Main, Wichita 6, Kan.
 STEPHENS, HARVEY M. (A'48), Sales Engr., Weston Instruments Div., 2001 S. Grand Ave., Los Angeles 7, Calif.
- STEPHENS, JOE F. (A'55), Design Engr., GE Co., Owens-

- STEPHENS, JUE F. (A'SS), Design Engr., GE Co., Owensboro, Ky.
 STEPHENS, MARVIN C. (A'S3), Engr., Radio Engrg. Labs., 29-01 Borden Ave., Long Island City, N.Y.
 STEPHENS, RAYMOND A. (M'S7), Research Engr., Lockheed Missiles & Space Div., Sunnyvale, Calif.
 STEPHENS, RONALD L. (S'57-A'S8), Consulting Engr., Walter F. Kean, Consulting Radio Engrs., 19 E. Quincy St., Riverside, Ill.
 STEPHENS, THOMAS C. (A'44-SM'48), Crosley Div., Avoc Mfg. Corp., 4890 Spring Grove Ave., Cincinnatii 32, Ohio.
- STEPHENS, THOMAS L. (S¹53-M¹56), Plant Engr., GE Co., 1630 S. Fayetteville St., Asheboro, N.C. STEPHENSON, AVONALE L. (M¹58), 8609 Saran Dr.,
- Playa Del Rey, Calli.

 STEPHENSON, DWIGHT L. (S'50-A'52-M'52), Staff Mem., Los Alamos Scientific Lab., Box 1663, Los Alamos, N. M.

 STEPHENSON, EARL D. (S'49-A'50-M'56), District Mgr., Ladish Co., Kenosha, Wis.

 STEPHENSON, EVERETT L. (SM'55), Production Engr., Supvr., GE Co., 316 E. 9, Owensboro, Ky.

 STEPHENSON, GEORGE E. (SM'56), Dir., Engrg. & Mfg., Control Instrument Co., 67 35 St., Erooklyn 32, N.Y.

 STEPHENSON, H. L. (A'45), Engr., Westem Electric Co., Chatham Rd., Winston-Salem, N.C.

 STEPHENSON, HOBACTA IEM, N.C.

 STEPHENSON, HOBACTA IEM, SC'46-A'47), TV Engr., NBC, Sunset & Vine, Hollywood, Callif.

 STEPHENSON, HOBACTA IEM, SC., SERVING, Remote Supvr. Playa Del Rev. Calif.

- NBC, Sunset & Vine, Hollywood, Callf.

 STEPHENSON, HOWARD B. (A'42-M'49), Remote Supvr.,
 WBEN, Inc., Hotel Statler-Hilton, Buffalo 2, N. Y.

 STEPHENSON, J. GREGG (A'45-M'47-SM'50), Deputy
 Project Dir., Airborne Instruments Lab., Walt Whitman
 Rd., Huntington, L.I., N. Y.

 STEPHENSON, JAMES O. (S'43-A'45-M'55), Principal
 Engr., Bendix Radio Div., Baltimore 4, Md.

 STEPHENSON, JOHN M. (A'53-M'58), Project Engr.,
 Philto Corp., 3875 Fabian Way, Palo Alto, Calif.

 STEPHENSON, LARRY D. (S'56-M'59), 99 S. 5, E.,
 Bountiful, Jtah.

- Bountiful, Utah.

 STEPHENSON, JUTHER (M'56), Electronics Engr., System Development Corp., Box 98, Lexington 73, Mass.

 STEPHENSON, MALCOLM L. (A'5B), Chief Engr., Pye Corp. of America, 1149 Raritan Ave., Highland Park, N. J. STEPHENSON, PAUL L. (A'54), Test Supor., Univ. of California Radiation Lab., Box 45, Mercury, Nev.

 STEPHENSON, RICHARD G. (M'45-SM'52), Mem. Tech. Staff, Space Technology Labs., Inc., 7500 W. El Segundo Bivd., Los Angeles 45, Calif.

 STEPHENSON, RICHARD O. (S'49-A'51-M'56), Sr. Research Engr., Aeroniutronic Systems, Inc., 2701 Halladay St., Santa Ana, Calif.

 STEPHENSON, WILLIAM R. (S'55-M'57), Jr. Engr., Oe-
- STEPHENSON, WILLIAM R. (\$'55-M'57), Jr. Engr., Oe-Havilland Aircraft of Canada, Ltd., Downsview, Ont., Canada.
- STEPHY, HARRY M. (M'57), Mgr., Advanced Sales, GE Co., Defense Systems Dept., 300 S. Geddes St., Syra-cuse, N.Y.

- STEPIC, WILLIAM W. (S'54-M'56), Engr., ITT Labs., Nutley 10. N. J.
 STEPKA, ANTHONY J. (A'54), Field Elec. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.
 STEPNER, ALLEN B. (A'59), Electronics Engr., Tech. Writer, Lehigh Engrg. Associates, 295 Plane St., Newark, N.J.
- N.J., STEPPLER, ROBERT V. (A'42-M'50), Electronic Sci-entist, USN Electronics Lab., San Diego 52, Calif. STERK, ANDREW A. (A'48-M'55), Chief Dev. Engr., Phillips Electronics, Inc., 750 S. Fulton Ave., Mt. Vernon, N.Y.
- STERLEY, RALPH R. (S'49-A'50-M'55), Elec. Engr., Bonneville Power Administration, Box 191, Snohomish,
- Wash.
 STERLING, GEDRGE E. (M'41-SM'43-F'49), Consultant,
 Peaks Island, Portland, Me.
 STERLING, JOEL J. (S'50-A'51-M'56), Pres., Sterling
 Transformer Corp., 297 N. 7 St., Brooklyn 11, N.Y.
 STERLING, JOHN A. (A'47), Sales Engr., Radio Engrg.
 Prods., Ltd., 10BO University St., Montreal, P.Q.,
 Canada.

- Prods., Ltd., 1080 University St., Montreal, P.Q., Canada.

 STERLING, ROBERT W. (A'51), Mgr., Engrg. Supvr., Sperry Electronic Tube Div., Gainesville, Fla.

 STERLING, SEYMOUR (S'42-A'47-M'52), Pres., S. Sterling Co., 15310 W. McNichols, Detroit 35, Mich.

 STERMAN, IRWMIN I. (S'54-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 STERN, ARTHUR P. (A'51-SM'55), Mgr., Electronic Components Lab., Electronics Lab., GE Co., Svracuse, N.Y.

 STERN, DAVID M. (S'52-A'54-M'59), Asst. Engr., Burroughs Corp., Research Center, Paoli, Pa.

 STERN, DOMALD L. (M'56), Sr. Engr., American Bosch Ama Corp., Garden City, L.I., N.Y.

 STERN, EMANUEL (M'57), Research Assoc., IBM, 612 W. 115 St., New York 25, N.Y.

 STERN, ERICK (S'49-A'50-M'55), Sr. Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 STERN, FRNEST (S'55-M'56), Engr., GE Electronics Lab., Syracuse, N.Y.

 STERN, FRANK G. (S'56-M'59), B2-67 Austin St., Kew Cardens 15, L.I., N.Y.

 STERN, FRED (M'55), Mgr., Prod. Engr., Internatl. Resistance

- Gardens 15, L. F., N. Y.
 STERN, FRED (M'55), Mgr. Prod. Engr., Internatl. Resistance
 Co., 401 N. Broad St., Philadelphia 8, Pa.
 STERN, HARRY (M'46-SM'52), Asst. Mgr., Mktq., Allegany Instrument Co., Inc., 1091 Wills Mountain, Cumberland, Md.
- STERN, HELMAN I. (S'55-M'58), Elec. Engr., Servonics, Inc., B22 N. Henry St., Alexandria, Va. STERN, JOSEPH L. (S'43-A'45-M'55), Sr. Project Engr., CBS Television, 485 Madison Ave., New York 22, N.Y.

- STERN, JOSEPH M. (S'50-A'53-M'5B), Mem. Tech. Staff, Ramo-Wooldridge, 5730 Arbor Vitae St., Los Angeles 45,

- Ramo-Wooldridge, 5730 Arbor Vitae St., Los Angeles 45, Calif.

 STERN, KURT (S'57-M'57), Microwave Components Design Engr., Polarad Electronics Copp., 43-20 34 St., Long Island City 1, N.Y.

 STERN, MARTIN M. (M'56), Sr. Flectronics Engr., ITT Labs., Nutley 10, N.J.

 STERN, MARVIN (M'59), Staff Exec., Genl. Dynamics Corp., 1001 Connecticut Ave., Washington, D.C.

 STERN, MARVIN (M'59), Staff Exec., Genl. Dynamics Corp., 1001 Connecticut Ave., Washington, D.C.

 STERN, MARVIN A. (A'54), Sr. Elec. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9. N.Y.

 STERN, MICHAEL M. (S'57-M'58), Engr., Sylvania Data Systems Div., Needham, Mass.

 SIERN, MORTON (S'55-M'56), Elec. Engr., Motorola, Inc., 4545 W. Augusta. Chicago 44, Ill.

 STERN, MORTON L. (M'56), Quality Control Mgr., Stavid Engr., Inc., Rec. 22, Plainfield, N.J.

 STERN, PHILIP D. (A'59), 35 Lilalvin Dr., Fairfield. Conn. STERN, ROGER M. (A'47-M'59), Pres., Publication Engr., Consultants, 93 Nassau St., New York 38, N.Y.

 STERN, STANLEY (S'58-M'59), Engr., Airborne Instruments Lab., Mineola, L.I., N.Y.

 STERN, STANLEY (S'58-M'59), Engr., Airborne Instruments Lab., Mineola, L.I., N.Y.

 STERN, THOMAS E. (S'54-M'57), Asst. Prof., Elec. Engr., Columbia Univ., Morning side Heights, New York 27, N.Y.

- N.Y.

 STERN, WILLIAM (A'56), Systems Reliability Engr., Kearfott Co., Inc., 1150 McBride Ave., Little Falls, N.J.

 STERNBACH, SAM J. (A'53), Group Engr., Martin Co., Orlando, Fla.

 STERNBERG, MURRAY (S'56-M'58), Elec. Engr. Polarad Electronics Co., Inc., 43-20 34 St., Long Island City 1, N.Y.

- rv. r. STERNBERG, SIDNEY (SM'56), Chief Engr., RCA Astro-Electronic Prods. Div., Princeton, N.J. STERNE, KARLE. (S'52-A'55), Computer Sales Mgr., Beckman/Berkeley Div., 2200 Wright Ave., Richmond 3, Calif.

- Calif.
 STERNER, EVERETT L. (A'53), Publication Engr., Sperry Phoenix Co., Phoenix, Ariz.
 STERNER, FRANCIS L. (S'155-M'58), Engr., 8endix Aviation Corp., York, Pa.
 STERNER, JOHN F. (SM'53), Mgr., Test Equipment Design, RCA, Camden, N.J.
 STERNER, PHILIP E. (M'57), New Prod. Mgr., Erie Resistor Corp., 644 W. 12, Erie, Pa.
 STERNER, WILLIAM J. (A'57), Electronics Technician, Bendix Aviation Corp., 95 Troost St., Kansas City, Mo.
 STERNICK, SIDNEY H. (A'51-M'56), 199 8ue Hill Ave., Milton 87, Mass.
 STERNICE, EUGENE C. (S'38-A'40-SM'49), Tracking Dept.
- writton 07, Mass.
 STERNKE, EUGENE C. (S'38-A'40-SM'49), Tracking Dept.
 Mgr., Aeronutronic Systems, Inc., 1234 Air Way, Glendale,
 Calif.
- STERNLICHT, LEOPOLD (A'54-M'56), Transistor & T.W.T. Group Leader, Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, Ill.
- STERNLING, ANTHONY J. (M'55), Radio Engr., State of Idaho, Debt. of Highways, Bolse, Idaho. STERN-MONTAGNY, FRANCIS H. (A'55), Dev. Engr., IBM, Kingston, N.Y.

- STERN-MONTAGNY, FRANCIS H. (A'55), Dev. Engr., IBM, Kingston, N.Y.

 STERNS, ROBERT B. (M'58), Pres., Sterns Control Corp., 220 E. Shore Rd., Great Neck, L.I., N.Y.

 STERNS, WILLIAM G. (M'47), Staff Engr., Meridan Metalcraft, Inc., 8739 S. Millerarove Dr., Whittler. Calif.

 STERRETT, JAMES E. (A'55-M'57), Design & Dev. Engr., Granger Assoicate, 966 Commercial St., Palo Alto. Calif. STERRETT, JOSEPH P. (M'58), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.

 STERTMANN, WALTER E. (A'54), Transmitter Engr., KMOXTV, CBS, 1215 Cole St., St. Louis 6, Mo.

 STERZER, FRED (M'56), Physicist, RCA, Princeton. N.J.

 STETLER, ISAAC H. (A'55), Genl. Mgr., Power Equipment Co., 315 Harding Way, E., Galton, Ohio.

 STETSON, HARLAN T. (A'31-VA'39-M'55), 541 Lido Dr., Ft. Lauderdale, Fla.

 STETTLER, CLIFFORD O. (S'48-A'51-M'58), Asst. Elec.

- STETTLER, CLIFFORD 0. (S'48-A'51-M'58), Asst. Elec. Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, III.
- STEUBE, FEDERICO R. (A'52), Audio Engr., Industrias Electricas y Musicales Odeon Ave., Corrientes 485, Buenos Aires, Argentina.
- STEUDEL, FRITZ (M'58), Engr., Raytheon Mfg. Co., Wayland,
- Mass.
 STEUDEL, WILLIAM R. (S'57-M'59), Engr. C, RCA, Moorestown, N.J.
 STEUER, VICTOR F. (M'56), Engr., Consolidated Electrodynamic Corp., Transducer Div., 1400 S. Shamrock Ave., Monrovia, Calif.
 STEVE, WILLIAM T. (M'54), Supvg. Electronics Field Engr., Dynamic Electronics of New York, Inc., 73-39
 Woodhaven Blvd., Glendale, L.I., N.Y.

- Woodhaven Blvd., Glendale, L.I., N.Y.
 STEVENS, ARRAM M., JR. (A'55), Electronics Technician,
 Electric Boat Co., Groton, Conn.
 STEVENS, ANDREW (A'56), Chief Engr., McPhar Engra.
 Co., 139 Bond Ave., Don Mills, Ont., Canada.
 STEVENS, ARCHIE M. (A'12-M'25-F'31)(L), Radio Engr.,
 IT&T Co., 67 Broad, New York 4, N.Y.
 STEVENS, ARTHUR J. (A'56), V.P., Genl. Mgr.,
 Nuclear Systems Div., 2950 Roberts Ave., Philadelphia 32, Pa.

- phia 32, Pa.
 STEVENS, ARTHUR W. (A'58), Chief Radar & Fire
 Control Technician, "A" 8try, 2d Mst. Bn (Nike Ajax)
 59th Arty, Paoli, Pa.
 STEVENS, BENJAMIN A. (S'56-M'57), Construction
 Engr., Chlorine Plant, Jefferson Chemical Co., Inc.,
 80x 108, Port Neches, Tex.
 STEVENS, CARL A. (A'42-SM'48), Consultant Prof.
 & Head, Dept. of Electronic Engrg., Lowell Technological
 Institute, Lowell, Mass.
- Institute, Lowell, Mass.
 STEVENS, CHARLES L. (A'52), Electronics Engr., COM-SEC, Communications, Branch, Research & Dev. Div., OC SIG 0, Dept. Army, Pentagon, Washington 25, D.C. STEVENS, CHARLES R. (S'49-A'50-M'56), Asst. Supwr., Electronic Engrg., AlResearch Mfg. Co., 402 S. 36 St., Phoenix, Ariz.
- STEVENS, DAYLE R. (A'58), Field Service Engr., Minn-eapolis-Honeywell (Aero Div.), 2600 Ridgeway Rd., Minneapolis 13, Minn.

- STEVENS, DONALD R. (S'56-M'5B), Design Engr., Collins Radio Co., Cedar Rapids, lowa.
 STEVENS, EZRA F. (A'53-M'5B), Pres., Stevens-Arnold, Inc., 7 Elkins St., South Boston 27, Mass.
 STEVENS, FRANK J. (M'47), Pres., Isolantite Mfg. Corp., Warren Ave., Stirling, N. J.
 STEVENS, FRANK R. (M'56), Administrative Asst., Raytheon Mfg. Co., Waltham, Mass.
 STEVENS, FREDERICK, JR. (S'46-A'49-SM'54), Mgr., Electronic Systems & Equipment Div., Nortronics, 222 Prairie, Hawthorne, Calif.

- PTAIRIE, MAWHORME, CAIH.
 STEVENS, HAROLD E. (M'50), Chief Engr., Bird
 Electronic Corp., 1800 E. 3B St., Cleveland, Ohio
 STEVENS, HARRY C. (S'54-A'55), Electronics Engr.,
 Avco Research & Advanced Dev. Div., Lawrence,
- mass.
 STEVENS, JAMES C. (S'5B-A'59), Engr., Cowles
 Broadcasting Co., KRNT, 9 & Pleasant, Des Moines, Iowa.
 STEVENS, JAMES E. (S'54-M'56), Research Engr.,
 Research Labs., GMC., 12 Mile & Mound Rds., Warren,
 Mich.
- STEVENS, JAMIER E. (A'43-M'49), Research Physicist, Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

- Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 STEVENS, JOHN C. (A'57), Administrative Asst., Stanford Research Institute, Stanford Village, Menlo Park, Calif.

 STEVENS, KENNETH N. (S'44-A'47-M'55), Assoc.
 Prof., MIT, Cambridge 39, Mass.
 STEVENS, LOUIS D. (S'47-A'50-SM'54), Mgr., Prod.
 Dev. Lab., IBM, San Jose, Calif.
 STEVENS, RALPH R., JR. (M'57), Physicist, Los Alamos Scientific Lab., Los Alamos, N.M.

 STEVENS, RALPH R., JR. (M'57), Physicist, Los Alamos Scientific Lab., Los Alamos, N.M.

 STEVENS, RAYMOND H. (S'53-M'57), Project Engr.,
 Bell Sound Div., Thompson-Ramo-Wooldridge, Inc.,
 555 Marion Rd., Columbus 21, Ohio.

 STEVENS, RICHARD L. (A'55), Foreman Service, C & P
 Telephone Co., 930 H St., N.W., Washington, D.C.

 STEVENS, RICHARD L. (S'44-A'45-M'54), TV Systems
 Engr., RCA, Camden 2, N.J.

 STEVENS, ROBERT A. (S'54-A'55), Electronics Singr.,
 The Magnavox Co., Research Labs., 2255 Carmelina
 Ave., Los Augeles 64, Calif.

- Ave., Los Angeles 64, Calif.

 STEVENS, ROBERT D. (A'56), Electronics Technician (Circuit Elements), USAF, Wright Field, 2260 Hillside, Springfield 4B, Ohio.

 STEVENS, ROBERTSON (M'53), Sect. Chief, Guidance Techniques Research, California Institute of Technology, Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena, Calif. STEVENS, ROGER E. (A'53), Service Rep., Royal McBec Coro., 7B02 Memorial Pkwy., S., Huntsville, Ala.

 STEVENS, ROGER T. (A'52-M'55), Sr. Electronics Engr., Electronics Systems, Inc., 105 Chauncy St., Boston 11, Mass.

 STEVENS, ROY R. (S'48-A'49-M'55-SM'55), Die-

- Mass.
 STEVENS, ROY R. (S'48-A'49-M'55-SM'55), Dis-trict Plant Supt., Michigan Bell Tel. Co., 114 N. Division, Grand Rapids, Mich.
 STEVENS, STANLEY (M'52), M:crowave Consultant, S. Stevens & Associates, Los Angeles, Calif. STEVENS, THOMAS J. (M'5B), Sr. Engr., Communica-tions, Canadian Marconi Co., Box 994, St. John's, Nfld.,

- Canada.
 STEVENS, THOMAS R. (S'57-A'5B), Electronics Engr., Guth Electronics, Lancaster, Ohio.
 STEVENS, THOMAS W. (A'54), District Sales Mgr., Communications, GE Co., Box 756B, Oklahoma City, Okla.
 STEVENS, WALTER C. (M'54), Pres. & Genl. Mgr., Stevens Mfg. Co., Inc., Box 1007, Mansfield, Ohio.
 STEVENS, WALTER T., JR. (S'51-A'52-M'58), Elec. Engr., Kirk Engrg., 8ankers Securities 8ldg., Philadel-phia 7, Pa.

- phia 7, Pa.

 STEVENS, WARREN J. (A'47-M'55-SM'57), Chief Engr., CBS, WEEI, 1B2 Tremont St., Boston 12, Mass.

 STEVENS, WILLIAM Y. (S'54-M'59), Assoc. Engr., IBM, Poughkeepsie, N.Y.

 STEVENSO., DONALD D. (A'55), Electronics Engr., U.S. Naval Ordnance Test Sta., China Lake, Calif.

 STEVENSON, DONALD L. (S'56-M'58), Jr. Engr., U.S. Naval Ordnance Test Sta., China Lake, Calif.

 STEVENSON, DONALD L. (S'56-M'58), Jr. Engr., AC Spark Plug Div., 1925 E. Kenilworth, Milwaukee, Wis.

 STEVENSON, ERNEST (M'57), Test Equipment Designer, Lear, Inc., 3171 S. Bundy St., Santa Monica, Calif.

 STEVENSON, GEORGE D. (A'58), Mgr., E.G., Holmes & Associates, 1220 Edgewater Or., Orlando, Fia.

 STEVENSON, HUGH (4'42-M'45), 176 Berton St.,

- STEVENSON, HUGH (A'42-M'45), 176 Benton St., Rochester 20, N.Y.
- Rochester 20, N.Y.

 STEVENSON, KENNETH (M'57), Asst., Engr., V. H., F., Radio Planning, Chief Engr's. Office, Ministry of Posts, 2nd St., Salisbury, S. Rhodesia, Central Africa.

 STEVENSON, LOUIS A., JR. (S'48-A'51-M'58), Consulting Engr., 9 Ave., De L'Observatoire, Paris 6, France.

 STEVENSON, MIREK J. (S'56-M'58), Physicist, Research Labs., I8M, Poughkeepsie, N.Y.

 STEVENSON, MURRAY H. (A'39-VA'39-SM'48), Chief Engr., Amalgamated Television Services Pty., Ltd., ATN Television Centre, Epoing, N.S.W., Australia.

 STEVKO, PHILLIP J., JR. (S'59-A'53-M'58), Elec.

- STEVKO, PHILLIP J., JR. (S'50-A'53-M'58), Elec. Engr., Addressograph-Multigraph Corp., 1200 Babbit Rd., Euclid 23, Ohio.
 STEWARD, CAMPBELL (M'58), Electronics Engr., Office of Air Navigation Facilities, FAA, Washington, D.C.
- STEWARD, LEWIS B., JR. (M'56), Lab. Mgr., Jen-nings Radio Mfg. Corp., 970 McLaughlin Ave., San Jose, Calif.
- Jose, Calif.

 STEWARD, MALCOLM H. (S'47-A'52-M'57), Group Leader, Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.

 STEWARD, RAYMOND L. (M'59), Electronics Engr., U.S. Army Signal Equipment Support Agency, Ft. Monmouth, N.J.
- mouth, N.J.
 STEWARD, RICHARD H. (A'49), Elec. Engr., Hughes
 Aircraft Co., Culver City, Calif.
 STEWARD, WENDELL B. (SM'48), Admin. Asst. to V.P.
 Schlumberger Well Surveying Technique Corp., 5000
 Gulf Freeway, Houston, Tex.
 STEWART, A., KENNETH (S'52-A'53-M'5B), Mgr., Quality
 Assurance Dept., Raytheon Mfg. Co., Lowell, Mass.
 STEWART, A.LBERT W. (S'55-M'59), University Club,
 Blacksburg, Va.
 STEWART ALIDER (A'54), Eng. School Conscious
- STEWART, ALFRED E. (A'5é), Engr., Sparry Gyroscope Co., Great Neck, L.I., N.Y.

- STEWART, ALISTAIR C. (A'55), Mgr., Industrial Div., Automatic Electric Sales, (Canada), Ltd., 1B5 Bartley Dr., Toronto 16, Ont., Canada.
 STEWART, ALLEN A. (A'45), Distributor, Packard-Bell Electronics Corp., B461 Warner Dr., Culver City, Calif. STEWART, ARTHUR C. (M'54-SM'58), Tech. Supwr., KFAB. 50.10 Underwood Ave., Omaha, Neb. STEWART, ARTHUR W. (A'45-M'45), Engr., Foster Trans former Co., 3B20 Colerain, Cincinnati 25, Ohio. STEWART, BANNIE L. (A'50-M'55), Cant., USN, Reslent Inspector of Naval Material, Western Electric Co., Winston-Salem, N.C.

- Inspector of Naval Material, Western Electric Co., Winston-Salem, N.C.
 STEWART, C. OWEN (S'49-A'51), Research Engr., Hughes Aircraft Co., Culver City, Calif.
 STEWART, C. Caliver City, Calif.
 STEWART, CHANDLER (S'39-A'41-SM'49), Head Electronic Scientist, Mine Detection Branch, U. S. Army Engr. Research & Dev. Labs., Ft. Belvoir, Va.
 STEWART, CHARDLES W. (S'53-A'54), Engr., ITT Labs., E. Pontiac, Ft. Wayne, Ind.
 STEWART, CLARENCE H., III (S'48-A'50-M'53-SM'57), Chief Engr., Dualex Div., Bell & Gossett Co., B200 N. Austin Ave., Morton Grove, III.
 STEWART, CLYDE (A'45-SM'55), Project Engr., Collins Radio Co., Cedar Rapids, Jowa.
 STEWART, DANIEL E. (S'54-M'55), Owner, Stewart Electronics, Box 211 A, Star Rt., Columbus, Miss.
 STEWART, EUGENE W. (M'58), Project Engr., Collins Radio Co., 2700 W. Oilve, Burbank, Calif.
 STEWART, F. BRUCE (S'57-M'58), Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 STEWART, G. LAVERNE (A'48-M'53-SM'59), Chief Inst., School of Electronics, Ryerson Institute of Technology, 50 Gould St., Toronto, Ont., Canada.
 STEWART, GEORGE H. (S'50-A'51-M'56), Elec. Engr., Dept. of Medical Physics, Temple Univ. Medical School, Philadelphia 40, Pa.

- Philadelphia 40, Pa.

 STEWART, GEORGE R. (M'57), Research Engr., Hughes Alrenaft Co., Chilwo City, Calif STEWART, GLENN W. (M'55), Project Systems Engr., Convair, Box 74B, Ft. Worth, Tex.

 STEWART, HAROLD H. (A'40-5M'55), Prof., Elec. Engrg., Queen's Univ., Kingston, Ont., Canada.

 STEWART, HARRUE M. (A'46-SM'50), Prof., Elec. Engrg., Univ. of Arizona, Tucson, Ariz.

 STEWART, J., ALAN (A'46-SM'55), Production Mgr., Loral Electronic Corp., 825 Bronx River Ave., New York 72, N.Y.
- N.Y.
 STEWART, J. C. (S'53-A'54-M'57), Engr., Western Electric Co., White Sands Proving Ground, Las Cruces, N.M.
 STEWART, J. RUSSELL (SM'5B), Head of Telephone Terminal Design Group, Systems Engrg. Dept., Motorola, Inc., 4501 Augusta Blvd., Chicago 51, III.
 STEWART, JAMES A. (S'49-A'52-M'56), Staff Engr., Lenkurt Electric Co., Inc., 1105 County Rd., San Carlos, Calif.

- Call.
 STEWART, JAMES A. (A'37-SM'54), Supvg. Engr., Michigan Bell Tel. Co., 1365 Cass Ave., Detroit 26, Mich.
 STEWART, JAMES P. (A'55), Lt. Cmdr., USCG, Commanding Officer, USCGC Clover (WAGL-292), USCG, Navy 127, FPO, Seattle, Wash.
- STEWART, JAMES R. (A'53), Information Specialist, Wright-Patterson AFB, Comm. & Nav. Lab., Wright-Patterson AFB, Ohio.
- STEWART, JEROME W. (A'43), Transmitter Technician, WRCA-TV, WRCA-FM, NBC, 30 Rockefeller Plaza, New York 20, N.Y.
- STEWART, JOE L. (A'41-M'55), Chief, Frequency & Liaison Sect., Communications Div., USCG, Washington 25, D.C.

- 25, D.C.

 STEWART, JOHN (M'59), Sr. Engr., Systems Research Labs., Inc... 300 Woods Dr... Davlon 32, Ohio.

 STEWART, JOHN B. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 STEWART, JOHN H. (A'52), Assoc. Editor, Tech. Publications, Emmerson Electric Co., B100 Florrisant Rd., St. Louis, Mo.
- Louis, Mo.

 STEWART, JOHN J. (M'56), Sr. Engr., Hazeltine Electronics
 Coro.. Little Neck 62, L.I., N.Y.

 STEWART, JOHN L. (S'48-A'50-M'53-SM'56), Assoc.
 Prof., Elec. Engrg., Univ. of Southern California, Los
 Angeles, Calif.
- STEWART, JOHN M. (M'59), Mem. Scientific Staff, RCA Victor Co., Ltd., 1001 Lenoir St., Montreal 30, P.Q.,
- Canaoa.
 STEWART, JOHN M. (A'50-SM'54), Civilian Asst. for Electronics, Bureau of Ships, Navy Dept., Washington, D.C.
 STEWART, JOHN N. (S'58-M'59), Design, Instrumentation, Hydraulic Circuits, Components, etc., George L. Nankervis Co., 15300 Fullerton St., Detroit, Mich.

- Co., 15300 Fullerton St., Detroit, Mich.
 STEWART, LESLIE C. (S'57-M'5B), Engr., Electroacoustles Lab., Research Dept., Stromberg-Carlson Co.,
 1400 N. Goodman St., Rochester 9, N.Y.
 STEWART, MAURICE J. (A'39), Electronics Maint. Technician, FAA, Willow Run Airport, Ypsilanti, Mich.
 STEWART, NELSON H. (M'45-SM'51), Supvr., Cost Reduction, Friendship Electronics Div., Westinghouse Elec. Corp.,
 80x 1897, Baltimore 3, Md.
- 80x 1897, Baltimore 3, Mo. STEWART, NELSON J. (M'57). GE Co.. Svracuse, N.Y. STEWART, PHILIP P. (S'57-A'57), Technician, Northern Electric Co., Ltd., Sidney St., Belleville, Ont., Canada. STEWART, RALPH B., (A'19-M'26-SM'43)(L), Lawyer, Patent Law, private practice, Natl. Press Bldg., Washington 4, D.C.

- Patent Law, private practice, Natl. Tress Blud., washington 4, D.C.
 STEWART, RICHARD F. (A'54-M'57), Branch Mgr., Diode & Rectifier Dept., Semiconductor-Components Div., Texas instruments, Inc., Box 312, Dallas, Tex.
 STEWART, ROBERT F. (S'49-A'50), Sales Engr., Genl. Communication Co., 677 Beacon St., Boston, Mass.
 STEWART, ROBERT J. (SM'58), Sect. Hearl, Research, Lockheed Missile Systems Div., Palo Alto, Calif.
 STEWART, ROBERT M. (SM'58), Sr. Men. Tech. Staff, Space Electronics Corp., 1200 Air Way, Glendale, Calif.
 STEWART, ROBERT M., JR. (M'44), Assoc. Prof., Physics Dept., lowa State College, Ames, lows.
 STEWART, ROBERT M. (A'55), Sales Engr., Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles 5, Calif.
 STEWART, SAMUEL W. (M'46), Dir., Engray., Gabriel Electronics Div., The Gabriel Co., 135 Crescent Rd., Needham Heights 94, Mass.

- STEWART, STEDMAN J. (A'54), Mgr., Communications Div., Kenneth H. Cooper & Co., S. 23 Ave., Greeley, Colo. STEWART, THOMAS E., JR. (A'44), V.P., Electro-Mechanical Research, Inc., Sarasota, Fla. STEWART, THOMAS W. W. (S'52-A'53), Research Assoc., Univ. of Western Ontario, London, Ont., Canada. STEWART, W. F. (M'45-SM'46), Mgr., Aeronautical Electronics Service Corp., 3101 Pico Blvd., Santa Monica, Calif. STEWART, WALTER A. (A'46-M'55), Instr., San Diego City Schools, San Diego 15, Calif. STEWART, WALTER A. (A'46-M'55), Instr., San Diego City Schools, San Diego 15, Calif. STEWART, WELBY E. (A'35-SM'46), Chief Engr., The Standard Register Co., Oayton 1, Ohio. STEWART, WCHAP E. (M'53), Closed Circuit TV, GE Co., 3200 Maple Ave., Oallas, Tex. STIASNY, ROBERT (M'5B), Circuit Oesign Engr., Micro Module Debat., Semiconductor Div., RCA, Somerville, N.J. STICHT, RALPH J. (A'53-SM'59), Asst., Project Engr., Convair, Pomona, Calif. STICKLE, ROBERT L. (S'50-A'55), Mem. Tech. Staff, Bell Tel., Labs., Muray Hill, N.J. STICKLES, DOUGLAS (A'59), Audio Consultant, Johnson Electric Supply Co., Timmins, Ont., Canada. STICKLEY, C. MARTIN (S'56-M'59), Paudio Consultant, Johnson Electric Supply Co., Timmins, Ont., Canada. STICKLEY, C. MARTIN (S'56-M'59), Paudio Consultant, Johnson Electric Supply Co., Timmins, Ont., Canada. STICKLEY, C. MARTIN (S'56-M'59), Paudio Consultant, Johnson Electroince Engr., AF Cambridge Research Center, Bedford, Mass.

- Miss.

 STICKLEY, DAVID F. (A'54), Video Engr., KPRC-TV,
 Houston Post Co., Houston, Tex.

 STIDDARO, HARRY R. (A'54), Sr. Transformer Engr.,
 Airoax Prods. Co., Middle River, Baltimore 20, Md.

 STIEBEL, ARIEL (M'58), Tech. Engr., Rockwell Standard
 Corp., 2445 E. Maple Rd., Birmingham, Mich.

 STIEBER, ALEXANOER (A'53-M'59), Asst. Head, Systems Requirements Dept., Cornell Aeronautical Lab., Inc.,
 4455 Genesee St., Buffalo 21, N.Y.

 STIEDE, WAYNE L. (S'55-M'59), Pile Physicist, GE
 Co., Hanford Atomic Prods. Operations, Richland, Wash.

 STIEFEL ALFREO A. (S'50-A'5-M'58) Sect. Head, Al
- Co., Hanford Atomic Prods. Operations, Richland, Wash.

 STIEFEL, ALFREO A. (S'50-A'52-M'58), Sect. Head, Alrborne Instrument Lab., Mineola, L.I., N.Y.

 STIEFEL, ELI (A'57), Genl. Mgr., Kahle Engrg. Co.,
 3322 Hudson Ave., Union City, N.J.

 STIEFEL, KENNETH E. (S'49-A'53-S'56-M'57), Electronics Engr., Bell Tel. Labs., Whippany, N.J.

 STIEFEL, PAUL (M'56), Sr. Elec. Engr., Hammond
 Organ Co., 2915 N. Western, Chicago, III.

 STIEFEL, RUDY C. (A'50), Project Supvr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 STIEGELMAR, LOREN R. (S'54-A'55), Lt. Cmdr., USN,
 Exec. Officer, USS Higbee (ODR/86), LT. Cmdr., USN,
 Exec. Officer, USS Higbee (ODR/86), FPO, San Francisco, Calif.

- Cisco, Calif.

 STIEGLITZ, CHARLES B. (M'59), 602 Broad St., Endicott, N.Y.

 STIEL, JONAS (S'55-M'56), Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 STIEPEL, GEORGE W. (A'43), Sr. Electronics Engr., Hazeltine Corp., Little Neck 62, L. I., N.Y.

 STIFLER, WILLIAM W., JR. (A'52-SM'56), V.P., Aladdin Electronics, Oiv. of Aladdin Industries, Inc., 703 Murfreesborn Rd., Nashville 10, Tenn.

 STIFTER, FRANCIS J. (S'56-M'58), Asst. Elec. Engr., Raytheon Mfg. Co., Wayland, Mass.

 STILES, ALBERT P. (M'56), ASst. Head, Model Shop, American Bosch Arma Corp., Garden City, L.I., N.Y.

 STILES, CHARLES J. (M'59), Process & Prod. Dev. Engr., Internatl. Resistance Co., 401 N. Broad St., Philadelphia 8, Pa.
- STILES, OONALO H. (S'57-A'59), Electronics Technician, Repair & Maint. Equipment, Lawrence Radiation Labs., East Ave., Livermore, Calif.
- Ave., Livermore, Calif.

 STILES, JOHN E. (M'53), V.P., Lynch-Stiles, Inc.,
 35 W. North Shore Or., Ft. Myers, Fla.

 STILES, KENNETH P. (SM'49), Overseas Radio Systems Engr., AT & T.Co., 32 Ave. of the Americas,
 New York 13, N.Y.
- STILES, MERRILL G. (S'43-A'46-M'55), Transmitter Engr., Newark Broadcasting Corp., 1225 Raymond Blvd., Newark 2, N.J.
- STILES, ROLLASTON G. (S'41-A'43-SM'55), Sr. Engr., Navy Dept., Bureau of Ships, Washington 25, D.C.
- STILL, EOWIN W. (A'58-M'59), Specialist, Behavioral Sciences, Operations Research & Synthesis, GE Co., Utica, N.Y.
- Otica, N.Y.
 STILL, JOHN G. (A'54), Foreman, Electronics Shop, Friden, Inc., 2350 Washington Ave., San Leandro, Calif.
- STILLEY, JOHN C. (M'56), Sr. Electronics Oesign Engr., Arabian-American Oil Co., 505 Park Ave., New York 22, N.Y.
- 22, N.Y.
 STILLMAN, EOWARD H. (S'56-M'59), Elec. Engr.,
 Sylvania Electronic Oefence Lab., Evelyn & Whisman,
 Mountain View, Calif.

- Mountain View, Calif.

 STILLMAN, GREGORY E. (S'56-M'59), 2nd Lt., USAF, Home: 2213 W. Broadway, Enid, Okla.

 STILLMAN, MORTON (S'55-M'59), Consultant Oesign Engr., GE Co., Ithaca, N.Y., S'51LLSON, JAMES W. (A'52), Sr. Experimental Technician, Bendix Aviation Corn., Box 1159, Kansas City 41, Mo.

 STILLWATER, JOSEPH (A'57), Electronics Oesign & Dev. Engr., Flight Test & Instrumentation Engro. Dest., Auro Aircraft Co., Ltd., Malton, Ont., Canada.

 STILLWELL, ALBERT L. (SM'46), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 STILLWELL, HARRY F. (M'54-SM'56), Group Head, Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex.
- STILLWELL, HOWARO R. (S'50-A'52-M'58), Elec. Engr., GE Co., Syracuse, N.Y. STILTMER, ERNEST (S'56-M'58), Instr., Geophysical Research, Geophysical Institute of The Univ. of Alaska, College, Alaska.

- College, Alaska.

 STILTZ, HARRY L. (M'58), Group Engr., Telemetry & Dev., Lockheed Aircraft Corp., Marletta, Ga.

 STILWELL, DENZIL, JR. (M'59), Engr., Melpar, Inc., 3000 Arlington Bivd., Falls Church, Va.

 STILWELL, GEORGE R., JR. (S'49-A'51-M'56), Sr. Planning Rep., IBM, 112 E. Post Rd., White Plains, N.Y.

 STIMMEL, RONALD G. (A'49-M'55-SM'57), Chief, Identification & Oata Conversion Branch, Communication & Navigation Lab., Wright Air Oevelopment Center, Wright-Patterson AFB, Ohio.

- STIMPFL, ERNEST J. (S'58-A'58), Instrumentation Mechanic, Convair, Ft. Worth, Tex.
 STIMPSON, EDWIN C., JR. (S'52-A'53-M'58), Project Engr., Sperry Utah Engrg. Lab., 322 N. 21 W., Salt Lake City 16, Utah.
- Lake City 16, Utah.

 STIMSON, JAMES S. (A'55-M'59), Electronics Engrg.
 Officer, USAF Air Technical Intelligence Center, WrightPatterson AFB, Ohio.

 STIMSON, JOHN D. (S'49-A'50-M'55), Chief, Flight
 Electronics Sect., United Electrodynamics, 200 Allendale Rd., Pasadena, Calif.

- Electronics Sect., United Electrodynamics, 200 Allendiale Rd., Pasadena, Calif.

 STIMSON, PAUL B. (A'55), Research Asst., Woods Hole Oceanographic Institution, Woods Hole, Mass.

 STIMSON, RAY L. (A'49), Project Engr., Collins Radio Co., Cedar Rapids, Iowa.

 STINCHOMB, BOB G. (S'57-A'58), Engrg. Draftsman, Douglas Aircraft Co., Tulsa, Okta.

 STINCHFIELD, J.M. (A'29-M'38-SM'43), Physicist, Diamond Ordnance Fuze Labs., Washington 25, D. C.

 STINE, PAUL T. (M'47), Electronic Scientist, Head, Command & Telemetering Sect., Naval Research Lab., Washington 25, D. C.

 STINE, PAUL T. (M'47), Electronic Scientist, Head, Command & Telemetering Sect., Naval Research Lab., Washington 25, D. C.

 STINEMAN, JACOB W., JR. (A'54), Sr. Engr., Lansdale Tube Co., Church Rd., Lansdale, Pa.

 STINEMAN, JERN E. (M'52), Oistrict Sales Mgr., GE Co., 1722 Westwood Blvd., Los Angeles 24, Calif.

 STINGER, HENRY J. (A'45-M'50), Research Supvr., E. I. Du Pont Oe Nemours & Co., 101 Recent St., Willimington, Del.
- STINSON, ALLAN W. (M'56), Staff Officer, Ground Training Command of RCAF, Trenton, Ont., Canada. STINSON, DONALD. C. (S'50-M'57), Prof., Elec. Engrg., Univ. of Arizona, Tucson 25, Ariz.
- Univ. of Arizona, Tucson 25, Ariz.
 STINSON, EUGENER, C. (5'56-M'58), Design Engr.,
 Burroughs Corp., 14300 Tireman, Detroit, Mich.
 STINSON, IRA F. (M'53-SM'57), Col., USAF, Chief,
 Electronics Systems Oiv.; Office of Oir., Communicatio
 Electronics, Hors., USAF, Washington 25, O.C.
- STINSON, LAWRENCE W. (A'29), Design Engr., Continental Electronics Mfg. Co., 4212 Buckner Blvd., Dallas, Tex.
 STINSON, ROBERT C. (A'36-VA'39), Elec. Engr., Chrysler Corp., Central Engrg., 12800 Oakland Ave., Highland Park 3, Mich.
- STIO, WILLIAM V. (S'57-A'58), Engrg. Aide, Haz Electronics Corp., 138 Haven Ave., Port Washingt L.I., N.Y.

- Li., N.Y.

 STIRLING, HAROLO J. (M'57), Capt., U. S. Army, Signal Group, APO 331, San Francisco, Calif.

 STIRLING, PHILIP H. (M'56), Instrument Oesign Engr., Central Research Lab., Canadian Industries, Ltd., McMasterville, P.Q., Canada.

 STIRMAN, JEROME P. (A'56-M'58), Unit Head, Bureau of Aeronautics, Navy Dept., Washington 25, O.C.

 STIRCH, BYRL O. (A'53), Sr. Field Engr., Federal Electric Corp., 621-671 Industrial Ave., Paramus, N.J.

 STITCH, MALCOLIM L. (SM'58), Research Physicist, Group Head, Hughes Aircraft Co., Culver City, Calif.

 STITCH, MORTON (S'50-A'51-M'56-SM'58), Suovg. Engr., Hazeltine Electronics Oiv., Hazeltine Corp., Little Neck 62, L.I., N.Y.

- Ariz.
 STITH, GEORGE A. (M'58), Electronics Engr., Telecomputing Corp., Box 447, Holloman AFB, N.M.
 STITT, RICHARD P. (M'56), Mgr., Administration &
 Standards Engrg., GE Co., Utica, N.Y.
 STITT, THOMAS D. (S'58-M'59), Elec. Engr., Northwestern Bell Tel. Co., Omaha, Neb.
- STITZ, KENNETH W. (M'56), Oesign Engr., RCA, Moorestown, N.J.
- STITZER, JESSE (M'57), Mgr., High Voltage Systems Lab., Sorensen & Co., Inc., 333 E. 103 St., New York 29, N.Y.
- STIVER, JOHN W. (S'55-A'56), Field Engr., IBM, King-ston, N.Y.
- STIVERS, RAY B. (S'55-M'59), 701 W. Cordrey St., Orange, Tex.

- Orange, Tex.

 STLUKA, EDWARD F. (S'57-M'58), 2214 Medarls Rd., Huntsville, Ala.

 STOAKES, WILLIAM L. (A'51-M'57), Project Engr., 1TT Labs., 3702 E. Pontlac St., Ft. Wayne 6, Ind.

 STOBBART, ARTHUR J. (A'56-M'58), Owner, Arthur J. Stobbart, 56-14 Revere Rd., Drexel Hill, Pa.

 STOBBE, J. ALBERT (R'28-M'42-SM'43), Consulting Engr., 30 Broad St., New York 4, N.Y.

 STOBIE, EOWIN F. (S'55-M'56), Fire Control DIv. Supt., Aeronautical Electronto & Electrical Lab., Naval Air Development Center, Johnsville, Pa.

 STOBO. JOHN D. (A'56), Co-Prop., Maguire Electric, Ltd.,

- ment Center, Johnsville, Pa.

 STOBO, JOHN D. (A'56), Co-Prop., Maguire Electric, Ltd.,
 SIllery, P. Q., Canada.

 STOCCO, SILVANO L. (S'52-A'53-M'58), Area Meter &
 Relay Engr., Hydro-Electric Power Commission of Ontario,
 Box 56, Gravenhurst, Ont., Canada.

 STOCK, BERNARD L. (A'53-M'59), Chief Engr., (Univac
 Maintenance & Operation), Franklin Life Insurance Co.,
 800 S. 6 St., Soringfield, III.

 STOCK, DANIEL C. (A'52-M'58), Microwave Engr., Pitometer
 Log Corp., 237 Lafayette St., New York, N.Y.

 STOCK, DON J. R. (S'47-A'53), Ast. Prof., New York
 Univ., College of Engrg., University Hgts., New York
 53, N.Y.
- 53, N.Y.

 STOCK, EDWARD H. (S'45-A'50), Chief, Personnel Services, Natl. Research Council, Ottawa 2, Ont., Canada. STOCK, GENE B. (A'50), Instr., Elec. Engrg., Univ. of Arizona, Tucson, Ariz.

 STOCK, JOHN A. (A'51-M'57), Staff Engr., IBM, Monterey & Cottle Rds., San Jose, Calif.

 STOCK, KARL A. (M'58), V.P., Chief Engr., Resistance Prods. Co., 914 S. 13 St., Harrisburg, Pa.

 STOCK, ROBERT M. (M'59), Cornell Aeronautical Lab., Inc., Bulfalo 21, N.Y.

 STOCKARD. LOUIS C. (A'50-M'52), Owner, Coastal Elec-

- Inc., Buffalo 21, N.Y.
 STOCKARD, LOUIS C. (A'50-M'52), Owner, Coastal Electronics Co., 3635 Calder Ave., Beaumont, Tex.
 STOCKABERGER, JOHN M. (A'58), Field Engr., Western Electric Co., Winston-Salem, N.C.
 STOCKEBRANO, THO

- STOCKER, OONALD V. (S'48-A'51-M'56), Asst. Prof., Wayne State Univ., College of Engrg., Dept. of Elec. Engrg., Detroit 2, Mich.
- Wayne Sate Only, College or Engry, pept, or Elec.
 Engrs., Detroit 2, Mich.

 STOCKER, GOROON A. (M'54), Radar Engr., Internati. Aeradio, Ltd., c/o Karmak, Damascus, Syria.

 STOCKETT, THOMAS E. (S'56-M'58), br. Engr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Callf.

 STOCKHOFF, KENNETH C. H., (S'54-M'57), Electronics Engr., Hughes Aircraft, Culver City, Call.

 STOCKING, MARVIN H. (A'48), Field Engr., Philtoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 STOCKLEY, CHARLES H., JR. (S'52-A'54), Elec. Engr., Sandia Corp., Sandia Base, Albuquerque, N. M.

 STOCKLIN, WILLIAM A. (SM'57), Editor, Electronics World, 1 Park Ave., New York 16, N.Y.

 STOCKMAN, HARRY E. (A'42-M'44-SM'45), Prof. & Chmm., Dept. of Elec. Engrs., Merrimack College, North Andover, Mass.

 STOCKMAN, RICHARD R. (S'55-M'58), Oev. Engr., West-

- STOCKMAN, RICHARD R. (S'55-M'58), Oev. Engr., Western Electric Co. Home: Box 96, Mount Freedom, N.J.
- ern Electric Co., Home: Box 96, Mount Freedom, N.J.

 STOCKMAN, WILLIAM E. (M'46), Research Engr., American Machine & Foundry Co., Central Research Lab., 200 Henry St., Stamford, Conn.

 STOCKTON, EUGENE M. (M'57), Elec. Engr., RCA, Camden, N.J.

 STOCKWELL, EPHRIAM J. (M'58), Head, Data Systems, Naval Air Test Center, Flight Test Div., Patuxent River, Md.

 STOCKWELL, GLADE M. (A'54), Mech. Design Engr., Collins Radio Co., Cedar Rapids, Iowa.

 STOOOARD, DON J., JR. (S'48-A'51-M'56), Group Leader, Antenna Design, Dalmo Victor, 1515 Industrial Way, Belmont, Calif.

 STODDARD, LAMES C. (M'58), Sr. Engr., Sylvania Elec.

- Way, Belmont, Calif.

 STODDARD, JAMES C. (M'58), Sr. Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 STODDARD, RALPH N. (A'31), Retired, 741 W. Clinton St., Elmira, N.Y.

 STODDARD, ROBERT O. (S'56-M'58), Asst. Elec. Engr., Raytheon Mfg. Co., Wayland, Mass.

 STODDART, HUGH F. (M'55), V.P., Atomic Instruments, Baird-Atomic, Inc., 33 University Rd., Cambridge 38, Mass.
- Mass.
 STODOART, RICHARD R. (SM'45-F'58), Pres., Stoddart
 Aircraft Radio Co., Inc., 6644 Santa Monica Blvd., Hollywood 3B, Calif.
 STODDART, THOMAS W. H. (M'53), Geni. Mgr., Multitone of Canada, Ltd., 24 Merton St., Toronto 7, Ont.,
 Canada.
- STOODER, OAVID J. (A'57), Electronics Tech. Writer, Oouglas Aircraft Co., Inc., 14714 Aviation Blvd., Lawn-dale, Calif.

- STOOGERT, THOMAS M. (A'45-M'52), Electronics Engr., O. & R. Oent., Naval Air Sta., Norlolk, Va. STOOGLA, E. KING, (A'37-SM'45), Radio Engr., Reeves Instrument Corp., 215 E. 91 St., New York, N.Y. STOECKERT, EOWARD O. (S'48-A'50-M'54), Sr. Electronics Engr., Convair-Astornautics, San Diego, Calif.
- STOER, WILLIAM F. (M'53), Sr. Electronics Engr., Bendix Aviation Corp., 11600 Sherman Way, North Holly-wood, Calif.

- Bendix Aviation Com., 11600 Sherman Way, North Hollywood, Calif.

 STOFFEL, FREDERICK T. (M'55), Project Engr., Raytheon Mfg. Co., Waltham, Mass.

 STOFT, PAULE. (M'55), Oev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 STOGSOILL, MARION R. (M'52-M'58), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 STOJ, FRANK R. (S'48-A'51-M'55), Project Engr., Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark S, N. J.

 STOKELY, ROBERT G. (M'53), Reliability Coordinator, Motorola, Inc., 8201 E. McOowell Rd., Phoenix, Ariz.

 STOKELY, ROBERT J. (A'54), Radome Electronics Research Engr., Convair, San Olego, Calif.

 STOKER, COVAIR, STOKEN, CONSTRUCT OF CONTROL OF CONT
- STOKES, BYRON C. (A'47-M'50), Engr. in Chg., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.
- STOKES, CHARLES L. (S'50-A'51-M'56), Electronics Design Engr., GE Co., Syracuse, N.Y. STOKES, HOWARD S. (A'30-VA'39-SM'48), Electronics Engr., Bureau of Research & Oevelopment, FAA, Washington 25, D.C.
- ington 25, D.C.
 STOKES, IRVING (SM'55), Mgr., Advanced Projects & Planning, RCA, Moorestown, N.J.
 STOKES, JAMES W. (M'58), Box 858, Alamogordo, N.M.
 STOKES, LEWIS C. (M'58), Asst. Oesign Group Engr., Convair, Pomona, Calif.
 STOKES, LYLE S. (S'49-A'52-M'58), Research Engr., Hughes Aircraft Co., Culver City, Calif.
 STOKES, PHILIP F. (M'58), Elec. Engr., RCA, Moorestown, N.J.

- STOKES, POWELL B. (M'57), 126 City View, San Antonio 1, Tex. STOKES, STANLEY J. (A'56), Telecommunication Technician, Dept. of Natl. Defense, Highbury Ave., London, Ont., Canada.
- STOKLAS, FRANK P. (S'48-A'49-M'53), Mgr., C. W. Radar Engrs., RCA-MTP Range Engrg. Sect., Bldg. 989, Patrick AFB, Fla.
- Radar Engrg., RCA-MTP Range Engrg. Sect., Bldg., 989, Patrick AFB, Fla.

 STOKOE, RAYMOND H. (M'57), Oesign Engr., GE Co., Knows Atomic Power Lab., Schenectady, N.V.

 STOLAROFF, MYRON J. (M'48), Asst. to Pres., Ampex Corp., 934 Charter St., Redwood City, Calif.

 STOLERS, KONRADS (S'57-A'58), Lab. Techniclan, Ensign Coil Co., 2520 S. Pulaskir Rd., Chicaso 23, III.

 STOLESON, HARLEY N. (A'53), Project Engr., Advanced Communications Engrs. Div., Cook Electric, 6038 28 Ave., S.E., Washington 23, D.C.

 STOLL, CHARLES N. (S'56-M'57), Components Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 STOLL, JACK L. (A'50-M'55), Test Engr., Tektronix, Inc., Box 831, Portland 7, Ore.

 STOLL, PAUL J. (S'56-M'59), Elec. Engr., Autonetics Div., No. Amer. Aviation, Oowney, Calif.

 STOLLER, MILLAN D. (A'44-M'52), Electronic Scientist, Ballistic Research Lab., Aberdeen Proving Ground, Md.

- STOLLER, MORTON J. (M'58), Chief, Science Projects, Natl. Aeronautics & Space Administration, 1512 H St., N.W., Washington 25, D.C.
- STOLOV, STANLEY E. (M'57), Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y. STOLTE, JOHN J. (A'59), Elec. Engr., Standard Coil Prods. Co., Inc., 2100 N. Soto St., Los Angeles 32,
- Call:
 STOLTENBERG, KENNETH D. (A'59), Asst. Control Engr., KROC-TV, Southern Minnesota Broadcasting Co., Rochester, Minn.
 STOLTZ, GEORGE F. (A'50-M'55), V.P., WIKY-WTSK-TV, Chief Engr., WIKY, South Central Broadcasting Corp., Box 148, Evansville, Ind.
- STOLTZ, JOHN R. (S'48-A'51-M'57), Sr. Dev. Engr., Sperry Gyroscope Co., Sunnyvale Dev. Center, 294 Com-mercial St., Sunnyvale, Calif.

- Sperry Lyvoscope Co., Sunnyvale Dev. Center, 294 Commercial St., Sunnyvale, Calif.

 STOLTZ, PAUL G. (S'48-A'51-M'57), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 STOLZE, ROGER M. (M'58), Electronics Engr., 1417 12

 St., Manhattan Beach, Calif.

 STOLZE WILLIAM J. (S'44-A'45-M'48-SM'54), Mgr., Tech. Staff, Stromberg-Carlson Oiv., 1400 N. Goodman St., Rochester 9, N.Y.

 STOLZENBACH, ROBERT W. (A'45-M'45-SM'53), Chief, Frequency Control & Standards Sect., Symbol WCLNE-1, Wright Air Development Center, Wright-Patterson AFB,
- Unio.
 STOLZMAN, BURNEL R. (S'57-M'58), Electronics Engr.,
 Digitronics Coro. Albertson, L.I. N.Y.
 STOMBERG, ARNE V. (M'58), Decembergatan 39, Goteborg N, Sweden.

- STONE, CHARLES S. (M'56), Research Scientist, Mathematics, Defense Research Lab., Box 8029, Univ. Sta., Austin, Tex.

- matics, betwise Research Lab., box 02/9, Only. Sta., Austin, Tex.
 STONE, CLARENCE G. (A'14-M'53XL), Consulting Engr., Good Hill Rd., Weston, Conn.
 STONF, DANIEL J., JR. (S'53-A'54), Electronics Engr., Eastman Kodak Co., Rochester, N.Y.
 STONE, DAVID (S'54-M'56), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif. STONE, DAVID W. (S'56-M'58), Jr. Engr., Bendix Aviation Corp., 95 & Troost, Kansas City. Mo.
 STONE, DENNIS (M'54), Chief Quality Control Engr., Topp Mfg. Co., 5221 W. 102 St., Los Anceles 45. Calif. STONE, EDGAR P. (M'577), Supry. Electronics Engr., U.S. Army Electronic Proving Grounds, Ft. Huachuca. Ariz. STONE, EDWARD W. (A'44), Mgr., Communications Sales, Graybar Electric Co., Inc., 15045 Hamilton Ave., Detroit 3, Mich.
 STONE, EDWARD W. (A'54), Sales Engr., Edward A. Ossmar
- STONE, EDWARD W. (A'54), Sales Engr., Edward A. Ossmann & Associates, Inc., 308 Merritt Ave., Syracuse 7, N.Y.
 STONE, ELLERY W. (A'14-M'16-F'24)(L), Chmn. of Bd., American Cable & Radio Corp., 67 Broad St., New York 4, N.Y.
- STONE, ELMER O. (A'51-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Seneca Falls, N.Y.
 STONE, EVERETT S. (A'51-M'56), Asst. Head, Dev. Engrg., Group, System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.
- STONE, FRANCIS A. (M'59). Designer. IBM. Kingston. N.Y STONE, FREO B. (A'36-VA'39-SM'48), Engr., RCA, Camden, N.J.

- den, N.J.
 STONE, FREDERICK A. (S'54-M'57), Project Engr., Eastern Industries, Inc., 100 Skiff St., Hamden 14, Conn.
 STONE, G., FRANCES (A'58), Industrial Analyst, Arthur Wiesenberger & Co., New York 6, N.Y.
 STONE, HARRIS B. (A'53-M'58), Electronics Warfare Co-ordinator, Code 931, Office of Naval Research, Navy Dept., Washington 25, D.C.

- STONE, HARRIS B. (A'53-M'58), Electronics Warfare Cordinator, Code 931, Office of Naval Research, Navy Dept., Washington 25, D.C.
 STONE, HARRISON A.G. (A'54), Physicist, Evans Signal Labs., Belmar, N.J.
 STONE, HARRIY R. (S'56-A'58), Electronics Engr., Sylvania Electronics Defense Lab., Box 205, Mountain View, Calif.
 STONE, HARRY Y. (S'56-A'58), Electronics Engr., Sylvania Electronics Defense Lab., Box 205, Mountain View, Calif.
 STONE, HARVEY S. (S'55-M'59), Electronics Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.
 STONE, HENRY A., JR. (SM'55), Dir., Component Dev., Bell Tel., Labs., Murray Hill, N.J.
 STONE, IRWIN C. (A'53-M'58), Electronics Engr., Datamic Div., Minneapolis-Honeywell Regulator Co., Inc., 151 Needham St., Newton Highlands 61, Mass.
 STONE, IRWIN M. (A'53), Asst. Sales Mgr., Epsco, Inc., 588 Commonwealth Ave., Boston 15, Mass.
 STONE, JACK E. (S'56-M'58), Jr. Engr., Philco Corp., C. & Tloga Sts., Philadelphia 34, Pa.
 STONE, JACK L. (M'58), Sr. Physicist, Bendix Systems Div., Ann Arbor, Mich.
 STONE, JACK L. (M'58), Sr. Physicist, Bendix Systems Div., Ann Arbor, Mich.
 STONE, JAMES A. (S'49-A'51), Electronics Engr., Interstate Electronics Co., 707 E. Vermont St., Anaheim, Calif.
 STONE, JAMES H. (S'55-M'58), Jr. Engr., DATA-matic Corp., Newton, Mass.
 STONE, JAY E. (A'53-M'58), Sales Mgr., Cascade Research Corp., 53 Victory Lane, Los Gatos, Calif.
 STONE, JOHN B. (A'53), Engr., Wilcox Electric Co., Inc., 1400 Chestrut St., Kansas City 27, Mo.
 STONE, JOHN B. (A'53), Engr., Wilcox Electric Co., Inc., 1400 Chestrut St., Kansas City 27, Mo.
 STONE, JOHN B. (A'53), Engr., Convair-Astronautics, San Diego, Calif.
 STONE, JOHN B. (A'53), Engr., Villox Electric Co., Inc., 1400 Chestrut St., Kansas City 27, Mo.
 STONE, JOHN B. (A'53), Engr., Villox Electric Co., Inc., 1400 Chestrut St., Kansas City 27, Mo.
 STONE, JOHN B. (A'53), Engr., Philox Ceron., Report Corp., Nav. 141, Cash Register Co., 3348 W. El Segundo, Hawthorne, Calif.
 STONE, JARL Cash Register Co., 3348 W. El Segundo, Hawthorne, Calif.
- Hawthorner, Calif.
 STONE, MARGARETTA V.H. (A'54), Electronic Scientist,
 U.S. Army Signal Research & Development Lab., Evans Area,
 Belmar, N.J.
 STONE, MELVIN L. (S'48-A'52-M'57), Staff Mem., MIT,
 Cambridge 39, Mass.

- STONE, MERRILL M. (A'53), Group Leader, Flight Test. Autonetics Div., No. Amer. Aviation, Downey, Calif.
 STONE, NOEL T. (A'46-M'55), Chief Engr., Commercial Engrg., Remington Rand Univac, 2750 W. 7 St., St. Paul, Minn.
- Paul, Minn.
 STONE, ORVILLE L. (A'52-M'56), Sr. Engr., Schlumberger Well Surveying Corp., Box 2175, Houston, Tex.
 STONE, RAY E. (S'57-M'59), Elec. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 STONE, RICHARD C., JR. (S'54-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 STONE, RICHARD H., JR. (S'57-M'58), Engr., GE Co., STONE, RICHARD H

- Syracuse, N.Y.
 STONE, RICHARO S. (A'48), Chief Engr., Anderson Controls, Inc., 2777 Mannheim Rd., Des Plaines, III.
 STONE, RICHARD W. (SM'52), Sr. Engr., Materials & Prod. Sect., TV Picture Tube Div., Sylvania Elec. Prods., Inc., Seneca Falls, N.Y.

- Seneca Falls, N.Y.
 STONE, ROBERT E. (M'58), Flight Test Engr., Aerophysi Development Div., Box 639, Santa Barbara, Calif.
 STONE, ROBERT F. (M'52), Sales Engr., CC-TV Tech. Prods. Dept., GE Co., Syracuse, N.Y.
 STONE, ROBERT J. (5'54-M'56), Tech. Writer, Hughes Aircraft Co., Los Anoeles, Calif.
 STONE, ROBERT M. (S'48-A'51-M'55-SM'55), Tech. Specialist, Temco Aircraft Corp., Box 6191, Dallas 22, Tex.

- Tex.

 STONE, ROBERT O. (M'57), Electronic Scientist, Natl. Bureau of Standards, Washington 25, D. C.

 STONE, ROBERT P. (S'40-A'42-M'46-SM'50), Engro. Leader, RCA Electron Tube Div., Lancaster, Pa.

 STONE, ROBERT S. (A'55), Dev. Engr., Oak Ridge Natl. Lab., Box X., Oak Ridge, Tenn.

 STONE, ROBERT S. (A'58), Sr. Writing Engr., ITT Federal Div., 3101 Wayne Trace, Ft. Wayne, Ind.

 STONE, RODNEY E. (S'46-A'48-M'56), Mem, Tech. Staff, Hughes Aircraft Co., Fullerton, Calif.

 STONE, S. ALEXANDER (A'54), Asst. Research Officer, Natl. Research Council, Radio & Elec. Engr., Div., Ottawa, Ont., Canada.

 STONE, SAMUEL M. (M'56), Sr. Engr., Sylvania Elec.
- Ont., Canada.

 STONE, SAMUEL M. (M'56), Sr. Engr., Sylvania Elec.
 Prods., Inc., Bayside, L.I., N.Y.

 STONE, SOLON A. (S'51-A'52-M'57), Asst. Prof., Oregon
 State College, Corvailis. Ore.

 STONE, STEPHEN H., JR. (A'52), Field Engr., Raytheon
 Mfg. Co., Waltham 54, Mass.
 STONE, THOMAS E. (S'52-A'54), 4943 Palo Alto Ave.,
 S.E., Albuquerque, N.M.
 STONE, WALKER G. (A'53), Fidlor, Fnorm Sciences, John
 STONE, WALKER G. (A'53), Fidlor, Fnorm Sciences, John

- STONE, THOMAS E. (S¹52-A¹54), 4943 Palo Alto Ave., S.E., Albuquerque, N.M.
 STONE, WALKER G. (A¹53), Editor, Engrg. Sciences, John Wiley & Sons, Inc., 440 4 Ave., New York 16. N.Y.
 STONE, WILLIAM R. (S¹33-A¹36-M¹55), Applied Mingt. Scientist, Defense Systems Dept., GE Co., Syracuse, N.Y.
 STONEHAM, CHARLES E. (A¹53-M¹58), Jr. Engr., Sprague Electric Co., North Adams, Mass.
 STONELAKE, DENNIS A. (M¹57), Engr., Canadian West-Inghouse, Longwood Rd., Hamilton, Ont., Canada.
 STONER, CHARLES R. (M¹44), Reader, Queen Mary College, Univ. of London, Eil. London, E. I., England.
 STONER, FRANK E. (SM¹45), Asst. to Pres., Varian Associates. 611 Hansen Way, Palo Alto, Calif.
 STONER, MARION J. (A¹49), Asst. Chief Engr., WJBK-TV, Storer Broadcasting Co., 7441 2nd, Detroit 2, Mich.
 STONEROOK, THOMAS D. (M¹58), Electronics Systems Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- Akron 15, Ohio.
 STONES, ALVIN E. (M'54), Consulting Engr., Stones Associates, 10658 Canterbury St., Westchester, III.
 STONESIFER, RICHARD A. (S'48-A'49-M'58), Special Rep., Sylvania Elec. Prods., Inc., 734 15 St., N.W., Washington 5, D.C.
 STONEVIC, VICTOR R. (S'42-A'44-M'55), Elec. Design Engr., Pioneer Service & Engrg. Co., 231 LaSalle St., Chicago 4, III.

- Chicago 4, III.

 STONEY, WILLIAM E. (S'46-A'51-M'56), Project Engr., Armament Controls, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 STONIG, JOHN W. (A'58), Sales Engr., Tech. Prod. Dept., GE Co., Syracuse, N.Y.

 STOOPS, CHESTER W. (A'41-M'47), Electronic Scientist, Naval Research Lab., Washinston 20, D.C.

 STOOPS, EDWARD H. (S'57-M'58), Assoc. Engr., IBM, Owego, N.Y.

 STOPEK, SIMON (M'59), Mem. Tech. Staff, Hughes Prods., Internati. Airport Sta., Los Angeles 45, Calif.

 STORCH, HAROLD (SM'56), Assoc. Prof. of Engrg., Los Angeles State College Dr., Los Angeles 32, Calif.

 STORCH, HOWARD C. (A'44-M'444). Staff Scientist. Elec-
- STORCK, HOWARD C. (A'44-M'44), Staff Scientist, Electronic Warfare Dept., U. S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.
- rt. nuacnuca, Ariz.
 STORER, JAMES E. (A'54-SM'58), Sr. Engrg. Specialist, Applied Research Lab., Sylvania Elec. Prods., Inc., Waltham, Mass.
 STORER, TRACY S. (S'54-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Recomaissance Systems Lab., Box 188, Mountain View, Calif.
- STORER, WALTER F. (S'53-M'58), Design Engr., Convair, San Diego, Calif.
- San Dlego, Calif.
 STOREY, BOB (MIS3), Lead Engr., Temco Aircraft Corp.,
 Box 6191, Dallas, Tex.
 STOREY, MOORFIELD, JR. (MIS8), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 STORIE, DOILE. (SIS5-MIS7), Assoc. Engr., Hughes
 Aircraft Co., Tucson, Ariz.

- Aircraft Co., Tucson, Ariz.
 STORK, JOHN E. (M'53), Mem. Tech. Staff, Ramo-Wooldridge Corp., Los Angeles 45, Calif.
 STORKE, FREDERIC P., JR. (S'52-A'54-M'59), Box 1982, Stanford, Calif.
 STORLEY, CLAYTON L. (S'57-M'59), Inspector, U.S. Army Corps of Engrs., 1709 Jackson St., Omaha 2, Neb.
- Neb.
 STORM, ANTHONY C. (A'59), Radar TechnicaIn, Féderai
 Electric Corp., Paramus, N.J.
 STORM, JOHN F. (A'53-M'59), Principal Dev. Engr.,
 Aero Div., Minneapolis-Honeywell Regulator Co., 2600
 Ridgway Rd., Minneapolis 13, Minn.
- Klogway Ro., Minneapolis 13, Minn.
 STORM, MICHAEL L. (A'55), Tech. Asst., MIT, Lincoln Lab., Lexington 73, Mass.
 STORMS, HENRY H. (A'29-VA'39), Technician, Plant & Engrs, Dept., Western Union Telegraph Co., W. 808
 Strague Ave., Spokane, Wash.

- STORMS, WILLIAM L. (A'58), 11903 125 St., Edmonton, Alta., Canada. STORR, JOHN W. (S'56-M'57), Airborne Telecommunica-tions, RCAF, Air Force Hors., Ottawa, Ont., Canada. STORRS, ERNEST N. (M'52-SM'57), Chief Engr., Control Labs., Rome Air Development Center, Griffiss AFB, N.Y.
- Labs., Rome Air Development Center, Griffiss AFB, N.Y.
 STORRUSTE, CHESTER G. (S'57-M'59), Electronics Engr.,
 U.S. Govt., Washington, D.C.
 STORTZ, ROBERT A. (S'52-A'53), Div. Engr., Private
 Wire Services, Western Union Telegraph Co., 742 Market
 St., San Francisco 8, Calif.
 STORY, HAROLD D. (S'42-A'47-M'52), Sr. Engr., Cook
 Electric Co., 8100 Monticello, Skokie, III.
 STORY, ROBERT (A'50-M'55), Mgr., Tube Sect.,
 Canadian GE Co., Ltd., 189 Differin St., Toronto 3,
 Ont., Canada.

- Ont., Canada.
 STORY, ROBERT T. (SM'57), Supvy. Electronics Engr.,
 Hgrs. Ground Electronics Engrg. Installation Agency,
 Griffiss AFB, N.Y.

- Griffiss AFB, N.Y.

 STORY, ROCER W. (M'57), Dev. Engr., GE Co., Schenectady, N.Y.

 STORY, THEODORE H. (A'44-SM'50), Project Engr., RCA, Camden 2, N.J.

 STORY, VERNON V. (SM'59), Sr. Engr., RCA Internatl. Service Co., Govt. Service Dept., Camden, N.J.

 STOSS, ERVIN G., JR. (S'58-A'58), Medical Research & Nut. Lab., Fitzsimons Hospital, Denver, Colo. STOTLER, DONALD E. (A'48), Pres., Gulf Radio-Telephone, Inc., 2524 Sutherland, Houston 17, Tex.

 STOTLER, HERBERT J. (S'51-A'53-M'56), Consultant to Chief, EMCD, Corps of Engrs., 1st & Douglas Sts., N.W., Washington 25, D.C.

 STOTTL CHARLES B. (A'54), Advisory Engr., 1BM, End-
- STOTT, CHARLES B. (A'54), Advisory Engr., IBM, Endicott, N.Y.
- icott, N.Y.
 STOTT, HAROLD B. (A'42-M'49-SM'57), Radio Engr.,
 RCA, Camden 8, N.J.
 STOTT, HENRY G. (A'56), Field Service Engr., Dumont
 Television & Radio Corp., 524 W. 23 St., New York,
 N.Y.
- N.Y.
 STOTT, HILLYARD T. (A'33-SM'46), Tech. Dir., A.F.
 Bulgin & Co., Ltd., Bunking, Easter, England.
 STOTT, RUSSELL F. (5'42-A'46-M'55), Engrg. Group
 Supwr., Jet Propulsion Lab., California Institute of
 Technology, 4800 Oak Grove Dr., Pasadena, Calif.
- Technology, 4800 Oak Grove Dr., Pasadena, Calif.
 STOTT, WILLIAM R. (A'55), Sr. Engr., Bell Tel. Co. of Pennsylvania, 201 Stanwik St., Pittsburgh 22, Pa.
 STOTT, WILLIAM T. (M'57), Electronics Engr., FAA, Washinston 26, D.C.
 STOTTS, WILLIAM S. (S'50-A'51), Head, Targets Group, Hughes Aircraft Co., Box 390, Holloman AFB, N.M.
 STOTZ, CARL C. (A'42-M'55), Head, Radar Sect., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.
- STOUCH, DONALD H. (A'48-M'53), Asst. Branch Chief, Communication & Navigation Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Center, Wright-Patterson AFB, Unio.
 STOUDENHEIMER, RICHARD G. (SM'54), Group Leader,
 Photo & Image Tube Design, RCA, New Holland Pike,
 Lancaster, Pa.
 STOUGHTON, MARION D. (M'59), Mem. Tech. Staff, Bell
 Tel. Labs.. Murray Hill, N.J.
 STOUGHTON, PHILLP N. (A'55), Dev. Engr., IBM,
 Poughkeepsle, N.Y.
 STOUPIS, THOMAS (M'47) Sr. Engr., Paythagn Mfo. Co.

- Tel. Labs., Murray HIII, N. J.
 STOUCHTON, PHILIP N. (A155), Dev. Engr., IBM,
 Poughkeepsle, N. Y.
 STOUPIS, THOMAS (M'47), Sr. Engr., Raytheon Mfg. Co.,
 Wayland, Mass.
 STOUSE, LOUIS E., JR. (A'46-M'55), Field Engrg. Supvr.,
 Western Electric Co., Chatham Rd., Winston-Salem, N. C.
 STOUT, CHARLES D. (A'54), Elec. Engr., Bendix Aviation
 Corp., Research Div., Detroit, Mich.
 STOUT, CURTIS M. (S'52-M'57), Electronic Scientist,
 Naval Research Lab., Washington 25, D. C.
 STOUT, DAVID R. (A'58), Project Engr., Bendix-Friez,
 1400 Taylor Ave., Towson 4, Md.
 STOUT, DEWEY J. (M'54), Electronics Technician, Sandia
 Corp., Salton Sea Base, Westmoreland, Calif.
 STOUT, EARL R. (S'43-A'46-M'55), Chief Elec. Engr.,
 Radio Materials Corp., 3325 N. California Ave., Chicago
 18, III.
 STOUT, G. PHILIP (A'33-SM'46), V.P. & Dir., Research
 Industrial Research Labs. Div., Aeronca Mfg. Corp., Hilltop & Frederick Rds., Baltimore 28, Md.
 STOUT, GEORGE H. (A'59), Electronics Technician, Shand
 & Jurs Co., 2600 8 St., Berkeley 7, Calif.
 STOUT, HAROLD L. (SM'52), Asst. Mgr., Engrg., Div.,
 Midwest Research Institute, 425 Volker Blvd., Kansas
 City 10, Mo.
 STOUT, JACK E. (A'57), Technician-Owner, Stout's TV
 Service, 107 F St., Salida, Colo.
 STOUT, JACK E. (S'58-M'59), Electronics Engr., U.S. Army
 Signal Research & Development Lab., Ft. Monmouth, N.J.
 STOUT, KENNETH D. (M'54), Staff Asst., Sandia Corp.,
 Sandia Base. Albuquerque, N. M.
 STOUT, MELVILLE B. (SM'50), Prof., Elec. Engrg., Univ.
 of Michigan, Ann Arbor, Mich.
 STOUT, HOMAS M. (A'49-SM'54), Mem. Tech. Staff,
 Thompson-Ramo-Wooldridge Prods. Co., Box 45067,
 Airport Sta., Los Angeles 45, Calif.
 STOUTENBURG, ARTHUR H. (A'56), Microwawe & Carrier
 Maint. Suprr., Genl. Telephone Co. of Florida, 610 Morgan,
 Tampa, Fla.

- STOUTENBURG, DONN V. (A'53-M'59), Sr. Research Engr., Systems Sect., No. Amer. Aviation, E. 5 Ave., Columbus 15, Ohio.
- Unio.
 STOUTZ, CALVIN O., JR. (S¹52-A¹54-M¹59), Dev. Engr., Eastman Kodak Co., Rochester 11, N.Y.
 STOVALL, DAVID J. (S¹57-M³59), Assoc Engr., Convair-Astronautics, San Dieon, Calif.
 STOVALL, HARRY E. (S¹50-A¹51-M¹55), Project Engr., Berkcley Div., Beckman Instruments, 2200 Wright Ave., Richmond, Calif.

- Richmond, Calif.

 STOVALL, JOHN R., JR. (M'48), Asst. Chief Engr., Prod. Flamining, Remington Rand Univao, Sporry Rand Coro., 19 St. & Allegheny Ave., Philadelphia, Pa. STOVER, DONALD R. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Los Angeles, Calif.

 STOVER, EDWARD B., JR. (S'41-A'42-M'55), Research Assoc., Pan American Petroleum Corp., Research Center, Box 591, Tulsa, Okla.
- STOVER, EVAN R. (A'56), Lab. Electronics Technician, Convair, San Diego, Calif.

- STOVER, FRED J., JR. (S'49-A'51-M'58), Sr. Elec. Engr., American Steel & Wire Div., U.S. Steel Corp., 4300 E. 49 St., Cleveland 5, Ohio.
 STOVER, HARRIS A. (S'49-A'51-M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 STOVER, JERRY S. (S'47-M'49), Co-owner, Communications Engre, Co., 900 Dragon St., Dallas, Tex.
 STOVER, NELSON K. (A'58), Radio Engr., Chief of Communications, Pennsylvania Game Commission, State Capitol Bidg., Harrisburg, Pa.
 STOVER, ROBERT F. (S'55-M'58), Tech. Writer, RCA Service Co., 217 Highland Ave., Westmont, N.J.
 STOVER, ROBERT F. (S'55-M'58), Ensign, USN, USS Pickaway (APA 222), FPO, San Francisco, Calif.
 STOWAN, JOHN A. (M'57), Plant Deat, Engr., Television Studios, Canadian Broadcasting Corp., 5253 Decarie Blvd., Montreal, P. Q., Canada.

- STOW, RUPERT L. (M'59), Sect. Mgr., Westinghouse Elec. Corp., Elmira, N.Y.

- STOW, RUPERT L. (M'59), Sect. Mgr., Westinghouse Elec. Corp., Elmira, N.Y.
 STOWELL, NATHAN J. (M'46), Consulting Engr., Christian Audio Development Co., Rte. 1, Box 117, Kinta, Okla.
 STOWELS, JAMES S. (A'56-M'57), Engr. & Owner, Radio Engra. Service. Box 399, Summerville. Ga
 STOY, KARL E., JR. (A'57), Research Asst., Radioplane Co., B000 Woodley Ave., Van Nuys, Callf.
 STRACCA, GlOVANNI B. (A'56), Chief, Microwave Sect., Central Radio Lab., Fabbrica Itailana Magneti Marelli, C.P. 45, Sesto S. Giovanni, Milan, Italy.
 STRACENER, ROBERT M. (S'54-A'57), Owner, Electronics-Communications Co., 3153 Choctau Dr., Baton Rouge, La.
 STRACHAN, ALBERT G. (M'58), Rolfsman Instrument Corp., B0-08 45 Ave., Elmhurst, L.I., N.Y.
 STRACK, HENRY O. (M'57), Research Engr., Brooks Research, Inc., 767 Linden Ave., Rochester 10, N.Y.
 STRACK, ROBERT R. (S'52-A'54), Mem. Patent Staff, Bell Tel, Labs., 463 West St., New York 14, N.Y.
 STRACK, ROBERT N. (K'55-A'57), Mem. Tech. Staff, Bell Tel, Labs., 463 West St., New York 14, N.Y.
 STRACK, WALTER JR. (A'52-M'57), Mem. Tech. Staff, Bell Tel, Labs., 463 West St., New York 14, N.Y.
 STRACHLEY, ERWIN H. (S'54-M'56), Project Engr., Systems Div., EPSCO, Inc., 275 Massachusetts Ave., Cambridge 38, Mass.
 STRAHL, GLENN E. (M'55), Electronics Engr., Univ. of
- Mass.
 STRAHL, GLENN E. (M'55), Electronics Engr., Univ. of California Radiation Lab., Box 80B, Livermore, Calif.
 STRAHLBERG, KURT (S'53-A'54), Engrg. Mgr., Kybernetes Corp., 263 Classon Ave., Brooklyn, N.Y.
 STRAIN, CHARLES E. (A'44-M'55), Consulting Engr., Strain Engrg. Service, 4556 Northside Dr., N.W., Atlanta, 5, Ga.
- Strain Engrg. Service, 4556 Northside Dr., N.W., Atlanta, 5, Ga.

 STRAIN, DOUGLAS C. (S'47-A'49-M'54), Pres., Electro-Measurements, Inc., 7524 S.W., Macadam, Portland 1, Ore.

 STRAIN, EDWARD M. (S'56-M'57), Lt., Canadian Ammy, Canadian Joint Air Training Center, Rivers, Man., Canada.

 STRAIN, MARRETTE (S'40-A'43-M'55), Pres., Distra Instrument Labs., Inc., Englewood, N.J.

 STRAIN, RICHARD A. (S'55-A'57), Engrg. Lab. Technician, Boeing Airolane Co., Wichita 1, Kan.

 STRAIN, ROBERT J. (A'55-M'59), Research Asst., Elec. Engrg. Research Lab., Univ. of Illinois, Urbana, III.

 STRAITON, ARCHLE W. (M'47-SM'49-F'53), Prof. & Dir., Elec. Engrg., Research Labs., Univ. of Texas, Austin, Tex.

 STRAITON, JAMES W. (SM'53), District Plant Supt., Southwestern Bell Tel. Co., 322B Ave. G, Ft. Worth 5, Tex.

 STRAITON, JDHN C. (M'52), Chief, Radar Approach Control Group, FAA, Washington 25, D. C.

 STRAKA, MANFRED K. H. (M'958), Master I, Ontario Dept. of Education, Ryerson Institute, 50 Gould St., Toronto, Ont., Canada.

- Education, Ryerson Institute, 50 Gould St., Toronto, Ont., Canada.

 STRAND, H. DALE (5'53-M'56), Project Engr., Remington Rand Univac. St. Paul 16, Minn.

 STRAND, JOHN (A'51-M'55), Owner, Strand Engrg. Co., 1354 N. Main, Ann Arbor, Mich.

 STRANDBERG, CHARLES F. (S'50-A'51-M'56), Pres., Strandberg Engrg. Labs., Inc., 416 W. Market St., Greensboro, N.C.

 STRANDBERG, JOEL E. (SM'57), Hughes Prods., 5261 W. Imperial Hwy., Los Angeles 45, Calif.

 STRANDBERG, JOEL E. (SM'57), Hughes Prods., 5261 W. Imperial Hwy., Los Angeles 45, Calif.

 STRANDBERG, MALCOM W. P. (A'42-SM'51), Assoc. Prof., Physics, MIT, Cambridge 39, Mass.

 STRANDBERG, PAUL R. (S'50-A'51-M'56), Project Engr., Bendix Radio, Towson 4, Md.

 STRANDH, E. SIGVARD (A'5B), Scientific Attache to Swedish Embassy, Royal Swedish Academy of Engrg. Sciences, 8 E. 69 St., New York 21, N. Y.

 STRANDT, EARL R. (S'55-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 STRANDT, KENNETH O. (S'44-A'45-M'55), Electro Mech. Dev. Engr., GE Co., 1100 Western Ave., West Lynn, Mass.

 STRANG, DONALD B. (M'53-SM'57), Project Engr., Control of the property of the

- Mass.

 STRANG, DONALD B. (M'53-SM'57), Project Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

 STRANG, JOHN R. (A'51-M'56-SM'56), Sr. Electronic Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio
- STRANGE, MAXWELL G. (M¹57), Electronics Engr., U.S. Army Signal Research & Development Labs., Ft. Monmouth, N.J.
- monmouth, N.J.

 STRANIX, RICHARD G. (M'57), Assoc. Editor, Electronics Industries (A Chilton Co. Publication), Chestnut & 56 Sts., Philadelphia 39, Pa.

 STRASBURGER, THEODORE J. (S'50-A'51-M'5B), Electronics Egr., FAA, 5651 W. Manchester Ave., Los Angeles 45, Calif.

- geles 45, Calif.

 STRASSERG, DANIEL D. (S'57-M'59), Staff Mem., MIT
 Lincoln Lab., Lexington 73, Mass.

 STRASSERG, IRWIN D. (A'57), Parts Analyst, Paramount
 Designs, Inc., 40B Jay St., Brooklyn 1, N. Y.

 STRASSER, ALEXANDER (A'51-M'56), Physicist, U.S.
 Bureau of Mines, 4800 Forbes St., Pittsburn 13, Pa.

 STRASSER, ROBERT A. (M'57), Tech. Consultant,
 Reconnalssance Sub-Systems Branch, Wright-Patterson
 AFB, Ohio.
- STRASSER, STELLA (A'4B-M'55), Electronics Engr., U.S. Army Signal Research & Development Lab., Evans Signal Lab., Belmar, N. J. STRASSER, THOMAS J. (A'55), Field Engr., Horman Associates, Inc., 941 Rollins Ave., Rockville, Md.

- STRASSMAN, ALVIN J. (SM'57), Research Engr., Hughes Aircraft Co., 5435 W. 102 St., Los Angeles 45, Calif. STRASSNER, ROBERT M. (S'4B-A'52-M'52), Sales Mgr., Precision Instrument Co., 1011 Commercial St., San Carlos, Calif.
- STRATBUCKER, ROBERT A. (A'54-M'57), Electronics Engr., Univ. of Nebraska, College of Medicine, 42 & Dewey Ave., Omaha, Ncb.
- Engr., Univ. of Nebraska, College of Medicine, 42 & Dewey Ave., Omaha, Ncb.

 STRATE, KENNETH E. (M'56), Mai., Material Officer, Detachment 10, TUSLOG, APO 2B9, New York, N.Y.

 STRATMAN, HARD'N G. (A'50-M'55), Sr. Engr., Gates Radio Co., 123 Hampshire St., Quincy, Ili.

 STRATMAN, JACK W. (M'57), Electronics Dev. Engr., Avco Mfg. Corp., 1329 Arlington, Cincinnati 25, Ohio.

 STRATOTI, AUGOSTINO R. (S'54-M'59), Elec. Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 STRATTON, BOYD L. (A'53), Design Engr., Canadian GE Co., 830 Landsdowne Ave., Toronto, Ont., Canada.

 STRATTON, C. H. (A'51), Owner, C. H. Stratton Co., 514 E. Wadsworth Ave., Philadelphia 19, Pas., MIT, Cambridge 39, Mass.

 STRATTON, LEE N., 111 (M'57), Field Service Rep., HMED, GE Co., Syracuse, N.Y.

 STRAUB, LEON J. (S'58-A'59), Radio & TV Repairman, Gustafson Electronic & Appliance, Wausau, Wis.

 STRAUB, NEVIN L. (A'51), V. P. & Tech. Dir., WJAC, Inc., 229 Main St., Johnstown, Pa.

 STRAUB, WELLS W. (M'56), Engr., GE Co., Syracuse, N.Y.

 STRAUBE, GENE F. (S'49-A'51-M'56), Supvr., Prod.

- N.Y.

 STRAUBE, GENE F. (S'49-A'51-M'56), Supvr., Prod. Services, Pacific Semiconductors, Inc., 10451 W. Jefferson Blvd., Culver City, Calif.

 STRAUBE, HAROLD M. (A'42-SM'4B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 STRAUBEL, ERNEST P. (S'49-A'51-M'57), Field Engr., Philod Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 STRAUCH, GEORGE R. (S'57-M'5B), Test Set Design Engr., Western Electric Co., 100 Central Ave., Kearny, N.J.
- N.J.
 STRAUGHAN, THOMAS A. (M'46), Electronics Engr., EMI
 Engrg. Development, Ltd., Hayes, Middx., England.
 STRAUGHN, JAMES B. (M'52), Asst. Dir., Education,
 Natl. Radio Institute, 3939 Wisconsin Ave., Washington
 16, D.C.
- STRAUGHN, WALTER L., SR. (A'47-M'50), Owner, Straughn Radio & Electronic Service, 3235 Highland Ave., Beaumont, Tex.
- Ave., Beaumont, Tex.
 STRAUSS, ALVIN (M'55), Project Engr., Bulova Watch Co.,
 40-06 62 St., Woodside 77, L. I., N. Y.
 STRAUSS, BRUNO (S'50-A'52-M'57), V.P., Engrg.,
 Electro Development Corp., 3939 University Way, Seattle
 5, Wash.
- STRAUSS, DANIEL J. (A'54-M'56), Electronics Engr., Radioplane Co., BOOD Woodley, Van Nuys, Calif. STRAUSS, GEORGE M. (A'55-M'56), Research Engr., W. L. Maxson Corp., 460 W. 34 St., New York, N.Y.
- N.Y.

 STRAUSS, HERBERT E. (S'50-M'56), Elec. Engr. (Group Leader), Missile & Surface Radar Dept., RCA, Moorestown, N.J.

 STRAUSS, HOWARD J. (S'51-A'54-M'5B), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.J., N.Y.

 STRAUSS, KARL J. (A'51), Technician, Hazeltine Electronics Corp., 10 Ave., Whitestone, L.I., N.Y.

 STRAUSS, LEONARD (S'49-A'53-SM'57), Asst. Prof., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 2, N.Y.

- Brooklyn 2, N.Y.

 STRAUSS, LOUIS (S'49-A'51-M'56), Elec. Engr.,
 GE Co., Utica, N.Y.

 STRAUSS, ROBERT (M'52-SM'5B), Engrg. Sect. Head,
 Sperry Electron Tube Div., Gainesville, Fla.

 STRAW, LAWRENCE J. (M'55), Dir., Sales & Contracts,
 Ground Systems Div., Hughes Aircraft Co., Fullerton, Calif.

 STRAWBRIDGE, RALPH B. (M'46), Project Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 STRAWN, GEORGE A. (A'59), Owner, Consulting Engr.,
 George A. Strawn Co., Engineers, 3312 W. Vernon, Los
 Angeles, Calif.

 STRAWN, GEORGE M. (M'56), Contract Specialist, Elec-
- STRAWN, GEORGE M. (M'56), Contract Specialist, Electronic Proving Grounds, Procurement Office, Ft. Huachuca,
- STRAWN, RALPH K, (A'54), Design & Dev. Engr., GE Co.,
- STRAWN, RALPH K. (A'54), Design & Dev. Engr., GE Co. Syracuse, N. Y.

 STRAYER, RICHARD W. (M'55), Physicist, Linfield Research Institute, Linfield College, McMinnville, Ore, STRAZZULIA, RAYMOND L. (S'48-A'51-M'56), Sr. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 STREATER, AUGUST L. (A'49-M'55), Mgr., Outdoor Circuit Breaker Engrg., GE Co., 6901 Elmwood Ave., Philadelphia 42, Pa.
- STREATER, JACK W. (M'5B), Sr. Engr., Brush Instruments Div., Clevite Corp., 3405 Perkins Ave., Cleveland 14, Ohio.
- Ohio.

 STREBE, ARTHUR C., JR. (S'4B-A'51), Test Foreman, Collins Radio Co., Cedar Rapids, lowa.

 STREBLE, JOSEPH G. (M'59), Engr., Western Electric Co., 220 Church St., New York, N. Y.

 STREET, EUGENE L. (S'53-A'55), Prod. Engr., Bomac Labs., Inc., Salem Rd., Beverly, Mass.

 STREET, HARRY W. L. (A'57), Supvy, Electronics Engr., Naval Ordnance Lab., White Oak, Md.

- Naval Ordnance Lab., White Oak, Md
 STREET, NATHANIEL C (M'55), Sr. Engr., Microwave & Antenna, Convair, Box 1011, Pomona, Calif.
 STREET, NORMAN H. (S'57-M'5B), Engr., Jansky & Bailey, Inc., 1735 DeSales St., N. W., Washington, D. C.
 STREET, WILLIAM D. (M'57), Chief Engr., Fugle-Miller Labs., 301 Central Ave., Clark, N. J.
 STREGE, ROBERT J. (S'57-A'59), 1333 E. Flower St., Phoenix, Ariz.

- STREHLOW, ROBERT J. (S'56-M'5B), Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif, STREIB, WILLIAM J. (M'57), Asst. Prof., Elec. Engrg., State Univ. of Iowa, Iowa City, Iowa.
- State Univ. or lowa, lowa City, (lowa STREICH, ROBERT J. (A'30-VA'59-M'55), Operations Engr., RCA Communications, Inc., 66 Broad St., New York 4, N. Y. STREIFER, WILLIAM (S'56-M'5B), Lecturer, Elec. Engrg. Dept., The College of the City of New York, 139 St. & Convert Ave., New York, N. Y.

- STREIFUS, CLEMENT A. (S'3B-A'40-M'55), Nuclear Project Engr., Ebasco Services, Inc., 2 Rector St., New York 6, N. Y.

- STREMPER, DUASCO Services, Inc., 2 Rector St., New York 6, N. Y.

 STREISAND, JULES L. (S'51-A'53-M'57), Dev. Engr., ITT Labs., Nuxley 10, N. J.

 STRELESKI, THEODORE L. (M'59), Research Engr., Lockheed Missile & Space Div., Sunnyvale, Calif.

 STRELZOFF, JOSEPH A. (M'55-SM'58), Prof., Elec. Engrg., Michigan State College, East Lansing, Mich.

 STREM, STEVE E. (M'57), Mgr., Tech. Staff, Guided Missile Labs., Hughes Aircraft Co., Culver City, Calif.

 STREMPEL, EDWARD L. (A'52-M'57), Pres., Strempel Instrument Corp., R. D. 1, Lake George, N. Y.

 STREMPFER, WILLIAM L. (A'5B), Instrumentation Test Engr., Pratt & Whitney Aircraft, Main St., East Hartford, Conn.

 STRETANSKI, PALIL A. (A'51). Test From., Bendiy Aviation

- STREMPFER, WILLIAM L. (A'5B), Instrumentation Test Engr., Pratt & Whitney Aircraft, Main St., East Hartford, Conn.

 STRETANSKI, PAUL A. (A'51), Test Engr., Bendix Aviation Corp., Research Labs., Box 5115, Detroit 35, Mich.

 STRIBLING, JOHN L., JR. (S'45-A'49-M'55), Project Test Engr., Convair, Grant's Lane, Ft. Worth, Tex.

 STRICKER, IRAJ. (S'52-A'55), Jr., Engr., GMC, Tech. Center, Box 12B, Detroit 2, Mich.

 STRICKER, IRAJ. (S'52-A'55), Jr., Engr., National Co., Inc., 61 Sherman St., Malden, Mass.

 STRICKLAND, EUGENE C. (M'5B), Sr. Engr., National Co., Inc., 61 Sherman St., Malden, Mass.

 STRICKLAND, HAROLD A., JR. (SM'56), V. P. & Genl. Mgr., Industrial Electronics Div., GE Co., 161 E., 42 St., New York 17, N. Y.

 STRICKLAND, JEAN L. (S'47-A'52-M'56), Tech., Asst. to V. P., for Engra., C. H., Masland & Sons, Carlisle, Pa.

 STRICKLAND, KENNETH T. (S'51-A'51-M'58), Electronics Dev., Engr., RCA, Camden, N. J.

 STRICKLAND, RALEIGH D. (M'57), System Engr., Sperry Gyroscope Co., Great Neck. L. 1., N. Y.

 STRICKOTH, GILES J. (SM'52), Asst. Dir., Missiles & Electronics, Martin Co., Baltimore 3, Md.

 STRIEBY, MUCHAEL (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 STRIEDN, MICHAEL (M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 STRIEDN, MICHAEL (M'56), Mem., Tech. Staff, Hughes Aircraft Co., Calver City, Calif.

 STRIEDN, MICHAEL (M'56), Mem., Sperry Gyroscope Co., Great Neck. L. 1., N. Y.

 STRIEGEL, MELYON (M'58), Research & Dev. Engr., Bourns Labs., 127 Hayward, Ames, lowa.

 STRIEGE, HENRY F. (M'57), Engr., Sperry Gyroscope Co., Great Neck. L. 1., N. Y.

 STRIEGEL, HENRY F. (M'57), Engr., Sperry Gyroscope Co., Great Neck., L. 1., N. Y.

 STRIEK, REGEOR W. (S'58-M'58), Assoc. Engr., McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

 STRIEGEL, HENRY F. (M'57), Engr., Sperry Gyroscope Co., Great Neck., L. 1., N. Y.

 STRIKER, ROBERT G. (S'52-M'56), Design Engr., Hazeltine Electronics Corp., Little Neck 62, L. 1., N. Y.

 STRIKER, ROBERT G. (S'46-A'48-M'55), Facilities Engr., Video,
- and.
 STRIKER, ROBERT G. (S'46-A'48-M'55), Facilities Engr.,
 Video, American Broadcasting Co., 7 W. 66 St., New
 York 23, N. Y.
- STRIMLING, WALTER E. (M'55), Pres., United States Dynamics Corp., 1 250 Columbus Ave., Boston 20, Mass.
- STRINGALL, WILLIAM S. (A'56), Microwave Engr., Hugg-ins Lab., 999 E. Arques, Sunnyvale, Calif. STRINGER, LORAN W. (S'54-M'58), Systems Engr., Syl-vania Electronic Defense Lab., Box 205, Mountain View, Calif.
- Calif.

 STRINGER, ROBERT B. (M'56), Systems Engr., Hughes Aircraft Co., Culver City, Calif.

 STRINGFELLOW, WILLIAM M. (A'30-VA'39-SM'52), Chief Engr., WSPD-AM, FM, TV, Storer Broadcasting Co., 136 Huron St., Toledo 4, Ohio.

 STRINKOWSKI, NICHOLAS W. (S'52-A'53), Mgr., Installation Engrg., BMEWS Project, RCA Service Co., Riverton, N. J.

- N. J.
 STRIP, JOSEPH (SM'58), Systems Project Engr., RCA, Moorestown, N. J.
 STRIPEIKA, ALEXANDER J. (A'55-SM'59), Head, Electronic Design & Dev., Univ. of California Lawrence Radiation Lab., Box BOB, Livermore, Calif.
 STROBACH, FRED (A'84-M'55). Electronic Scientist, USN Electronics Lab., San Diego 52, Calif.
 STROBEL, HOWARD M. (M'58), Sect. Head, Electronics Scientist, Material Lab., New York Naval Shipyard, Brooklyn I., N. Y.
 STROBLE, RALPH R. (S'47-A'49-M'55), Supvy. Program
- STROBLE, RALPH R. (S'47-A'49-M'55), Supvy. Program Officer, U.S. Govt., 3801 Nebraska Ave., N.W., Wash-ington 25, D. C.

- Officer, U. S. Govt., 3801 Nebraska Ave., N. W., Washington 25, D. C.
 STROCK, ROBERT E. (S'54-A'56), Electronics Technician, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
 STROGANOFF, ROMAN P. (M'57), Ordnance & Missile Branch, Mare Island Naval Shipyard, Code 265, Bldg. 521, Vallejo, Calif.
 STROH, WALTER J. (S'43-A'44-SM'55), TV Enor., Zenith Radio Corp., 6001 Dickens Ave., Chicago, Ill.
 STROHECKER, JAMES P. (S'48-A'51-M'56), Professional Engr. & Supvy. Elec. Engr., Missile Base Facilities, Boeling Airplane Co., Box 3707, Seattle 24, Wash.
 STROHM, ROBERT B. (M'46), Electronics Engr., USMA, Dept. of Elec. Engray. West Point, N.Y.
 STROHM, WILLIAM G. (S'55-M'57), Assoc. Engr., IBM, Poughkeepsie, N.Y.
 STROHMEIER, WALTER (M'57), 41-B Beaconwood Rd., Newton Highlands, Mass.
 STROHMEYER, GEORGE R. (S'54-M'57), Electronics Material Officer, USS Taconic (AGC-17), USN, FPO New York, N.Y.

- N.T.
 STROHSCHNEIDER, WALTER (A'36-SM'46), DIr., Sondyna, Ltd., Hedwigstr. 25, Zurich, Switzerland.
 STROIK, RAYMOND G. (A'59), Administrative Asst. Engr., Andrew Corp., Orland Park, III.
 STROILE, JOHN C. (S'52-M'55), Elec. Engr., ITT Labs., Nutley 10, N.J.

- 397 -STR-SUC

- STROM, CHARLES A., JR. (A'47-M'47-SM'49), Chief, Communications Planning Office, Directorate of Communications, Rome Air Development Center, Griffiss AFB, N.Y.

 STROM, LELAND D. (A'49-M'55-S'56-M'58), Chief Engr., Apparatus Div., Texas Instruments, Inc., 6000 Lemmon Ave., Dalias 9, Tex.
- STROM, RUSSELL L. (A'54-SM'59), Supvr., Elec. Lab., No. Amer. Aviation, Internati. Airport Sta., Los Angeles 45, Calif.
- STROMAN, CHRISTOPHER F. (A'45-M'55), Major, USAF, Detachment Cmdr., Detachment 1, 585th Communications & Guidance Sqdn. (Tactical Missile), APO 69, New York,
- N.Y.
 STROMAN, LARRY J. (S'56-M'5B), Project Engr.,
 Southwestern Industrial Electronics Co., 10201 Westheimer, Houston 19, Tex.

- Southwestern Industrial Electronics Co., 10201 Westhelimer, Houston 19, Tex.

 STROMBERG, RANDOLPH E. (M'52), Pres., Melstrom Mig. Corp., 74 Fayette St., Perth Amboy, N.J.

 STROMER, PETER R. (A'57), Librarian, LMED, GE Co., Schenectady 5, N. Y.

 STROMEYER, CHARLES F. (A'29-VA'39-M'55), Consultant, 47 Orchard St., Marblehead, Mass.

 STROMSHOE, KEITHA A. (S'57-M'58), Officers Mess, RCAF, Sta. Cold Lake, Cold Lake, Alta., Canada.

 STROMSNED, ERIK A. (M'55), Sales Engr., Microwave Associates, Inc., Burlington, Mass.

 STROMG, CHARLES E. (A'25-M'27-SM'43-F'49), Chief Radio Engr., Standard Telephones & Cables, Ltd., Oakelgh Rd., New Southgate, London, N. 11, England.

 STRONG, ODRWARD E. (A'54), Sr. Lab. Technician, Motorola Research Lab., 3102 N. 56 St., Phoenix, Ariz. STRONG, JAMES L. (A'57), Electronics Technician, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 STRONG, JAMES L. (A'57), Electronics Technician, Facilities Sect. Head, Hazeltine Electronics Corp., Little Neck, 62, L.I., N.Y.

 STRONG, MALCOLM E. (S'50-A'52-M'58), Prod. Planner, Point to Point Equipment, GE Co., Carroll Ave. Plant, Lynchburg, Va.

 STRONG, WILLARD J. (M'58), Electronics Engr., Aeronutronics Systems, Inc., Newoort Beach. Calif.

- Lynchburg, Va.

 STRONG, WILLARD J. (M'58), Electronics Engr., Aeronutronics Systems, Inc., Newport Beach, Calif.

 STRONG, WILLIAM A. (S'57-M'59), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 STRONG, WILLIAM J. (M'56), Instr., Elec. Engrg., Clarkson College, Potsdam, N.Y.

 STRONGIN, JEROME (M'54), Special Projects Engr., U. S. Army Signal Equipment Support Agency, Coles Area, Ft. Mommouth, N.J.

 STRONGYLOS, MICHAEL L. (A'57), Engrg. Technician, CBS Hytron, 100 Endicott Str., Danvers, Mass.

 STROPKI, GEORGE T. (A'57), Research Engr., No. American Aviation, Columbus, Ohio.

 STROTHER, CLAUDE, JR. (A'52-M'58), Physicist, U. S.

- STROTHER, CLAUDE, JR. (A'57), Research Engr., No. American Aviation, Columbus, Ohio.

 STROTHER, CLAUDE, JR. (A'52-M'58), Physicist, U. S. Naval Ordnance Lab., Corona, Calif.

 STROTHER, FRED P. (A'45-M'58), Chlef Electronics Engr., West Point Mfg. Co., Research Div., Shawmurt, Ala.

 STROTHER, JAMES F. (A'47-M'55), Lt. Col., USAF, AFT 13, TFOCE, APO 63, San Francisco, Calif. STROTHER, JIMMY J. (S'58-M'59), Flight Test Engr., Convair, Ft. Worth 15, Tex.

 STROTHER, JOHN A. (S'52-A'55), Research Engr., RCA, Princeton, N.J.

 STROTHERS, HARLAN (S'32-A'42-M'55), Electronics Engr., Office of Naval Research, Washington, D.C.

 STROTHMERS, HARLAN (S'32-A'42-M'43), Patent Engr., Lawrence Radiation Lab., Univ. Of California, Berkeley, Calif.

 STROUD, ARNOLD A. (A'58), Electronics Engr., Con-

- Calif.

 STROUD, ARNOLD A. (A'58), Electronics Engr., Convair-Astronautics, Cape Canaveral, Fla.

 STROUD, EARL L. (S'48-A'51-M'56), Staff Officer, Ground Telecommunications, RCAF Training Command Hors., Trenton, Ont., Canada.

 STROUD, JACK C. (A'55), Mathematician, Dept. of Commerce, Natl. Bureau of Standards, Boulder, Colo.

 STROUD, STANLEY C. (S'47-A'49-M'55), Research Engr., McCullough Tool Co., 5820 S. Alameda, Los Angeles,

- STROUP, ROBERT E. (A'5B), Elec. Engr., Sinclair Pipe Line Co., Independence, Kan. STROUP, ROBERT M., JR. (S'49-A'52-M'57), Engr., Texas instruments, inc., 6000 Lemmon Ave., Dalias,
- STROWIG, KEITH W. (A'57), Electronics Engr., Convair, San Diego, Calif.

- STROWIG, KEITH W. (A'57), Electronics Engr., Convair, San Diego, Calif.

 STRUBLE, LOUIS G. (A'58), Lab. Electronics Technician, Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Artz. STRUBLE, RAYMOND C. (A'50), Field Engr., Bendix-Scintilla Div., Sidney, N.Y.

 STRUCK, HENRY E. (A'53-M'58), Project Engr., ITT Labs., Nutley 10, N.J.

 STRULL, GENE (S'52-A'55-M'55), Supvy. Engr., Westinghouse Elec. Corp., Baltimore, Md.

 STRUM, PETER D. (A'45-SM'55), V.P., Applied Technology, Inc., 930 Industrial Ave., Palo Alto, Calif.

 STRUMER, JOSEF N. (A'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 STRUMWASSER, ERIC (M'53), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 STRUP, CHARLES F., JR. (M'47), Design Engr., 18M, Endicott, N.Y.

 STRUT MAX J. O. (SM'46-F'56), Prof., Dir., Dept. of Advanced Elec. Engra, Swiss Federal Institute Of Technology, Gloriastrasse 35, Zurich, Switzerland.
- Of Technology, Gloriastrasse 35, Zurich, Switzerland.
 STRUVE, LAWRENCE M. (S'55-M'57), Microwave
 Engr., Meridian Metalcraft, Inc., 3739 S. Millergrove Dr., Whittier, Calif.
 STRUVEN, WARREN C. (M'56-SM'58), Leader, Special
 Projects Group, Eitel-McCullough, Inc., 79B San Mateo
 Ave., San Bruno, Calif.
 STRUYK, CLIFFORD (M'57), Laison Engr., Genl.
 Chem. Div., Allied Chemical & Dye Corp., 40 Rector
 91., New York 6, N.Y.

- 9t., New York 6, N.Y.
 STRYKER, EDWIN M., JR. (A'54), Head, Research & Dev. Group 5-A, Collins Radio Co., Cedar Rapids, Iowa.
 STRYKER, HUGH J. (M'56), Project Engr., Reliability Control Engr., Bediative Aviation Corp., Teterboro, N.J.
 STRYSKO, WALTER J. (A'54), Sound TV Engr., B, Elchwald & Co., 237 E. 39 St., New York, N.Y.
 STUART, ALFRED J. (M'56), Geophysical Engr., Imperial Oil, Ltd., 300 9 Ave., W., Calgary, Alta., Canada.

- STUART, AUSTIN F. (M'57), Chief Electronics Engr., J. A. Maurer, Inc., 37-01 31 St., Long Island City 1, N.Y.
- City 1, N.Y.
 STUART, CHESTER J. (M'56), Project Engr., Robert Welty,
 Consulting Engr., Port Dock, The Dalles, Ore.
 STUART, DONALD M. (A'39-SM'46), Dir., Tech.
 Dev. & Evaluation Center, FAA, Box 5767, Indianapolis, Ind.
- apolis, Ind.
 STUART, GEORGE S. (S'43-A'44), Engr., Litton Industries, San Carlos, Calif.
 STUART, HUGH D. (A'55), Consulting Engr., Lehigh Engrg., 211 Fairway Dr., Utica, N.Y.
 STUART, JERRY L. (S'54-A'56), Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena
- 4. Calif.

- STUART, JERRY L. (S'34-A'36), Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena 4, Calif.

 STUART, JOHN C., JR. (S'55-M'57), Mem. Tech Staff, Bell Tel. Labs. at Western Electric Co., Lexington Rd., Winston-Salem, N.C.

 STUART, JOHN F. (A'26-SM'53), Supt., Substa. Sect., El Paso Electric Co., El Paso, Tex.

 STUART, RICHARD R. (S'57-M'58), Ens., Anti-Submarine Warfare Officer, USN, USS James E. Kyes (DD787), FPO, San Francisco, Calif.

 STUART, ROBERT W. JR. (A'54), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 STUART, RUSSELL A. (S'56-A'57), Engr., New Prods. Engr., Dept., Westinghouse Elec. Corp., Box 10596, Pittsburgh 35, Pa.

 STUART, WILLIAMD. (S'54-M'56), Research Asst., Antenna Lab., Ohlo State Univ. Research Foundation, 1320 Kinnear Rd., Columbus 8, Ohlo.

 STUART-DONATHAM, W. E. (A'59), Mgr., Engr., Div., Snelling & Snelling of Washington, Inc., 605 14 St., N.W., Washington 5, D.C.

 STUART-MONTEITH, G. (M'58), Leigh Electronic Development, Ltd., New Lane, Havant, Hants., England. STUART-WILLIAMS, RAYMOND (M'47-SM'59), V. P. Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.

 STUARTS, ARTHUR, JR. (M'51), Design Engr., State Architects Office, Arcade Bidg, Albary, N.Y.

 STUBBE, LAWRENCE H. (A'58), Research Assoc., Arizona State Univ., Tempe, Ariz.

 STUBBINS, WARREN F. (A'45-M'50-SM'57), Assoc. Prof., Nuclear Science, Univ. of Cincinnati, Cincinnati 21, Ohlo.

 STUBBLEFIELD, ROBERT L. (A'54), Chief, Instrumentation Div., U.S. Naval Mine Engr., Facility, mentation Div., U.S. Naval Mine Engr., Facility, mentation Div., U.S. Naval Mine Engr., Facility,

- STUBBLEFIELD, ROBERT L. (A'54), Chief, Instrumentation Div., U.S. Naval Mine Engrg. Facility, NMO, Yorktown, Va.

- STUBBLES, JAMES E. (S'56-M'57), Elec. Engr., GE Co., Utica, N.Y. STUBBS, DE WITT L. (M'53), Electronics Engrg. Technician, FAA, 4825 Troost, Kansas City, Mo. STUBBS, GILBERT S. (A'52-M'58), Sr. Staff Engr., Franklin Institute Labs. for Research & Development, Benjamin Franklin Pkwy. at 20, Philadelphia 3, Pa.
- STUBBS, JAMES E. (S'55-M'58), Reactor Supvr., Asst. in Research, Dept. of Nuclear Engrg., Univ. of Florida, Gainesville, Fla.
- Gainesville, Fla.

 STUBBS, ROYSTON A. (S'4B-A'51), Wing Commander, Medical Assoc. in Physics, RCAF Institute of Aviation Medicine, 1107 Avenue Rd., Toronto, Ont., Canada. STUBBS, WILLIAM (A'36-M'47-SM'53), Dir. Genl. of Telecommunications, Federation of Malaya & Singapore, Kuala Lumpur, Malaya.

 STUBER, PETER (M'57), Elec. Engr., Underwood Corp., Kreuzstrasse 25, Zurich, Switzerland.

- Kreuzstrasse 25, Zurich, Switzerland.

 STUBER, RUDOLPH (A'39-M'55), Chief Sales Engr., Telecommunications Div., Brown Boveri & Co., Ltd., Haselstr., Baden, Switzerland.

 STUBNER, FRANZ W., (M'54), Mem. Tech. Staff, Bell Tel. Labs., 555 Union Blvd., Allentown, Pa.

 STUBNER, JAMES W. (A'49-M'55), Engr., AT&T Co., 195 Broadway, New York, N,Y.

 STUCKE, EDWARD A. (A'58), Field Service Rep., GE Co., Naval Ordnance, PittSfield, Mass.

 STUCKELMAN, ROBERT M. (S'55-M'57), Asst. Project Engr., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Callif.

- Engr., Litton Industri Beverly Hills, Calif.

- Engr., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calli F. Beverly Hills, Calli F. STUCKEN, HARRO (A'52), Diplomingenieur, c/o Caixa Postal 282, Porto Alegre, RGS/Brazil.

 STUCKERT, PAUL E. (M'56), Staff Engr., 18M, Research Lab., 304 Spring St., Ossining, N., V. STUCKI, ALFRED B. (S'57-M'59), Assoc. Engr., 80eing Airplane Co., Seattle 24, Wash.

 STUCKY, N., PAUL (A'53-M'58), Assoc. Prof., Physics Dept., Kansas Wesleyan Univ., Salina, Kan.

 STUDEB AKER, JAMES E., JR. (A'54), Electronics Technician, Boeing Airplane Co., Wichita 7, Kan.

 STUDEBAKER, MAJRICE E. (M'56), Communications Officer, 1983 AACS Sq., APD 23, New York, N. Y.

 STUDENT, STANLEY G., JR. (S'55-M'57), 2nd Lt., U.S., Army, Redstone Arsenal, Ala.

 STUDLEY, ROBERT V. (M'57), Physicist, E. I. du Pont de Nemours, Aiken, S.C.

 STUDSTILL, HARRY F. (S'55-A'56), WFLA-TV, 905 Jackson St., Tampa, Fla.

 STUDTMANN, GEORGE H., JR. (S'56-M'58), Engr., 8attelle Memorial Institute, 505 King Ave., Columbus, Ohio.
- STUESGEN, W. FLOYD (A'56), State St., 8ox 73, Saxon-
- STUERMER, ERNEST H. (SM'55), Chief Engr., Plans & Engrg. Div., Directorate of Combat Dev., U.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz.
- STUETZER, OTMAN M. (A'50-SM'53), Mgr., Physics & Chemistry Research, Genl. Mills, Inc., Mechanical Div., 2003 E. Hennepin Ave., Minneapolis, Minn.
- STUFF, ALFRED O. (S'55-M'57), 1400 Grand Concourse, New York 56. N.Y.
 STUFFLEBEAM, CLYDE E. (A'53), V.P., 8. & F. Instrunuts, Inc., 3644 N. Lawrence St., Philadelphia 40, Pa.
 STUHLBARG, STANLEY M. (S'49-A'51-M'54), Sugvr., Proposal Preparation, Crosley Div., Avco Mfg. Corp., 1329
 Arlington St., Cincinnatl 25, Ohio.
- STUHLER, ROSERT E. (A'50), V.P., Pile Foundation, Inc., 60-12 60 Dr., Masgeth, L.I., N.Y.
- STUHLINGER, ERNST (A'54), Physicist, A8MA, Huntsville,
- STULL, KEEFER S., JR. (S'49-M'53), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

- STULL, ROBERT J. (SM'51), Electronics Consultant, B715 E. 5, Downey, Callf.

 STULLKEN, RALPH D. (A'52), Transmitter Operator, KRMG, Box 76, Rte. 1, Sand Springs, Okla.

 STULTZ, LESTER R. (A'46-M'49), Sr. Test Engr., Hughes Aircraft Co., Box 1187, Tucson, Ariz.

 STUMP, ALFRED M. (M'47), Sales & Service Engr., 4541 Princeton Pike, Hamilton, Ohio.

 STUMP, JOSEPH W. (S'56-M'57), Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

 Navy Dept., Bureau of Ships, Code 816 C, 18 & Constitution, Washington 25, D. C.

 STUMPERS, F., LOUIS H.M. (A'49-M'55-SM'58), N.V.
- STUMPERS, F. LOUIS H.M. (A'49-M'55-SM'58), N.V. Phillips Gloeilampefabrieken, Research Labs., Eindhoven, The Netherlands.

- The Metherlands.

 STUMPF, HARRY W. (S¹54-M¹56), Asst. Engr., Wisconsin Telephone Co., 740 N. Broadway, Milwaukee 5. Wis.

 STUMPF, RICHARD J. (S¹46-A¹49-M¹55), Maint. Engr., NBC, Sunset & Vine, Hollywood 28, Calif.

 STUMPFF, HARRY G. (SM¹58), Sr. Engr., Sylvania Elec. Prods., Inc., Emperium, Pa.

 STUNTZ, JOHN W. (M¹55), Supvy. Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 27, Md.

 STUPP, ROBERT J., JR. (SM¹56), Mgr., Elec. Equipment Dev. & Instruments, GE Co., Research Lab., Schenectady, N.Y.
- N.Y.
 STUPP, RUPERT L. (M'57), Electronics Engr., Martin Co., Orlando, Fla..
 STUPP, RUSSELL W. (A'36-VA'39), Material Dir., Resident Inspector of Naval Material, Germantown, c/o Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
 STURDEVANT, JOSEPH T. (S'56-M'57), Project Engr., Levinthal Electronics Prods., Hanover St., Palo Alto, Calif.
- Calif.

 STURDE VANT, WILLIAM H. (S'56-M'5B), Jr. Electronics Engr., Erco Div., ACF Industries. Inc. . Riverdale. Md.

 STURDY, WILLIAM W. (M'56-SM'5B), Col., Llalson Officer from U. S. Army Signal Research & Development Lab. to Bell Tel. Labs., Whippany, N.J.

 STURGEON, STOCKER S. (A'37-VA'39-M'55), Asst. Research Dir., The Foxboro Co., Foxboro, Mass.

 STURGEON, WILLIAM S. (M'48-SM'57), Asst. Chief Design Engr., Hazeltine Corp., Little Neck 62, L.I., N.Y.

 STURGES, ROBERT P. (M'57), Field Engr., Stavid Engrg., Inc., U.S. Hwy. 22, Plainfield, N.J.

 STURGILL, CARL L. (A'54-M'56), Design Engr., Martin Co., Box 179, Denver, Colo.

 STURGILL, LESTER G. (M'52), Sr. Engr., Developmental

- Co., Box 179, Denver, Colo.
 STURGILL, LESTER G. (M¹52), Sr. Engr., Developmental
 Engrg. Corp., Ft. Evans Farms, Leesburg. Va.
 STURLESI, 8ENJAMIN E. (4¹54), Head, Div. of Physics,
 Ministry of Defense, Scientific Dept., Box 7062, Hakirya,
 Tel-Aviv, Israel.
- STURLEY, K.R. (M'46-SM'46), Head, Engrg. Training Dept., British Broadcasting Corp., Broadcasting House, London, W1, England.

- Dept., British Broadcasting Corp., Broadcasting House, London, W1, England.

 STURM, FREDERICK L. (A'47), Asst. Engr., Western Electric Co.. 220 Church St.. New York. N.Y.

 STURM, NORMAN (A'53-M'58), Sr. Project Engr., Pitometer Log Corp., 237 Lafayette St.., New York, N.Y.

 STURM, PAUL J. (SM'53), Engro, Rep. in Washington, Motorola, Inc., 4501 Augusta Blvd., Chicago, III.

 STORM, THEDODR F. (SM'55), V.P., Sr. Scientist, Electronic Systems Dev. Corp., 1484 Main St., Ventura. Calif.

 STURM, WALTER A. (S'56-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 STURROCK, JOHN K. (A'50-M'55), Tech. Officer, Dept. of Natl. Defence, RCAF Sta., Uplands, Ottawa, Ont., Canada.

 STURROCK, ROBERT F. (M'58), 368 Berkley Ave., Ottawa 3, Ont., Canada.

 STURTEVANT, CHARLES E. (S'41-M'45-SM'56), Chief Engr., Radio Div., Bendix Aviation Corp., Baltimore 4, Md.

 STURTEVANT, CHARLES E., S'41-M'45-SM'58), Sr. Electronics Engr., Convair-Astronautics, San Diego 12, Calif.

 STUTE, ROBERT A. (S'56-M'58), Communications Officer, USAF, 613th AC&W Sqdn., Det. 45, APO 1B1, San Francisco, Calif.

 STUTSMAN, PAUL W. (M'58), Dept. Head, Raytheon Mig. Co. Nawdon Sp.

- USAF, 613th AC&W Sgdn., Det. 45, APO 181, San Francisco, Calif.

 STUTSMAN, PAUL W. (M'58), Dept. Head, Raytheon Mfq. Co., Newton 58. Mass

 STUTT, CHARLES A. (S'43-A'46-M'55), Research Assoc., Research Lab., GE Co., Schenectady, N.Y.

 STUTZ, THEO. O. J. (A'54), Research Engr., Swiss Federal Institute of Technology, Dept. for Applied Physics, Gloriastrase 35, Zurich 6, Switzerland.

 STYNER, TRUMAN L. (A'53-M'58), Patent Atty., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

 STYREN, KNUT (M'54), Chief Engr., Telefonaktiebolaget, L. M. Ericsson, Stockholm 32, Sweden.

 SU, BA (A'56), Officer-in Chg., Rural Reception Sect., 8urma Broadcasting Service, Rangoon, 8urma.

 SU, KENDALL L. (SM'59), Asst. Prof., Elec. Engr., Georgia Institute of Technology, Atlanta 13, Ga.

 SUAREZ, ANTHONY (S'56-A'58), Field Service Engr., The Teleregister Corp., 445 Fairfield Ave., Stamford, Conn.

 SUAREZ, JANZ JORGE (SM'54), Ingeniero en Jefe de Operacion y Mant., TelesIstema Mexicano S.A., Chapultepec 18, Mexico. D.F., Mexico.

- LO, MEXICO U.F., MEXICO.

 SUAREZ-FLAMERICH, OSCAR (A'45-M'55), Dir., C. A. Energia y Communicadiones Electricas (ECE), Ed. Wilson, Esq. Dr. Diaz, Caracas, Venezuela.

 SUBLETT, CHARLES R. (M'58), Sr. Engr., Electronic Engrs. Co. of California, 1601 E. Chestnut St., Santa Ana, Calif.

- Ana, Calif.
 SUBLETTE, IVAN H. (S'49-A'49-M'55), Elec. Engr.,
 RCA, Camden, N. J.
 SUBRAHMANYAM, GANTI (S'46-M'48), Prof., Telecommunication Engrg., College of Engrg., Kakinada,
 Andhra Pradesh, India.
 SUBRAHMANYAN, T. R. (A'49-M'55), High Frequency
 Engr., Messar. Voltas, Ltd., Box 385, New Delhi 1,
 India.
- SUBRAMANIAN, CHINNASWAMY R. (\$'47-A'18 M'55), Asst. Supt., Dev. Electronics, Tech. Development Est., Hebbal, 8angalore 6, India.
 - neuvar, cangatore 6, India.
 SUBRAMANIAN, CHITTUR S. (A'52-M'58), Tech. Asst.
 O.C.S., "A' Barrack, Janoath, New Delhi, India.
 SUCHANEK, CHARLES F. (A'54), Foreman-Industrial Electronic Maint., Republic Aviation Corp., Farmingdale, L.I.,
 N.Y.

- SUCHARD, DALTON G. (A'44-M'48), Prod. Engr.-in-Chg. of Special Prods. Dlv., Sparton of Canada, Ltd., Elm St., London, Ont., Canada.

- London, Ont., Canada.

 SUCHOMEL, MICHAEL (S'58-A'59), Electronics Technician, RCA, Moorestown, N.J.

 SUCKLE, BENJAMIN W. (A'44), Co-Owner, Suckle Electronics Co., 22 & Hayes Ave., Camden 5, N.J.

 SUDDIJAN, STEVE L. (M'55), Sr. Engr., Philoo Corp., 3875 Fabian Way, Palo Alto, Calif.

 SUDDUTH, WILLIAM B. (S'52-A'55), Sr. Engr., ITT Labs., Nutley 10, N.J.

 SUDFELD, CLIFFORD C. (5'52-A'54-M'57), Computer Engr., McDonnell Aircraft Corp., Box 516, St.

 Louis 3, Mo.

 SUDIA ANDREW T. (A'4R-M'57), Sales Engr., Aviation
- Engr., McDonnell Aircraft Corp., Box 516, St.
 Louis 3, Mo.
 SUDIA, AMDREW T. (A'4B-M'57), Sales Engr., Avlation
 Electronic Prods., Bendix Radio Div., Baltimore 4, Md.
 SUDINSKY, LEON (5'50-A'52-M'5B), Sr. Electronics Engr.,
 Fairchild Astrionics Div., Wyandanch, L.I., N.Y.
 SUES, LAWRENCE B. (A'57), Dev. Engr., Codyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
 SUFFIELD, FREDERICK G. (A'42-M'45-SM'49), Dir.,
 Engro., System Development Corp., 2500 Colorado Ave.,
 Santa Monica, Calif.
 SUGAI, IMAO (5'56-M'5B), Assoc. Engr., IBM Research
 Center, Box 218, Yorktown Heights, N.Y.
 SUGALSKI, A. C. (A'58), Genl. Mgr., Valley Forge Placement, Norristown, Pa.
 SUGANUA, PERRY K. (A'54), Filight Test Engr., Convair,
 Box 274, Cocoa, Fia.
 SUGARS, GEORGE R. (S'4B-A'51-M'53), Electronic
 Scientist, Natl. Bureau of Standards, Boulder, Colo.
 SUGARMAN, MEYER L., JR. (SM'59), Dir., Electrophotographic Research, American Photocopy Equipment Co.,
 210D W. Dempster St., Evanston, Ill.
 SUGARMAN, ROBERT H. (S'47-A'47-SM'54), Chief,
 Vulnerability Branch, U. S. Army Signal Research &
 Development Lab., Ft. Monmouth, N.J.
 SUGATA, EIZI (SM'57), Pof., Faculty of Tngrg., Osaka
 Univ., Higashinodacho-op, Osaka, Japan.
 SUGAWARA, SATOSHI (A'57), Shimada Physical & Chemical
 Industrial Co., 17 Fujilmi-cho, Nakano-ku, Tokyo, Japan.

- Industrial Co., 17 Fujimi-cho, Nakano-ku, Tokyo, Japan.
 SUGG, C. HOWARD (A'52), Transmitter Engr., WPTF Radio Co., Raleigh, N.C.
 SUGI, MASO (A'56), Chlef, Elec. Research Sect., Sumitomo Electric Industries, Ltd., 60 Okijima Minamino-cho Konohana-ku, Osaka, Japan.
 SUGIMOTO, JAMES V (MISA) ELLIF

- SUGIMOTO, JAMES Y, (M'56), Field Engr., Reeves Instrument Corp., Garden City, L.I., N,Y.
 SUGIMOTO, K, GEORGE (M'59), Chief Engr., Flite Industries, 3312 Burton, Burbank, Calif.
 SUGIMOTO, MAMORU (5'56-M'57), Airborne Telecommunications Maint., RCAF, Air Materiel Command Hors., Rockcliffe, Ont., Canada.

- Ont., Canada.

 SUH, DONG U. (S'55-A'56), Prof., Engrg. College, Seoul Natl. Univ., Seoul, Korea.

 SUITA, TOKUO (M'58), College of Engrg., Univ. of Osaka, 9 Higashnoda, Osaka, Japan.

 SUITERS, CLARENCE W. (A'54), Industrial Engr., Facilities Planning & Mfg. Dev., GE Co., Plainville, Conn.

 SUITO, T. (A'51), Eastern Rectifier Sales Mgr., Syntron Co., 5B Rt. 17, Hasbrouck Hgts., N.J.

 SUITS, CHAUNCEY (G. (SM'55-F'56), V.P. & Dir., Research, GE Co., The Knolls, Schenectady, N.Y.

 SUKHADIA, PRATAP U. (A'45-M'47), Prop. & Engr., Wireless Services, 427 1/16, Shantlanth Bhuxan 427, Sion Rd., Matunga C. R., Bombay 19, India.

 SUKHIA, DARIUS E. (M'57), Staff Engr., Martin Co..
- SUKHIA, DARIUS E. (M'57), Staff Engr., Martin Co.,
- SUKIIA, DARIUS E. (M'57), Staff Engr., Martin Co., Baltimore 3, Md.

 SUKLICH, WILLIAM J. (A'56), Communications Engr., The Okonite Co., Passaic St., Passaic, N. J.

 SUKUP, JOHN P. (S'41-M'44-M'55), Mfrs. Rep., Thomas & Sukup, Inc., 5226 N. Keystone, Indianapolis 20, Ind.

 SULAHIAN, HERALD S. (S'57-M'59), 200 Broadway, Arlington 74, Mass.

 SULDS, IRVIN P. (A'57), Consultant, Telecom Systems, Inc., 9 Hunting Ridge Rd., White Plains, N.Y.
- SULDS, IRVIN F. IA 37, Consultant, Inc., 9 Hunting Ridge Rd., White Plains, N.Y.

 SULKOWSKI, EUGENE L. (A'49-M'55), Asst. DIr., Penn Technical Institute, 544D Penn Ave., Plitsburgh, Pa. & Acting Seismologist, Univ. of Pittsburgh, Pittsburgh, Pa. SULLENGER, JAMES E., JR. (A'51-M'56), Fleid Engr., Bendix Radio Div., Baltimore 4, Md.

 SULLINGER, WILLIAM B. (SM'51), Dir., Transmission & Telefax, Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

- SULLIVAN, AARON H., JR. (M'48-SM'50), Engleman & Co., Inc., 248D 16 St., N.W., Washington 9, D.C. SULLIVAN, ARNOLO W. (SM'59), Sr. Design Engr., Minneapolis-Honeywell Regulator Co., 13350 U.S. Hwy. 19, St. Petersburg, Fla.

- Petersburg, Fla.
 SULLIVAN, DAVID L. (S'56-M'57), Assoc. Elec. Engr.,
 18M, Owego, N. Y.
 SULLIVAN, DONALD J. (M'56), Sr. Engr., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.
 SULLIVAN, DONALD L. (S'52-A'54-M'58), Elec. Engr.,
 Air Force Cambridge Research Center, Computer Lab.,
 Hanscom Field, Mass.
- nanscom Field, Mass.
 SULLIVAN, DOUGLAS R. (S'55-M'56), Research Engr.,
 MIT, Instrumentation Lab., Cambridge 39, Mass.
 SULLIVAN, DOUGLAS S. (S'55-M'57), Assoc. Research
 Engr., Continental Oil Co., Ponca City, Okl.
 SULLIVAN, EUGENE (A'53-M'57), Project Engr., Loral
 Electronics Corp., 825 Bronx River Ave., New York 72,
 N.Y.

- Electronics Corp., 825 Bronx River Ave., New York 72, N.Y.

 SULLIVAN, EUGENE F. (M'48), Sr. Engr., Motorola, Inc., 4545 W. Augusta, Chicago 51, Ill.

 SULLIVAN, FRANCIS J. (M'56), Electronic Scientist, U.S. Naval Air Development Center, Johnsville, Pa.

 SULLIVAN, GERARD D. (M'51), Sales Mpr., Burlingame Associates, Ltd., 510 S. Fulton Ave., Mt. Vermon, N. Y.

 SULLIVAN, HAROLD J. (M'50), Mem. Tech. Staff, Advisory Group on Electron Tubes, 346 Broadway, New York 13, N.Y.

 SULLIVAN, HARRIS M. (SM'55), Mgr., Advanced Semiconductor Lab., GE Co., Syracuse, N.Y.

 SULLIVAN, HOBART B. (A'50), Electronics Engr., Naval Air Development Center, Johnsville, Pa.

 SULLIVAN, JACK K. (S'50-A'51-M'57), Engrg. Designer, Boeing Airplane Co., Renton, Wash.

 SULLIVAN, JAMES J. (S'50-A'52-M'58), Electronics Engr., Bureau of Ships, Navy Dept., 17 & Constitution Ave., N.W., Washington, D.C.

- SULLIVAN, JAMES L. (A'53), Design & Dev. Engr., RCA, Moorestown, N.J. SULLIVAN, JEROME R. (A'36-VA'39-M'48), Electron-ics Engr., Bendix Aviation Corp., 116D0 Sherman Way, North Hollywood, Calif.

- 398 -

- ICS Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 SULLIVAN, JIMME D. (M'56), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 SULLIVAN, JOHN F. (M'54), Exec. Engr., ITT Labs., Nutley 10, N.J.

 SULLIVAN, JOHN M., JR. (S'51-A'55-M'56), Mem. Tech. Staff, 735 State St., Santa Barbara, Calif.

 SULLIVAN, JOHN P. (S'57-A'5B), Electronics Field Service Technician, Remington Rand Univac, 315 4 Ave., New York, N.Y.

 SULLIVAN, JOHN W. (A'53-M'59), Engr. "A," Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 SULLIVAN, JOSEPH E. (M'59), Research Assoc., Willow Run Labs., Univ. of Michigan, Ann Arbor, Mich. SULLIVAN, LAWRANCE D. (S'58-M'59), Publication Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SULLIVAN, LAWRENCE T. (M'58), 9 Lancaster St., Cambridge 38, Mass.
- pridge 38, Mass.
 SULLIVAN, LEONARD D. (M'57), District Mgr., LMED, GE Co., 777 14 St., N.W., Washington 5, D.C.
 SULLIVAN, MAURICE C. (M'46), Supry. Electronics Engr. (Radio), Signal Sect., Hgrs., 4th Army, Ft.
 Sam Houston, Tex.
- Sam Houston, Tex.

 SulLivAn, MiCHAEL V. (A'54-SM'57), Asst. Mgr., Reconnaissance Lab., Allen B. Du Mont Labs., 35 Market St., East Patterson, N.J.

 SULLIVAN, OLIVER J. (A'55), Regional Mgr., Electronic Associates, Inc., 4515 Prentice, Dallas 6, Tex.

 SULLIVAN, PATRICK E. (M'48), Mgr., Picture Tube Prod. Engrg., GE Co., Syracuse, N.Y.

 SULLIVAN, PAUL A. (A'54), Elec. Engr., Raytheon Mfg. Co., Newton, Mass.

 SULLIVAN, RICHARD P. (S'47-A'50-M'55), Sales Engr., Detroit Mold Engrg., 6686 E. McNichols, Detroit 12, Mich.

- SULLIVAN, ROBERT M. (S'57-M'58), Elec, Engr., GE
- SULLIVAN, ROGER M. (M'59), Box 276, Newark Valley,
- N.Y.
 SULLIVAN, ROWLAND W. J. (SM'58), British Oversas Airways, London Airport, Hounslow, Middx., England.
 SULLIVAN, RUSSELL P. (M'59), Research Assoc., Physics Dept., The Ohio State Univ., Columbus 10, Ohio.
- SULLIVAN, THOMAS (M'58), Engr. 111, Canadian Aviation Electronics, Ltd., Cote-De-Liesse, Montreal 9, Ont., Canada.
- SULLIVAN, VINCENT J. (A'57), Design Engr., Electronic Communications, Inc., Orange, N.J.
 SULLIVAN, WILLIAM A. (A'51-M'58), Design Group Head, Collins Radio Co., 1937 Irving Blvd., Dallas 2, Tex.
- SULLIVAN, WILLIAM J. (A'58), Secretary & Sales Engr., Shalco, Inc., 23525 Woodward Ave., Ferndale Engr., Sha 20, Mich.
- 20, Mich.
 SULLIVAN, WILLIAM L. (SM'5B), Head, Elec. Engrg.
 Dept., Stevens Institute of Technology, Hoboken, N.J.
 SULLIVENT, ERNEST E., JR. (S'55-M'57), Assoc.
 Engr., Texas Instruments, Inc., 6000 Lemmon Ave.,
 Dallas, Tex.
- Dallas, Tex.
 SULSKY, BERNARD (M'58), Program Engr., FAA,
 Federal Bidg., New York Internati. Airport, Jamaica,
 L.I., N.Y.
 SULZER, HENRI G. (S'57-M'58), Research Engr., Centre
 National d'Etudes des Telecommunications, Avenue de la
 Republique, Issy-les-Moulineaux (Seine), France.
- France.
 France.
 SULZER, PETER G. (A'46-M'55-SM'56-F'58), Pres.,
 Sulzer Labs., Inc., 5526A Dorsey Lane, Washington
 16, D. C.
 SULZER, RUDOLF F. (A'54-M'56), Sales Engr.,
 IBM Extension Suisse, 30 Thalacker St., Zurich
 22, Switzerland.
- SUMERLIN, WILLIAM T. (S'34-A'40-M'44-SM'50), Reliability Administrator, Goyt. & Industrial Div., Phil Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- SUMINSKI, HAROLD (4.577), Electronic Scientist, Natl. Bureau of Standards, Washington 25, D.C. SUMMER, C. FORREST, JR. (S'48-A'49-M'52), Group Engr., Pershing Weapon System Computer Complex, Martin Co., Orlando, Fla.
- SUMMER, HENRY M. (S'50-A'52-M'58), Assoc. Prof. Elec. Engrg., Alabama Polytechnic Institute, Auburn, Ala.
- Ala.

 SUMMERFIELD, ALLEN R. (S'52-A'55), Research Engr., Rocketdyne, 6633 Canoga Ave., Canoga Park, Calif.

 SUMMERFORD, DE ALVA C. (A'39-M'44-SM'50), Electronics Engr., Office of Civil & Defense Mobilization, 50 N. Washington, Battle Creek, Mich.

 SUMMERRAYES, HARRY R., JR. (A'36-VA'39-SM'49), Mgr., Electronics Engrg., Genl. Engrg. Lab., GE Co., Schenectady, N.V.

 SUMMERS, CHARLES R. (A'55), Analyst, Natl. Security Agency, Washington, D.C.

 SUMMERS, DORRIS D. (S'55-M'58), Engr., Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.

- SUMMERS, GERALO C. (A'43-M'55), V.P., Summers & Mills, Inc., 911 W. Commerce St., Dallas 14, Tex. SUMMERS, GRANT L. (S'56-M'57), 707 1st Ave.,
- SUMMERS, JOHN W. (S'52-A'53-M'58), Application Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
- Cair.

 SUMMERS, LAURIE I. (S'46-A'52-M'58), Telephone Engr.,
 The 8ell Tel. Co. of Canada, Montreal, P.Q., Canada.

 SUMMERS, LEO E. A. (M'57), Dev. Engr., & Sect.
 Leader, Bristol Alroraft, Ltd., Bristol, England.

 SUMMERS, OSCAR H., JR. (S'52-M'55), Asst. Elec.
 Engr., St. Louis-San Francisco Railway Co., Springfield, Mo.
- field, Mo. SUMMERS, WILLARD P. (S'45-A'47-M'55-SM'59), Advisory Engr., IBM, Owego, N.Y. SUMMERVILLE, ROBERT W. (A'53), Field Service Engr., Tropical Radio Service Corp., Pier 7, North River, New York, N.Y.

- SUMNER, ERIC E. (M'54-SM'57), Transmission Systems Dev. Engr., Bell Tel. Labs., Murray Hill, N.J. SUMNER, GEORGE C. (SM'52), Electronics Sr. Design Group Engr., Convair, Ft. Worth 1, Tex. SUMNER, HUGH C. (M'57), Engr. (Plant Dept.), Canadian Broadcasting Corp., 5253 Decarie Blvd., Montreal, P.Q., Canada.
- SUMNER, MURRAY (S'56-M'57), Assoc. Elec. Engr., IBM, Poughkeepsie, N.Y.
- SUMMER, THOMAS B. (A'53-M'59), Tech. Dir., Studio Field, American Broadcasting Co., TV Center, 4151 Pros-pect Ave., Hollywood 27, Calif. SUMOSKI, ALEXANDER W. (S'54-M'56-SM'5B), Elec. Engr., Institute for Defense Analyses, The Pentagon, Wash-ington 25, D. C.
- Ingron 25, D. C.
 SUMOSKI, THEODORE S. (S'54-M'56), Staff Mem., Genl. Precision Lab., 63 Bedford Rd., Pleasantville, N. Y.
 SUMPTER, EDMUND J. (A'57), Supry. Electronics Engr., U. S. Govt. Dept. of Defense, Natl. Security Agency, Washington 25, D. C.

- ington 25, D. C.
 SUMPTER, PAUL B. (A'43-M'55), Elec. Engr., Ebasco Services, Inc., 2 Rector St., New York, N. Y.
 SUMPTER, ROBERT C. (A'58), Electronics Technician, Electronic Communications, Inc., 5t., Petersburg, Fla.
 SUMRELL, FERRALL N. (SM'57), Chief Engr., Hardwick, Hindle, Inc., 40 Hermon, Newark 5, N. J.
 SUN, HUN H. (S'48-A'54), Assoc. Prof., Orexel Institute of Technology, 32 & Chestnut St., Philadelphia 4, Pa.
 SUN, SUA-FOR R. K. (M'59-SM'59), Research Scientist, The Swiss Federal Institute of Technology, Zurich, Switzerland.
- SUNAOSHI, TAKASHI (A'57), Shimada Physical'& Chemical Industrial Co., 17 Fumini-cho, Nakanoku, Tokyo, Japan. SUNO, ERLING T. (S'55-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J. SUND, HERMAN E. (A'48-M'55), Owner & Mgr., Sund Television & Radio Co., 12B E. Main St., Los Gatos, Calif.
- SUNDARAM, VENKAT R. (A'53-M'59), Telecommunications Expert, World Meteorological Organization, Geneva, Switzerland.
- Switzerland:
 SUNDBERG, ALFRED A. (A'46), Project Engr., Bendix
 Aviation Corp., Teterboro, N. J.
 SUNDBERG, CEORGE A. (A'55), Technician, RCA Service
 Co., Patrick AFB, Fla.
 SUNDBERG, CLENN G. (M'56), Electronics Engr., Convair,
 Pomona, Calif.

- Pomona, Calif SUNDBERG, RALPH A. (S'53-M'56), Research Engr., Rock-etdyne Div., No. Amer. Aviation, 6633 Canoga Ave., Can-oga Park, Calif.
- SUNDBERG, VERNON C. (M'59), Engr., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif. SUNDE, DONALD H. (A'46), Sr. Dperations Analyst, Hgrs., USAF (AFOOA), Pentagon, Washington 25, D. C.
- SUNDE, FRLING D. (SM-57), Mem. Tech. Staff, Bell Tel, Labs., Murray Hill, N. J. SUNDEEN, OSCAR H. (M'57), Engr., Southern Bell Tel, & Tel. Co., 701. McGlee St., Knoxville, Tenn. SUNDEEN, PAUL C. (M'56), Asst., Transmission & Distribu-tion Engr., Saskatchewan Power Corp., Regina, Sask., Can-
- SUNDER, JAMES E. (S'46-A'49-M'55), Video Control Engr., NBC, 30 Rockefeller Plaza, New York 20, N. Y. SUNDIUS, HERBERT W. (A'40-SM'47), Genl, Equipment Engr., South New England Telephone Co., 227 Church St., New Haven 6, Conn.
- Engr., South New England Telephone Co., 227 Church St., New Haven 6, Conn.

 SUNDQUIST, ARNE (A'38-M'55), Chief Engr., Standard Radio & Telefon A-B | T & T Assoc., Johannesfredsvagen 9-11, Bromma, Stockholm, Sweden.

 SUNDSTROM, LLOVO C. (A'56), Sta. Supvr., Anvil Mountain, Federal Electric Corp., Box 191, Nome, Alaska. SUNDT, EDWARD V. (A'49-SM'5D), Chim. of Bd., Littlefuse, Inc., 1865 Miner St., Des Plaines, III.

 SUNDT, PETER C. (S'50-A'51-M'56), Mgr., Electro Technical France, 102 Ave. Simon Bolivar, Paris 19, France.

 SUNEGA, ERNEST M. (A'56-M'58), Head, Electro-Mechanical Group, Electric Boat Div., Groton, Corn.

 SUNLIN, WILLIAM M. (M'55), Asst., Design Group Engr., Convair-Astronautics, San Diego, Calif.

 SUNSTEIN, DAVID E. (M'44-SM'51-F'58), Pres., Genl. Atronics Corp., 1 Bala Ave., Bala-Cynwyd, Pa.

 SUNTOP, MORRIS A. (M'57), Electronics Dev, Engr., Remington Rand, Utica, N. Y.

 SUOZZI, JOSEPH J. (A'53-M'58), Mem. Tech. Staff, Bell

- INGOON RAND, UTICA, N. Y.
 SUOZZI, JOSEPH J. (4.73-M'58), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N.J.
 SUPERIOR, WILLIAM J. (5'4-A'55), Elec. Engr., Orexel
 Institute of Technology, Lab. of Climatology, Rte. 1, Centerton, Elmer, N. J.

- SUPERIOR, WILLIAM J. (S'54-A'55), Elec, Engr., Urexel Institute of Technology, Lab. of Climatology, Rte. 1, Centerton, Elmer, N. J.
 SUPPTILOV, MICHAEL C. (SM'54), Dir., Research, Du Kane Corp., St. Cliarles, III.
 SUPPA, PAUL P. (S'58-M'59), Engr., Genl., Precision Lab., 63 Bedford Rd., Pleasantville, N. Y.
 SUR, JACOB D. Y. (S'55-M'57), Elec. Engr., ITT Labs., Nutley 10, N. J.
 SUR, JOHN (S'52-A'53-M'58), Elec, Engr., Hughes Aircraft Co., Culver City, Calif.
 SURAN, JEROME J. (A'52-SM'55), Mgr., Advanced Circuits, Electronics Lab., GE Co., Syracuse, N. Y.
 SURBER, WILLIAM H., JR. (S'42-A'45-M'47), Prof., Princeton Univ., School of Engrg., Princeton, N. J.
 SURDAM, ELMER L. (M'50), Mgr., Forest Industries Radio Communications, 10 E., 18 Ave., Eugene, Ore.
 SURDI, MARIO (M'56), Assoc. Engr., 18M, Kinaston. N. Y.
 SURDIN, MAURICE M. (SM'46), Head, Electronics Dert., Commissaria a L'Energie Atomique, Centre d'Etudes, Nu cleaires de Saclay, Seine et Oise, France.
 SURENIAM, DARIUS (S'50-A'51-M'56), Dev. Engr., 1TT Labs., Nixtley 10, N. J.
 SURES, ALLAN H. (SM'56), Sect. Chief, Diamond Ordnance Fuze Labs., Washington 25, D. C.
 SURETTE, WILLIAM E., JR. (S'49-A'52-M'57), Asst. Project Engr., Republic Aviation Corp., 223 Jericho Toke, Mineola 1, L. I., N. Y.
 SURROM, ECORGE R. (S'52-M'55), Group Supvr., Sage Prototype, 18M, Kingston, N. Y.
 SURONMEC, DANIEL S. (S'49-A'52-M'56), Sr. Field Engr., Bendix Radio Oliv., Towson 4, Md.

- SURPRENANT, ALBERT H. (A'49), Pres. & Treas., Surprenant Mfg. Co., 199 Washington St., Boston B, Mass. SURTEES, WALTER J. (S'42-A'45-M'4B), Scientist, Defense Research Board, Carde, Box 1427, Quebec, P. Q., Canada.
- Canada

 SURYAN, G. (M'57), Lecturer, Physics, Indian Institute of Science, Bangalore 12, India,

 SUSEK, JOHN F., JR. (A'54), Instrumentation Engr., Mc Donnell Aircraft Corp., Box 516, St. Louis 3, Mo.

 SUSKA, JOHN T., JR. (S'49-A'52-M'56), Sr. Engr., Field Test, Martin Co., Baltimore 3, Md.

 SUSKE, CHESTER C. (A'54), Service Mgr., S., T. A., R. S., 16 Regent Pl., Huntington, L. I., N. Y.

 SUSKI, HENRY M. (A'44-M'45-SM'52), Electronics Scientist, Naval Research Lab., Washington 25, D.C.

 SUSMI, HENRY M. (A'44-M'45-B'45-M'52).
- SUSMAN, LEON (S'56-M'5B), 1622 Ocean Pkwy., Brook-
- lyn 23, N.Y.
 SUSON, IRVING (S'50-A'51-M'57), 1240 S. Central Park
 Ave., Chicago, Ill.
 SUSS, JEHUDA T. (S'55-M'58), Elec. Engr., Israel
 Atomic Energy Commission, Box 7056, Hakirya, TelAviv, Israel.
- SUSSDORFF, ROBERT R. (M'47), Radio Engr., Coles Area, Ft. Monmouth, N.J.

- Area, Ft. Monmouth, N.J.
 SUSSENGUTH, EDWARD H., JR. (M'5B), Research Asst.,
 MIT, Cambridge 39, Mass.
 SUSSEX, GEORGE R. (S'57-M'59), Electronics Engr.,
 Hughes Aircraft Co., Culver City, Callf.
 SUSSKIND, ALFRED K. (S'47-A'50-M'56), Assoc. Prof.,
 MIT, Cambridge 39, Mass.
 SUSSKIND, CHARLES (S'47-A'52-M'53-SM'54), Assoc.
 Prof., Univ. of California, Cory Hall, Berkeley 4, Calif.
 SUSSKIND, IRVING N. (S'51-A'53-M'5B), Computing
 Systems Engr., RCA, Camden 2, N.J.
 SUSSKIND, SIEGFRIED E. M. (A'43), V. P., Waldorf Instrument Corp., Huntington, L. I., N. Y.
 SUSSMAN, ALLBERT B. (A'56), Field Engrg., IBM,
 Kingston, N.Y.
 SUSSMAN, ALLBART B. (A'56), Field Engrg., IBM,
 KIngston, N.Y.

- Kingston, N.Y.
 SUSSMAN, ALLAN I. (S'57-M'59), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 SUSSMAN, EMANUEL B. (M'50), Chief Applications Engr.,
 Tung-Sol Electric, Inc., 545 N. Arlington Ave., East
- SUSSMAN, HARRY (S'33-A'34-SM'44), Engr. Dir., Telectro Industries Corp., 35-16 37 St., Long Island City 1, N.Y.
- SUSSMAN, JULES P. (S'54-M'56), Raytheon Mfg. Co., Wayland, Mass.

- SUSSMAN, JULES P. (3'94-M'95), Ayureon Mrg. Cb., Wayland, Mass.

 SUSSMAN, MARVIN (5'52-A'53), Process Engr., Internatl. Harvester Co., 5225 S. Western Blvd., Chicago 9, III.

 SUSSMAN, MAX (S'50-A'51-M'56), Research Engr., Mechanics Research Div., American & Foundry Co., 1104 S. Wabash, Chicago 5, III.

 SUSSMAN, NATHAN (M'50), Chief Engr., Ameco Electronics Corp., 37 E. 1B St., New York 3, N.Y.

 SUSSMAN, ROBERT J. (S'54-M'57), Engr., Brubaker Electronics, 3652 Eastham, Culver City, Calif.

 SUSSMAN, STEVEN M. (M'55), Research Group Leader, Melpar, Inc., 43 Leon St., Boston 15, Mass.

 SUSTARE, BEVERLY A. (M'5B), Mgr., Midwestern Instruments, Inc., 15 N. Atlantic Ave., Cocoa Beach, Fla.

 SUSZEK, EDMUND J. (A'49), 29-31 Sunset Ct., Passiac, N.J.
- N.J.
 SUTCLIFFE, ROBERT F. (S'57-M'59), Engr.-in-training,
 Alberta Govt. Telephone, Edmonton, Alta., Canada.
 SUTER, HENRY (A'41-SM'46), Supt., Sonar Div., U.S.
 Navaí Air Development Center, Johnsville, Pa.
 SUTER, S. GRAHAM (S'46-A'48-M'55), Design Engr.,
 Allis-Chalmers Mg. Co., Columbus & Preble Aves.,
 Pittsburgh 33, Pa.
- SUTHER, GEORGE A. (M157), Engrg. Leader, RCA, Camden 2,

- N.J.
 SUTHERLAND, ALAN D. (M'53), Engr., Sperry Electronic Tube Div., Gainesville, Fla.
 SUTHERLAND, CHARLES M. (M'55), Regional R.H.
 Sturdy Co., Box 306, Briarcliff Manor, N.Y.
 SUTHERLAND, CHARLES W. (S'55–M'59), Circuit Design Engr., Hughes Altrarta Co., Box 2097, Fullerton, Calif.
 SUTHERLAND, CLARENCE E. (M'5B), Electronics Systems Maint, Training Div. Officer, Fleet Alrborne Electronics
 Training Unit, Atlantic, USN, Naval Air Sta., Norfolk 11, Va.
- SUTHERLAND, DAVID (A'57), Martin Co., Baltimore 3,
- Md.
 SUTHERLAND, EDGAR F. (A'42), Mgr., Administrative
 Services, License Dept., RCA Internati. Div., 30 Rockefeller Plaza, New York 20, N. Y.
 SUTHERLAND, EDWARD F. (M'5B), Engr., Genl. Radio
 Co., Ridgefield, N.J.
- SUTHERLAND, EUGENE B. (M'59), V.P., Taylor-Emmett Controls, Inc., 445 E. Turkeyfoot Lake Rd., Akron 19,
- Ohio.
 SUTHERLAND, J. G. A. (M'29-SM'43), Resident Dir. In Great Britain, United Engineers, Ltd., Africa House, Kingsway, London, W. C. 2, England.
 SUTHERLAND, JAMES J. (M'51-SM'44), V.P. & Genl. Mgr., Vacuum Tube Prods. Co., Inc., 202D Short St., Oceanside, Calif.
- SUTHERLAND, JOHN G. (M*51), Mgr., Mktg. Dept., Engrg. Prods., RCA Victor Co., 1001 Lenoir St., Montreal, P.Q., Canada.
- Montreal, P. Q., Canada.

 SUTHERLAND, LESTER C. (A'46), Telemetering & Communications Engr., No. Amer. Aviation, Inglewood, Calif.

 SUTHERLAND, LOUIS C. (M'55), Research Engr., Boeing Airplane Co., Seattle, Wash.

 SUTHERLAND, ROBERT L. (A'53-M'58), Factory Engr., Eitel-McCullough, 79 B San Mateo Ave., San Bruno, Calif.

 SUTHERLAND, WILLIAM R. (S'56-M'53), 100-C Catherine Ave., Elitinor Village, Pensacola, Fla.

 SUTHERLIN, LEE (A'19-M'2B-SM'43)(L), 26 Wilson Terr., Caldwell, N.J.

 SUTHERS, BURTON H., IR. (S'56-M'58), Design Engr.,

- SUTHERS, BURTON H., JR. (S'56-M'5B), Design Engr., Aeronutronic Systems, inc., 2701 Halliday, Santa Ana, Calif.
- Call I.
 SUTINEN, CARL P. (SM'53), Electronics Engr., AC Spark
 Plug Div., 1925 E. Kenllworth Pl., Milwaukee 2, Wis.
 SUTKIN, SEYMOUR (M'57), Engr., Sperry Gyroscope,
 Great Neck, L.I., N.

- SUTLIFF, CARL N. (S'55-M'59), Sales Engr., John Francis O'Hailoran & Associates, 11636 Ventura Blvd., North Hollywood, Calif.

 SUTPHEN, KARL A. (S'54-M'57), Computer Engr., Crosley Div., Avco Mfg. Co., Evendale, Ohlto.

 SUTRO, LOUIS L. (A'49-M'54), Digital Computer Engr., Instrumentation Lab., MIT, Cambridge 39, Mass.

 SUTTER, CLAIR G. (S'57-M'58), Prod. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SUTTER, CLAIR G. (S'57-M'58), Prod. Engr., Sperry Phoenix Co., 19 & Deer Valley, Phoenix, Arlz.

 SUTTER, DELOS M. (A'55), Mem. Tech. Staff, Bell Tel. Labs., 55 Union Blvd., Allentown, Pa.

 SUTTLE, ANDREW., JR. (SM'56), Sr. Research Chemist Humble Oil & Refining Co., Tech. & Research Divs., Refining Dept., Baytown, Tex.

 SUTTNER, RALPH (A'37-M'55), Mgng. Dir., Wholesale Radio & Electric Co., Pty., Ltd., Main St., Johannesburg, South Africa.

- burg, South Africa.
 SUTTON, ALBERT A., JR.: (S'56-M'57), Tech. Publications Editor, Convair, Pomona, Calif.
 SUTTON, ANDREW T. (A'52-M'55), Project Engr., Metal Prods. Co., Craighead St., Nashville, Tenn.
 SUTTON, ARTHUR W., JR.: (S'54-M'57), Electronics Engr., Wright Air Development Center, USAF, WCLEQ-S, Wright-Patterson AFB, Ohio.
 SUTTON, BEN L.: (A'53-M'56), Special Appent. Flor. Foot
- Patterson AFB, Unio.
 SUTTON, BEN L. (A'51~M'56), Special Agent, Elec. Engr.,
 FBI, 9 & Pennsylvania Ave., N.W., Washington, D.C. FBI, 9 & Pennsylvania Ave., N.W., Washington, D.C.
 SUTTON, DAVID A. (S'56-M'59), 32B Buckey Ct., Ironton, Mo.
 SUTTON, ELVIN D. (S'56-M'57), Electronics Engr., Bureau
 of Ordnance, Navy Dept., Constitution Ave., Washington, D.
 C.
- C.
 SUTTON, GEORGE L. (S'50-A'51-M'55), Research Asst., Electronics Research Lab., Stanford Univ., Stanford, Calif. SUTTON, HERBERT B. (M'56), Commercial Mgr., Lenkurt de Mexico, Aptdo. 26010, Tenayuca 475 | Mexico 12, D.F., Mexico.

- D.F., Mexico
 SUTTON, JAMES C., II (M'5B), Supvy. Engr., Page Communications Engr., 710 14 St., Washington, D.C.
 SUTTON, JOHN G., JR. (S'4B-A'5O-M'55), Engr., incho., Sylvania Electronic Defense Lab., 123 N. Whisman,
 Mountain View, Calif.
 SUTTON, JOHN F. (S'54-M'56), Aerophysics Engr., Convair,
 Ft. Worth, Tex.
 SUTTON, JOHN R. (A'51), Staff Engr., Engrq. Dept., ITT
 Federal Div., 3101 Wayne Trace, Ft. Wayne, Ind.
 SUTTON, JOHN S. (M'56), Lab. Tech. Specialist, IBM, Monterey & Cottle Rds., San Jose 25, Calif.
 SUTTON, LAURUS E., III (A'57), Supvr., Research Group,
 Instrumentation & Automatic Controls, Gibbs & Cox, Inc.,
 21 West St., New York 6, N.Y.
 SUTTON, DOND D., JR. (M'54), Foreman, Convair Pomona,
- SUTTON, ODON D., JR. (M'54), Foreman, Convair Pomona, Calif.

- Calif.

 SUTTON, RICHARD H. (A'56), Engr., Singer Mfg., 109
 Trumbull St., Elizabethoort, N. J.
 SUTTON, ROBERT B. (A'52), Prod. Planner, Communication
 Prods. Dept., GE Co., Lynchburg, Va.
 SUTTON, WAYNE R. (S'47-A'49-M'55), Sr. Engr., Bendix
 Aviation Corp., North Hollywood, Calif.
 SUTTON, WILFRED A. (A'54), Sr. Engr., Strand Engrg. Co.,
 1354 N. Main St., Ann Arbor, Mich.
 SUTTON, WILLIAM B. (A'59), Engrg., Aid IV, Manitoba
 Telephone System, 166 Portage Ave., East Winnipeg, Man.,
 Canada.
 SITTON WILLIAM A. (A'54), Sr. Engr., East Winnipeg, Man.,

- Canada .
 SUTTON, WILLIS K. (A'56), Mgr., Chicago Aerial Ind., Inc., 349 W. 1st St., Dayton 2, Ohio.
 SUYDAM, CLINTON H. (M'54), Patent Engr., IT&T, 67
 Broad St., New York, N.Y.
 SUZUKI, EICHI (A'54), Tech. Advisor, Commercial Trades
 Institute, 1400 Greenleaf, Chicago 13, III.
 SUZUKI, KEIJI (M'55-SM'5B), Sub-Chief Engr., TV Research
 Sect., Broadcasting Co. of Japan, Tech. Research Lab., 361
 Kinutamachi, Setagayaku, Tokyo, Japan.

- KINILIAMACHI, JEELAGAYAKU, 16VYO, JABAH.
 SUZUKI, MICHIO (SM'57), Asst. Prof., Engrg. Faculty,
 Hokkaido Univ.. Sappor., Japan.
 SUZUKI, TATSUO (M'57), Elec, Engr., Wm. H. Welsh Co.,
 Inc., 2241 S. Indiana Ave., Chicago 16, III.
 SUZUKI, ZIRO (A'54), Chief, The First Cable Mfg. Dept.,
 Furukawa Electric Co., Yokohama Works, Nishi-Ku, Yokohama. Island.
- SVALA, GUNNAR (A'47-M'47), Chief Sect., Telefonak-tiebolaget, L. M. Ericsson, Stockholm 32, Sweden, SVANASCINI, ARNOLDO L. (A'40-M'46-5M'49), Sales Mgr., Tuner Div., Sarkes Tarzian, Inc., E. Hillside Dr., Blooming-
- ton, ind.
 SVANHOLM, JOHAN K.V. (M'56-SM'59), Elec. Engr., Applied
 Physics Labs., The Johns Hopkins Univ., Silver Spring, Md.
 SVARCZKOPF, GEORGE J. (A'57), Supvr., Operating Communication Sta., Federal Electric Co., Anchorage, Alaska, (Also
 Paramus, N.J.)

- Paramus, N.J.)

 SVEDLOW, JESSE D. (A'47–M'55), Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 SVEHAUG, OSWALD C. (A'5B), Field Engr., Tektronix, Inc., Box B31, Portland, Orc.

 SVENDSEN, EDWARD C. (S'45–A'49–M'55), Cmdr., USN, Bureau of Ships, Dept. of the Navy, Washington 25. D.C.

 SVENSSON, EMIL L. (A'56), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 SVENSSON, REGNAR (A'47–M'55), Engr., Chief of Lab., DISA Elektronik A/S, 17 Herlev Hovedade, Herlev, Denmark.

 SVFRDLIK, SAMUEL S. (A'57), Physician & Instr., St. Vincent's Hospital & New York Univ., 153 W. 11 St., New York 11, N.Y.

 SVERDRUP, EDWARD F. (M'5B). Asst. Prof. Elac.

- New York 11, N.Y.

 SVERDRIP, EDWARD F. (M'5B), Asst. Prof., Elec.
 Engra, Camegie Institute of Technology, Forbes St.,
 Pittsburgh 13, Pa.

 SVIEN, ARLON J. (M'55-SM'57), Engra. Group Head, Collins
 Radio Co., 2616 E. Broadway, Tucson, Ariz.

 SVIGALS, JEROME (M'56), Special Sales Rep., IBM, Western
 Regional Office, 3424 Wilshire Blod., Los Angeles S. Calif.

 SVIFEK, GEORGE A. (A'51-M'56), Natl. Service Mgr.,
 Communication Equipment, GE Co., Lynchbura, VA
 SVOBDOA, JAROMIR J. (M'26), Mem. Internatl. Frequency
 Registration Board, Palals Wilson, Geneva, Switzerland.
- SVOREC, RICHARD S. (A'59), TV Service Man, Radio Equipment Co., 1202 S. Lafayette Blvd., South Bend,
- SVRCEK, LOUIS (A'57), Operator Learner, Dept. of Transport, Canadian Goyt., Edmonton, Alta., Canada.

- SWAB, CHARLES S. (M'59), Field Engr., Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, III. SWAFFORD, JACK H. (A'55), Electronics Engr., Bendix Aviation Corp., Kansac City 41, Mo. SWAFFORD, JAMES E. (A'48-M'52), V.P. Engrg., Consul-tant, Peninsula Broadcasting Corp., WVEC-AM-TV, Hampton, Va; Project Engr., Melpar, Inc., 3000 Arlington Blvd. Falls

- Va; Project Engr., Melpar, Inc., 3000 Arlington Blvd. Falls Church, Va.

 WAFFORD, JOHN H. (A¹57), Electronics Engr., U.S. Army Signal Engre. Asency. Washington 25, D.C.

 SWAFFORD, LUTHER JR. (A¹57), Field Tech. Rep., ERCO Div., ACF Industries, Box 209, Hyattsville, Md.

 SWAFFORD, THOMAS W., JR. (M¹53), Staff Engr., Tenco Aircraft Corp., Dallas, Tex.

 SWAIN, ALFRED T. (S¹60-A¹51-M¹56), Engr.-In-Cho., Induction Heating Dept., Modern Steel Treating Co., 1010 W. 122 St., Chicago 43, Ill.

 SWAIN, ALFRED T. (S¹40-A¹41-M¹55), Research Engr., Boeing Airplane Co., Seattle, Wash.

 SWAIN, DAVID L. (M¹59), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 SWAIN, DAWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, DAWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, DAWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, DAWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, DAWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, DAWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, DAWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹59), V.P. & Genl. Mgr., Industrial Electronic SWAIN, MOWARD (M¹504)

- 6000 Lemmon Ave., Dallas, Tex.,
 SWAIN, HOWARD (M'59), V.P. & Genl. Mgr., Industrial Electronics, Inc., B32 S. Oueen St., Honolulu, Hawaii.
 SWAIN, JAMES A. (A'58), Test Engr., W.L. Maxson Corp.,
 460 W. 34 St., New York, N.Y.
 SWAIN, JAMES R. (A'2-M'57), Research Engr., NASA, Ames
 Research Center, Moffett Field, Calif.
 SWAIN, JOHN E. (A'48), Sales Engr., Midwest Coil Trans/ former Co., 1642 N. Halstead St., Chicago, Ill.
 SWAIN, LORENZO D. (A'57), Tech. Writer, Electrodata
 Div., Burroughs Corp., 460 Sierra Madre Villa, Pasadena,
 Calif.
- Call I.
 SWAIN, PAUL F. (A'55), Systems Specialist, The Hallamore Electronics Co., 714. N. Brookhurst, Anaheim, Calif.
 SWAIN, ROBERT G. (A'51-M'57), Supvr., Field Engrg., Eastern District, CBS-Hytron Div., 32 Green St., Newark
- SWAIN, ROBERT R. (A'27-VA'39-M'55), Special Asst., Tech. Operations Div., Air Force Special Weapons Center Kirtland AFB, N.M.
- KITUAND AFB, N.M.
 SWAIN, ROGER S (S'50-A'51-M'5B), Project Engr., Benrus Watch Co., 30 Cherry Ave., Waterbury, Conn.
 SWAIN, WILLIAM H. (A'55), Sr. Research Engr., Electro-Mechanical Research, Inc., Sarasota, Fla.
 SWAINSTON, DAVID W. (S'56-M'5B), 1st Lt., USAF, Elec, Engr., Rome Air Development Center, Griffiss AFB, N. Y.
- Eléc, Engr., Rome Air Development Center, Ginnis Aviation Corp., 11600 Sheman Way, North Hollywood, Calif, SWALLOW, CHANDLER E. JR. (S'51-4'52), Commanding Officer, USS Kretchmer (DER-329), FPO, New York, N. Y. SWALLOW, DONALD S. (A'54-M'57), Dev. Engr., IBM, Poughkeepsie, N. Y. SWAMINATHAN, K. (A'5B), Jr. Research Asst., Council of Scientific & Industrial Research, Govt. of India, New Delhi, India
- SWAMINATHAN, RAVI (M'59), Civil & Hydraulic Engrg. Sect., Indian Institute of Science, Sr. Scientific Off., Bangalore 3, India.
- sangaure 3, moia.
 SWAN, C. BURKE (A'55-M'57), 1B Webster Ave., Toronto, Ont., Canada.
 SWAN, ERNEST O. (A'40-M'44-SM'4B), Pres., Emie Swan Television Co., Ltd., 512 Bayview Ave., Toronto 17, Ont., Canada.
- 11, Ont., Canada.
 SWAN, L. LE ROY (A'47), Supvo. Engr., Illinois Bell Tel.
 Co., 20B W. Washington St., Chicago 6, III.
 SWAN, MERRILL L. (M'48-5M'54), Quality Control Mgr.,
 Cannon Electric Co., 320B Humboldt St., Los Angeles 31,
 Calif.

- Calif.
 SWAN, NANCY C. (A'56), 1B03 37th St., N. W., Washington 7, D. C.
 SWAN, RICHARD L. (S'52-A'53-M'5B), Sr. Engr., Norair Div., Northrop Corp., Hawthorne, Calif.
 SWAN, ROBERT A. (A'57), Electronics Technician, Frequency Standards, Inc., Box 504, Asbury Park, N. J.
 SWAN, RODOLPHUS A., JR. (A'34-M'46), Mgr., Process & Prod. Engrg., TV Picture Tube Div., Sylvania Elec.
 Prods., Inc., Seneca Falls, N. Y.

- Pros., Inc., Seneca Fairs, N. T.
 SWANA, JOHN J. (\$'53-A'54), Engr., GE Advanced Electronics Center, Ithaca, N. Y.
 SWANA, MICHAEL R. (A'55), Engr., Sylvania Elec, Prods.,
 Inc., Waltham 54, Mass.
 SWANEKAMP, JAMES E. (A'54), Project Engr., Design of
 Electronic Devices & Electromagnetic Radiation & Detection
 Systems, Naval Ordnance Lab., White Oak, Silver Spring, Md.
- SWANK, GEORGE D. (A'55), Staff Engr., Farmsworth Elec-tronics, Pontiac St., Ft. Wayne, Ind. SWANK, WALLY B. (S'34-A'43-M'55), Wally B. Swank, Inc., 2310 Bellevue Ave., Syracuse 4, N. Y.
- SWANLUND, GEORGE D. (\$'54-M'58), Sr. Research Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn.
- MIDITERPORTS 13, Minn.
 SWANN, CARTER H. (S'53-M'56), Design Engr., GE Co.,
 Waynesboro, Va.
 SWANN, EARL S. (S'57-M'5B), Electronics Engr., Convair, San Diego, Calif
- SWANNACK, CHARLES H. (SM'59), Mem. Tech. Staff, Bell Tel. Labs., 3300 Lexington Rd., Winston-Salem, N.C.
- N.C. SWANSEN, HENNING W. (A'54), Sr. Engr., Tasker Instruments Corp., 3349 Cahuenga, Hollywood, Calif SWANSON, BEN E. (M'47), Dir., Systems Engrg. Div., Kellogg Switchboard & Supply Co., 5959 S. Harlem Ave., Chicago 3B, III.

- Chicago 3B, III.
 SWANSON, CARL A. (M'56), Dir. of Planning Service, IBM, 590 Madison Ave., New York 22, N. Y.
 SWANSON, CARL I. (S'53-A'54), Chief Field Engr., Lansdale Tube Div., Philito Corp., Church Rd., Lansdale, Pa.
 SWANSON, CARL R. (M'54), TV Research Engr., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.
 SWANSON, CHARLES A. (S'56-M'58), Electronics Engr., Spluspias Electronic Defense Lab., 80 v 205. Mountain View Calif.
- SWANSON, CLIFFORD W. (A'41), Pres. & Chief Engr., Deltron Associates, Inc., 273B W. Belmont Ave., Chicago 1B, III.
- SWANSON, EARLE S. (A'55), Elec. Engr., Magnavox Co., Bueter Rd., Ft. Wayne, Ind. SWANSON, EDWARD E. (M'56), Sr. Electronics Engr., Genl. Electronic Labs., Inc., Silver Spring, Md.

- SWANSON, ELSTON H. (S'44-A'46-M'49-SM'57), Pres., Instruments For Industry, Inc., 101 New South Rd., Hicksville, L. I., N. Y.
 SWANSON, EMORY R. (A'43-M'48-SM'51), Project Engr., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.
- Calif.
 SWANSON, EUGENE C. (S'55-M'57), Elec . Engr., Computer Control Co., Inc., NAMTC, Point Mugu, Calif.
 SWANSON, G. WAYNE (A'57), Printed Circuit Processor, Electro-Pulse, Inc., 11861 Teale St., Culver City, Calif.
 SWANSON, GEORGE W. (S'54-A'56), Project Engr., High Voltage Engr., Corp., Burlington, Mass.
 SWANSON, HAROLD A. (S'56-M'58), Asst. Engr., Raytheon Mfg. Co., Waltham, Mass.

- SWANSON, HAROLD A, (S'56-M'58), Asst. Engr., Raytheon Mfo, Co., Waltham, Mass.
 SWANSON, HAROLD E. (A'51-M'56), Research Physicist, New Jersey Zinc Co., Palmerton, Pa.
 SWANSON, JOHN A, (S'55-M'57), Research Engr., Lockheed Missile System, Box 504, Sunnyvale, Calif.
 SWANSON, JOSEPH P. (A'53-M'58), Asst. Chief Engr., Levinthal Electronics, Inc., Hanover St., Palo Alto, Calif.
 SWANSON, KARL T. (A'56), Lt. Cmdr., USN, Chief Engr., USS Rochester (CA 124), FPO, San Francisco, Calif.
 SWANSON, LESTER F. (M'59), Chief Radar Engr., Minneapolis Gas Co., 700 N. Linden Ave., Minneapolis, Minn.
 SWANSON, MARK W. (A'47-SM'50), 2000 Columbia Pike, Arlington, Va.
 SWANSON, RICHARD L. (S'51-A'52-M'56), Design Engr., Douglas Aircraft (Missile Div.), Ocean Park Blyd., Santa Monica, Calif.
- SWANSON, RICHARD W. (A'57), Lt. Col., USAF, Procurement & Production Staff Officer (Electronic Equipment & Support Systems), Pentagon 4D275, AFMPP-EQ, Washington

- 25, D. C.
 SWANSON, ROBERT E. (A'54), Mgr., Advanced Technology, I8M, Endicott, N. Y.
 SWANSON, ROBERT W. (S'58-A'58), Audio Technician, Alberta Provincial Goyt., Southern Alberta Jubilee Auditorium, Calgary, Alta., Canada.
 SWANSON, ROGER W. (S'50-A'52-M'57), Engr., GE Co., Syracuse, N. Y.
- Syracuse, N. Y.
 SWANSON, RUSSELL E. (A'44-M'53), Project Electronic
 Engr., Hamilton Watch Co., Hathaway Instrument Div., 5800
 E. Jewell St., Denver 15, Colo.
 SWANSON, VERNE D. (A'56), Systems Engr., Allen B.
 DuMont Labs.
- SWANSON, WALTER A. (S'57-M'59), Jr. Transmission Engr., Genl. Telephone of Pennsylvania, 20 E. 10 St., Erie, Pa.
- Erle, Pa.
 SWANSON, WILLIAM E. (M'58), Sr. Engr., Sylvania Electronic Prods., Inc., 8ox 1296, Mountain View, Calif.
 SWANSON, WILLIAM G. (A'49), Chief Engr., Swan Electronics Co., 5016-22 N. Austin Ave., Chicago 30, III.
 SWANSTROM, NORMAN C. (S'54-A'54), Electronics Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 35, III.
- SWANTON, WILLIAM L. (M'57), Project Engr., I8M, Endicott, N.Y.
- SWANTZ, FRANCIS W. (M'47-SM'53), 16 S. 23 St., Belleville, III.
- SWARD, WILLIAM O. (A'50-M'55), Research Engr., Autonetics Div., No. Aner. Aviation, Downey, Calif.
- SWARM, H. MYRON (S'37-A'40-M'45-SM'54), Assoc. Prof., Elec., Engrg., Univ. of Washington, Seattle 5, Wash.
- SWARTER, PAUL H., JR. (A'57), Missile Guidance Technician, GE Co., Syracuse, N.Y.
- Technician, GE Co., Syracuse, N.Y.

 SWARTHE, FRIC (A'46-M'48-SM'53), Consulting
 Engr., 80x 212, El Segundo, Calif.

 SWARTHOUT, WALTER M. (A'45-M'48-SM'54), Consulting Engr., 14277 Van Nuys Blvd., Pacoima, Calif.

 SWARTS, LEWIS E., JR. (SM'58), Project Mngt., Microwave Lab., Hughes Aircraft Co., Culver City, Calif.

 SWARTWOUT, ROBERT E. (S'49-A'51-SM'56), Instr., Elec. Engro., Juliv. of Illinois, Urbana, Ill.

 SWARTZ, ALLEN (A'54), Service Engr., Altee Service Co., 7266 Melrose Ave., Los Angeles, Calif.

 SWARTZ, CHARLES W. (M'58), Enulpropert Engr. Southa
- SWARTZ, ALLEN (A'5-4), Service Engr., Altec Service
 Co., 7266 Melrose Ave., Los Angeles, Calif.
 SWARTZ, CHARLES W. (M'58), Equipment Engr., Southwestern Bell Tel. Co., 1010 Pine St., St. Louis, Mo.
 SWARTZ, EARL E. (S'53-A'54), Sr. Eleo. Engr., Bendix
 Research Labs., Box 5115, Detroit 35, Mich.
 SWARTZ, FRED E. (A'50). 200 5 Ave. Freedom. Pa.
 SWARTZ, FRED E. (A'50). 200 5 Ave. Freedom. Pa.
 SWARTZ, GAYLORD A. (S'54-A'54), Dev. Engr., Electra
 Mfg. Co., 800 N. 21 St., Independence, Kan.
 SWARTZ, MARTIN D. (A'57), Unit Mgr., Mech. Design &
 Dev., RCA, Moorestown, N. J.
 SWARTZ, PAUL C. (M'58), Mech. Engr., Eltel & McCullough,
 San Bruno, Calif.
 SWARTZL, KARL D. (M'47-SM'47), Head, Karl D.
 Swantzel, Consultant, 302 E. Clark, Jackson, Mich.
 SWARTZLANDER, DALE E. (A'57), Components Engr.,
 Sylvania Elec. Prods., Inc., Buffalo, N.Y.
 SWARTZLANDER, CARELD W. (A'46-M'57), Chief Engr.,
 Swartzlander Radio, Ltd., 1220 Stillwell Ave., Fremont,
 Ohio.
 SWATEK, PAT W. (A'54), Field Engr., RCA Internatl.

- SWATEK, PAT W. (A'54), Fleid Engr., RCA Internati. Service Co., Camden, N.J. SWAVELY, ROBERT S. (A'58), Asst. Engr., Western Elec-tric Co., Laureldale, Pa.
- tric Co., Laureldale, Pa. 367, ASST. Engr., Western Electric Co., Laureldale, Pa. 367, ASST. Engr., Western Electric Corp., 3875 Fabian Way, Palo Alto, Calif.

 SWEARER, HARVEY F. (M'57), Electronics Engr., Universal A & M Corp., 2531 Chamberlayne Ave., Richmond 22, Va. SWEARINGEN, JERRY D. (S'53-M'55), 7s. Prod. Engr., Sperry-Rand Corp., Waldo Rd., Galnsville, Fla. SWEARINGEN, THOMAS J. (A'49-M'51-SM'57), Engr., Airborne Instrument Lab., Melville L.I., N.Y.

 SWEAT, ROBERT E. (A'59), Range Sta. Technicain, RCA Service Co., Patrick AFB, Fla.

 SWEDBERG, PERRY W. (A'58), Asst. to Chief Engr., Electrofilm, Inc., 7116 Laurel Canyon Blvd., North Hollywood, Calif.

 SWEDLOFF, BERNARD (A'49), Engr., PCA Service Co.

- Cail'.
 SWEDLOFF, BERNARD (A'49), Engr., RCA Service Co.,
 Camden B, N.J.
 SWEDLUND, LLOYD E. (A'31-SM'45), Consultant,
 Cathode Ray Tube Design & Mfr., Stromberg-Carlson Co.,
 Box 2449, San Diego 12, Calif.
- SWEELEY, GRAYSON K. (A'54), Tech. Rep., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

- SWEENEY, CHARLES J., JR. (M'58), Jr. Electronics Engr., Litton Industries, 4910 Calvert Rd., College Park, Md.

- Md.

 SWEENEY, DONALD J. (M'59), Assoc. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.

 SWEENEY, HARDLD E. (M'56), Advanced Dev. Engr.,
 Westinghouse Elec. Corp., Metuchen, N.J.

 SWEENEY, JAMES S. (M'58), Psychologist, Naval Research Lab., Washington, D.C.

 SWEENEY, JOHN F. (S'48-A'50-M'55), Chief Project
 Engr., Ampex Corp., 2740 Bay Rd., Redwood City, Calif.
 SWEENEY, JOSEPH E. (M'52), Systems Engr., RCA,
 Camden 8, N.J.

 SWEENEY, WILLIAM R. (A'48-M'55), Sr. Flee, Engr.

- Camden 8, N.J.

 SWEENEY, WILLIAM R. (A'48-M'55), Sr. Elec. Engr.,
 Stavid Engrg., Inc., Rte. 22, Plainfield, N.J.

 SWEENEY, EGENGE C. (S'48-A'51-M'56), Engr., Sanders
 Associates, 95 Canal St., Nashua, N.H.

 SWEENEY, ARTHUR C., JR. (A'54), Owner, Sweeny X-Ray,
 4929 S. Columbia Ave., Tulsa 5, Okla.

 SWEENY, CAREY P. (M'42-SM'43), Engr., WRCA-TV &
 WRCA-TM, NBC, 30 Rockfefler Plaza, New York 20, N.Y.

 SWEENY, T. V. (M'52), Sales Mgr., Commercial Prods.
 Div., Canadian Marconi Co., 830 Bayview, Toronto 12,
 Ont., Canada.

 SWEFT ALFRED I. IR. (S'55-M'56), Fleld Assoc. Fngr.
- Ont., Canada.
 SWEET, ALFRED J., JR. (S'55-M'56), Fleld Assoc. Engr., IBM, Kingston, N.Y.
 SWEET, ARTHUR P., JR. (A'51-M'56), Application Engr., RCA, New Holland Ave., Lancaster, Pa.
 SWEET, CHARLES M. (M'47), Consultant, Electronics, 218 Lower Circular Rd., Calcutta 17, India.
 SWEET, JAMES L. (A'43), Owner, 38 5 Ave., Box 222, Galt, Ont., Canada.
 SWEET, JOSEPH (A'57), Engr., Burroughs Corp., 14300 Tireman, Detroit, Mich.
 SWEET, LEONARD O. (S'51-A'53-M'58), Microwave Engr.

- Tireman, Detroit, Mich.

 SWEET, LEDONARD D. (S'51-A'53-M'58), Microwave Engr., Polytechnic Research & Development Co., 202 Tillary St., Brooklyn I, N.Y.

 SWEET, MARVIN E. (A'53-M'57), Staff Engr., IBM, Airborne Computer Lab., Owego, N.Y.

 SWEET, RAY D. (A'56), Project Engr., Singer Mfg. Co., 915 Pembroke St., Bridgeport 8, Conn.

 SWEET, ROBERT A. (A'43-M'55), Eastern Regional Mgr., Computer Div., Bendfix Aviation Corp., 1000 Connecticut Ave., N.W., Washington 6, D.C.

 SWEET, ROBERT E. (A'58), Engr., GF.Co., LMFD.
- SWEET, ROBERT E. (A'58), Engr., GE Co., LMED,
- SWEET, ROBERT E. (A'SB), Engr., GE CO., LMEU, UIGA. N.Y.

 SWEETLAND, JAMES G. (M'57), Project Engr., American Bosch Ama Corp., Garden City, L.I., N.Y.

 SWEETNAM, GARTH E. (S'49-A'51-M'57), Sect. Chief, Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.

 SWEETS, F. MARTIN (M'47), Pres., Martin Sweets Co., 114 S. 1st St., Louisville 2, Ky.

 SWEETSER, LAWRENCE R. (M'54), Engr., Sylvania Elec. Prods., Inc., 121 Loring Ave., Salem, Mass.

 SWEIGART, AARON S. (A'50), Design Engr., Briggs Associates, Inc., 102 Dekalb St., Norristown, Pa.

 SWENARTON, EUGENE W. (A'57), Sales Engr., Bendix Aviation Corp., Eatontown, N.J.

 SWENGEL, ROBERT C. (A'51), Dev. Engr., AMP, Inc., Box 255, Carlisle, Pa.

 SWENSON, ARTHUR N., JR. (A'47-M'55), Production

- SWENSON, ARTHUR N., JR. (A'47-M'55), Production Mgr., Craftsmen's Guild, 1001 N. Orange Dr., Hollywood 38, Calif.
- SWENSON, CHESTER F. (S'56-A'58), Systems Engr., Motorola Communications & Electronics, Inc., 118 Tracy St., Syracuse, N.Y.
- SWENSON, GEORGE W., JR. (A'46-SM'52), Prof., Elec. Engr., Research Prof., Astronomy, Univ. of Illinois, Urbana, III.
- III.
 SWENSON, HAROLD T. (M'55), Chief, Training Unit, FAA, Box 1082, Oklahoma City, Okla.
 SWENSON, RICHARD A. (S'52-A'54), Planning Engr., Western Electric Co., 2200 Church St., New York 13, N.Y.
- N.Y.
 SWENSON, ROBERT L. (A'59), Sr. Electronics Technician, Interstate Electronics, 707 E. Vermont, Anaheim, Calif.
 SWENSON, WALTER J. (A'46), Lab. Dir., W. L. Maxson
 Corp., 460 W. 34 St., New York I, N.Y.
 SWENSON, WILLIAM C. (S'56-M'59), Prod. Field Engr.,
 IBM, Poughkeepsle, N.Y.
- ISM, Poughkeepsle, N.Y.
 SWERLING, PETER (M'56), Sr. Staff, Electronics Dept.,
 Rand Corp., 1700 Main St., Santa Monica, Calif.
 SWERN, LEONARD (A'49-M'53-SM'57), Engrg. Sect.
 Head, Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.

- SWETZ, THOMAS J. (S'58-A'58), C 8try., 1st MSL., Bn. 51, Arty., Cromwell, Conn.
 SWETZ, THOMAS J. (S'58-A'58), C 8try., 1st MSL., Bn. 51, Arty., Cromwell, Conn.
 SWIADEK, STANLEY F. (SM'56), Engr.-in-chg., Sylvania Elec. Prods., Inc., Box 997, Mountain View, Callif.
 SWIOEGOOD, KENNETH T. (S'58-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City. Callif.
 SWIDER, MATTHEW F. (M'58), Dev. Engr., RCA Victor, Camden, N.J.
 SWIDERSKI, EDWARD F. (S'50-A'51), Design Engr., Westinghouse Elec. Corp., U.S. Rte. 25, Lima, Ohio.
 SWIENT ONIEWSKI, EDWIN J. (M'58), Capt., USAF, 4713th Radar Evaluation Sodin, ECM. Griffiss AFB, N.Y.
 SWIERCZAK, PHILIP C. (S'44-A'47-M'53-SM'55), R. F.
 Tuner Prod. Design Engr., RCA, Camden B. N.J.
 SWIETT CHARLES W. (A'58), Cryptographer, Dept. of State, Washington 25, D. C.
 SWIETT LMK, S'TEFAN (M'58), Project Engr., T. A. Edison, Watchung Ave., West Drange, N.J.
 SWIFT, GHARLES W. (A'58), Owner, C. W. Swift & Associates, 8ox 316, Enclino, Calif.
 SWIFT, IRLIBERT (M'51), Sr. Project Supvr., Well
 Surveys. Inc., 10700 E. Independence, Tulsa, Okta.
 SWIFT, IRUGH G. (M'47), Engr., KSIR Radio, 3357 W. Central, Wichita, Kan.
 SWIFT, MUCH G. (M'47), Engr., KSIR Radio, 3357 W. Central, Wichita, Kan.
 SWIFT, MAURICE E. (SM'51), Mgr., High Fidelity Engrg., Philoc Coron, Tioga & C Sts., Philadelphia 34, Pa.
 SWIFT, RAYMOND R. (A'56), Ontario Region Service Supvr., Canadian Motorola Electronics, Ltd., 105 Bartley Dr., Toronto 16, Ont., Canadan.
 SWIFT, RICHARD A. (SM'55), Engr., Bell Tel. Labs., Whispany, N.J.
- SWIFT, RICHARD A. (SM'55), Engr., Bell Tel. Labs.,

- SWIFT, ROBERT E. (M'59), Mgr., Dayton Interference Control & Field Service Lab., Sprague Electric Co., 224 Leo St., Dayton, Ohio.

 SWIFT, WAYNE 8. (S'48-A'50-M'55), Asst. Prof., Univ. of Wisconsin, Madison, Wis.

 SWIFT, WESLEY H., JR. (S'54-M'56), Test Engr., McDonnell Aircraft Corp., St. Louis 3, Mo.

 SWIFT, WILLIAM C. G. (A'54), Genl. Mgr. & Chief Engr., Contlinental Electrolog Corp., 32 33 St., Brooklym 32, N.Y.

 SWIGER, J. MORRIS (S'53-A'54), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 SWIGERT, ROBERT L. (M'58), Exec. V. P., Photocircuits Corp., 31 Sec Cliff Ave., Gien Cove, L.I., N.Y.

 SWIGERTT, WILLIAM O. (S'52-A'54), Service Engr., Calculator Equipment Corp., 556 Central Ave., Orange, N.J.

 SWINBURN, ARTHUR H. (M'58), Asst. Tech. Dir., USN Central Torpedo Office, Quality Evaluation Lab., Newport, R.I.
- R.I.

 SWINDALL, PAUL M. (M'58), 4315 Chickasaw Dr., Huntsville, Ala.

 SWING, MERVIN (J'41-M'52-SM'57), System Evaluation Engra. Defense Systems Dept., GE Co., Syracuse, N.Y.

 SWINGLE, DONALD M. (A'45-M'48), Chief, Meteorological Techniques Branch, U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 SWINK, JOHN E. (A'53), Equipment Maint., AT&T Co., 937 Greene St., Augusta, Ga.

 SWINNEY, JAMES G. C. JR. (A'44-M'46-SM'50), Mgr., Engra., Dewline D & M, Federal Electric Corp., 621-671 Industrial Ave., Paramus, N. J.

 SWINNEY, STANLEY I. (S'57-A'59), 18409 60, W., Lyrinwood, Wash. 1

- SWINYARD, WILLIAM O. (A'37-M'39-SM'43-F'45), V.P., Hazeltine Research Inc., 5445 W. Diversey Ave., Chicago 39, III.
- SWIRE, 8RIAN E. (S'41-A'43-M'55), Chief Engr., Adolph Basser Computing Lab., School of Physics, Univ. of Sidney, Sidney, N.S.W., Australia.

- Sidney, N. S. W., Australia.
 SWISHER, BENJAMIN F. (S'54-A'55), Research Engr., "8"
 Boeing Airplane Co., Seattle 14, Wash.
 SWISHER, CHARLES F. (S'55-M'57), Assoc. Engr., Ampex
 Coro., 934 Charter St., Redwood City, Calif.
 SWISHER, LYLE W. (A'56), Capt., USAF, 2720 Maint.
 G.P., APO 74, San Francisco, Calif.
 SWISHER, PAUL E. (SM'56), Sr. Engr., Bendix Aviation
 Corp., 400 S. Beiger St., Mishawaka, Ind.
 SWITZEMBERG, ELMER A. F. (A'44-M'45), Staff Engr.,
 Illinois Bell Tel. Co., 208 W. Washington St., Chicago 6,
 Ill.
- SWITZER, WALTER H. (A'44), Owner, Communications Engrg. Service, E. 3918 Hartson, Spokane 31, Wash. SWITZER, WILLIAM L. (A'52-M'56), Sr. Project Engr., Arnoux Corp., 11924 W. Washington Blvd., Los Angeles 66, Calif.
- SWOPE, CHARLES S. (M'59), Avionics Prod. Design Engr., Fairchild Aircraft & Missiles, Hagerstown, Md. SWYGARD, GENE F. (5'55-M'56), Electronics Engr. A U.S. Army, Army Security Agency, Hors., U.S.A.S.A. Operational Center, Ft. Huachuca, Ariz.
- SWYGERT, WILBERT E., JR. (S'57-M'59), Jr. Engr., Sperry Piedmont Co., Charlottesville, Va. SWYRYD, MIROSLAV (S'53-A'54), Engr., Maico Elec-tronics Inc., 21 N. 3rd St., Minneapolis 1, Minn.
- SYERIGA, PHILIP M. (M'51), Cant, USAF, Research & Dev. Engr., Wight-Patterson AFB, Ohio.

 SYDEJKO, JOSEPH F. (A'53), Lab. Supw., Illinois Institute of Technology, 3300 S. Federal, Chicago 16, III.

 SYKAS, ANTHONY J. (M'57), 228 Garden Lane, Vestal, N. Y.
- SYKES, CHARLES A. (M'59), Electronics Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H. SYKES, CHARLES 8. (S'57-M'58), Electronics Engr., Naval Air Missile Test Center, Point Mugu, Calif.
- NAVAI AIF MISSILE LEST CENTER, POINT MUGU, Calif.
 SYKES, JAMES A. (M'155), Electronics Engr., Natl. Bureau of Standards, Boulder, Colo.
 SYKES, LANGTHORNE (A'51), Physicist, U.S. Naval Ordnance Testing Sta., Inyokern, China Lake, Calif.
 SYKES, R. PETER (M'55), Electronics Engr., Ramo-Wooldridge Corp., 5760 Arbor Vitae St., Los Angeles 45, Calif.
- 43, vaiii.
 SYKES, ROBERT T. (A'54), Planning Engr., Western Electric Co., 220 Church St., New York 13, N.Y.
 SYKES, ROGER A. (A'41-M'42-SM'43-F'57), Component Dev. Engr., Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.
- SYKORA, GEORGE E. (A'56), Purch. Agent, Works Mgr., Well Surveys. Inc. . Box 2656, Tulsa, Okla. SYLER, RONALD P. (S'57-M'58), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
- SYLVAIN, E. F. (M'57), Design Engr., I8M, San Jose, Calif.
- Calif.

 SYLVAN, TAGE P. (M'56), Engrg., Semiconductor Prods. Deot., GE Co., Syracuse, N.Y.

 SYLVANE, ALLEN A. (SM'51), Chief Engr., Continental Electronics Corp., 302 Oakland St., Brooklyn 22. N.Y.

 SYLVESTER, GORDON E. (S'39-A'40-M'55), Asst. Chief Engr., Convair-Astronautic, Pomona, Calif.

 SYLVESTER, RICHARD C. (M'58), Field Maint, Engr., Tektronix, Inc., Box 831, Portland 7, Ore.

 SYLVESTER, ROBERT A. (M'51), Pres., L. D. Lowery, Inc., 50 E. Wynnewood Rd., Wynnewood, Pa.

 SYMDALISTY, STEPHEN (M'55), Project Engr., RCA, Moorestown, N. J.

 SYMONDS, RICHARD J. (S'41-A'42-SM'54), Design & Dev. Engr., RCA, 11819 W. Olympic Blvd., Los Angeles 64, Calif.

 SYMONS, FREDERICK E. (S'55-M'58), 2nd Lt. JL S

- SYMONS, FREDERICK E. (\$'55-M'58), 2nd Lt., U.S. Army, Quartermaster Research & Engrg. Center, Natick,
- SYMONS, ROBERT S. (A'52-M'58), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.
- SYMONS, WILLIAM E. (M'45), c/o R.F.E., 8iblis, Hessen, Germanv.
 SYN, WAI M. (S'50-M'58), Instr., Georgia Institute of Technology, 225 North Ave., N.W., Atlanta, Ga. SYNNAMON, JAMES H. (A'50-M'55), Stockroom Mgr., Chemistry Dept., Bowling Green State Univ., Bowling
- SYPHERD, ROBERT S. (M'57), Electronic Engrg. Technician, FAA, Box 1082, Oklahoma City 7, Okla.

SYS-TAM - 401 -

- SYSKO, SIGMUND J. (M'45), Engrg. Group Supvr., Philico Corp., C & Tioga Sts., Philadelphia 34, Pa.

 SZABO, JOHN A. (S'52-A'55), Sr. Electronics Engr., Republic Aviation Corp., Dev. Dept., Farmingdale, L.I., N.Y.

 SZABO, JOSEPH E. (S'51-A'52-M'55), Disc Div., Mor., Reverse Soundcraft Corp., 204 Walnut St., Allentown, Pa. SZAFRANSKI, JOHN J. (M'57), Elec Engr., Bendix Aviation Corp., 201 Westwood Ave., Long Branch, N.J.

 SZALACH, FRANK E. (S'49-A'51-M'5B), Electronics Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 SZATROWSKI, ZBIGNIEW (A'59), Sales Field Engr., Consolidated Electrodynamics Corp., 815 Fablan Way, Palo Alto, Calif.

 SZCZEBAK, EDWARD J. (M'57), Engr., The Chesapeake &

- SZCZEBAK, EDWARD J. (M'57), Engr., The Chesapeake & Potomac Telephone Co. of Virginia, 703 E. Grace St., Richmond, Va.
- SZCZEPANSKI, JOHN J. (S'57-A'59), Depot Asst., GE Co., Syracuse, N.Y.
- Co., Syracuse, N.Y.
 SZE, TSUNG WEI (A¹55), Fessenden Prof., Elec. Engrg., Univ. of Pittsburgh, Pittsburgh 13, Pa.
 SZEDGA, ANDREW (S'4B-A'50-M'55), Chief Mfg. Engr., F.W. Sickles Div., Genl. Instrument Corp., 1301 Herkimer St., Joliet, III.
- SZEGHO, CONSTANTIN S. (A'41-SM'51-F'52), V.P.-In-Cho. of Research, The Rauland Corp., 4245 N. Knox Ave., Chicago 41, III.
- SZEKELY, MICHAEL E. (M'59), Research Assoc., RCA Labs., Princeton, N.J. SZEMAN, PETER (A'54-M'57), Physicist, USAF, Kirland AFB, Albuquerque, N.M.

- Kirtland AFB, Albuquerque, N.M.

 SZENTIRMAI, GEORGE (M'57), Sect. Leader, Transmission
 Div., Standard Telephones & Cables, Ltd., North Woolwich,
 London, E. 16, England.

 SZEREMETA, PETER J. (S'52-A'53-M'57), Logical Engr.,
 GE Co., Computer Dept., 951 Commercial St., Palo Alto,
 Calif.
- Call .

 SZERLIP, ALEXANDER (SM'57), Packard Bell Electronic, 12333 Olympic Blvd., Las Angelee 64, Calif.

 SZEWCZYK, SDZISLAW I. (S'52-M'56), Engr., Bendix Aviation Corp., Research Labs. Dlv., Box 5115, Detroit 35, Mich.
- Detroit 35, Mich.

 SZIKLAI, GEORGE C. (A'41-M'43-SM'43-F'55), Asst. to V.P., Engrg., Westinghouse Elec. Corp., 3 Gateway Center, Pittsburgh 30, Pa.

 SZILASI, ANDREW (A'37-SM'53), Mgr., Engrg., Westinghouse Elec. Corp., Tube Div., Bath. N.Y.

 SZIRMAY, STEPHEN Z. (S'53-A'55), Research Engr., California Institute of Technology, 4B00 Oak Grove Dr., Pasadena, Calif.

- SZMERDA, RAYMOND J. (S'53-A'55), Electronics Engr., ITT Labs., Nutley 10, N.J. SZOJKA, FREDERICK K. (S'56-M'57), Asst. Substation Engr., City of Calgary, MacLeod Trail, Calgary, Alta.,
- Canada.

 SZUCHY, NICHOLAS C. (A'55), Sr. Dynamics Engr.,
 Republic Aviation Corp., Farmingdale, L.I., N.Y.

 SZUCS, ANDREW S. (A'52), Pres., Szucs Internatl. Corp.,
 50 Broad St., New York 4. N.Y.

 SZUKALSKI, DAVID J. (S'54-M'55), Engr., Dynamics,
 McDonnell Aircraft Corp., Lambert Field, St. Louis, Mo.
- mcLoonneli Aircraft Corp., Lambert Field, St. Louis, M SZUKALSKI, EUGENE A. (S'56-M'5B), Project Engr., RCA, Camden, N.J. SZULCZYNSKI, ZEN J. (M'57), Administrative Engr., Applied Science Corp. of Princeton, Box 44, Princeton Junction, N.J.
- SZULEWSKI, EDWARD P. (A'54), Radio & TV Technician, 71 Thorndike St., Cambridge 41, Mass.
 SZUMILA, ANTHONY D. (S'53-A'55), 38 Ring Lane, Levittown, Pa.

- Levitown, Pa.

 SZUPILLO, RAYMOND E. (A'55), Physicist, Corning Glass
 Works, Corning, N.Y.

 SZWEDO, STEPHEN G. (A'57), Pres., Jersey Electric &
 Electronics, 901 N. Olden Ave., Trenton 8, N.J.

 SZYDLOWSKI, JOHN J. (S'57-A'58), Electronics Maint.
 Technician, FAA, Federal Bidg., Internati. Airport, Janaica,
 L.I., N.Y.
- SZYMANSKI, LEONARD A. (S'56-M'5B), Jr. Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- SZYMKOWIAK, EDWARD (S'4B-A'50), Owner, Eddle's Radio & Television Service, 635 E. Oakland, Toledo B, Ohio.

- TAACK, GEORGE B., JR. (S'57-M'5B), Telephone Engr., U.S., Dept. of Agriculture Bldg., Washington, D.C. TAAGEPERA, ARVO (A'56), Lab. Technician, S.G., Smallwood, Ltd., 397 King, E., Kitchener, Oht., Canada. TABER, JOHN E. (S'45-A'49-M'55), Assoc. Mgr., Instrumentation Dept., Space Technology Labs., 5500 W. El Segundo Blvd., Hawthorne, Calif.
- TABER, MARGARET R. (S'55-M'59), Dev. Engr., Ohio Crankshaft Co., 3800 Harvard Ave., Cleveland 5, Ohio. TABER, RALPH F. (A'53), Exec. Engr., Taber Instrument Corp., North Tonawanda, N.Y.
- TABER, ROBERT N. (5'56-M'59), Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.
 TABISZ, SYLVESTER C. (5'4B-A'51-M'57), Sr. Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.
- Alberta, James G. (A'51-M'56-SM'57), Chief Engr., Industrial Div., Cubic Corp., 5575 Keamy Villa Rd., San Diego 10, Calif.
- DBSID Engr., Western Electric Co., 555 Union Blvd., Allertown, Pa.
- lentown, Pa.

 TABDR, JACK H. (A'54), Physician, Psychlatrist, 1143

 5 Ave., New York 2B, N.Y.

 1ABDR, LEWIS F. (SM'56), Tech. Dir., The Franklin Institute Labs. for Research & Development, 20 & Pkwy., Philadelphia 3, Pa.

 TABDR, ROY F. (M'58), Sr. Dev. Engr., Goodyear Aircraft Co., Goodyear, Ariz.

 TABDR, STANLEY A. (A'59), Instrumentation Technician, Pratt & Whitney, Middletown, Conn.

 TABDSKI, ANDREW F. (S'56-M'58), Electronics Engr., Fairchild Guided Missiles Div., Wyandanch, L.I., N.Y.

- TABSHY, SAMUEL J. (S'53-M'55), Test Engr., Tektronix, Inc., Box B31, Portland 1, Ore.
 TACHE, WARREN N. (M'5B), Lt. jg., USN, Asst. Electronics Maint. Training Officer, Fleet Airborne Electronic Training Unit Atlantic, Naval Air Sta., Norfolk 11, Va.
- ing Unit Atlantic, Naval Air Sta., Noriolk 11, Va.
 TACKEL, HERMAN W. (SM'56), V.P. & Secy., Federal
 Television Corp., 19-10 23 Ter., Astoria 5, L.I., N.Y.
 TACKES, GERALD G. (S'57-A'5B), Jr. Engr., John Oster
 Mfg. Co., 1 Main St., Racine, Wis.
 TACKETT, HENRY A. (A'53-SM'56), Dev. Engr., Continental
 Electronics Mfg. Co., 4212 S. Buckner, Dallas, Tex.
 TACKETT, RAYMOND W. (A'54-M'57), Engrg. Project Coordinator, Defense, Burroughs Corp., 6071 2nd Ave., Detroit,
 Mich.

- Mich.

 ACKETT, WALTER F. (SM'5B), Sr. Group Engr., Electron ic Engrg. Co. of California, 1601 E. Chestnut Ave., Santa Ana, Calif.

 ADO, SATOSHI T. (A'51), Engr., Martin Hearing Aid Co., 6031 N. Cicero Ave., Chicago 30, III.

 TADOKORO, VASUSHI (M'57), Research, Color TV, Tech. Research Lab., Broadcasting Corp. of Japan, Setagaya-ku, Tokyo, Japan.
- TAENZER, ERWIN (SM15B), Elec. Engr., RCA, Moorestown,
- IAENZER, ERWIN (SM'5B), Elec. Engr., RCA, Moorestown, N.J.

 TAFAPOLSKY, BERNARD (M'5B), Physicist, Gillette Safety Razor Co., Gillette Pk., Boston, Mass.

 TAFFEL, BENLAMIN R. (A'47-M'54), Electronics, Engr., USAF, Rome Air Development Center, Griffiss AFB, N.Y.

 TAFFET, MILTON S, (S'40-A'43-M'55), V.P. in Chg. of Engrg., Taffet Radio & Television Co., 27-05 Brooklyn-Queens Expressway, W., Woodside 77, L.I., N.Y.

 TAFFET, WALLACE (A'57), Owner-Partner & V.P. in Chg. Ornor, Taffet Radio & Television Co., 27-05 Brooklyn-Queens Expressway, W., Woodside 77, L.I., N.Y.

 TAFT, CLARENCE R. (SM'46), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 TAFT, DONALD R. (M'5B), Engr., Sperry Microwave Electronics Co., Box 182B, Clearwater, Fia.

 TAFT, EDWARD A., JR. (A'50), Communications Engr., Trodical Radio Telegraph Co., BO Federal, Boston 10, Mass.

- Tropic Mass.
- Mass.
 TAFT, ROBERT J. (A'5B), Foreman, Genl. Bronze Corp.,
 711 Stewart Ave., Garden City, L.I., N.Y.
 TAGGART, CHARLES E. (A'53-M'5B), Staff Mem., Genl.
 Precision Lab., 63 Bedford Rd., Pleasantville, N.Y.
 TAGGART, HAROLD E. (M'5B), Electronic Scientist, Natl.
 Bureau of Standards, Boulder, Colo.
- Bureau of Standards, Boulder, Colo.

 TAGGART, SAMUEL E. (M'46), Electronics Engr., FAA, Weir Cook Municipal Airport, Indianapolis, Ind.

 TAGLAUER, E., ROBERT (S'48-A'49-M'55), Sr. Engr., Martin Co., Orlando, Fla.

 TAGUCHI, TAKEO (A'5B), Hitachi, Ltd., 4, 1-Chome, Marunouchi, Tokyo, Japan.

 TAGUE, CHARLES B., JR. (S'50-A'51-M'56), Project Engr., Lansdale Tube Co., Lansdale, Pa.

 TAGUE, CHARLES B., JR. (S'50-A'51-M'56), Project Engr., Lansdale Tube Co., Lansdale, Pa.

 TAHAN, ESSAD N. (S'4B-A'50-SM'56), Engrg. Specialist, Applied Research Lab., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

- 54, Mass.
 TAHARA, GORO R. (A'51), Production Engr., Sierra Electronic Corp., 3885 Bohannon Dr., Menlo Park, Calif.
 TAHIRALI, GLENN W. (A'53-M'5B), Telecommunications Officer, RCAF, *1 Air Div., Hors., RCAF, CAPO 5052, Canadian Armed Forces, Europe.
- TAHL, JOHN E. (A'50), Asst. Sr. Engr., Aerojet Genl.
 Corp., Azusa, Calif.
 TAI, CHEN T. (S'44-A'4B-SM'51), Prof., Electronics,
 Instituto Tecnologico de Aeronautica, Sao Jose dos Campus,
 Sao Paulo, Brazil.
- AI, JOHN H. Y. (S'52-A'53-S'54-M'57), Sr. Staff Engr., Natl. Electronics Labs., 1713 Kalorama Rd., N.W., Wash-Ington, D.C.
- ington, D. C.
 TAIRA, WALTER C. (A'51-M'56), Sr. Elec. Engr., Melpar,
 Inc., 3000 Arlington Blvd., Falls Church, Va.
 TAISHOFF, JEROME (A'49-M'52), Pres., Mycalex Corp. of
 America, Mycalex Tube Socket Corp., Mycakex Electronics
 Corp., 30 Rockefeller Plaza, New York 20, N.Y.
- CORP., JU ROCKETEILET MIZZA, New York ZU, N.Y.
 TAISHOFF, SOL J. (A'43-SM'59), Pres., Editor & Publisher,
 Broadcasting Magazine, 1735 DeSales St., N.W., Washington 6, D.C.
 TAIT, JAMES S. R. (A'50), Prod. Engr., IBM United Kingdom,
 Ltd., Box 13, Spango Valley, Greenock, Scotland.
 TAIT, RICHARD B. (M'57), 2540-A N. 64 St., Milwaukee,
 13, Wis.

- 13, Wis.

 13, Wis.

 13, Wis.

 13, Wis.

 14, Wis.

 15, Wis.

 16, WilLiAM F. (A'59), Administration Coordinator, Ford Motor Co., 34 Exchange Pl., Jersey City, N.J.

 17, WILLIAM F. (S'47-A'49-SM'54), Tech. Staff, Thompson-Ramo-Wooldridge, Box 90534, Airport Sta., Los Angeles 45, Calif.

 17, KACH, ALBERT (S'50-M'56), Project Engr., Arma Div., American Bosch Arma Coro., Garden City, L.I., N.Y.

 17, TAKACS, STEVEN J. (A'53-M'57), Field Engr., Bendix Radio Div., Dept. 474, Owings Mills, Md.

 17, MADDA, SHOHEI (SM'57), Mgr., 3rd Dept., Central Research Lab., Hitachi, Ltd., Kokubunji, Kitatawa, Tokyo, Japan.
- Japan.

 Japan.

 TAKAHASHI, ARTHUR Y. (S'49-A'52-M'57), Electronics Engr., Norair Div., Northrop Corp., Hawthorne, Calif.

 TAKAHASHI, KIYOSHI (A'52), Elec. Engr., Technical Associates, 140 W. Providencia, Burbank, Calif.

 TAKAHASHI, MEGUMI (A'57), Chief, Aviation Ordnance Unit, Ordnance Sec., Tech. Div., Ominato-Regional Horrs., Maritime Self Defence Forces, Ominato-Machi, Aomori-Ken, Japan.

 TAKAHASHI, RYO (A 57), Engr., Radio Frequency Research Sect., Japan Broadcasting Corp., Tech. Research Labs., 361, Kinuta-Machi, Setagaya-ku, Tokyo, Japan.

- TAKAHASHI, SHIGERU (M'57), Chief of Circuitry Sect., Electrotechnical Lab., Japanese Govt., 2-1, Nagata-cho, Chivoda-ky, Tokyo, Japan.
- Chivoda-ky, Tokyo, Japan.

 TAK AKJIAN. JOHN S. (A'54), Field Engr., Burlingame Associates, 510 S. Fulton Ave., Mount Vemon, N.Y.

 TAKAMA, SHIGERU (A'54), Pres., Tokyo Dempa Co., Ltd., No. 5, 7 Chome, Nishiginza Chuo-ku, Tokyo, Japan.

 TAKASE, ROBERT H. (A'36-VA'39), Elec. Inspector, Bldg. Dept., C & C of Honolulu, Howaliu, Hawaii.

 TAKATA, MASAJI M. (A'57), Electronics Lab. Specialist, IBM, S. Monterey & Cottle, San Jose, Calif.

 TAKEDA, YUKIMATSU (SM'57), Chief, Semidonductor Dept., Electron Tube Industry Div., Nippon Electric Co., Ltd., Mita-Shikokumachi Minatoku, Tokyo, Japan.

- TAKENAKA, GEORGE (M'53), Project Engr., Interstate Electronics Coro..., 707 E. Vermont Ave., Anaheim, Calif.

 TAKENAKA, GEORGE (M'53), Project Engr., Interstate Electronics Coro..., 707 E. Vermont Ave., Anaheim, Calif.

 TAKEUCHI, HIKOTARO (SM'59), Kokusai Denshin Denwa Co..., 5 Ohtemachi 1 Chome. Chiyoda-Ku, Tokyo, Japan.

 TAKEUCHI, YOSHIRO (A'59), Nippon Electric Co., Ltd., 1753 Shimonumabe, Tamagawamukai, Kawasaki City, Japan.
- 1753 Shimonumabe, Tamagawamukai, Kawasaki City, Japan.

 TAKI, YASUO (M'56), Asst. Prof., Dept. of Elec. Engrg.,
 Univ. of Tokyo, Motofuji-cho, Bunkyo-ku, Tokyo, Jaoan.

 TAKIYAMA, KEI (M'5B), Prof., Engrg. Faculty, Doshisha
 Univ., Kamikyo-Ku, Kyoto, Japan.

 TALAMBIRAS, ROBERT P. (S'4B-A'51-M'56), Tech. Dir.,
 Eosco, Inc., 5BB Commonwealth Ave., Boston 15, Mass.

 TALAMINI, ARTHUR J. (A'42-SM'50), Dir., Engrg., Electro
 Tech. Corp., Snith Hackensack, N.J.

 TALANIAN, WILLIAM B. (A'56), Field Engr., Raytheon
 Mig. Co., Waltham, Mass.

 TALARCZYK, ANTHONY R. (A'5B), Engrg. Specialist,
 Remington Rand Univac., 2750 W. 7 Blvd., St. Paul
 16, Minn.

 TALASKI, CARL E. (S'56-M'5B). Project Fnor., Genl

- 16, Minn.
 TALASKI, CARL E. (S'56-M'5B), Project Engr., Genl.
 Motors Proving Grounds, Milford, Mich.
 TALBOT, GILMAN S. (M'56), Sr. Prod. Engr., Leeds &
 Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.
 TALBOT, JOHN J. (M'54), Design Supvr., NortronIcs Div.,
 Northrop Corp., Hawthome, Callf.
 TALBOT, RICHARD V. (A'54), Div. Head, Countermeasures
 Div., U.S. Naval Ordnance Lab., Corona, Callf.
 TALBOT, ROBERT D. (S'56-M'58), Elec. Engrg., Bell
 Aircraft Corp., Box 1, Buffalo 5, N.Y.
 TALBOT, RONALD R. (S'56-M'57), Datatron Service Engr.
- TALBOT, RONALD R. (S'56-A'57), Datatron Service Engr., Avco Research & Advanced Dev., 20 S. Union St., Lawrence,
- TALBOT, VINCENT R. (S'56-M'57), Tech. Dir., Ra TV & Film Dept., Marquette Univ., 625 N. 15 St., Milwaukee 3, Wis.
- TALBOR, WILL S. (A'50), Head, Comms. Sect., Corps of Engrgs., New Orleans District, Prytania St., New Orleans, La.
- TALOOT-JONES, ROMALD V, (A'38-M'46), Exec. Engr., Engr.-in-Chief's Office, Posts & Telegraphs, Dept., East Africa, Box 5B1, Nairobi, Kenya Colony, East Africa.

- Africa, Box 581, Nairobi, Kenya Colony, East Africa.

 TALBOTT, DOUGLAS C. (M'56), Field Engr. & Co. Rep., Collins Radio Co., Cedar Rapids, Jowa.

 TALBOTT, EDWARD P. (A'30-VA'39-SM'53), Chief Engr., KROD & KROD-TV, Tech. Supvr. Southwest Network, El Paso Times, Inc., 2201 Wyoming St., El Paso, Tex.

 TALCOTT, C. PLATT (M'52-SM'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 TALCOTT, JOHN W., JR. (S'56-M'5B), Electronics Engr., Diamond Ordnance Fuze Labs. Washination 25. D.C.

 TALCOTT, MIQUE S. (S'48-A'49-M'55), Design Engr., United Control Corp., 4540 Union Bay Pl., Seattle 5, Wash.

- Wash.

 TALEPOROS, APOLLO D. (M'55), Broadcast Engr., Video Tape Dept., CBS, 15 Vanderbilt Ave., New York 17, N.Y.

 TALISH, IRVING M. (M'57), Industrial Specialist, American Bosch Arma Coro., Garden City, L. I., N.Y.

 TALKIN, ALBERT I. (A'50-M'55), Electronic Scientist, Diamond Ordnance Fuze Labs., Washinoton 25, D. C.

 TALL, MAX M. (M'55), Project Myr., Missile & Surface Radar Dept., RCA, Moorestown, N.J.

 TALL, ROBERT E. (A'52-M'5B), Editor, Industrial Communications, 121D Natl. Press Bldu., Washinoton 4, D. C.

 TALLE, CHARLES A. (A'53-M'5B), Sales Liaison Engr., Pacific Semiconductors, Inc., 14520 Aviation Blvd., Lawndale, Calif.

 TALLERCO, ANTHONY (S'52-A'53), Lab. Flactorics
- TALLERICO, ANTHONY (S'52-A'53), Lab. Electronics Technician, Entron, Inc., 49D2 Lawrence St., Bladens-burg, Md.
- burg, Md.

 TALLEY, DAVID (A'35-SM'45), Radio Engr., Geni. Telephone Service Corp., 260 Madison Ave., New York 16, N.Y.

 TALLEY, RICHARD P. (S'58-M'59), Capt., Army Signal Corps, Washington 25, D.C.

 TALLEY, THOMAS J., III (M'44), Engr., AT&T Co., 195 Broadway, New York 7, N.Y.

 TALLEY, WILLIAM K. (S'51-A'53-M'5B), Engr., Electronic Systems, Inc., 105 Chauncy St., Boston, Mass.

- TALLMADGE, GENE E. (S'55-M'56), Sr. Project Engr., Levinthall Electronics Prods., Hanover St., Palo Alto, Calif.

- Calif.

 TALLMAN, CHARLES R. (\$'53-A'54), Dev. Engr. "A,"
 Aerojet Genl. Corp., Box 296, Azusa, Calif.

 TALLMAN, OLIVER G. (\$M'54), Dir., Tech. Services,
 Rome Air Development Center, Griffiss AFB, N.Y.

 TALLON, WILLIAM J. (A'55), Space Technology Labs.,
 Box 950D1, Los Angeles 45, Calif.

 TALMADGE, HARVEY G., JR. (M'56), Electronic Scientist,
 U.S. Naval Research Lab., Washington 25, D.C.

 TALMAGE, GORDON E. (A'49), Lt. Cmdr., USN, Electronics Officer, Naval Air Reserve Training Unit, Naval Air Sta.,
 Norfolk, Va.
- TALMAGE, Naval Air Reserve training Some Sofficer, Naval Asst. Chief Engr., Wiancko Engrg. Co., 255 N. Halstead, Pasadena B, Calif. TALPEY, RICHARD G, (S'40-A'42-M'44-SM'50), Mgr., Microwave Systems & Applications, RCA, Electron Tube Div., Harrison, N.J.
- UIV., Harrison, N.J.
 TALPEY, THOMAS E. (S'47-A'50-M'53), Mem. Tech.
 Staff, Bell Tel. Labs., Murray HIII, N.J.
 TAMAGI, TAMOTSU T. (M'56), Intermediate Engr., Canadian
 Marconi Co., Ltd., 2442 Trenton Ave., Montreal, P.Q.,
 Canada.

- Canada.

 TAMASI, ALBERT P. (S'55-A'55), 52-10B 79 St., Elmhurst 73, L.l., N.Y.

 TAMBLING, ROBERT L. (A'52-SM'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 TAME, JOHN S. (S'54-M'56), Electronics Engr., Clevite Ordnance, 540 E. 105, Cleveland B, Ohio.

 TAMIR, THEODOR (A'54-M'58), Sr. Research Fellow, Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y.
- AMIYA, YASUTOSIII (A'59), Mem. Staff, C. Itoh & Co., Ltd., 36 Honachi Z-Chome, Hlqashi-Ku, Osaka, Japan. TAMMINGA, ERNEST D. (A'5B), Staff Engr., Electronics Test Equipment, Hughes Aircraft Co., Box 555, Tucson,
- TAMOWSKI, HENRY J. (S'53-A'54), Telecommunications, RCAF, AF Hgrs.,Ottawa, Ont., Canada.

- TAMPICO, JOSEPH (SM'52), Dir., Research & Dev., Marguardt Aircraft Co., 2709 N. Garey Ave., Pomona
- CAMPLIN, GLEN R. (S'49-A'51-M'56), Principal Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio.
- TAMURA, LARRY T. (A'52), Service Mgr., Associated Sales, Ltd. (DuMont T.V. Distr.), 812 Kapiolani Blvd., Honolulu, Hawaii.
- Honolulu, Hawaii.

 TAMURA, YOSHIAKI (A'53-M'58), Sr. Research Engr.,
 Convair, 3302 Pacific Hwy.. San Diego 12, Calff.

 TAN, KEAN H. (M'46), Mng. Dir., Service & Maint., Hai
 Hin, Ld., 45 Leith St., Penang, Malaya.

 TAN, YANG S. (S'49-A'52-M'57), Chief Engr., Edward
 Eu & Co., 1 Orchard Rd. Singapore 9, Malaya.

 TANABE, YOSHITOSHI (A'52-SM'58), Chief, Tech.
 Research Lab., N. H. K. Kamatacho Setaga Yaku, Tokyo,
 Japan.

- Japan.

 TANAKA , GEORGE J. (A'54), Elec. Engr., San Francisco
 Naval Shipyard , San Francisco 24 , Calif.

 TANAKA , ISOKAZU (A'57), Dir., Koden Electronics Co.,
 Ltd., 284 Chiojiamaru , Shinagawa-Ku., Tokyo. Japan.

 TANAKA , RICHARD T. (S'51-A'52-S'56-M'59), Research
 Scientist, Lockheed Missile & Space Div., Palo Alto, Calif.

 TANAKA , TET\$URO (M'58-SM'58), Prof., Electronics
 Institute for Chemical Research, Kyoto Univ., Yoshida,
 Kyoto, Japan.

 TANAKA , YONEJI (A'56), Prof., Elec. Engrg. Dept., Faculty, Engrg., Osaka-City Univ., 12 Nishi-Ooglmachi, KitaKu, Osaka, Japan.

- Ku, Usaka, Japan.

 TANANA, EMIL J. (S'47-A'49-M'55), Sect. Chief,
 Western Electric Co., Chicago Center, 401 N. Wabash,
 Chicago 11, III.

 TANASECU, TUDDR A. (SM'56), Prof. In Chg., Electronic
 Tubes & Industrial Electronics, Polytechnic Institute,
 Bucharest; Asst. Dir., The Institute of Atomic Physics, Bucharest, Romania.

- Bucharest, Romania.

 TANCK, HENRY (A'26-VA'39-M'55), Asst. Design Supt., RCA, 66 Broad St., New York 4, N.Y.

 TANCRELL, ROGER H. (S'56-M'59), Research Engr., MIT Lincoln Lab., Lexington, Mass.

 TANDAN, RAM K. (A'40-M'49), Sr. Scientific Officer, Natl. Physical Lab. of India, New Delhi, India.

 TANDAN, SARAN P. (S'49-A'51-M'56), Research Engr., L. M. Ericcson, Stockholm 32, Sweden, TANDAN, SCHANDAN, SCHANDAN, SCHANDAN, SCHANDAN, SCHANDAN, FICKSON, STOCKHOLM ST. SCIENTIST, AIR FOrce Cambridge Research Center, Hanscom Field, Bedford, Mass.

 TANDY, AST P. (M'55), PrIncipal, Shri A. V. Parekh
- TANEJA, SAT P. (M'55), Principal, Shri A. V. Parekh Technical institute (Govt), Rajkot, Saurashtra, India. TANENBAUM, MORTON S. (S'48-A'50-M'55-SM'56), Engro. Sect. Head. Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- TANENHAUS, ABRAHAM M. (M'51-SM'57), Sr. System Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., A 15, Ohio.
- 1>, Ohio.

 TANG, ARTHUR Y. C. (A'57), Gen. Marr., Tang Industries, Inc., 49 Jones Rd., Waltham 54, Mass.

 TANG, DOUGLAS D. (S'56-A'57), Engr., Lindsay Antenna & Specialty Prods., Ltd., 11 Wellington St., Lindsay, Ont., Canada.
- TANG, RAYMOND (S'55-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. TANGNEY, JAMES F. (S'55-M'56), Elec. Engr., Sylvania Microwave Tube Lab., 500 Evelyn Ave., Moutain View, Calif.

- Calif.

 TANGREDI, GABRIEL F. (M'57), Design Engr., Hazeltine Electronics Div., 59-25 Little Neck Pkwy., Little Neck, L.I., N.Y.

 TANGUAY, ARMAND R. (S'49-A'51-SM'56), Head, Systems Research Dept., Radiation, Inc., Box 6904, Drlando, Fla. TANGUAY, GEDRGE R. (S'57-M'59), Electronics Engr., Vitro Labs., 200 Pleasant Valley Way, West Orange, N.J.

 TANGUY, DENIS R. (M'50), Head, Elec. Engrg. Dept., Schlumberger Well Surveying Corp., 5000 Gulf Freeway, Houston, Tex.

 TANGVIK, SVEIN (M'56), Lab. Engr., Stentor Radlofabrikk.

- Houston, Tex.

 TANGVIK, SVEIN (M'56), Lab. Engr., Stentor Radiofabrikk, A/S Innherredsveien 7, Trondheim, Norway.

 TANHAUSER, ALBERT J. (S'56-M'59), Asst. Electronics Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 TANIELIAN, GEORGE (A'53-M'58), Systems Engr., Hudhes Alicraft Co., Culver City, Calif.

 TANIGAWA, GEORGE T. (S'48-A'49-M'55), Engr., Test Equipment Design, GE Co., 100 Plastics Ave., Pittsfield, Mass.
- MASS.
 TANIGAWA, NOBUO F. (A'50-M'55), Electronics Engr.,
 CAA, 6th Reglon, Box 4009, Honolulu, Hawaii.
 TANIGUCHI, FUSAO (M'54), Research Sect. Head, Matsushita Electric Industry Co., Ltd., Central Lab., Kadoma,
 Kitakawachigun, Osaka, Japan.
- All Mura, ISAO (A '52), Prof., Univ. of Electro-Communications, 14 Kosima-cho, Chofu-Shi, Tokyo-to, Japan.

 TANK, FRANZ (A'31-F'49), Prof., Swiss Federal Institute of Technology, Institut fur Hochfrequenztechnik, Sternwartstr, 7, Zurich 6, Switzerland.
- TANK, HERBERT F. (A'37-VA'39), Chief Transmitter Engr., WWJ, WWF-TV, WWF-FM, 615 W. Lafayette Blvd., Detroit 31, Mich.

 TANKE, HAROLD F. (A'38-VA'39-SM'58), Electronics Engr., FAA, 5651 W. Manchester Ave., Los Angeles 45, Calif.

- Calif.

 TANNENBAUM, DANIEL A. (A'54-M'55), Design Dey, Engr., RCA Victor, Camden, N.J.

 TANNEBAUM, MEYER (M'55), Research Engr., Lockheed Missile Systems Div., Palo Alto, Calif.

 TANNER, DE LOSS J. (A'57), Electronics Engr., Admiral Corp., 3800 Cortland, Chicago 47, III.

 TANNER, EDMUND C. (M'58), Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 TANNER, JOHN E., JR. (S'56-M'57), Engr., Ashland Oil & Refining Co., 1409 Winchester Ave., Ashland, Ky.

 TANNER, ROBERT H. (A'38-SM'48-F'58), Mgr., Electronics Dev., Northern Electric Co., Ltd, Box 400, Belleville, Ont., Canada.
- TANNER, ROBERT L. (S'51-A'52-SM'56), Head, Antenna Research Group, Stanford Research Institute, Menlo Park, Calif.
- TANNER, THOMAS B. (S'51-A'53-M'58), Elec. Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

- TANNER, WALTER E. (A'50-M'55), Sr. Electronics RCA Missile Electronics & Controls Dept., Box 588, Burlington, Mass.
- Burlington, Mass.

 TANNER, WILLIAM O., JR. (M'56), Regional Sales Engr., Landsdale Tube Co., 3875 Fabian Way, Palo Alto, Calif.

 TANNEY, RDBERT B. (S'55-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck L.I., N.Y.

 TANSEL, DAVE C. (M'56), Lt. Col., USAF, Box 195, Hgrs. 5th AF, APO 925, San Francisco, Calif.

 TANT, VERNE E. (SM'58), Research & Dev., Dept. of Defence Production, 70 Lyon St., Ottawa, Ont., Canada.

 TANTON, JAMES E. (S'57-A'57), TechRep. Field Engr., Philo Corp. of Canada, Don Mills Rd., Don Mills, Ont., Canada.

- Carlada.

 TANTRAPORN, VIRA (A'57-M'58), Maj., Royal Thai Air Force, Directorate of Communications, Don Muang AFB, Bangkok, Thailand.
- Dangkok, Fhailand.

 TANTZEN, ROBERT F. (A'53-M'59), Instrumentation Engr., Air Force Missile Development Center, Holloman AFB, N.M.

 TANZMAN, HERBERT D. (A'52-M'59), Project Engr., U.S. Amy Signal Research & Development Lab., Ft. Monmouth, N.J.
- TAPERNOUX, PIERRE J. (S'47-A'50-SM'58), Resigner, Stromberg-Carlson Co., 1400 N. Goodman Schester 9, N.Y.

- Eigr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 TAPLIN, LAEL B. (A'53-M'58), Project Engr., Bendix Aviation Corp., Detroit, Mich.
 TAPLIN, RONALD H. (M'56), Sr. Project Engr., ITT Labs., Nutley 10, N.J.
 TAPLINZ, JOEL H. (S'57-M'59), Elec. Engr., Avien, Inc., 58-15 Northern Blvd., Woodside 77, L.I., N.Y.
 TAPP, JAYE. (A'35-M'45), Co-Owner, T&T Radio Measurements Co., 2557 Atlantic Ave., Long Beach 6, Calif.
 TAPP, NELSON P. (A'57), Mech. Engr., Clevite Electronic Components, Bedford, Ohio.
 TAPPAN, PETER W. (M'56), Sr. Research Engr., Warwick Mig. Corp., Research Dept., 7300 N. Lehigh Ave., Chicago 48, III.
- TARGIN, SAUL (M'54), Chief, Electronic Control & Guidance Div., Dev. & Proof Services, U.S. Army Ordnance Dept., Aberdeen Proving Ground, Md.
- Aberdeen Proving Ground, Md.

 TARALESHKOV, BASIL M. (M'58), Instr., Devry Technical Institute, 626 Roselawn Ave., Toronto, Ont., Canada.

 TARANTINO, THOMAS C. (S'54-M'57), Subcontracting Engr., Sperry Gyroscope Co., Lake Success, L.I., N.Y.

 TARANTUR, SAM (A'44-M'55), Engr., Admiral Corp., 3800 W. Cortland St., Chicago 47, III.

 TARAS, STANLEY M. (A'57), Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 TARBUTTON, JAMES S. (SM'56), Assoc. Prof., Elec. Engr., Louisiana Polytechnic Institute, Ruston, La.

 TARCA, EDWARD L. (4'51-M'58), Electronics Engr., Rheem

- Engra, Louisiana Polytechnic Institute, Ruston, La.
 ARCA, EDWARD L. (4/51-M/58), Electronics Engr., Rheem
 Mfg. Co., 7777 Industry Ave., Rivera, Calif.
 ARCHINI, GIUSEPPE P. (4/57), Dev. Engr., Ing. C. Olivetti
 & C., Via Parlamento 33 Borgolombardo, Milano, Italy.
 ARDIFF, ROGER J. (5/53-M/56), Sr. Design Engr., Convair, Ft. Worth, Tex.
- TAREN, WILLIAM J. (S'57-M'59), Elec. Engr., I8M, Pough-
- IANEN, WILLIAM J. (5'57-M'59), Elec. Engr., I8M, Pough-keepsie, N.Y.

 TARG, RUSSELL (M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 TAROT, ALFRED (A'53), Research & Dev. Specialist, Mi-cronics Div., Zenith Plastics Co., Box 91, Gardena, Calif. TARPINIAN, HAIG D. (A'56), Dev. Engr., U.S. Rubber Co., Detroit, Mich.
- Derort, MGN.

 TARPLEY, MARVIN W. (A'49-M'55), Instrument Engr., E.I.

 DuPont de Nemours & Co., Savannah River Plant, Aiken, S.C.

 TARPLEY, RAYMOND E. (A'30-VA'39-SM'55), Sr. Research

 Scientist, Leeds & Northrup Co., 49D1 Stenton Ave., Phila
 delphia, 44, Pa.
- oeipnia, 44, Pa.
 TARRANT, SA MUEL R. (A¹53), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N.J.
 TARRANTS, GEME (A¹50-M¹55-SM¹5B), Electronics Scientist, Chief Inductor Sect., Wright Air Development Center,
 USAF Electronic Components Lab., Wright-Patterson AFB,
- Unio.
 TARRODAYCHIK, PAUL (A'40-M'52-SM'54), Sr. Video Engr., Ampex Corp., 934 Charter St., Redwood City, Calif. TARTANIAN, CHARLES N. (S'57-M'59), Elec. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

- N.Y.
 TARVER, ADRIEN L. (M'55), Research Engr., Aviation Electronics, Inc., 1026 N. Mosfey, Wichita 5, Kan.
 TARY, JOHN J. (I'43-A'43-M'54), Electronics Engr., Natl. Bureau of Standards, Boulder, Col.
 TARZIAN, SARKES (A'42-SM'47), Pres., Sarkes Tarzian, Inc., Hillside Dr., Bloominqton, Ind.
 TARZIAN, VERAGE (S'39-A'41), Genl. Mgr., Sarkes Tarzian, Inc., 7300 Crescent Blvd., Pennsauken, N.J.
 TASAKA, TOSHIO (S'50-A'52-M'58), Project Engr., Electronics, Navy Dept., Bureau of Ordnance, 17 St. & Constitution Ave., Washington 6, D.C.
 TASCH, ANDREW (A'53-M'58), Research Physicist, Natl. tion Ave., Washington 6, D.C.

 TASCH, ANDREW (A'53-M'58), Research Physicist, Natl. Carbon Research Labs., Cleveland 1, Ohio.

 TASHIRO, SATORU (S'54-M'58), Assoc. Engr., 8oeing Airplanc Co., Seattle, Wash.

 TASHJIAN, ALBERT L. (S'54-M'56), Engr., W.L. Maxson Corp., 46 OW, 34 St., New York, N.Y.

 TASHJIAN, DAVID R. (SM'48), Engrg. Mgr., Electronics Div., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

- Md.

 TASHINI, BETSALEL (S'55-M'57), Computer Engr., Shell Development Co., 3737 Bellaire Blvd., Houston, Tex.

 TASKER, HOMER G. (SM'58), Tasker Instruments Corp., 3349 Cahuenga Blvd., Hollywood 28, Calif.

 TASKER, RAYMOND B., (S'48-A'50-M'55-SM'57), V.P., Engra. & Research, Tasker Instruments, 3349 Cahuenga Blvd., Hollywood 28, Calif.

 TASKETT, DAVID A. (S'48-A'50-M'55), Computer Sales Mor., Donner Scientific Co., 888 Galindo, Concord, Calif.

 TASSI, DARIO M. (A'55), Service Engr., Radio & TV Receivers, Exclusive Rep. in Italy for Capehart-Famsworth Co., Via S. Luca 4/9, Genoa, Italy.

 TASSINARI, SILVIO P. (A'52-M'57), Finer. Raythen Mfg.
- TASSINARI, SILVIO P. (A'52-M'57), Engr., Raytheon Mfg. Co., Andover, Mass. TATE, HAROLD J. (S'48-A'50-M'53), Dept. Mgr., Burroughs Research Center, Paoli, Pa.
- TATE, JAMES P., JR. (A'55), Chief Tech. Editor, Natl. Radio Institute, 3939 Wisconsin Ave., N.W., Washingto 16, D.C.

- TATE, JOHN A. (S'50-A'51-SM'57), Research Engr., Boeing Airplane Co., Seattle, Wash. TATE, JOSEPH B. (M'46), Mgr., Military Electronic Div., Southwestern Industrial Electronic Co., 10201 Wertheimer, Houston, Tex.
- TATE, RAYMOND G. (M'59), Computer Test Engr., IBM, Endicott, N.Y.
- TATE, RAYMOND.G. (M'59), Computer Test Engr., IBM, Endicott, N.Y.

 TATE, RAYMOND T. (M'56), Dept. of Defense, U.S. Govt., 3B01 Nebraska Ave., Washington 25, D.C.

 TATE, WILLARD R. (S'48-A'51-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 TATEISHI, GEORGE (S'57-M'58), Engr. "C", 4501 Admiral Way, Seattle 16, Wash.

 TATEISH, AZUMA I. (M'58), 10 T suchido-Cho, Ukyoku, Kyoto, Kyoto Uzumasa, Japan.

- TATEOKA, HIROSHI (5:57-M*9), Assoc. Engr., Douglas Aircraft Corp., El Segundo, Calif. TATES, ROBERT (M*59), Sr. Engr., Martin Co., Baltimore 3, Md.
- 75, Mo. TATLOCK, JOHN F. (A'56), Mgr., Research & Dev. Planning, Northern Electric Co., 1600 Dorchester St., Montreal, P.Q., Canada.

- P.O., Canada.

 TATOM, JAMES R. (M'58), Assoc. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 TATSUGAWA, SHOSI (S'55-M'5B), Elec. Engr., No. Amer. Aviation, Los Angeles 45, Calif.

 TATSUGCHH, ISAMU (S'52-A'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 TATUM FINLEY W. (4'34-SM'47), Chmn., Dept. of Elec. Engr., Southern Methodist Univ., Dallas 5, Tex.

 TATUM, FINLEY W. (4'34-SM'47), Chmn., Dept. of Corp., 1700 Main St., Santa Monica, Calif.

 TATUM, JOHN G. (S'54-M'58), Research & Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

- Call.
 TATZ, ABRAHAM (SM'51), Engr., Airborne Instruments
 Lab., 160 Old Country Rd., Mineola, L.I., N.Y.
 TAU, JOHN C. (A'53), Designer, Sierra Electronics Corp.,
 3B85 Bohannon Dr., Menlo Park, Calif.
 TAUB, HERBERT (A'53-M'59), Assoc. Prof., Dept. of Elec.
 Engrg., The City College of New York, Convent Ave. & 139
 St., New York 31, N.Y.

- Engrg., The City College of New York, Convent Ave. & 139 St., New York 31, N. Y.

 TAUB, JESSE J. (S'48-M'55), Sect. Head, Airborne Instrument Lab., Mineola, L.I., N. Y.

 TAUB, SAUL (S'50-A'51-M'56), Project Engr., IBM, Owego, N. Y.

 TAUBE, ROBERT W. (M'54), Sales Engr., Perlmuth Electronic Associates, 5057 W. Washington Blvd., Los Angeles 16, Calif.

 TAUCER, CHARLES W. (M'58), Asst., Dir., Communications, Electronics, Hors. TUSLOG, APO 254, New York, N. Y.

 TAUCHERT, LEDNARD C. (S'57-M'58), Electronics Engr., Univ. of Southern California, Box 1001, Oxnard, Calif. TAUS, HERBERT G. (S'54-M'56), Dev. Engr., GE Co., X-Ray Dept., 4855 W. Electric Ave., Milwaukee 1, Wis. TAUSSIG, NOAH W. (S'58-M'59), Research Engr., Applied Electronics Lab., Stanford Univ., Stanford, Calif. TAVELLA, ROGER P. (A'56), Sr. Lab. Technician, Dictaphone Corp., 375 Howard Ave., Bridgeport, Conn.

 TAVERNIA, GLENN B. (A'57), Engrq. Aide, Bendix Adviation Corp., 11600 Sheman Way, North Hollywood, Calif.

 TAVERNIER, GUY C. (M'49), Mgr., Societe Belgonucleaire, Rue Des Colonies 31, Brussels, Belgium.

 TAVIDIAN, EDWARD (M'57), Pres. & Sales Mgr., Redman Electronics Corp.

- TAVIDIAN, EDWARD (M'57), Pres. & Sales Mgr., Redman Electronics Corp., Thomasonville, Conn.

- Rue Des Colonies 31, Brussers, Derguum.
 TAVIDIAM, EDWARD (M'57), Pres. & Sales Mgr., Redman Electronics Corp., Thomasonville, Conn.
 TAVNER, BRUCE H. (S'57-A'57), 41 Ashbury Ave., Toronto 10, Ont., Canada.
 TAWNEY, GERELD L. (A'41-SM'45), Pres., Penn-East Engrg. Corp., Box 240, Kutztown, Pa.
 TAYLOR, A. HOYT (M'16-F'20XL), Retired, 691, W.
 12 St., Claremont, Calif.
 TAYLOR, ADRIAN D. (A'53), Design Engr., Gilfillan Bros.,
 1815 W. Venice 81vd., Los Angeles 6, Calif.
 TAYLOR, ANRIAN D. (A'53), Chief, Middletown Det.,
 MAAMA, USAF, 56 Lyons St., Ottawa, Ont., Canada.
 TAYLOR, ALBERT D. (A'49), Sub., Engrg. Shops, Shell
 Development Co., 3737 Bellaire Blvd., Houston 25, Tex.
 TAYLOR, ALBERT H. (SM'54), Research Lab., Technical
 Majazines, Read Island, B.C., Canada.
 TAYLOR, ALLAIN K. (A'48-M'56), Chief Engr., CKEY,
 1262 Don Mills Rd., Toronto, Ont., Canada.
 TAYLOR, ALLAIN K. (A'48-M'56), Chief Engr., Standard
 Electronics Co., 285 Emmet St., Newark 5, N.J.
 TAYLOR, ALVIN (M'57), Dev. Engr., Polorad Electronics,
 43-20 34 St., Long Island City, N.Y.
 TAYLOR, ARCHER S. (M'45-SM'59), Consulting Broadcasting Engr., Box 1479, Missoula, Mont.
 TAYLOR, CECIL I., (M'59), Asst. Project Engr., Burroughs
 Corp., 14300 Tireman, Detroit, Mich.
 TAYLOR, CECIL K. (S'50-A'53-M'57), Mem. Tech. Staff,
 Hughes Aircraft Co., Tucson, Ariz.
 TAYLOR, CAHALES A. (S'49-A'50-M'56), Sr. Electronics
 Engr., Convair, Pomona, Calif.
 TAYLOR, CHARLES A. (S'49-A'50-M'56), Sr. Electronics

- Ligr., Convar, Pomona, Call.

 AYLOR, CHARLES A. (SM'55), Mgr., Projects Dept.,
 B:moughs Corp., Paoli, Pa.

 AYLOR, CHARLES C. (M'45), Retired, Box 143-B,
 Rte. 1, Friday Harbor, Wash.

 AYLOR, CHARLES H. (M'13-F'15XL), Retired, 390

 Riverside Dr., New York 25, N.Y.

- Riverside Dr., New York 25, N.Y.
 AYLOR, CHARLES J. (M'57), Dev. Engr., Westinghouse Elec. Corp., Baltimore 3, Md.
 TAYLOR, CHARLES L. (S'51-A'52-M'55-SM'58), Application Engr., Receiving Tube Div., GE Co., Owensboro, Ky.
 TAYLOR, CLARENCE D. (S'55-M'56), Engr., Western Electric Co., 220 Church St., New York 13, N.Y.
- Electric Co., 220 Church St., New York 13, N.Y.
 TAYLOR, CLARENCE E. (M'58), Subry. Maint. Engr.,
 USAF, Dayton Air Force Depot, Dayton, Ohio.
 TAYLOR, DANIEL R. (M'57), Chief Engr., Varo Mfg. Co.,
 Inc., 2201 Walnut St., Garland, Tex.
 TAYLOR, DAVID M. (A'52-M'58), Engr. (TV), RCA,
 Camden, N.J.
- TAYLOR, DONALD (M'58), Sr. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md. TAYLOR, DONALD F. (M'59), Sales Service Rep., Canadian Genl. Electric Co., Ltd., Winnipeg, Man., Canada. TAYLOR, DONALD H. J. (A'43-M'55), Sr. Engr., A.T. & E. (Bridgnorth) Ltd., Hospital St., Bridgnorth, Shropshire,
 - (Bridgnor England, TAYLOR, DONALD L. (S'50-A'51-M'56), Chief Engr., Ross Mfg. Co., 860 Washington St., Burlington, Jowa,

- IAYLOR, DUNALD R. (A'57-M'5B), Chief Engr., KOLN-TV, 40 & W St., Lincoln, Neb.

 TAYLOR, DUNALD R. (M'59), Technician, Sylvania Elec. Prods., Inc., 700 Ellicott St., Batavia, N.Y.

 TAYLOR, DUNALD S. (M'56), Nuclear Engr. (Elec. Systems), Combustion Engr., Inc., Windsor, Conn.

 TAYLOR, DUNANE H. (M'55), Elec. Engr., GE Co., 735
 State St., Santa Barbara, Calif.

 TAYLOR, E. KENNETH (M'56), Elec. Engr. & Communications Coordinator, Los Angeles County Road Dept., 10B W.
 2nd St., Los Angeles 12, Calif.

 TAYLOR, EARL D. (S'50-A'51-M'58), Project Engr., AC Spark Plug Div., 1925 E. Kenilworth Pl., Milwaukee, Wis. Wis.
- WIS.
 TAYLOR, EDMUND R. (A'22-VA'39-M'55), Tech. Staff,
 Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.
 TAYLOR, EDMUND R., JR. (S'54-A'54), Electronics Supvr.,
 Nevis Cyclotron Lab., Irvington-on-Hudson, N.Y.
- News Cyclotron Lao., IrVington-on-Hudson, N.Y.
 TAYLOR, EDWARD W. (M'56), Retired, 935 S. 12 St.,
 Allentown, Pa.
 TAYLOR EDWIN D. (A'51-M'56), Research & Engrg.,
 Eitel-McCullough, Inc., 79B San Mateo, San Bruno,
 Calif.
- TAYLOR, EDWIN L. (S'55-M'56), Lt., Telecommunications Officer, RCEME, Canadian Army Regular. Home: Pononka, Officer, RCEMI Alta., Canada.
- Alta., Canada.

 TAYLOR, ELMER N. (S'56-M'5/), Elec. Engr., Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.

 TAYLOR, EUGENE H. (A'55), Elec. Design Engr., Bendix
 Aviation Corp., 11600 Sherman Way, North Hollywood,
 Calif.
- TAYLOR, EUSTACE H. (A'41-M'47-SM'55), Mgr., Prod. & Market Dev., Du Kane Corp., St. Charles, III. TAYLOR, EZMA C. (A'55), 1B6 Godwin Ave., Ridgewood,

- TAYLOR, FRANK F. (S'54-M'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 TAYLOR, FRANK H. (M'55), Asst. Engr., Wisconsin Telephone Co., 740 N. Broadway, Milwaukee 2, Wis.
 TAYLOR, FRANK W. (A'43-M'49), Pres., Frank W. Taylor Co., Inc., 4505 E. Genesee St., De Witt 14, N.Y.
 TAYLOR, FRANKLIN E. (A'46-M'56), Engr.-In-Chg., Sylvanía Elec. Prods., Inc., 1100 Wehrle Dr., Amherst, N.Y.
- TAYLOR, FRANKLIN N. (M'57), Computer Programmer, Systems Development Corp., 2500 Colorado Ave., Santa Monica, Calif.
- Moritica, Latif.

 TAYLOR, FRANKLIN V. (SM'57), Head, Engrg. Psychology
 Branch, U.S. Naval Research Lab., Washington 25, D.C.

 TAYLOR, GEORGE P. (M'53), Mgr., Elec. Engrg.,
 Electronics Div., Erie Resistor Corp., 644 W. 12 St.,
 Erie, Pa.
- TAYLOR, GERALD O. (A'44-M'4B-SM'54), Chief Component Engr., Crosley Div., Avco Mfg. Corp., 2630 Glendale-Milford Rd., Cincinnati 15, Ohio.
- TAYLOR, GLENN R. (A'57), Engr., GE Co., Richland,
- Wash.

 TAYLOR, HAROLD A. (A'37-VA'39-SM'4B), Engr.-in-Chg.,
 RCA Communications, Inc., Rocky Point, L.I., N.Y.

 TAYLOR, HARRY E. (S'55-M'5B), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.

 TAYLOR, HENRY, JR. (S'55-A'56), Chief Telemetry
 Technician, RCA Service Co., Patrick AFB, Fia.

 TAYLOR, HENRY M. (A'56), Mgr. Milltary Mktg.,
 Electronics Div., Stromberg-Carlson Co., 1400 N. Goodman,
 Rochester 3, N.Y.

- KOCHESEE 3, N.Y.
 TAYLOR, HOLMES W. (M'52), Dept. Mgr., Burroughs
 Corp., Paoll, Pa.
 TAYLOR, HOWARD V. (M'56), Supvr., Engrg. & Maint.,
 Telecomputing Corp., White Sands Proving Grounds, N.M.
 TAYLOR, HUGH M., JR. (S'46-A'47-M'55), Electronics
 Engr., Army Ballistic Missile Agency, Redstone Arsenal,
 Ala.
- Ala.

 TAYLOR, HUGH P. (S'49-A'51-M'56), Engr., Raytheon Mfg. Co., Bedford, Mass.

 TAYLOR, IRVING R. (A'44-M'51), Electronics Engr., Harron Labs., 42-10 220 St., Bayside 61, L.I., N.Y.

 TAYLOR, JACK E. (M'55), Research Assoc., GE Research Lab., The Knolls, Schenectady, N.Y.

 TAYLOR, JACK M. (M'56), Tech. Engr., GE Co., Syracuse,
- TAYLOR, JAMES C. (M'52), Communications, Florida Power
- IAYLOR, JAMES C. (M'52), Communications, Florida rower & Light Co., Sanford, Fla.

 TAYLOR, JAMES C. (M'57), Sr. Applications Engr., CBS-Hytron, 100 Endicot St., Danvers, Mass.

 TAYLOR, JAMES G. (S'56-M'58), Sr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 TAYLOR, JAMES I., JR. (M'58), 306 Cooper St., Camden

- 2, N. J.

 TAYLOR, JAMES J. (A'57), Sr. Accountant, Components
 Labs., Sylvania Elec. Prods., Inc., 500 Evelyn Ave.,
 Mountain View, Calif.

 TAYLOR, JAMES K., JR. (M'55), Project Engr., Bell
 Sound Div., Thompson-Ramo-Wooldridge, Inc., 555
 Marion Rd., Columbus 7, Ohio.

 TAYLOR, JAMES M. (A'54), Sr. Engr., IBM Prod.
 Development Lab., 99 Notre Dame St., San Jose, Calif.
 TAYLOR, JAMES R. (A'53), Electronics Engr., GE Co.,
 Peninsula Plant, St. Petersburg, Fla.

 TAYLOR, JAMES S. (M'57), Engr., Western Electric Co.,
 Baltimore, Md.
- Baltimore, Md.
- Baltimore, Md.

 TAYLOR, JAVIN M. (M'57), Fleld Engr., Hughes Aircraft
 Co., Culver City, Calif.

 TAYLOR, JEFFERSON H. (A'55-M'58), Engrg. & Test
 Equipment Design, Texas Instruments, Inc., Box 312,
 Dallas 21, Tex.
- TAYLOR, JOHN (S'50-A'51-M'56-SM'57), Head, Antenna Design Dept., Columbia Prods. Co., 6625 Shakespeare Rd., Columbia, S.C.
- Columbia, S. C.

 TAYLOR, JOHN C. (M'57), Elec. Engr., Hughes Alrcraft
 Co., Culver City, Calif.

 TAYLOR, JOHN H. (A'44-SM'46), Chlef Engr., Communications & Navigation Lab., Bendix Radio Div., Towson 4, Md.
 TAYLOR, JOHN J. (A'44-M'53), Engr., CBS KMOX TV,
 1215 Cole St., St. Louis 6, Mo.
 TAYLOR, JOHN M., SR. (M'45), Project Engr., RCA
 Missile & Surface Radar Dept., Moorestown, N.J.
 TAYLOR, JOHN P. (A'29), Advertising Mgr., Engrg Prods.
 Dept., RCA, Camden, N.J.

- TAYLOR, JOHN R. (S'52-A'53), Engr., Missile & Surface Radar Div., RCA Defense Electronic Prods., Camden 2,
- TAYLOR, JOHN R. (S'50-A'50-M'56), Prod. Design Engr., Remington Rand Univac, 19 & Allegheny Ave., Philadelphia

- 32, Pa.
 TAYLOR, JOHN W. (A'57), Owner, Transcom Research
 & Development Labs., Box 2B3, Manahawkin, N.J.
 TAYLOR, JORDAN M. (S'50-A'52-M'57), 45 Kew Gardens
 Rd., Kew Gardens 15, L.I., N.Y.
 TAYLOR, KENNETH A. (M'46), Engr., Countermeasures
 Dept., Raytheon Mfg. Co., Waltham 54, Mass.
 TAYLOR, KENNETH A. (A'46-M'55), Asst. Supt., Communications Engrg., Western Electric Co., 220 Church St.,
 New York 13, N.Y.
- TAYLOR, KENNETH A. (S'54-M'57), Lt., 707 AC&W Sqdn., Grand Rapids, Minn.
 TAYLOR, KENNETH J. (A'51), Electronics Technician, Bendix Aviation Corp., Research Lab., Box 5115, Detroit 3, Mich.
- TAYLOR, LAURENS A. (A'24-VA'39-M'55), Engr., GE Co., Schenectady 5, N.Y.

- Co., Schenectady 5, N. Y.
 TAYLOR, LEIGH A. (SM'57), Chief Industrial Engr., Electro-Voice Corp., Buchanan, Mich.
 TAYLOR, LEONARD C. (5'56-A'57), Customer Engr., IBM, 60B S. Washington, Lansing 6, Mich.
 TAYLOR, LEONARD S. (A'54-M'56), Chief, Telemetry Research, Range Instrumentation Dev. Div., White Sands Proving Grounds, N. M.
- Search, Range instrumentation Dev. Dr., Vinne Sands
 Proving Grounds, N. M.

 TAYLOR, LOUIS L. (S'51-A'52-M'56-SM'5B), Tech.
 Staff Asst, to Chief Engr., Melpar, Inc., 3000 Arlington
 Blvd., Falls Church, Va.

 TAYLDR, LYLE A. (S'50-A'51-M'56), Design Engr.,
 Aerojet Genl. Corp., 6352 S. Irwindale Ave., Azusa, Calif.

 TAYLOR, LYLE H. (M'5B), Rid-Telemetry, White Sands
 Missile Range, N. M.

 TAYLOR, MALCOLM (S'36-A'3B-VA'39-M'55), Systems
 Engr., Bendix Radio Div., Towson 4, Md.

 TAYLOR, MARTIN L. (M'54-SM'59), Reliability Engr.,
 RCA, Moorestown, N. J.
 TAYLOR, MAURICE E. (S'53-M'56), Geophyscist, Gulf Research & Development Co., Pittsburgh 30, Pa.
 TAYLOR, MAURICE E. (S'54-M'56), Head, Research Dept.,
 Electronics Div., Ferranti-Packard Electric, Ltd., Industry
 St., Toronto 15, Ont., Canada

 TAYLOR, NORMAN H. (SM'50), V.P., Military Prods.,

- TAYLOR, NORMAN H. (SM-50), V.P., Military Prods., lek Corp., Trapelo Rd., Waltham, Mass. TAYLOR, NORMAN J. (M-56), Physicist, Varian Associates, 611 Hansen Way, Palo Alto, Calif TAYLOR, ORSON P. (SM-52), Engr., IBM, Poughkeepsie, N.Y.
- N.T.
 TAYLOR, PAUL (A'59), Radio & TV Newscaster & Analyst,
 WRCV-WRCV-TV, Philadelphia, Pa.
 TAYLOR, PAUL (M'47), Communications Engr., Central
 Power & Light Co., 120 N. Chaparral St., Corpus Christi,

- Tex.

 TAYLOR, PAUL B. (A'35-M'41-SM'43), Consulting Physicist, Wright Air Development Center, 12 W. Dayton Dr., Fairborn, Ohio.

 TAYLOR, PAUL E. (S'57-M'57), Elec, Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 TAYLOR, PAUL E. JR. (M'5B), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 TAYLOR, PAUL G. (M'45), Internati. Services Officer, Office of Internati. Cooperation, FAA, Washington 25, D.C.

 TAYLOR, PAUL H. (A'36-VA'39-M'55), Engr., RCA, Electron Tube Div., Harrison, N. J.

 TAYLOR, PETER R. (SM'57), Sqdn., Leader, RAF, Hgrs., Air Material Command, Box 353, Wright-Patterson AFB, Ohio.

- Ohio.

 TAYLOR, RALPH E. (A'45-SM'54), Dev, Supvr., Diamond Ordnance Fuze Labs., Washington 25, D. C.

 TAYLOR, RAYMOND A. (S'44-A'46-M'55), Electronics Engr., U. S. Naval Radiological Defense Lab., San Francisco Naval Shipyard, San Francisco, Calif.

 TAYLOR, RAYMDRW. (S'54-M'5B), Engr., Sylvania Elec. Prods., Inc., Needham, Mass.

 TAYLOR, RICHARD B. (A'56), Electronics Technician, Orenda Engines, Ltd., Malton, Ont., Canada, TAYLOR, RICHARD B. (A'56), Slessman, Jerry Urbik Agency, 615 Guaranty Bldg., Cedar Rapids, lowa.

 TAYLOR, RICHARD H. (M'55), Principal Scientific Officer, Ministry of Supply, Castlewood House, Oxford St., London, England.

 TAYLOR, RICHARD L. (A'56), Assoc. Engr., IBM, Pough-
- TAYLOR, RICHARD L. (A'56), Assoc. Engr., IBM, Pough-keepsie, N.Y.
- keepsie, N.Y.

 TAYLOR, ROBERT B. (M'57-SM'59), Staff Engr., Research & Advanced Dev., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 TAYLOR, ROBERT C. (S'57-M'5B), Research Assoc., Ohlo State Univ. Research Foundation, Eaton, Ohio.

 TAYLOR, ROBERT G. (S'56-M'5B), Jr., Project Engr., Bendix Aviation Corp., Teterboro, N.J.

 TAYLOR, ROBERT G., JR. (S'54-M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 TAYLOR, ROBERT W. (M'56), Electronics Dev. Engr., Ultra Electric Ltd., Western Ave., Acton, London, W3, England.

- England,
 TAYLOR, ROY L. (SM'59), Electronics Engr., FAA, Box
 1082, Oklahoma City, Okla.
 TAYLOR, RUSSELL R. (S'30-VA'39), Electronics Engr.,
 Allen Organ Co., Macungie, Pa.
 TAYLOR, STEPHEN V. (S'55-M'58), Utilities Officer,
 USN, NAS Miramar, San Diego, Calif.
 TAYLOR, THEODORE, JR. (A'57), Engr., RCA, Defense
 Electronics Prods., Camden, N. J.
 TAYLOR, THOMAS T. (A'43-M'50), Asst. Prof., Physics,
 Univ. of California, Riverside, Calif.
 TAYLOR, VERL L. (S'57-M'58), Electronics Design Engr.,
- Univ. of California, Riverside, Calif,
 TAYLOR, VERL L. (S'57-M'5B), Electronics Design Engr.,
 Collins Radio Co., 2700 Olive, Burbank, Calif.
 TAYLOR, VINCENT (A'57), TV Consultant, Tech., Radio TV
 Service Co., 4711 W. Adams, Los Angeles, Calif.
 TAYLOR, WALLACE D. (M'56), Chief Engr., WHDL, Inc.,
 3219 W. State Rd., Olean, N.Y.
 TAYLOR, WALTER E. (A'54), Marine Service Engr.,
 Sperry Gyroscope Co., Great Neck, L.1., N.Y.
- Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 TAYLOR, WAYNE G. (M'53), Project Engr., Cubic Corp.,
 5575 Kearny Villa Rd., San Diego 11, Calif.
 TAYLOR, WESLEY U. (S'56-M'57), Asst. Project Engr.,
 Stoudart Aircraft Radio Co., Inc., 6644 Santa Moniea
 Blvd., Hollywood 3B, Calif.

- TAYLOR, WILFRED (M'5B), Chief Engr., Glosta Mfg. Co., Ltd., Cavan St., Port Hope, Ont., Canada.
- Ltd., Cavan St., Port Hope, Ont., Canada.
 TA/YLOR, WILLIAM (A'56), 545 Glowood Dr., Pittsburgh
 27, Pa.
 TAYLOR, WILLIAM B. (S'51-A'52-M'57), Genl. Engr.,
 U.S. Army Corps of Engr., Office of Chief of Engrs.,
 Washington, D.C.
- Washington, D.C.
 TAYLOR, WILLIAM R. (M'59), Jr. Engr., Bendix Radio
 Div., Baltimore 4, Md.
 TAYLOR, WILLIAM T. (SM'55), Tech. Asst., Radio, Royal
 Australian Air Force, 1700 Massachusetts Ave., N.W.,
 Washington, D.C.

- Washington, D.C.

 TAYLOR, WILLIE (M'5B), Assoc. Engr., McDonnell Aircraft Co., Box 516, St. Louis 3, Mo.

 TAYLOR, WILLIS H., JR. (A'19-M'21-SM'43), Patent Lawyer, Mem. of Firm, Pennie, Edmonds, Morton, Barrows & Taylor, 247 Park Ave., New York 17, N.Y.

 TCHINNIS, MICHAEL F. (S'53-A'54), Electronics Technician, Telechrome Mfg. Corp., 2B Ranlck Dr., Amityville, L.I., N.Y.
- mount, retectionme Mrg. Corp., 2B Ranick Dr., Amityville, L.I., N.Y.

 TCHOU, MARIO (M'54), Dir., Laboratorio Ricerche Elettroniche, Via de Parlamento 33, Borgolombardo, Milan, Italy.

 TEACHER, CHARLES F. (S'52-A'54-M'5B), Sr. Engr., Philoo Corp., C & Tiopa Sts., Philadelphia 34, Pa.

 TEACHMAN, ALFRED E. (A'27-VA'39-SM'49), Project Mgr., Page Communications Engrs., Inc., 710 14 St., N.W., Washington, D.C.

 TEACHMAN, GEORGE E. (S'57-M'59), 3B33 Suburban Shores, N.E., Grand Rapids 5, Mich.

 TEAGER, HERBERT M. (S'52-M'56), Electronics Data Processing Officer, USN, Mare Island Naval Shipyard, Vallejo, Calif.

- Calif.

 TEAGUE, DEMSTER L. (S'54-M'56), Research Asst., Univ. of Virginia, Thomton Hall, Charlottesville, Va.

 TEAGUE, GERALD E. (S'58-M'59), Assoc. Engr., Douglas Alrcraft Co., Box 329, Sacramento, Calif.

 TEAGUE, JAMES W. (S'58-M'59), Trainee Maint, Engr., Schlumberger Surenco, Art. 160B, Caracas, Venezuela.

 TEAL, EDWIN E. (A'47-M'55), Chief Equipment Engr., Equipment Dept., Baroid Div., Natl. Lead Co., 2404 Danville, Houston 6, Tex.

 TEAL CORDON K. (SM'53-E'56), Asst. V.P., & Dir., Re-
- TEAL, GORDON K. (SM'53-F'56), Asst. V.P. & Dir., Re-search, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas
- TEAL, HUGH E. (A'54), Electronics Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y. TEALL, DWIGHT E. (M'56), 774 Anderson Dr., Los Altos, Calif.

- Calif.
 Calif.
 TEANY, ROY A. (M'59), Engr., Bell Tel. Co. of Canada, 1060 University St., Montreal, P.Q., Canada.
 TEARE, B. RICHARD, JR. (A'41-SM'45-F'51), Dean, College of Engrg. & Science, Camegie Institute of Technology, Schenley Park, Pittsburgh 13, Pa.
 TEARE, EVERETT H., JR. (M'57), Sales Engr., Rheem Mfg. Co., B39 17 St., N.W., Washington, D.C.
 TEARE, W. H. (SM'45), Electronics Engr., GE Co., Box 1088, Schenectady, N.Y.
 TEASDALE, ARTHUR R., JR. (A'50-SM'54), Div. Mgr., Electronics Temco Alrcraft Corp. Engrg. Faculty, Southern Methodist Univ., Box 6191, Dallas 22, Tex.
 TFASIFY, RALPH C. (S'556-M'58), Engr., GE Co., Cincin-

- metnoors: Univ., Box 0.1/1, ValiaS 22, lex.

 TEASLEY, RALPH C. (S'56-M'5B), Engr., GE Co., Cincinnati 15, Ohio.

 TECTOR, RICHARD J. (S'54-M'5B), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 TEDDLIE, ERIC A. (S'53-A'54), Mech. Engr., Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex.

- TEDDLIE, ERICA. (\$153-A-54), Mech. Engr., Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex.
 TEDER, HARRY (M'56), Dev. Engr., Jensen Mfg. Co., 6601 S. Laramie, Chicago 36, Ill.
 TEDESCHI, ANTHONY (A'55), Electronics Engr., The Emerson Electric Mfg. Co., St. Louis 21, Mo.
 TEDESCO, JOHN R. (M'56), Chief Civil Electronics Engr., U.S. Navy Ship Repair Facility, Guam.
 TEDFORD, WALTER E. (M'57), Sr. Design Engr., Hazeltine Electronics Div., Little Neck 62, L.I., N.Y.
 TEEGARDEN, WILLIAM M. (A'54), Engr.-In-Cho., Computer Operations, GE Co., LMED, Advanced Electronics Center, Ithaca, N. Y.
 TEEGARDIN, HULL H. (A'54), Research Engr., Scientificational Piedmont Rd., N.E., Atlanta, Ga.
 TEEL, WILLIS A. (M'57), Head, Instrumentation Sect., USN Mine Defense Lab., Panama City, Fla.
 TEEPLE, JOHN B. (A'58), Research Assoc., Applied Psychology Corp., 4113 Lee Hwy., Arlington 7, Va.
 TEETER, WALLIS L. (S'46-A'47-SM'53), Sect. Head, Lockheed Missile & Space Div., Box 1506, Vandenberg AFB, Calif.

- Lockheed Missile & Space Div., Box 1506, Vandenberg AFB, Calif.
 TEETERS, D. ROBERT (A'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
 TEETOR, THOMAS S. (A'54), Engr., Magnavox Co., 2131
 Bueter Rd., Ft. Wayne 4, Ind.
 TEETSEL, WALIER P. (S'52-A'53-M'5B), Electronic Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.
 TEETZEL, FREDERICK M. (A'50-M'55), Sect. Leader, Natl. Lead Co. of Ohio, Box 15B, Mt. Healthy Sta., Cincinnati 31, Ohio.
 TFFINM. JOHN W. (A'43), Propagation Test Coordinator, Ace
- Cinnate 31, July W. (A'43), Propagation Test Coordinator, Ace High Project, Internatl. Standard Electric Corp., 67 Broad St., New York 4, N.Y. TEGLUND, WILLIAM B. (M'59), 62211 Jeffords St., Ft.

- TEGLUND, WILLIAM B. (M'59), 62211 Jeffords St., Ft. Huachuca, Ariz.

 TEGMEYER, JACK R. (A'58), Engrg. Lab. Technician, Jensen Mfg., 6601 S. Laramie, Chicago 3B, III.

 TEHAN, MARION F. (A'44), Retired, 4329 Canyon Crest Rd., Altadena, Calif.

 TEICH, PAUL J. (A'46-M'55), Mgr., Marine & Ordnance Radar Engrg., GE Co., Syracuse, N.Y.

 TEICH, WESLEY W. (SM'54), Tech. Asst. to Lab. Mgr., Microwave Power Tube Research & Dev. Lab., Raytheon Mfg. Co., Waltham 54, Mass.

 TEICHMAN, SAUL (S'55-M'57), Design Engr., Remington Rand Univac, Wilson Ave., South Norwalk, Conn.

 TLITELBAUM, MENASH. (A'57), Project Engr., Bendix Aviation Corp., Teterboro, N.J.

 TEITELBAUM, MYRON G. (A'56), Engr., Kuman Electric Co., 191 Newel St., Brooklyn, N.Y.

 TEITLER, ALBERT (SM'52), Project Engr., ITT Labs., Nutley 10, N.J.

 TEJKERRA, NEWTON A. (S'43-A'44-M'55), Sr. Mem. Tech.
- TEIXEIRA, NEWTON A. (S'43-A'44-M'55), Sr. Mem. Tech. Staff RCA, Boy 58B. Burlington, Mass.

- TELANG, VISHWANATH S. (M'47), Scientific Officer, Atomic Energy Est., Govt. of India, 414 A Cadell Rd., Bombay 28, India
- TELEHA, CHARLES K. (S'54-A'55), Engrg. & Service Engr., Westinghouse Elec. Corp., Box 1B97, Baltimore

- 3, Md.
 TELEP, EUGENE (A'56), Electronics Engr., Martin Co.,
 Middle River, Md.
 TELEW, WILLIAM (M'57), Lead Electronics Systems Engr.,
 Chance Vought Aircraft Corp.. Dallas, Tex.
 TELL, WILLIAM K. (A'57), Sr. Instrument Technician,
 Hughes Aircraft Co., Holloman AFB, N.M.
 TELLEFSEN, HAROLD E. (A'5B), Sr. Electronics Dev. Engr.,
 Radiation Instrument Development Lab., 5737 S. Halsted,
 Chicago 21, III.
- TELLEGEN, B. D. H. (SM'52-F'55), Scientific Adviser. Philips Research Labs., Eindhoven, Netherlands.
 TELLERMAN, JACOB (S'49-A'50-M'5B), Asst. Head, Computer Dept., American Bosch Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.

- TELLESON, NORMAN (S'54-M'56), Electronics Engr., U.S., Naval Ordnance Test Sta., Pasadena Annex, 3202 E. Foothill Blvd., Pasadena B, Calif.

 TELLEZ, JOSE M. B. (M'49), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 TELLIER, JACOB (S'54-M'55), Assoc. Engr., Westinghouse Elec. Corp., Friendship (Internal). Alroort, Baltimore 27, Md.
- TELLIER, JOSEPH C. (S'35-A'37-SM'45), Mgr., Circuit Research, Philico Corp., C & Tioga Sts., Philadelphia 34,
- TELLKAMP, HERBERT M., JR. (S'56-A'58), Operating Technician, Federal Electric Corp., Box 153, Anchorage
- Alaska.

 TELLMAN, H. A. (A'45-M'45-SM'46), Staff Engr., Applied
 Physics Lab., The John Hopkins Univ., Silver Spring, Md.

 TELTSCHER, ERWIN S. (A'52-M'57), Engrg. Dept. Head,
 Ford Instrument Co., 31-10 Thomson Ave., Long Island City,
 N.Y.
- N.Y.
 TEMES, CLIFFORD L. (S'56-A'57-M'5B), Lab. Supvr.,
 Columbia Univ., Electronics Research Lab., 632 W. 125
 St., New York 27, N.Y.
 TEMME, DONALD H. (S'55-M'56), 1st Lt., USAF, Air
 Defense Systems Mngt. Office, AF Cambridge Research
 Center, Hanscom AFB, Bedford, Mass.
- TEMDYAN, JOHN D. (M'54), Midwest Regional Mgr., Philco Corp., 1422 N. Hancock, Colorado Springs, Colo. TEMPRA, JOHN A. (S'48-4'51-M'58), Project Group Leader, Motorola, Inc., 2710 N. Clybourn Ave., Chicago 14, III.
- TEMPLE, D. IRVING (A'46-M'55-SM'58), Tech. Dir. CBS-TV. Inc.. 4B5 Madison Ave.. New York 22, N.Y. TEMPLE, FOY J. (SM'59), V.P., Engineered Electronic Co., Santa Ana, Calif. TEMPLE, FREDERICK B. (S'50-A'51), Electronics Engr., Navy Dept., Bureau of Ships, Code 6B7B, Washington 25, D.C.

- TEMPLE, JOHN M. (SM'55), Consulting Engr., Westinghouse Elec. Corp.. Baltimore 3, Md.
 TEMPLE, KENNETH A. (S'54-A'55), Engr., GE Co., Advanced Electronics Center, Cornell Univ., thaca, N.Y.
 TEMPLE, LEMUEL M. (SM'51), Mgr., Connecticut State Area, Richard M. Purinton, Inc., 11 Muzzey St., Lexington 73. Mass. Area, Richa 73, Mass.
- TEMPLE, TERRY W. (A'59), Elec. Engr., Goodyear Air-craft Corp., 1210 Massillon Rd., Akron 14, Ohio. TEMPLE, WILLIAM J. (A'46), Prof., Speech, Brooklyn College, Bedford Ave. & Ave. H, Brooklyn 10, N.Y.

- TEMPLE, WILLIAM J. (A'46), Prof., Speech, Brooklyn College, Bedford Ave. & Ave. H. Brooklyn 10, N.; TEMPLEMAN, LOUIS I. (A'54), Elec. Technician, Aeroflex Coro., 4B-25 36 St., Long Island City 1, N.Y. TEMPLETON, HAROLD S. (A'55), Assoc. Engr., Prod. Dev., IBM, Poughkeepsie, N.Y. TEMPLETON, THOMAS H. (SM'57), Sr. Executive Engr., Stanford Research Institute, Menlo Park. Calif. TEMPLIN, EDWIN W. (SM'45), Electronics Dev. Supvr., Westrex Coro., 6601 Romaine St., Hollywood 3B, Calif. TEN BROECK, CRAIG A. (5'5B-M'59), Evaluation Engr., Minneapolis-Honeywell (Reyulator Co., Inc., Queen & S. Bailey Sts., Potistown, Pa. TEN CATE WILLIAM L. (A'53), Dir., Ten-Cate Associates, 6.12B Morton St.. Philadelphia 44, Pa. TENDICK, CULLEN B. (SM'5B), Electronics Engr., Range Dev. Dept., Pacific Missile Range, Point Mugu, Calif. TENDICK, FRANK H., JR. (S'50-A'51-M'56), Mem. Tech. Staff. Bell Tel. Labs., Murray Hill. N. J. TENENBAUM, EDGAR (S'50-A'51-M'56), Engr., Sperry Gyroscope Co., Great Neck, L., N.Y. TENENBAUM, FRANK (A'41-M'55), Mgr., System Engrg., Airborne Instrument Lab., Mineola, L.I., N.Y. TENENHOLTZ, ROBERT (A'52-M'57), Sr. Engr., Sage Labs.. Inc., 159 Linden St., Wellesley, Mass.
 TEN EYCK, RICHARD A. (A'55), Electronics Technician, American Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENEL, Only Cyanamore, Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y. TENGL, Tong Cyanamid, Lederle Labs. Div., Pearl River, N. Y.

- TEN HAAF, FREDERIK E. L. (M'58), Physicist, N.V. Philips Gloellampenfabrieken, Research Labs., Kastanjelaan, Eindhoven, Netherlands.
- TENNANT, HARRY R. (M¹56), Electronics Engr., Dept. of Defense, Washington 25, D.C.
- TENNANT, OTTO A. (A'47-M'51), Application Engr., Westinghouse Elec. Corp., 2515 Dean Ave., Des Moines 17, lowa.
- 17, Jowa.
 TENNENT, BERNARD (SM'57), Project Engr., Philips Electronics Industries Ltd., Brentcliffe Rd., Toronto, Leaside, Ont., Canada.
 TENNEY, FRANK T. (A'58), Asst. Unit Head, Payrolls, The Carter Oil Co., Box BO1, Tulsa. Okta.
 TENNEY, HAROLD D. (S'56-A'59), Engr., Microwave Engro. Labs., Palo Alto, Calif.
 TENNEY, JACK E. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
 TENNEY, AYMOND F. (S'53-M'56), Engr., GE Co., Utica, N.Y.
 TENNING, CARL B. (S'56-M'59), Assoc. Engr., Refined

- TENNING, CARL B. (S'56-M'59), Assoc. Engr., Boeing Airplane Co., B & Logan, Renton, Wash.

- TENNIS, JOSEPH E. (M'53), Production Mgr., Radio Engrg. Labs., 29-01 Borden Ave., Long Island City 1, N.Y.

- Engrg. Labs., 29-U1 Borden Ave., Long Island Lity 1, N.Y.

 TENNISON, DAVID B. (S'55-A'56), Secy., Electronics Design Co., 400 E. Cornell, Enid, Okla.

 TENNUCI, JOHN E. (A'59), Defence Scientific Tech., Officer (II), Defence Research Telecommunications Est., Electronics Lab., Montreal Rd., Ottawa 2, Ont., Canada.

 TENO, EDWARD (A'52), Sr. Engr., Sylvania Elec. Prods. Inc., 1891 E. 3rd, Williamsport, Pa.

 TENTEN, ROBERT C. (S'55-A'57), Tech. Asst., Bell Tel. Labs., Murray Hill, N.J.

 TEN ZELDAM, HENDRIK J. (A'54), Sr. Research Engr., Jet Propulsion Lab., AB00 Oak Grove Dr., Pasadena, Calif.

 TEODORI, DARIO C. (A'5B), Tech. Chief, TV Plant, Radio Caracas Television Maracaibo Canal 2, Isla de Toas, Maracaibo, Venezuela.

 TEOMEY, CEORGE H., JR. (A'43-M'45-SM'52), Asst. Project Mgr., Aerojet Genl. Corp., 410 N. Citrus Ave., Covina, Calif.

 TEPLITZ, HARVEY (M'55), Pres., Harvey Teplitz & Co.,

- Covina, Calif.

 TEPLITZ, HARVEY (M'55), Pres., Harvey Teplitz & Co., 3543 Comeil Dr., Davton 6. Ohio.

 TEPPER, CHARLES A. (A'5B), Pres., Industro Transistor Coro., 35-10 36 Ave., Long Island City 6. N.Y.

 TEPPER, HAROLD H. (A'44-M'50), Engr., Alrbome Instrument Lab., Inc., Mineola, L. I., N.Y.

 TEPPER, LUIS (M'59), Research & Dev. Engr., AEC, Box F056. Hakirya. Tel Aviv., Israel.

 TEPPER, MARVIN (A'57), Tech. Writer, Self Employed, Bl Wolcott St., Malden 4B. Mass.

 TEPPER, STANLEY J. (S'50-A'51-M'56), Electronics Engr., Rome Air Development Center, Griffins AFB. N.Y.

 TERADA, MASAZUMI (M'57), Lecturer, Faculty of Engrg., Dsaka Univ., Higashinadacho-9, Osaka, Japan.

- usaka Univ., Higashinadacho-9, Osaka, Japan.
 TERACAWA, ROBERT T. (M'5B), Engr., Chu Associates,
 Whitcomb Ave., Littleton, Mass.
 TERAKDWSKI, EUGENE A. (S'57-M'5B), Assoc. Engr.,
 Convair, Pomona, Calif.
 TERAO, MITSURU (M'57), Chief of Instrumentation Sect.,
 Electrotechnical Lab., Japanese Govt., 2-1, Nagata-cho,
 Chiyoda-ku, Tokyo, Japan.
- TERAO, MITWURU (M'57), Chief of Instrumentation Sect., Electrotechnical Lab., Japanese Govt., 2-1, Nagata-cho, Tokyo, Japan.
- TERASHI, TARO (A'55), Electronic Scientist, Aberdeen Proving Ground, Md.
- Proving Ground, Md.

 TERAUDS, JOHN J. (S'57-M'59), Electronics Engr., Litton Industries, 5009 Calvert Rd., College Park, Md.

 TERBUSH, HUBERT W. (S'50-A'52-M'55-SM'57), Engrg. Specialist, Chance Vought Aircraft Corp., Box 5907, Dallas, Tex.

- Specialist, Chance Yought Aircraft Corp., Box 5907, Dailas Tex.

 TEREK, ANDREW A. (S'55-A'55), Leader, Timing & Firling, RCA Service Co., Patrick AFB, Fla.

 TERES, BENAMIN W. (A'44), Electronics Engr., Diamond Ordnance Fuze Labs., Washington 25, D.C.

 TERHUNE, HAROLD R. (SM'51), Mgr., ITT Labs., Standards, Nutley 10, N.J.

 TERKANIAN, HARRY (A'52-M'57), Electronics Engr., Lab. for Electronics, Inc., 175 Pitts St., Boston, Mass.

 TERLCKY, J. JAROSLAV (A'52), Engr., Fairchild Graphic Equipment, Plainview, L.J., N.Y.

 TERLET, TERLE H. (S'57-M'5B), Jr. Engr., IBM, Poughkeepsie, N.Y.

 TERLET, TERLE H. (S'57-M'5B), Jr. Engr., Tengr., Ten

- 10, N.J.

 TERNOW, HELMUT G. (M'5B), Elec. Engr. & Operations
 Research Assoc., Genl. Analysis Corp., Combat Dev. Dept.,
 U.S. Army Electronics Proving Ground, Ft. Huachuca, Artz.

 TERRANOVA, DOMENIC S. (S'53-M'56), Mem. Tech. Staff,
 Bell Tel. Labs., 1600 Osgood St., No. Andover, Mass.

 TERRELL, DAVID S. (A'53-M'59), Staff Telecommunications
 Officer, Air Force Hors., Ottawa, Ont., Canada.

 TERRELL, GEORGE C. (S'50-A'51-M'5B), Forte, Dupee,
 Sawyer Co., 311 Summer St., Boston 10, Mass.

 TERRELL, JAMES H., JR. (S'54-M'56), Lt. Col., USAF,
 Asst. Chief, Communications & Navigation Lab., Wright
 Air Development Center, Wright-Patterson AFB, Ohlo

 TERRELL, JUDSON M., JR. (S'48-A'50-M'55), Electronics
- TERRELL, JUDSON M., JR. (S'4B-A'50-M'55), Electronics Engr., American Lava Corp., Cherokee Blvd., Chattanooga 5, Tenn.
- TERRELL, ROBERT L. (A'26-VA'39), Supvr., Tech. Operations, NBC, 4001 Nebraska Ave., N.W., Washington, D.C.
- TERRELL, RUSSELL L. (S'51-A'52-M'56), Project Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- TERRILL, FRED, JR. (S'52-A'54-M'59), Engr., The Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland 4, Ore.

- Portland 4, Ore.

 TERRIS, DAVID (M'5B), Jr. Engr., Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.

 TERRIS, IRA (S'54-M'56), Mem. Tech. Staff, Bell Tel.

 Labs., 463 West St., New York 14, N.Y.

 TERRY, CLIFFORD B. (A'41-M'55), V.P., Electronics, Model Engrg. & Mfg., Inc., 50 Frederick St., Huntington, Ind.
- TERRY, FOSS B. (A'54), Quality Assurance Engr., Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N.J. TERRY, GLENN H. (A'59), Field Engr., Raytheon Mfg. Co., Waltham 54, Mass. TERRY, HOWARD P. (A'57), Patent Attorney, Sperry Gyroscope Co., 350 Old Country Rd., Garden City, L.I., N.Y.

- Gyrscope Cd., 530 Old Country No., Accepted the Country No., N.Y.

 TERRY, JAMES F. (S'56-M'5B), Research Engr., Army Ballistic Missile Agency, Capt Canaveral, Fla.

 TERRY, ROBERT E. (S'56-M'5B), Engr., Lockheed Alrcraft Co., Box 551, Burbank, Calif.

 TERRY, ROBERT L. (SM'56), Project Engr., Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 TERRY, WILLIAM D. (A'56), Hobbs District Mgr., Communications Engrg. Co., 1123 Breckon, Hobbs, N.M.

 TERSEGNO, HENRY W. (S'5B-A'5B), Electronics Engr., Eastman Kodak Co., 25 Lincoln Ave., Rochester 4, N.Y.

 TERSOFF, ABRAHAM I. (S'4B-A'50-SM'57), Chief, Electronics Research, Intelligent Machines Research Corp., 7019 Edsall Rd., Alexandria, Va.

- ter VEEN, LOUIS A. G. (A'38-SM'57), Electronics Scientist, Research & Dev., Lockheed Missile & Space Div., S Palo Alto, Calif.
- TERZIAN, RICHARD C. (M'56), Sr. Engr., Litton Industries, 2205 Stoner, West Los Angeles, Callí. TESCARI, ANTONIO (A'47), Chief Engr., Reactor Control, AGIP Nucleare, Milano, Italy.
- TESCH, WALTER L. (SM'57), Administrator, Reliability Planning, Missile & Surface Radar Dept., RCA, Mooresi
- Planning, Missile & Surface Radar Dept., RCA, Moorestown N.J.

 TESCHE, FREDERICK R. (SM'56), Staff Mem., Los Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

 TESCHMACHER, HENRY W. (SM'51), Owner, Yorktown Electronic Lab., R.D. 1, Box 12, Yorktown Heights, N.Y.

 TESCHNER, DAVID (M'57), Patent Examiner, U.S. Patent Office, Washington 25, D.C.

 TESKE, HILBERT O. (M'54), Forup Leader, Motorola, Inc., 4501 Augusta Bivd., Chicago 51, III.

 TESKE, JOHN A. (S'4B-A'50-M'55), Project Engr., Garrett Corp., 9851 Senulveda Bivd., Los Angeles 45, Calif.

 TESLER, ALFRED (M'56), Engr., Taswer Instruments Corp., 3349 Cahuenga, Hollywood 2B, Calif.

 TESLIK, JAMES A. (A'47-M'55), Staff Engr., Automatic Electric Co., Northlake, III.

 TESNO, ROLAND R. (S'49-A'50-M'55-SM'59), TV

 Design Engr., Westinghouse Elec. Corp., Metuchen, N.J., TESO, WILLIAM A. (S'54-M'5B), Mountain Ave., Hillburn, N.Y.

- TESSARI, VICTOR P. (S'56-M'57), Electronics Technician, RCA, Needham, Mass. TESSIER, HERVE J., JR. (S'57-M'58), Engr., GE Co.,

- TESSIER, HERVE J., JR. (S'57-M'58), Engr., GE Co., Syracuse, N. Y.

 TEST, ALDO J. (M'54), Patent Atty., Flehr & Swain, Crocker Bidg., San Francisco, Calif.

 TEST, LOUIS D. (S'50-A'53-M'54), Engr., GE Co., 2151 S. 1st, San Jose, Calif.

 TESTA, ERNEST (S'50-A'51-M'58), Electronics Engr., Central Torpedo Office, Advanced Undersea Weapon Denot, Newport, A. (1909)
- TESTA JOSEPH S. (M'58), 94 1B St., Buffalo 13. N.Y. TETENBAUM, SIDNEY J. (S'47-A'53-M'5B), Research Engr., Microwave Physics Lab., Sylvania Elec. Prods., Inc., Box 1296, Mountain View, Calif.
- TETHEROW, ROBERT C. (S'49-A'51-M'56), Sales Engr., The Amold Engrg. Co., 3450 Wilshire Blvd., Los Angeles The Amol 5, Calif.
- TETLEY, WILFRED H. (A'42-M'45), Deputy, Engrg., Air Defense Systems Integration Div., Hanscom Field, Bedford, Mass.

- Bedford, Mass.

 ETREAULT, NORMAND E. (M'55), Group Leader, Lavoie Labs. Inc., Rte. 79, Morganville, N.J.

 ETZLAFF, FLOYD L. (S'56-M'5B), Asst. Engr., Western Electric Co., Lexington Rd., Winston-Salern, N.C.

 TEVLIN, RAYMOND J. (S'4B-A'53-M'57), Elec. Engr., Burroughs Corp., 14300 Tireman, Detroit 2B, Mich.

 TEVONIAN, RONALD B. (S'54-M'577), Dev. Engr., Western Electric Co., Box 900, Princeton, N.J.
- TEW, DARRELL E. (S'51-A'53-M'58), Electronics Engr., Sperry-Utah Engrg. Lab., 322 N. 21, W., Salt Lake City 16, Utah.
- 10, Utah.

 TEWELL, JOSEPH R., JR. (S '55-M'57), Instr., Rensselaer
 Polytechnic Institute. Troy, N.Y.

 TEWKSBURY, JOHN M. (M'56), Project Engr., Bendix
 Aviation Corp., Towson 4, Md.

 THAANUM, ODIN (S '51-A'53-M'57), Electronics Engr.,
 Stromberg-Carlson Co., 1895 Hancock St., San Diego
 12, Calif.

 THACHER 11000 A. (Alec.)
- 12, Calif.

 THACHER, LLOYD A. (A'56), Sales Mgr., Electro Prods. Labs., 4501 N. Ravenswood Ave., Chicago 4D, III.

 THACKER, CECIL L. (A'53-M'5B), Quality Control Rep., Convair, Pomona, Calif.

 THACKER, JOHN U. (S'57-M'59), Research Engr., Natl. Aeronautics & Space Administration, Overlook Ave., Washington, D.C.

 THACKER, M. S. (A'2B), Council of Scientific & Industrial Research, Old Mill Rd., New Delhi 2, India.

 THAIN, ROBERT S. (M'55-SM'5B), Defence Scientific Service Officer, Directorate of Plans, Defence Research Board, Ottawa, Ont., Canada.

 THAL, HERBERT L., JR. (A'53-M'5B), Dev. Engr., Powe

- THAL, HERBERT L., JR. (A'53-M'5B), Dev. Engr., Power Tube Dept., GE Co., Schenectady, N.Y.
- THALER, SAMUEL (A'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 THALMANN, VICTOR (A'55), Elec. Engr., Jaquett A.G. Thannerstr. 25, Basel, Switzerland.

 THALMER, ROBERT R. (M'50-5M'52), Chief Engr., Sylvania Home Electronics, 700 Ellicott St., Batavia, N.Y.
- THAMES, WILLIAM M. (SM'54), Commanding Genl., Army Combat, Surveillance Agency, 1124 N. Highland St., Arlington, Va.
- THAN, M. M. (S'56-M'57), Principal, Govt. Tech. Institute, Insein, Burma.
- tute, Insein, Burma.

 THAN, MAUNG PE (A'54), Asst. Engr., Wireless, South
 Burma Wireless Div., Burma Telecoms, 125 Phayre \$t.,
 Rangoon, Burma.

 THANGAVELU, K. S. (S'50-A'51-M'53), Partner & Ming.
 Dir., India Switchgear Industries (Private) Ltd., 5B
 Bazlullah Rd., Madras 17, India.

- THANDS, HARRY (S'49'A'51-M'56), Sr. Applications Engr., RCA, Semiconductor Div., Somerville, N.J. THARP, CHARLES U. (A'55), Designer, Chance-Vought Aircraft, Jefferson St., Grand Prairie, Tex. THARP, ALSON B. (M'45-SM'52), ASst. Mgr., Communications Engrg., WestInghouse Elec. Corp., Box 1897, Ball Imgre 3. Md. ications Engrg., Baltimore 3, Md.
- Baltlimore 3, Md.

 HARP, THOMAS H. (S'55-M'56), Electronic Scientist,
 U.S. Naval Proving Grounds, Dahlgren, Va.

 HATCH, RAYMOND A. (S'56-M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Mirray Hill, N.J.

 HATCHER, EVERETT W. (SM'47), Head, Special Research
 Div., USN Electronics Lab., San Diego 52, Calif.

 HATCHER, FRED F., II (M'55), Tech. Advisor to Oir.,
 Oirectorate of Tests & Tactics SAC, USAF, Löckbourne
 AFB, Ohlo.
 - THATCHER, JOHN W. (SM'46), Mem. Tech. Staff, Space Technology Labs., 5500 El Segundo Blvd., Los Angeles, Calif.
 - THATCHER, REGINALO (M'59), Sr. Sales Engr., Internati. Resistance Co., 1136 N. La Brea, Hollywood 3B, Calif.

- 405 -THA-THO

- THATCHER, REID B. (M'57), Leader, Test Equipment Design Group, Guided Missile Div., Firestone Tire & Rubber Co., Los Angeles 54, Calif.

 THATCHER, THOMAS W., JR. (S'41-A'43-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 THATCHER, WILL LARD H. (M'45-SM'58), Military Dev. Engr., Bell Tel. Labs., Wiippany, N.J.

 THAXTER, JOHN H., JR. (S'57-M'59), Electronics Engr., Sylvania Elec. Prods., Inc., 189 B St., Needham, Mass.

 THAXTON, HERBERT A. (A'45-M'55), Aircraft Radio Mechanic, Continental Air Lines, Denver, Colo.

 THAYER, DAVID C. (A'56), Technician, Barth Engrg. & Mig. Co., Meriden, Conn.

 THAYER, EDWARD A. (M'56), Sr. Design Engr., Convair, Ft. Worth, Tex.

- Ft. Worth, Tex.

 THAYER, GEORGE H. (S'54-M'57), Design Engr., Convair, Ft. Worth, Tex.

 THAYER, GEORGE H. (S'54-M'57), Design Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 THAYER, GORDON N. (SM'47-F'51), V.P., Operations, The Ohio 8ell Tel. Co., 750 Huron Rd., Cleveland 15, Ohio.
- THAYER, JOHN W. (A'50-M'55), Chief Transmitter Engr., WEWS, Scripps-Howard Radio, Inc., 7080 State Rd., Parma 34, Ohio.

- Parma 34, Ohio.
 THAYER, PHILIP H., JR. (M'46), Dir., Bell Tel. Labs., 204 Graham-Hopedale Rd., Burlington, N.C.
 THAYER, ROBERT W. (A'54), Instrument Technician, GE, Milta Test Sta., Ballston Spa, N.Y.
 THAYER, WILLIAM D. (S'55-M'58), Design Engr., Raytheon Mig. Co., Wayland, Mass.
 THEALL, CHARLES E., JR. (A'55), Engr., CGS Labs., 391 Ludlow St., Stamford, Conn.
 THEIBAULT, JOHN E. (A'58), Sr. Technician, Electronics Associates, Inc., Long Branch Ave., Long Branch, N.J.
 THEISNEGER, LESLIE P. (A'54), Engr., Dale Prods., Inc., Columbus, Neb.
- THEISNER, WILLIAM G. (A'54), Owner, William Theisner & Co., 11161 Samedra, Cuoertino, Calif. THEISS, CALVIM M. (A'54), Sr. Project Engr., AC Spark Plug Div., 1925 E. Kenilworth, Milwaukee 2, Wis.
- THEISS. JOHN B. (A'54), Design & Dev. Engr., RCA, Camden, N.J.
- Camden, N.J.
 THEISSING, HANS H. (SM'58), Research Consultant, U.S. Army Signal Engrg, Labs., Ft. Monmouth, N.J.
 THELIN, DAVID H. (A'59), Lab. Technician, Sylvania
 Elec, Prods., Inc., Lexington Ave., Warren, Pa.
 THEOBALD, DONALD J. (S'48-A'50-M'55), Electronic
 Scientist, Special Displays & Computers Sect., USN Electronics Lab., San Diego, Calif.
 THEDDORE, CHARLES (S'41-A'53-M'55), V.P., Ling
 Electronics, Inc., 9937 W. Jefferson 8Ivd., Culver City,
 Calif.
 THEDDORE
- THEODORE, JOHN A. (S'56-A'57), Motorola Communica-tions & Electronics, Inc., 4501 Augusta 8lvd., Chicago
- THEODOROFF, THEODORE J. (A'54), Research Physicist, Research Labs., GMC, 12 Mile & Mound Rds., Warren, Mich.
- Mich.

 THEODOSEAU, TAXIARLIE (A'49), Supvr., Electronic Standards, Kolisman Instrument Corp., Elmhurst, L.I., N.Y.

 THEOFIL, DIMITRI V. (A'49-M'55), Sr. Engc., Bendix Systems Div., Ann Arbor, Mich.

 THERIAULT, E. EUGENE (M'58), Engr., "A," Canadair, Ltd., St. Laurent, P. Q., Canada.

 THERIOT, EUGENE J. (S'56-M'57), Dev. Engr., Western Electric Co., Lexington Rd., Winston-Salem, N. C.

 THERIOT, IVY J. (SM'56), Test Group Engr., Convair, Ft. Worth, Tex.

 THERIOT, CLI SEPTI. (S'EE-MISC)

- WORTH, Tex.

 THEROUX, GILBERT L. (S'55-M'56), Asst. Engr., Sperry
 Gyroscope Co., Marine Div., Garden City, L.I., N.Y.

 THEROUX, LOUIS N. (SM'56), Chief, Terminal Equipment
 Sect., Wright Air Development Center, Wright-Patterson Sect., Wrig AF8, Ohio
- AFB, Ohio,
 THERRIEN, HENRY J. (S'53-M'57), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 THESING, ROBERT H. (A'58), Mgr., Engrg. Services,
 Fenwal, Inc., Ashland, Mass.
 THEWS, RICHARD F. (M'56), Sr. Research Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway, Minneapolis 13. Minn
- neapolis-Honeywell neapolis 13, Minn
- neapolis 13, Minn.

 THIBEAU, CHARLES E. (A'59), Pres., Conductorlab., Inc., Main St., Groton, Mass.

 THIBODEAU, DAVID L. (M'58), Sales Engr., Canadian Marconi Co., 572 Barrington St., Halifax, N. S., Canada.

 THIBODEAU, LIONEL E. (S'52-A'54-M'59), Elec. Engr., GE Co., 13430 Black Canyon Hwy, Phoenix, Ariz.

 THIBODEAU, ROMEO A. (M'54), Chief, Titan Liaispn, Martin Co., Drawer M., Cocca, Fla.

 THIEBLEMONT, ANDRE H. (A'33-VA'39), Plant Engr., Coty Prods. Corp., 423 W.55 St., New York 19, N. Y.

 THEDE, FERD C. W. (A'37-VA'39), Mgr., Purchases, Control Instrument Co., Inc., 67 35 St., Brooklyn 32, N. Y.

- N.Y.

 THIEDE, HAROLD T. (S'55-M'58), Engr., Trainee, RCA
 Missile Test Project, Patrick AF8, Fla.

 THIEDE, PAUL W. (M'58), Project Engr., Electric Eye
 Equipment Co., Danville, III.

 THIEL, JOHN E. (S'50-A'52-M'57), Design Engr. "B"
 Boeing Airplane Co., Wichita I., Kan.

 THIEL, PATRICK A. (S'57-M'58), 17110 S.E. 35,
 Sollame, Worth

- THIEL, WARREN H. (A'45-M'47), Design Specialist, Convair, San Diego 12, Calif.
- Convair, San Diego 12, Calif.

 THIEL, WILLARD L. (A'45), Partner-Owner, Television
 Engra, Kenosha, Wis. & Zion, III. 3416 Roosevelt
 Rd., Kenosha, Wis.

 THIELEN, HOMER H. (A'42), Studio Engr., C8S-KMOX,
 C8S-KMOX, 9 & Sidney Sts., St., Louis 4, Mo.

 THELEN, LAWRENCE R. (A'54), Mgr., Instrumentation,
 Ampex Corp., 212 W. St. Charles, Villa Park, III.

 THIELKING, ROGER C. (M'58), Engr., GE Co., Syracuse,
 N. Y.

- N.Y.
 THIER, PHILIP (S'52-M'58), Mem, Tech, Staff, Hughes
 Aircraft Co., Culver City, Calif.
 THIERGARTNER, GEORGE J. (A'52), Dir, of Administration, Federal Telephone & Radio Co., 100 Kingsland Rd.,
 Nutley, N.J.
- THIES, CHARLES H. (SM'56), Radio Engr., GE Co., Syracuse, N.Y. THIESSEN, ARTHUR E. (A'29-M'30-SM'43), V.P., Genl. Radio Co., West Concord, Mass.

- THILLE, ROBERT W, (S'46-A'50-M'55), Sr. Microwave Engr., Dalmo Victor Co., 1515 Industrial Way, Belmont, Calif.
- THINNES, ROBERT L. (A'58), Sales Engr., Robert O. Whitesell & Assoc., 26DD Far Hills Ave., Dayton 19,
- THIRUP, GUNNAR (SM'59), A V Opbergenstraat 7, Eind-
- hoven, Metherlands

 THISSELL, JAMES O. (S'56-M'58), Physics Dept., State
 Univ. of lowa, lowa City, lowa.

 THISTLE, W., CRAHAM (M'56), Defense Scientific Service
 Officer, Canadian Armament Research & Development Establishment, Valcartier, P. Q., Canada.
- HShmert, Valcarier, P. Q., Canada.
 HDENNES, EUGENE O. (A'54), Group Leader, Sperry-Phoenix Co., 21111 N. 19 Ave., Phoenix, Ariz.
 HOGERSEN, GEORGE O. (A'43), Sect. Head, Speciality Prods. Div., Airborne Instruments Lab., Inc., 1345 New York Ave., Huntington, L.I., N.Y.
- York Ave., Huntington, L.I., N.Y.
 THOLSTRUP, HENRY (A'26-SM'44), Engr., Commercial
 Controls Corp., 1 Leighton Ave., Rochester 2, N.Y.
 THOM, ARTHUR R. (M'52-SM'57), Tech., Dir., AFIN-4C,
 Hgrs., USAF, Wright-Patterson AFB, Dhio.
 THOM, FREDERICK W. P. (A'33-M'35-SM'43), Ming.
 Dir., Thom Electronics Fty., Ltd., 712 Botany Rd.,
 Mascot, Sydney, N.S. W., Australia.

- Mascot, Sydney, N.S. W., Australia.
 THOM, JOSEPH C. (SM'59), Engro, Specialist, Sylvania Elec, Prods., Inc., Mountain View, Calif.
 THOMA, FRANK J. (M'57), Field Engr., Genl. Radio Co., 1000 N. Seward St., Los Angeles 38, Calif.
 THOMAE, MAURICIO A. (S'53-A'55), Jefe de Division Equipos Lab. de Electronica, Comision Nacional de la Energia Atomica, Av. Del Libertador Gral., San Martin 8250. Buenos Aires, Aroentina
 THOMAN, CHARLES A. (A'47-M'52), Chief, Data Coordination Office, Missile Firing Lab., Army Ballistic Missile Agency, Redstone Arsenal, Ala
- THOMAN, JOHN E. (S'56-M'57), Plant Trainee, Indiana 8ell Telephone Co., Inc., 125 E. Broadway, Kokomo, Ind. THOMAN, RICHARD E. (S'48-A'51-M'56), Group Suprr., Displays, Stromberg-Carlson Co., 1895 Hancock St., San Diégé 12, Calif.

- Diego 12, Caiii.

 THOMAS, ABDELNOUR S. (A'55), Pres., A. S. Thomas, Inc., 161 Devonshire St., Boston 10, Mass.

 THOMAS, ADAM C. (S'55-M'58), Grad, Research Asst., The Dhio State Univ., Columbus 10, Ohio.

 THOMAS, ALBERT W. (S'52-A'54-M'58), Dev. Engr., Tungos I Electric Co., 545 N. Arlington Ave., East Orange, N.J.

 THOMAS, ALFRICH R. (A'48), Sr. Engr., Wheeler Electronic Corp., 150 E. Aurora St., Waterbury, Conn.

 THOMAS, ALLAN R. (S'54-M'58), Design Engr., RCA, Camden, N.J.

 THOMAS, ALLEN C. (S'56-M'57), Assoc. Scientist, Lockheed Aircraft Corp., Missile Systems Div., Sunnyvale, Calif.

 THOMAS, ALLEN G. (A'48), Principal Engr., Bendix Radio Div., Towson 4, Md.

 THOMAS, ARTHUR (A'46-M'47), Pron. & Mor., An.

- Div., Towson 4, Md.
 THOMAS, ARTHUR (A'46-M'47), Prop. & Mgr., Art.
 Thomas Radio Electronic, 108 N. East St., Sarnia, Ont.,
 Canada.
- Canada.
 THOMAS, ARTHUR H., JR. (M'55), Project Engr., Electronics, Radiophone Co., 600 E. Evergreen, Monrovia, Calif.
 THOMAS, ARTHUR H. (M'57), Capt., AFR, Head, Special
 Recording & Calibration Unit, U.S. Naval Ordnance Test Station, Code 3067, China Lake, Calif.
 THOMAS, AUBREY M. (M'57), Electronics Scientist, U.S.
 Naval Mine Defense Lab., Panama City, Fla.
- THOMAS, BILLIE, SR. (A'54), Industrial Sales Mgr., Radiant Corp., Cornell Dublier (Automotive), Fulton & Vega Rd., Cleveland, Ohio.

- Rd., Cleveland, Ohio.

 THDMAS, VURON J. (M'47), Design Engr., Bell Tel. Labs., Burlington, N.C.

 THOMAS, C. EDGAR, JR. (A'52-M'57), Sect. Chief, Martin Co., Saltimore 3, M.

 THOMAS, C. ARROLL Y. (A'45-M'53), Chief Instr., Field Engr., Bendix Radio Div., Baltimore 4, Md.

 THOMAS, CHARLES C. (M'57), Pres., Charles C. Thomas, Publisher, 301-327 E. Lawrence Ave., Springfield, III.

 THOMAS, CHARLES P. (A'53), Capt., USAF, Experimental Flight Test Officer, Wright Air Development Center, Wright-Patterson AF8, Ohio.
- THOMAS, CHARLES R, (S'51-A'51-M'57), Lead Design Engr., Chance-Vought Aircraft, Inc., Box 5907, Dallas, Tex.
- Tex.
 Tex.
 THOMAS, CHARLES R. (S'56-A'57), Service Technician, Bendix Radio, Greenspring & Smith Aves., Baltimore 9, Md.
 THOMAS, CHARLES T. (SM'59), Sr. Engr., Apparatus Div., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 THOMAS, CHESTER W., JR. (A'47), Radio Operator, City of Houston, 61 Reisner, Houston, Tex.
 THOMAS, CLARENCE L. (A'54), Technician, Shell Development Co., 5301 Horton St., Emeryville, Calif.
 THOMAS, CLIFFORD B. (A'54), Dev. Engr., Motorola, Inc., 1400 N. Cicero Ave., Chicago 51, Ill.
 THOMAS, DAVID E. (A'54), Engr., GE Co., Evendale. Ohio. THOMAS, DAVID C. (S'54-M'56), Sr. Engr., Electronics Research Div., Monroe Calculating Machine Co., Central Ave., Orange, N.J.
 THOMAS, DAVID G. (S'53-A'54). Plans Officer. Comhat

- THOMAS, DAVID H. (S'53-A'54), Plans Officer, Combat Dev. Sect., Hgrs., USARADCOM, Ent AF8, Colorado Springs, Colo.
- THOMAS, DAVID H. (M'57), Exec. V.P. & Sales Mgr., Air-Marine Motors, Inc., 2221 Barry Ave., Los Angeles 64, Calif.
- THOMAS, DAVID W. (S'53-A'55), Electronics Engr., U. S. Naval Ordnance Test Sta., 32D2 E. Foothill, Pasadena,
- Naval Vironalius (1835 Sta.), 2602 E. FOOTINII, Fabaueria, Calif.

 THOMAS, DELMER L. (S'56-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 THOMAS, DONALD C. (A'56), Sr. Research & Dev. Engr., Tasker Instrument Corp., 3349 Cahuenga Blvd., Hollywood 28, Calif.

 THOMAS, DONALD E. (A'47-SM'47), Mem. Tech. Staff, Bell Tel., Labs., Murray Hill, N.J.

 THOMAS, DONALD H. (S'54-M'56), Engrg. Speciallist, Pan American World Airways, GMRD, Patrick AFB, Fla.

 THOMAS, DONALD W. (M'56), Pres., D.W. Thomas Engrg., Inc., 367 W. 7 St., San Pedro, Calif.

 THOMAS, EARL R. (135-VA'139-M'55), Mgr., Meter & Test Dept., Consolidated Edison Co. of New York, Inc., 4 Irving Pl., New York 3, N.Y.

 THOMAS, EDGAR E. (S'52-A'53-M'55), Project Engr.,

- THOMAS, EDGAR E. (S'52-A'53-M'58), Project Engr., Gilfilian Bros., 1815 Venice 8lvd., Los Angeles 6, Calif.

- THOMAS, EDISON C. (A'54-M'55), Field Engr., Bendix Radio Div., Baltimore 4, Md. THOMAS, EDWARD R. (A'51-M'56-SM'59), Project Engr., Booz-Allen Applied Research, Inc., 408 W. Main St., Fairborn, Olilo.
- Fairborn, Ohlo.
 THOMAS, EDWARD U. (A'39-M'45-SM'54), Dev. Engr.,
 Servo Corp. of America, 2D-2D Jericho Tpke., New Hyde
 Park, L.I., N.Y.
- Park, L.I., N.Y.
 THOMAS, EDWIN K. (A'55), Sr. Engr., Raytheon Mfg. Co.,
 Waltham 54, Mass.
 THDMAS, ELMER (M'58), Research Engr., Page Communications Engrs. Inc., 710 14 St., N.W., Washington, D.C.
 THOMAS, ERNEST A. (A'45-M'51), Dir., Engrq., Cenl.
 Instruments, F.W. Sickles of Canada, Ltd., Weber St., Waterloo, Ont., Canada.
 THOMAS, ETHER J. (A'57-M'58), Jr. Engr., Puget Sound
 Power & Light Co., Puyallup, Wash.
 THOMAS, EUGENE M. (S'54-M'57), Jr. Engr., 18M, Poughkeepsie, N.Y.
 THOMAS, FRANCIS J. (M'59), Patent Engr., 18M, 425

- keepsie, N.Y.

 THOMAS, FRANCIS J. (M'59), Patent Engr., IBM, 425
 13 St., N.W., Washington, D.C.

 THOMAS, FRED M. (M'58), Sales Engr., Bendix Radio,
 105D0 Magnolia Blvd., North Hollywood, Calif.

 THOMAS, GEORGE 8, JR. (SM'46), Tech. Staff, Bell Tel.
 Labs., Muray Hill, N.J.

 THOMAS, GEORGE E. (M'56), Project Engr., Hallicrafters
 Co., 4401 W. 5 Ave., Chicano 24, Ill.

 THOMAS, GEORGE N. (S'52-M'57), Electronics Engr., New
 York Univ., Post Graduate Medical School, 550 Ist Ave.,
 New York 16, N.Y.

 THDMAS, GEORGE W. (S'53-A'54), Microwave Technician,
 U.S., Army Signal Research & Development Lab., Ft. Monmouth, N.J.
- mouth, N.J.

 THOMAS, GERALD W. (A'58), Supvy, Electronics
 Specialist, U.S. Dept. of Commerce, FAA, Laredo, Tex.

 THOMAS, GWYNN E. (S'53-M'55), Elec. Engrg. Asst.,
 The Cleveland Electric Illuminating Co., 55 Public Sq.,
 Cleveland 13, Ohio.

- Cleveland 13, Ohio.

 THOMAS, HARDLD A. (SM'52), Sr. Engr., Genl. Atomic, 8ox 608, San Diego 12, Callf.

 THOMAS, HARRY E. (A'28-VA'39-SM'50), Sr. Project Engr., ITT Labs., Nutley 10, N.J.

 THOMAS, HARRY J., JR. (A'51), Sr. Electronics Engr., Raytheon Mfg. Co., Wayland, Mass.

 THOMAS, HENRY P. (A'34-VA'39-M'44-SM'47-F'51), Engr., GE Co., Mountain View Rd., Lynchburg, Va.

 THOMAS, HORACE A. (SM'45), Head Instrumentation & Control Sect., Engra. Dept., Unilever, Ltd., Conway House, Tudor St., London, E.C. 4, England.

 THOMAS, J. EARL, JR. (SM'53), Dir., Research & Engra., Semiconductro Div., Sylvania Elec. Prods., Inc., Woburn, Mass.

- Woburn, Mass.

 THOMAS, JAMES A. (M'55), Engr.-in-Chg., Albuquerque RAPCON/Tower, FAA, 5651 W. Manchester Ave., Los Angeles 45, Calif.

 THOMAS, JAMES B. (M'56), Provisioning Engr., Hughes Aircraft Co., Fullerton, Calif.

 THOMAS, JAMES E. (S'54-A'54), Communications Engrg., U.S. State Debt., Washington, D.C.

 THOMAS, JAMES G. (A'58), Treas., Thomas & Sukup, Inc., 5226 N. Keystone Ave., Indianapolis 20, Ind.

 THOMAS, JAMES R. (S'54-M'56), Aeronautical Instrumentation Engr., Army Ballistic Missile Agency, Huntsville, Ala.

- Ala.

 THOMAS, JAMES W. (S¹53-A¹55), Project Engr., Allison Div., CMC. Indianabolis 6, Ind.

 THOMAS, JOHN B. (S¹52-M¹56), Asst. Prof., Elec. Engrg., Princeton Univ. Princeton. N.J.

 THOMAS, JOHN E. (A¹44-SM¹58), Dir., Research & Dev., Daystrom Instruments Div., Archbald, Pa.

 THOMAS, JOHN E. (S¹51-A¹53-A*158), Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 THOMAS, J. E. DORN (S¹57-M¹59), Elec. Engr., GE. Co., Aubum, N.Y.
- Aubum , N.Y.

 THOMAS , JOHN F. (A'54-M'54), Sr. Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 THOMAS , JOHN J. (A'51-M'56-SM'57), Head, Microwave Components Sect., USN Electronics Lab., San Diego 52, Calif.
- THOMAS, JOHN K., II (A'51-M'56), Field Engr., G. Curtls Engel & Associates, Box 4383, Philadelphia 18, Pa. THOMAS, JOHN P. (M'58), Tech. Engr., GE Co., Cincinnati 15, Ohio. THOMAS, JULIAN (S'56-M'58), Systems Engr., Minnea
- THOMAS, KENNETH J. (M¹⁵6), 11 Concord Ave., Somerville 43, Mass. THOMAS, KENNETH W. (M¹56), Project Engr., GE Co., Utica. N.Y.

- Utica. N.Y.

 THOMAS, LEON E. (A'52-M'58), Pres., Internati. Instruments. Inc., 486 Derby Ave., West Haven, Conn.

 THOMAS, LEONARD W. (M'45-SM'52), Sr. Electronics Engr., Bureau of Ships, Navy Derb., 18 St. & Constitution Ave., N.W., Washington 25, D.C.

 THOMAS, LESLIE (S'54-A'55), Servo Dept., Loral Electronics Corp., Home: 100 Cabrini Blvd., New York 33, N.Y.

 THOMAS, LESLIE J. (M'58), Electronics Engr., Army Ballistic Missile Agency. Huntsville, Ala.

 THOMAS, LILBURN R. (M'49), Supt., Communication System, Alchison, Topeka & Santa Fe Railway, 80 E. Jackson, Blvd., Chicago, III.

 THOMAS, LUCIUS P., JR. (A'47-M'53-SM'59), TV,

- System, Atchison, Topeka & Santa Fe Railway, 80 E. Jackson, Bivd., Chicago, III.

 THOMAS, LUCIUS P., JR. (A'47-M'53-SM'59), TV, Receiver Design Engr., RCA. Camden 8, N. J.

 THOMAS, MATHEW U. (S'56-M'59), Asoc. Engr., Sperry Microwave Electronics Co.. Box 1828. Clearwater. Fla.

 THOMAS, MICHAEL G. (S'57-M'59), Aloha Tr. Park, 1238 W. 6. Corona, Calif.

 THOMAS, MORRIS W. (A'41-M'55-SM'55), Chief Engr., KWTV, Oklahoma Television Corp., Box 8788, Oklahoma City 14, Okla.

 THOMAS, NEIL L. (M'58), Elec. Engr., Remington Rand Univac. St. Paul 16. Minn.

 THOMAS, OLNEY D., JR. (A'53), Fleld Electronics Engr., RCA Service Co.. Camden 8, N.J.

 THOMAS, OWEN E. (M'58), Engr., Sperry Gyroscope Co., Great Neck, L. J., N.Y., Co Convair, Ft. Worth, Tex.

 THOMAS, OWEN E. (M'58), Engr., Sperry Gyroscope Co., Great Neck, L. J., N.Y., Co Convair, Ft. Worth, Tex.

 THOMAS, PAUL M. (4'54-M'166), Sr. Electronics Engr., Hallamore Electronics Co., 8352 Brookhurst Ave., Anahelm, Calif.

World Radio History

- THOMAS, REGINALD (A'47-M'52), Project Engr., Bendix-Pacific, 11600 Sherman Way, North Hollywood, Calif.
 THOMAS, REUEIO 0. (S'52-M'56), Project Engr., Loral Electronics. Inc., 825 Bronx River Ave., New York, 72. N. THOMAS, RICHARD K. (A'48-M'51-SM'54), Asst. to V.P., Research Div., Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

- 1830 York Rd., Timonium, Md.
 THOMAS, ROBERT G. (A'54), Sr. Engr., Admiral Corn.,
 3800 Cortiand. Chicago 47. III.
 THOMAS, ROBERT L. (S'57-M'59), 1104 S. Alfred
 St., Los Angeles 35, Calif.
 THOMAS, ROBERT L. (M'58), Design Engr., Douglas
 Aircraft Co., 827 Lapham St., El Segundo, Calif.
 THOMAS, ROBERT R., JR. (A'48-M'55), Owner, WOAY,
 WOAY-TV., Oak Hill, W., Va.
- WOAY-TV, Oak Hill, W. Va. THOMAS, RONALD L. (M'57), Project Engr., Crescent Engrg. & Research Co., 5440 N. Peck Rd., El Monte, Calif. THOMAS, RUBLE A. (M'58), Atomic Power Development Associates, 1911 1st St., Detroit 26, Mich.
- THOMAS, RYLAND M. (A'57), Field Engr., W.E. Fry & Co., 6616 W. Florissant, St. Louis 20, Mo.

- Co., 6616 W. Florissant, St. Louis 20, Mo.
 THOMAS, STANLEY W. (S'58-M'58), 616 W. 182 St., New York 33, N.Y.
 THOMAS, TEX C. (S'57-M'58), Engr., Collins Radio Co., 1930 Hilline Dr., Dallas, Tex.
 THOMAS, THOMAS L. (A'57), Pres., Polytronic Research, Inc., 7326 Westmore Rd., Rockville, Md.
 THOMAS, TORRENCE R. (A'49-M'55), Chief Prod. Engr., 8urroughs Corp., Detrolt, Mich.
 THOMAS, TOWNSEND (S'56-A'57), Project Engr., Sparton Electronics Div., 2400 E. Ganson, Jackson, Mich.
 THOMAS, WILLIAM A. JR. (M'57), Project Forger.

- Electronics Div., 2400 E. Ganson, Jackson, Mich.

 HOMAS, WILLIAM A., JR. (M'57), Project Engr.,

 Missileonics. Inc.. Melbourne, Fla.

 HOMAS, WILLIAM D. (A'48), Engr., Grade 81, 88C,

 Broadcastine House, London, Enoland.

 HOMAS, WILLIAM F. (S'50-A'51-M'57), Prod. Engr.,

 Daystrom Instrument, Archbald, Pa.

 HOMAS, WILLIAM M. (A'55), Group Leader, Hughes

 Aircraft Co., Culver City, Calif.

 HOMAS, WILLIAM P., JR. (S'43-A'47-M'55), Elec.

 Engr., GE Co., Liverpool, N.Y.

 HOMASIAN, ARAM J. (M'57), Asst. Prof., Statistics &

 Elec. Engra., University of California, Berkeley 4, Calif.

 HOMASN, EDWARD M. (S'54-A'58), Electronics Engr.
- HOMASON, EDWARD M. (S'54-A'58), Electronics Engr., Monsanto Chemical Co., Bay St., Texas City, Tex. THOMASON, JAMES F. (M'56), Contract Administrator, RCA, Camden, N.J.

 HOMASON, JAMES G. (M'52), Systems Design Engr., Internati, Electronics Engrg., Inc., Munsey 8ldg., Washington 4, D.C.
- Ingron 4, D.C.
 Test Instruments, Beckman-Berkely, 2200 Wright Ave., Richmond, Calif.

 THOMASEN, NILS E. (S'56-M'57), Engrg., Design & Research, Raytheon Mfg. Co., Foundry Ave., Waltham, Mass.
- THOMASSON, HAROLD 8. (S'48-A'49-M'55), TV Engr., NBC, 4001 Nebraska Ave., N.W., Washington 16,
- THOMASSON , LELAND T. (S'49-A'51-M'56), Research Engr., Applied Physics Staff, "Pilotless Aircraft Div.," Boeing Airplane Co., Seattle 14, Wash.
- THOMASSON, WILLIAM D. (S'57-M'58), Design Engr., Convair, Ft. Worth, Tex.
- THOMPSON, ANTHUR W. (M'55), Research

 TOMMSON, ANTHUR R. (S'57-M'58), Design Engr., Convair, Ft. Worth, Tex.

 THOMPORDE, CLIFFORD (S'41-A'42-M'45), Prof. & Dept. Head. Univ. of North Dakota; Tech. Dir., KNOX-AM-TV, Grand Forks, N.D.

 THOMPSON, ALFRED G. (S'49-A'49-M'55), Sr. Engr., Pacific Telephone & Telegraph Co., 1200 3rd Ave., Seattle 1, Wash.

 THOMPSON, ALFRED J. (M'55), Chief Engr., Lewis & Kaufman, 17320 El Rancho, Los Gatos, Calif.

 THOMPSON, ANDREW C. (M'45), Works Mgr., Whitewater Electronics, Inc., 136 Main St., Whitewater, Wis.

 THOMPSON, ANDREW C. (S'50-A'51-M'58), Elec. Engr., Plant Engrq. Dept., Convair, Ft. Worth, Tex.

 THOMPSON, ANTHONY R. (M'58), Research Assoc., Harvard College Observatory, Harvard Radio Astronomy Sta., Ft.

- THOMPSON, ARTHUR W. (M'55), Mem. of Research Projects Office, Army Ballistic Missile Agency, Huntsville,

- Projects Office, Army Ballistic Missile Agency, Huntsville, Ala.

 THOMPSON, BEN V. (SM'53), Asst. Mgr., Advanced Dev. Dept., Hughes Aircraft Co., Culver City, Calif.

 THOMPSON, 8088Y G. (A'58), Owner, Mgr., Somerset Radio & TV Center, 113 W. Mt. Vernon, Somerset, Ky. THOMPSON, C. O. D., JR. (A'48-M'55), Asst. Mgr., Radio Supplies, 110 S. 6 St., Zanesville, Ohlo.

 THOMPSON, CHARLES W. N. (A'53-M'54), Dir., Systems & Advance Engrg., Admiral Corp., 3800 Cortland St., Chicago 47, III.

 THOMPSON, CLIFFORD F. (A'54), V.P., Engrg., Airbome Accessories Corp., 1414 Chesnut St., Hillside 5, N.J. THOMPSON, DAVID G. (S'48-A'49), V.P., Engrg., Airbome Accessories Corp., 1414 Chesnut St., Hillside 5, N.J. THOMPSON, DAVID G. (S'48-A'50-M'55), Inst., Elec. Engrg., Univ. of Maryland, College Park, Md.

 THOMPSON, DE WITT H. (M'58), Radio Interference Technician, Admiral Corp., 3800 W. Cortland St., Chicago 47, III.

- THOMPSON, DONALD 8. (S'45-A'49-M'58), Mfg. Engr., IBM, Poughkeepsie, N.Y.
 THOMPSON, DONALD C. (S'42-A'45-M'55), Assoc. Elec. Engr., Argonne Natl. Lab., 8ox 299, Lemont, III.
 THOMPSON, DONALD F. (M'56), Engr., GE Co., Syracuse, N.Y.

- N.Y.

 THOMPSON, DONALD M. (M'58), Advisory Engr., 590
 Madison Ave., I8M, New York, N.Y.

 THOMPSON, DONALD M. (S'56-M'59), Elec. Design
 Engr., Hughes Aircraft Co., Culver City, Calif.

 THOMPSON, DUDLEY (M'53), Chmn. & Prof., Chemical
 Engrs., Missouri School of Mines & Metallurgy, Rolla, Mo.
 THOMPSON, EDWARD A. (A'58), 11216 Pipeline Ave.,
 Pomona, Calif.
- THOMPSON, EDWARD E. (M'56), Process Dev. Sect. Head, Internati . Resistance Co., 401 N. Broad St., Philadelphia,
- THOMPSON, EOWIN H. (S'53-A'54), Engr., Westinghouse Elec. Corp., 8ox 1897, Baltimore 3, Md. THOMPSON, ERIC D. (S'55-M'57), Staff Assoc., Lincoln Lab., MiT, Lexington 73, Mass.

- THOMPSON, FRANCIS T. (A'54), Sr. Engr., Westinghouse Elec. Corp., New Prods. Dept., Pittsburgh, Pa. THOMPSON, FRANK J. (M'56), Electronics Engr., Avion Div., A.C.F. Industries, 800 N. Pitt St., Alexandria, Va. THOMPSON, FRED C. (A'54), Sr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.
- THOMPSON, FRED E. (M'57), Test Planning Engr. Western Electric Co., 4 S. Latham Rd., Greensbor N.C.
- THOMPSON, FREDERIC C. (M'58), Electronics Engr., Univ. of California Lawrence Radiation Lab., 8ox 808, Livermore, Calif.

- Livermore, Calli
 THOMPSON, FREDERICK J. (A'52), Instrumentation Engr.,
 Martin Co., Baltimore 3, Md.
 THOMPSON, GARL L. (S'41-A'44-M'56), Design Engr.,
 Huohes Aircraft Co., Culver City, Catif.
 THOMPSON, GEORGE A. (S'56-A'58), Asst. Engrg. Writer,
 Westinghouse Elec. Corp., Friendship Internati. Airport,
 Baltimore 3, Md.
- DARTHOMPSON, GEORGE C. (S'56-M'59), GEEIA Engr. Div. Alaska, APO 942, Seattle, Wash.

 THOMPSON, GEORGE H., JR. (A'51), Engrg. Specialist, Philoc Corp., 4700 Wissahlckon Ave., Philadelphia 44, Pa.
- THOMPSON, GEORGE S. (A'50-M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J. THOMPSON, HANNIS W., JR. (M'58), Instr., Elec. Engrg., North Carolina State College, Raleigh, N.C.
- North Carolina State College, nategymunos. THOMPSON, HAROLD C. (A'54), Technician, Lenkurt Electric Co., of Canada, Ltd., 6960 Loughheed Hwy., Burnaby, 8.C., Canada.
- Burnaby, 8.C., Canada.

 THOMPSON, HAROLD E. (S'53-A'55), Asst. Engr., The Ohio Bell Tel. Co., 42 E. Gay St., Columbus 15, Ohio. THOMPSON, HAROLD K. (A'50-M'55), Circuit Design Engr., Pacific Telephone & Telegraph Co., 595 Mission St., San Francisco 5, Calif.

 THOMPSON, HERBERT H. (A'56), Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 THOMPSON, HOMER V. (SM'51), (Radio), Engr. in Chg., FCC, 80x 5098, Ft. Lauderdale, Fia.

 THOMPSON, JACK B. (S'48-A'50), Assoc. Engr., Phillips Petroleum Co., Atomic Energy Div., Box 1259, Idaho Falls, Idaho.

- Falls, Joano.
 THOMPSON, JAMES E. (M'56), Engr., Westinghouse
 Elec. Corp., Baltimore. Md.
 THOMPSON, JAMES H. (SM'54), Sr. Engr., Apparatus
 Div., Texas Instruments, Inc., 6000 Lemmon Ave.,
 Dallas 9, Tex.
- Pullay 7, 1ex.

 THOMPSON, JAMES P. (S'56-M'57), Elec. Research Engr.,
 The Natl. Cash Register Co., Dayton, Ohio.

 THOMPSON, JOHN E. (A'45-M'55), Electronics Engr.,
 J.E. Thompson & Associates, 1440 W. 47 St., Chicago
 9, III.
- THOMPSON , JOHN H. (S'47-A'50-M'55-SM'57), Research Engr., Westinghouse Research Labs., Beulah Rd. & Rte. 22, Pittsburgh 35, Pa.
- 22, PICSDURGN 35, Pa.
 THOMPSON, JOHN L. (A'46), Owner, Operator, John L.
 Thompson, Tech. Writer, Fairhill Rd., Ft. Wayne, Ind.
 THOMPSON, JOHN M. (J'27-A'28-M'47-SM'53), Chief,
 Test Facilities Lab., Rome Air Development Center, Griffiss
 AFB, N.Y.
- THOMPSON, JOHN R. (M'58), Design & Dev. Engr., RCA, Camden, N.J.
- Camden, N.J.

 THOMPSON, JOHNNIE E. (S'55-M'57), Engr., Westinghouse
 Elec. Corp., Box 746, Ball.more 3, Md.

 THOMPSON, JOSEPH G. (M'58), Asst. Controller, Telecomunications Dept., Govt. of Singapore, Fullerton Bidg., Singapore, Malaya.

- inications Dept., Govt. of Singapore, Fullerton Bldg., Singapore, Malaya.

 THOMPSON, JOSEPH J. (M'58), Capt., USAF, Box 3237, AFIT. Wright-Patterson AF 8, Ohio.

 THOMPSON, JOSEPH J. (M'58), Capt., USAF, Box 3237, AFIT. Wright-Patterson AF 8, Ohio.

 THOMPSON, KENNETH A. (S'51-A'53-M'57), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 45444, Airport Sta., Los Angeles 45, Calif.

 THOMPSON, KENNETH L. (S'55-M'57), Application Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.

 THOMPSON, KERMIT J. (S'40-A'41-M'47), Electronics Engr., Boeing Airplane Co., Seattle, Wash.

 THOMPSON, KIR 8, M'58), Business Machine Specialist, U.S. Govt., 2430 East St., N.W., Washinoton 25, D.C.

 THOMPSON, LEO BE. (A'56-SM'44-F'57), Engr., RCA, Camden, N.J.

 THOMPSON, LEO H. (S'46-A'49), Electronics Engr., Dept. of Commerce, FAA, Federal Bldg., Jamaica 30, L.I., N.Y.

 THOMPSON, LEON, S'(S'51-A'51), Project Engr., Computer Power Supplies, IBM, Poughkeepsie, N.Y.

 THOMPSON, LEON, G'(37-M'44-SM'48), Lt. Col., Signal Corps., USAR, Washington 25, D.C.

 THOMPSON, LENOY, JR. (A'37-M'44-SM'48), Lt. Col., Signal Corps., USAR, Washington 25, D.C.

 THOMPSON, LEON, Middletown, Conn.

 THOMPSON, LEON, S'(515-A'51), Project Engr., Project Engr., Airborne Digital Computers, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 THOMPSON, MALCOLM F. (S'42-A'44-SM'54), Asst. Project Engr., Airborne Digital Computers, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 THOMPSON, MARTIN A. (S'53-A'57), Gates Radio Co., Quincy, Ill.

 THOMPSON, MARTIN A. (S'53-A'57), Project Engr., Western Union Teleoraph Co., 60 Hudson St., New York 13, N.Y.

- Quincy, Iff.

 HOMPSON, MARTIN A. (S'53-A'54), Project Engr., Westem Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 THOMPSON, MARTIN E. (S'49-A'51-M'56), Research
 Engr., Boeing Airplane Co., 7755 E. Marginal Way, Seattle 24, Wash.

- tie 24, Wash.
 THOMPSON, MILES W. (M'59), Research Engr., Hughes Air-craft Co., Box 2097, Fullerton, Calif.
 THOMPSON, MOODY C., JR. (SM'54), 2021 Hermosa Dr., Boulder, Colo.
 THOMPSON, NOEL P. (A'57), Chief, Medical Electronics Sect., Palo Alto Medical Research Foundation, 860 Bryant St., Palo Alto, Calif.
- St., Palo Alto, Calif.
 THOMPSON, OLGAR A. (A'58), Guided Missile Electronics
 Repairman, Civil Service, Corporal Project, White Sands
 Proving Ground, N.M.
 THOMPSON, ORVILLE I. (A'45-M'46-SM'58), V.P.,
 DeVry Tech. Institute, 4141 W. Belmont Ave., Chicago 41,
 III.
- THOMPSON, OWEN E. (S'50-A'51-M'56), Application Engr., Secode Corp., 555 Minnesota St., San Francisco, Calif. THOMPSON, PAUL (A'41-M'55), Chief Engr. The Turner Co., 909 17 St., N.E., Cedar Rapids, Iowa.

- THOMPSON, PAUL H. (A'57), Sr. Electronics Technician, Univ. of Artansas, Fayetteville, Ark.
 THOMPSON, RANDOLPH C. (A'54), Engr., Magnetic Devices, Inc., 712 East St., Frederick, Md.
 THOMPSON, RAY L. (S'49-A'50-M'56), Field Staff Engr., IBM. New Circle Rd., Lexington, Ky.
 THOMPSON, REDDING A. (A'59), Engrg. Asst., Melpar, Inc., 3000 Arlington Blvd., Fall's Church, Va.
 THOMPSON, RICHARD E. (A'53-M'56), Jr. Design Engr., Research Lab., Dalmo Victor Co., 1313 El Camir.o Real, San Carlos, Calif.
- THOMPSON, RICHARD H. (S'54-M'57), Elec. Engr., Dunn Engrg. Associates, Inc., 225 O'Brien Hwy., Camtridge 41, Mass.
- THOMPSON, RICHARD L. (M'55), Field Engr., McClatchy Broadcasting Co., 2111 Q St., Sacramento 4, Calif. THOMPSON, RICHARD W. (S'51-A'53-M'58), Functional Test Equipment Engr., Lockheed Aircraft Corp., Plant A-1, Burbank, Calif.
- Burbank, Calif.

 HOMPSON, ROBERT A. (S'56-M'59), 1954 Seneca Dr.,
 Euclid 17, Ohio.

 THOMPSON, ROBERT B. (A'43-M'56), Mgr., Communications Sales, Graybar Electric Co., 210 Anderson St., Los Angeles 33, Calif.
- Angeles 33, Calif.
 THOMPSON, ROBERT D. (S'49-A'50), Engr., Brown Engrg.
 Co., Inc., Huntsville, Ala.
 THOMPSON, ROBERT G. (A'35-VA'39-SM'51), Dir., TV
 Tech., Operation, CBS-TV& Chief Engr., WCBS-TV, 485
 Madison Ave., New York 22, N.Y.
- THOMPSON, ROBERT G. (A'55), 144 County Rd., Demarest,
- THOMPSON, ROBERT H. (M'56), Assoc. Engr., Genl. Mills, Inc., Mech. Div., 2003 E. Hennepin Ave., Minneapolis, Minn.
- THOMPSON, ROBERT J. (M'54), Sr. Research Engr., Con-vair, Pomona, Calif.
- vair, Pomona, Calif.
 THOMPSON, ROBERT J. (SM'55), Col., USAF, Chief Electronic Warfare Lab., Rome Air Development Center, Air Research & Dev. Command, USAF, Griffiss AFB, N.Y.
 THOMPSON, ROBERT R. (M'47-SM'53), Chief, Geophysics Research, Humble Oil Refining Co., Box 2180, Houston 1, Tex.

- Tex.

 THOMPSON, ROBERT S. (A'54-M'58), Mgr., Replacement Sales-Tube Sect., Canadian GE Co., 189 Dufferin St., Toronot, Ont., Canada.

 THOMPSON, ROBERT T. (A'52-M'55), Sales Engr., Genl. Magnetic Coro., Erwin Ave., Detroit 34. Mich.

 THOMPSON, ROBERT W. (S'56-M'58), Elec. Engr., Servochanisms (Canada), Ltd., Rexdale 8ivd. & Kipling Ave., Rexdale, Ont., Canada.

 THOMPSON, ROGER D. (S'45-A'48-M'50), Mem. Tech. Staff, RCA, Princeton, N. J.

 THOMPSON, ROMALD I. (A'58), 10020 Newhall Rd., 8ethesda 14, Md.

- Bethesda 14, Md.

 THOMPSON, RONALD L. (S'52-A'54), Project Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 THOMPSON, RUDOLPH T., JR. (A'53-M'58), Electronics Engr., Natl. Security Agency, Washinaton 25, D.C.

 THOMPSON, RUSSELL B. (S'56-M'58), 2nd Lt., USAF, Asst. Communication Officer, Selfridge AF8, Mich.

 THOMPSON, RUSSELL L. (A'58), Mgr., Coast Mobilphone Service, 327 State St., Barbara, Catif.

 THOMPSON, TAYLOR N. (S'56-M'57), Production Finer, M. Y.

 THOMPSON, TAYLOR N. (S'56-M'57), Production Finer, M. Y.
- Gardiner, N. Y.

 THOMPSON, THOMAS E. (A'52-M'57), Production Engr., Chrysler Corp., Missile Div., 8ox 2628, Detroit 31, Mich.

 THOMPSON, THOMAS H. (S'50-A'53-M'57), Mem. Tech.

 Staff, Belf Tel. Labs., Whippany, N. J.

 THOMPSON, VERNON L. (A'55), Project Engr., Remington-Rand Univac, 2750 W. 7 St., St. Paul, Minn.

 THOMPSON, WALTER S. (A'53-M'59), Dev. Engr., Tektonix, Inc., 8ox 831, Portland 7, Ore.

 THOMPSON, WENDELL W. (S'58-A'58), R.D. 2, Box 285, Marlboro, Md.

 THOMPSON, WENDELLAM C. (M'49), Mem. Tech. Staff, Space Technology Labs, Inc., 8ox 95001, Los Angeles 45, Calif.

- THOMPSON, WILLIAM G. (S'57-A'58), Standardization Technician, Republic Aviation Corp., Farmingdale, L.I., N. Y.
- THOMPSON, WILLIAM H. (A'51-M'56), Sales Mgr., L.A. Varah, Ltd., 1451 Hornby St., Vancouver 1, 8.C., ocanada.
- Caradaa.

 THOMPSON, WILLIAM J. (SM'57), Assoc. Dir., Engrg.,
 Cubic Corp., 5575 Kearmy Villa Rd., San Dlego 11, Calif.
 THOMPSON, WILLIAM J. (M'57), Elec. Engr., Collins
 Radio Co., Richardson, Tex.
 THOMPSON, WILLIAM L. (S'56-M'58), Assoc. Engr.,
 Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9,
 Tex.
- Tex.

 THOMPSON, WILLIAM R. (M'55), Sr. Field Engr., Philco
 Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 THOMPSON, WILLIAM T. (S'54-A'54-M'56), Elec. Engr.,
 Allen 8. DuMont Labs., 760 Bloomfield Ave., Clifton,
 N.J.
- N.J.

 THOMPSON, WILMER R. (S'56-M'57), Elec. Engr., Union
 Carbide Olefins Co., 437 MacCorkle Ave., South Charleston 3, W.Va.

 THOMS, CARLTON W. (M'59), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
- THOMSEN, CHRISTIAN M. (A'57), Design & Dev., RCA, Camden 2, N.J.
- THOMSEN, G. ARNOLD (S'51-A'52-S'56-M'58), Supvg. Service Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
- THOMSEN, PAUL H. (A'34-M'41-SM'43), Owner-Mgr., Thomsen's Television Service, 3528 State St., Santa Barbara, Calif.
- THOMSEN, ROGER N. (S'56-M'59), Electronics Engr., Santa Barbara Research Center, Santa Barbara Airport, Goleta, Calif.
- THOMSEN, THEODORE R. (A'52), Dev. Engr., Robotron Corp., 21300 W. 8 Mile Rd., Detroit, Mich.
- THOMSON, ALBERT (A'46-M'55), Elec . Engr., Bonneville Power Administration, 1001 N.E. Lloyd 8lvd., Portland,
- THOMSON, ALISTAIR G. (M'50), Principal, Jamaica Institute of Technology, Hope Rd., Kingston 6, Jamaica, 8.W.I.

- THOMSON, BARCLAY, JR. (A'41-M'55), Research Specialist, Rocketdyne 596-61, 6633 Canoga Ave., Canoga Park, Calif.
- Park, Lalit.

 THOMSON, DON N. (S'49-A'51-M'56), Staff Engr., Genl. Attonics Corp., 1 Bala Ave., Bala Cynwyd, Pa.

 THOMSON, E. CRAIG (A'42-M'55), Sr. Electronics Engr., Electronics Corp. of America, 77 Broadway, Cambridge 42, Mass.

- Mass.
 THOMSON, GEORGE W. (S'56-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 THOMSON, HARRY C. (M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 THOMSON, JAMES R. (M'57), Owner, Thomson Engrg. Service, Dallas, Tex.
 THOMSON, JOHN M. (A'26-M'39-SM'43), Chmn. of B., Ferranti-Packard Electric, Ltd., Industry St., Toronto 15, Ont., Canada.
- Ont., Canada.

 THOMSON, JOHN T., JR. (M'58), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 THOMSON, MARVIN E. (A'54), Sr. Project Leader, Motorola, Inc., 3102 N, 56 St., Phoenix, Ariz.

 THON, WILLIAM H. (S'48-A'54-SM'56), Engre, Specialist, Sylvania Elec, Prods., Inc., Mountain View, Calif.

 THOR, ROBERT C. (A'51-M'56), Project Engr., GE Co., Syracuse, N.Y.
- Syracuse, N.Y.

 THOREN, CLIFFORD A. (M'57), Sr. Engr., Electronics, Santa Barbara Research Center, Golita, Calif.

 THORENSEN, RAGNAR (S'42-A'47-M'55), Dir., Research, Magnavox Research Labs., 2255 S. Camelina Ave., Los Angeles 64, Calif.

 THORESEN, JOHN C. (A'53), Dev. Engr., Builders-Providence, Inc., Div. of 8-1-F industries, Inc., 345 Harris Ave., Providence 1, R.1.
- Ave., Providence 1, R.I.

 THORKELSSON, SIGURDUR (A'39), Chief Engr., Radio
 Oext., Post & Telegraph Administration, Thorvaldsensstraeti
 4, Reykiavik, Iceland

 THORLEY, BRODKE V. (S'54-M'57), Sales Engr.,
 Gerard G., Leeds Co., 12 Crampton Lane, Great Neck,
 L.I., N.Y.

- GETATO G., LECOS LO., 12 CTAMPRON LANG., GTEAT NECK, L.I., N.Y.

 THORMAHLEN, WILLIAM H. (A'53-M'58), Test Engr., Hewlett-Packard Co., 275 Page Mill Rd., Alto, Calif.

 THORN, DONALD C. (S'48-A'52-M'57), Asst. Prof., Elec. Engrg., Univ. of New Mexico, Albuquerue, N. M.

 THORN, WILLIAM D. (M'57), Sect. Engr., P. R. Mallory & Co., Inc., 3029 E. Washington St., Indianapolis 6, Ind. THORNBURG, ROBERT O. (S'55-M'56), Sr. Engr., Sylvania Elec. Prods., Inc., Mountain View, Calif.

 THORNE, CHARLES M. (S'55-A'50-M'55), Electronics Engr., Naval Torpedo Sta., Keyport, Wash.

 THORNE, CHARLES M. (S'55-A'50-M'55), Electronics Forgr., RCA, Rte. 202, Somerville, N.J.

 THORNE, EDWIN D. (M'59), Project Mgr., Directorate, Logistics Support Mngt., USAF, Dayton AFD, Wilmington Ave., Dayton 6, Ohio.

 THORNE, H., WALTER (A'55), Technician, George Washing-

- Ave., Dayton 6, Ohio.
 THORNE, H. WALTER (A'55), Technician, George Washington Univ., Army Air Defense Human Research Unit, Ft. 8liss, Tex.
- THORNE, JOHN C. (S'55-M'56), Elec. Engr., Western Electric Co., 204 Graham-Hopedale Rd., Burlington. N. C THORNE, MARION F. (A'54), Dir., Exec., Staff Services, Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.
- HORNE, MAYNARD G. (A'53), Research Engr., North Carolina State College, Engrg. Research Dept., Raleigh, N. C. THORNE, ROBERT L. (S'58-M'58), Research Engr., Lockheed Missile Systems & Space Div., Santa Cruz Test Base, Santa Cruz, Calif.
- Sanka Cruz, Calif.
 THORNHILL, ALEC F. (S'50-A'51-M'56), Electronic
 Scientist, Naval Research Lab., Washington 25, D.C.
 THORNHILL, JAY W. (SM'54), Head, Exploratory Dev.
 Branch, Texas Instruments, Inc., Semiconductor-Components Div., 13500 N. Central Expressway, Dallas 31,
- THORNTHWAITE, WILLIAM L. (M'56), Electronics Technician, Army Ballistic Missile Agency, Redstone Arsenal, Ala.

- Ala.
 THORNTON, CHARLES H. (A'49), Consultant, Univ. of Michigan, Ann Arbor, Mich.
 THORNTON, CHARLES L. (S'58-M'59), East Campus, MIT, Cambridge 39, Mass.
 THORNTON, CLARENCE G. (SM'54), Dir., Semiconductor Dev., Lansdale Tube Co., Church Rd., Lansdale, Pa.
 THORNTON, DANIEL P. (S'57-M'58), Maj., USAF, ADSID, Hanscom Field, Bedford, Mass.

- ADSID, Hanscom Field, Bedford, Mass,
 THORNTON, DOUGLAS D. (S'53-M'57), Engr., Instrumentation Sect., Sylvania Electronic Defense Lab., 231
 Wisman Rd., Mountain View, Calli,
 THORNTON, JAMES A. (M'56), Chief Engr., Electra Mfg.
 Co., 8DD N. 21 St., Independence, Kan.
 THORNTON, JOHN W. (S'55-M'57), Elec. Engr., GE
 Co., LMED, Utica, N. Y.
 THORNTON, LAURENCE C. (A'51), Radio Operator, Police
 Dext., Communications Div., City of Houston Police Dext.,
 Houston, Tex.
 THORNTON, BICHARD D. (S'53-M'57), Asst. Prof., Elec.

- Dept., Communications Div., City of Houston Police Dept., Houston, Tex., THORNTON, RICHARD D. (S'53-M'57), Asst. Prof., Elec. Engrg., MIT, Cambridge, Mass. THORNTON, RICHARD D. (S'56-M'58), Dev. Engr., GE Co., Ithaca, N.Y.

 **HORNTON, RICHARD R. (S'52-A'53), Tech Rep., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 37, Pa.

 **HORNTON, WILFRED D. M., JR. (A'54), Design Engr., Sylvania Elec. Prods., Inc., Waltham, Mass.

 **HORNWALL, JOSEPH C. (A'53-M'59), Elec. Engr., U.S. Govt. Home: 334 Jean St., Fairfax, Va.

 **THORP, MATTHEW B. (A'57), Staff Genl. Rep., Lab. for Electronics, Inc., 1520 K St., N.W., Washington 5, D.C.

 **THORP, WALTER W. (S'51-A'51-M'57), Supvr., Communications, West Kootenay Power & Light Co., Ltd., Cedar Ave., Trail, 8, C., Canada.

 **THORP, WILEUR F. (A'50-SM'53), Supvr., Radiative Systems, Nortronics Div., Northrop Aircraft, Inc., Hawthome, Calil.

 **THORP, CHARLES R. (A'53), Sales Mor., H.H. Bugole.

- Calif.
 THORPE, CHARLES R. (A'53), Sales Mgr., H.H. Buggle, inc., Box 817, Toledo 4, Ohio.
 THORPE, HERBERT G. (S'55-M'57), Electronics Engr., Bendix Aviation Corp., Box 1159, Kansas City, Mo.
 THORPE, JAY N. (S'54-M'58), Engr., Sperry Utah Engrg. Lab., 322 N. 21 W., Salt Lake City 16, Utah.
 THORPE, RICHARD W. (M'53-SM'55), Sr. Dev. Engr., Consolidated Electrodynamics Corp., Datalab. Div., 620 N. Lake Ave., Pasadena, Calif.

- THORPE, ROBERT A. (S'46-A'48-M'55), Owner, Robert A. Thorpe, Mechanical Contractor, 2615 Pershing Ave., Rich-Thorne, Mechanical Contractor, 2615 Pershing Ave., Richmond, Va.

 THORPE, ROBERT A. (M'56), Staff Engr., IBM, Research Lab., Yorktown Heights, N.Y.

 THORSON, HARRY L. (A'42-SM'49), Mgr., Transmitting Tube Prod. Engrg., GE Co., Schenectady, N.Y.

 THOWLESS, ERIC A. (S'52-A'54), Electronics Engr., RCA, Moorestown, N.J.

 THRALL, GEORGE P. (S'54-M'58), Assoc. Engr., Douglas Aircraft Corp., El Segundo, Calif.

 THRALL, LEWIS L. (A'53-M'58), Assoc. Engr., Douglas Aircraft Corp., El Segundo, Calif.

 THRAN, DALE P. (M'56), Sugav., Component Test, Collins Radio Co., Cedar Rapidrs, Iowa.

 THRASH, WESLEY D. (S'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., Graham Hopedale Rd., Burlington, N.C.

 THRASHER, PAUL M. (A'47-M'55), Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 THRASHER, PETER J. (A'52), Radician, Federal Electric Corp., Hwy. 17, Paramus, N.J.

 THREKELD, WILLIAM B., JR. (S'55-M'56), Elec. Engr., Amy Ballistic Missile Agency, Redstone Arsenal, Huntsville, Ala.

 THRESH, JAMES L. (A'49), Chief Inspector, Autonetics Div., No.

- Ala.

 THRESH, JAMES L. (A'49), Chief Inspector, Autonetics Div., No. Amer. Aviation, Downey, Calif.

 THRESHER, WILLIAM E. (M'53), Dayton Sales Rep., The W.L. Maxson Corp., 460 W. 34 St., New York 1. N.Y.

 THRIFT, STERLING R. (M'47), Electronics Engr., Tech. Advisor, Chief of Naval Operations, Navy Dept., Washington, D.C.
- THROCKMORTON, CHESTER L. (M'56), Asst. Mgr., Engrg. Liaison, Univac Div., Sperry Rand Corp., Inc., 19 & Allegheny, Philadelphia, Pa.
- legheny, Philadelphia, Pa.

 THROCKMORTON, KENNETH L. (S'49-A'50-M'57), Prod.
 Design, Raytheon Mfg. Co., Waltham 54, Mass.

 THRON, BLAIR K. (M'46), Chief Engr., Asst. Mgr., WFPG, Inc., Steel Pier, Atlantic City, N. J.

 THROOP, LARRY L. (S'55-M'58), Assoc. Engr., Martin Co., Denver, Colo.

 THRUN. ARTHIB C. (A'13) VALON.

- Denver, Colo.

 THRUN, ARTHUR G. (A'31-VA'39), Sales Engr., 520 Engel Blvd., Park Ridge, Ill.

 THRUSH, THOMAS W. (M'58), Engr., Boeing Airplane Co., 80x 707, Renton, Wash.

 THUIRER, JOHN M. (S'56-A'57), Engrg. Lab. Technician, Collins Radio Co., Cedar Rapids, Iowa.

 THULIN, CHARLES W. (S'41-A'42-SM'53), Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.
- Mass.
 THUMM, HAROLD L., JR. (A'55), TV Engr., WTAR Radio Corp., 720 Boush St., Norfolk, Va.
 THUM, ROBERT J. (M'53), Engr. Compagnie Generale de T.S.F., 132 Ave. de Chamart Issy-Les-Moulineau (Seine), France.
- THUNDER, LELAND C. (\$'50-A'51-M'56), Fleld Engr., Westinghouse Elec. Corp., 2519 Wilkens Ave., Baltimore 3, Md.
- THUNEN, GEORGE W. (A'43-M'55), Sales Engr., Humber & Walker Co., 314 12 St., San Francisco 3, Calif.
 THURESSON, RAGNAR G. (S'52-A'53), GE Co., Waynesboro,
- Va.
 THURLOW, MELVIN P. (S'48-A'51-M'58), Engr., Deluxe
 Coils, Inc., Wabash, Ind.
 THURMAN, EUGENE J., JR. (S'50-A'51-M'56), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey,
 Calif.
- THURMAN, ROBERT V. (S'50-A'51-M'56), Electronic Scientist, Naval Ordnance Test Sta., 3202 E. Foothill Blvd., Pasadena, Calif.

- tiss., Mavai Uronance Lest Sta., 3202 E. Foothill 8lvd., Pasadena, Calif.

 THURMOND, FRED S., JR. (A'55-M'59), Project Leader, Research & Dev., Semiconductor Div., Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Ariz.

 THURMOND, JAMES E. (A'58), Engr., Texas Instruments, Inc., 3609 Buffalo Speedway, Houston 35, Tex.

 THURNELL, DUNCAN P. (SM'56), Asst. Chief Engr., G. & E. Bradley Ltd., Neasden Lane, London, N.W. 10, England. THURSTON, EDWARD G. (S'45-A'45-M'55), Research Assoc., Parmly Sound Lab., Illinois Institute of Technology, 3322 S. Deaborn, Chicago 16, Ill.

 THURSTON, JAMES N. (A'44-SM'51), Prof. & Head, Elec. Engra. Dept., Clemson Aarcicultural College. Clemson S. C. THURSTON, MARLIN O. (S'42-A'42-SM'52), Assoc. Prof., Dept. of Elec. Engra., Ohio State Univ., Columbus 10, Ohio.

 THURSTON, PALMER H., (S'52-A'53), Group Supvr., Boe-

- Prof., Dept. of Elec. Engrg., Ohio State Univ., Columbus 10, Ohio.
 THURSTON, PALMER H. (S'52-A'53), Group Supvr., Boeing Airplane Co., Box 97, Melbourne, Fla.
 THURSTON, ROBERT N. (A'55), Physicist, Bell Tel. Labs., Murray Hill, N.J.
 THURSTON, WILLIAM R. (A'43-M'48-SM'50), Engr., Genl. Radio Co., West Concord, Mass.
 THURSTON, WILLIAM R. (A'43-M'57), Instr., North Carolina State College, Raleigh, N.C.
 THURSTONE, FRED RICK L. (S'53-M'57), Instr., North Carolina State College, Raleigh, N.C.
 THWAITES, DAVID F. (S'57-M'59), Maj., USAF, Natl. Security Agency. Ft. Meade, Md.
 TIBBALS, LOWMAN (S'35-A'37-VA'39), Electronic Scientist, USN Electronics Lab., San Diego 52, Calif.
 TIBBETT, JOHN E. (A'57), Engr., Canadian Marconi Co., 8ox 994, St. John's, Nild., Canada.
 TIBBETTS, D. REGINALD (S'33-A'36-SM'51), Chief Engr., United Press Internatl., Box 1000, Moraga, Calif.
 TIBBETTS, GEORGE C. (S'46-A'47-M'55), Dir., Re-
- TIBBETTS, GEORGE C. (S'46-A'47-M'55), Dir., Research, Tibbetts Industries, Inc., Colcord Ave., Camden, Me.
- TIBBITTS, JOHN R. (M'57), Sales Engr., GE Co., Utica,
- N.Y.

 TIBERGHIEN, CHARLES M. J., JR. (\$'53-M'55), Intermediate Electronics Engr., Canadian Marconi Co., 970
 McCachran Ave., Montreal, P. Q., Canada

 TIBERIO, UGO (\$M'55), Titular Prof., Radio Engrg., Univ. of Pisa, Faculta di Ingreuneria, Pisa, Irily.

 TICE, ARTHUR R. (\$M'54), Mgr., Field Engrg., G. V. Controls, Inc., Okner Pkwy., Livingston, N. J.

 TICE, DAVID P. (\$'56-M'58), Assoc. Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 3, MJ.

- TICE, GEORGE Y. (\$'56-M'57), Elec. Engr., Design, RCA,
- Camden, N.J.

 TICE, THOMAS E. (S'46-A'50-M'55-SM'55), Assoc.
 Ptul. & Dir, of Antenna Lab., Dept. of Elec. Engrq.,
 Ohio State Univ., Columbus, Ohio.

- TICHENOR, WILLIAM B. (M'56), Cmdr., USN, Resident Inspector, Naval Material, Ordnance Dept., GE Co., 100 Plastics Ave., Pittsfield, Mass.
- TIGHY, BERNARD W. (M'54), Antenna Engr., Group Leader, Grumman Aircraft Engrg. Corp., \$. Oyster Bay Rd., Bethpage, L.I., N.Y.
- Bethpage, L.I., N.Y.
 IICKNOR, ARTHUR E. (S'50-A'51-M'57), Chief Inspector, Canadian Admiral Corp., Ltd., 501 Lakeshore Rd., Port Credit, Ont., Canada.
 IICKNOR, JOHN M. (A'56), Mgr., Rome Field Office, Hoffman Labs. Div., 1333 E. Domenick St., Rome, N.Y.
 IICKNOR, SERGEI L. (S'58-A'59), Draftsman, 4 Park, Whitney Point, N.Y.
- TIDBALL, FRANK E. (A'44-M'46-SM'56), Staff Elec. Engr., Genl. Kinetics, Inc., 555 23 St., S., Arlington, Va.

- Va.

 TIDD, LEBERT D. (A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 TIDD, WARREN H. (SM'45), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 TIDUS, DAVID B. (M'57), Project Mgr., Litton Industries, 336 N. Foothill Rd., Severly Hills, Calif.

 TIDWELL, BILLY B. (A'51-M'58), Project Engr., GE Co., Syracuse, N.Y.

- IIDWELL, BILLY B. (A'51-M'58), Project Engr., GE Co., Syracuse, N.Y.

 IDWELL, GORDON L. (S'56-M'57), Assoc. Engr., Convair-Astronautics, San Diego, Calif.

 IDWELL, RDY M. (S'53-M'55), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 IIEDEMAN, CHARLES R. (S'51-A'52-M'55), Engr., Douglas Aircraft Co., Sacramento, Calif.

 IIEDEMANN, ARTHUR T. (M'59), Asst. Prof., Elec. Engrg., Univ. of Wisconsin, Madison, Wis.

 IIEMAN, CHARLES R. (A'43-M'52-SM'53), Staff Engr., Bendix Systems Div., 3300 Plymouth, Ann Arbor, Mich.

 IIEMANN, JEROME J. (M'59), Physicist, Research Labs., GE Co., Schemectady, N.Y.

 IIEMANN, ROBERT F. (M'57), Test Engr., Ramo-Wooldridge Corp., Denver, Colo.

 IEN, PING K. (S'49-A'51-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 ILENG, KIT-YIN (S'55-M'57), Research Asst., Willow Run Labs., Univ. of Michigan, Willow Run Airport, Ypsllantl, Mich.

- Mich.
 TIERNAN, FRANK V. (S'55-M'56), Assoc. Engr., Sperry
 Gyroscope Co., Carle Place, L.I., N.Y.
 TIERNEY, DONALD R. (S'56-M'58), Engr., Sperry Electronic Tube Div., Gainesville, Fla.
 TIERNEY, JAMES W. (M'57), Chief Engr., WCAX &
 WCAX-TV, 100 Market Sq., Burlington, Vt.
 TIERNEY, JOSEPH (S'54-M'57), Staff Engr., Hycon
 Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42,
 Mass.

- Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass.

 TIERNEY, PAUL V. (A'54), Electronics Engr., Alexander industries, Inc., 21 St. & Grand Ave., Parsons, Kan.

 TIERNEY, THOMAS J. (M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 TIESZEN, D. JEROME (M'58), Group Head Engr., Electronics, ITT Federal Div., Ft. Wayne, Ind.

 TIETJEN, HARRY (S'58-A'58), Field Technician, RCA Service Co., 2964 Apple St., Dayton, Ohio.

 TIEZZI, ANTHONY A. (SM'56), Field Engr., Sprague Electric Co., Marshall St., North Adams, Mass.

 TIEFZIN, C. BRADFORD (A'51-M'57), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.

 TIFFIN, CHARLES M. (A'53), Dev. Engr., ITT Labs., Nutley 10, N.J.

 TIGER, HYMAN S. (A'49-M'57), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

 TIGHE, MATTHEW J. (A'57), Electronics Technician, FAA, Box 1689, Ft. Worth, Tex.

 TIGHE, ROBERT F. (S'53-A'58), Research Engr., Boeing Airplane Co., Seattle, Wash.

 TIHANOVICH, WALTER P. (S'56-A'59), Field Service Rep., Ge Co., Johnson City, N.Y.

 TIHKAN, GUIDO (S'53-A'54), 2515 E. Drachman St., Tucson, Arlz.

 TIKCALAH, PETER (S'56-A'58), Tech. Aid, 8ell Tel.

- TIKOIAN, PETER (S'56-A'58), Tech. Aid, 8ell Tel. Labs., Whippany, N.J.
- TILEY, JOHN W. (A'43-M'45-SM'57), Research Scientist, Philico Corp., Abbotsford & Wissahickon Ave., Philadelphia, Pa.
- TILKENS, GENE C. (M'56), Electronics Engr., Hughes Aircraft Co., Fullerton, Calif.

 TILL, WILLIAM C. (S'55-M'57), Engr., Dev., Addressograph-Multigraph Corp., 1200 Babbit Rd., Cleveland, Ohio.
- Unio.
 TILLER, JOHN L., JR. (S'57-M'58), Elec. Engr., Hughes
 Aircraft Co., Culver City, Calif.
 TILLER, ROY W. (A'55), Ground Training Telecommunications, Dept. of Natl. Defense, RCAF Training Command,
 Winnipeg, Man., Canada.

- Winnipeg, Man., Canada.

 TILLER, WILLIAM H. (S'57-M'58), Assoc. Evaluation Engr., Minneapolis-Honeywell Regulator Co., 13350 U. S. Hwy. 19, St. Petersburg, Fla.

 TILLERY, RAYMOND J. (S'55-M'58), 1341 Vassar, N.E., Albuquerque, N.M.

 TILLEY, AUBRAE. (M'45), Div. Supvr., Geophysics, California Research Corp., 8ox 446, LaHabra, Calif.

 TILLEY, HENRY H. (A'43-SM'47), Chief Engr., WOR Div., RKO Teleradio Pictures, Inc., 1440 Broadway, New York 18, N.Y.

 TILLEY, JOHN H. (S'55-M'57) Mam. Tech Staff Ball

- 18, N.Y.

 TILLEY, JOHN H. (S'55-M'57), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.

 TILLISTRAND, CHARLES O. (A'54-M'59), Engr., New
 York Telephone Co., 140 West St., New York 7. N.Y.

 TILLMAN, ALBERT F. (S'55-M'59), Engr., Philoc Corp.,
 4700 Wissahlckon Ave., Philadelphia 44, Pa.

 TILLMAN, JAMES D., JR. (M'53), Assoc. Prof., Elec.
 Engr., Univ. of Tennessee, Ferris Hall, Knoxville, Tenn.
 TILLMAN, JAMES E. (S'54-A'59), MIT Lincoln Lab.,
 Box 73, Lexington 73, Mai3.
- BOX 73, Lexington 73, Mas3.
 TILLMAN, JAMES T., JR. (A'54), Dev. & Design Engr.,
 GE Co., Syracuse, N.Y.
 TILLMAN, JOHN E. (A'45-SM'49), Plant Mgr., CG Electronics Corp., 15000 Central Ave., E., Albusuercuse, N. M.
 TILLMAN, LEONARD (S'51-M'56), Electronics Engr.,
 Republic Adviation Corp., 223 Jericho Tpke., Mineola,
 L.I., N.Y.
- TILLMAN, ROBERT M. (M'56), Dev. Engr., Burroughs Research Center, Pacli, Pa

- TILLMAN, WALTER F. (S'50-A'51-M'58), Dev. Engr., Goodyear Aircraft Corp., Litchfield Park, Ariz. TILLOTSON, JAMES G. (S'46-A'48-M'55), Prof. Physics, Acadia Univ., Box 55, Wolfville, N. S., Canada. TILLOTSON, JAMES H. (S'45-A'50-M'55), Research Scientist, Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

- Hills, Calif.

 TILLOTSON, LEROY C. (SM'50), Tech. Staff, Bell Tel. Labs., Box 107, Red Bank, N.J.

 TILLY, VERNON F. (A'47-M'49), Publications Sect. Head, Marine Div., Sperry Gyroscope Co., Great Neck, L.J., N.Y.

 TILLYER, EDGAR D. (M'41-SM'43), Genl. Research Consultant. American Optical Co., Southbridge, Mass.

 TILTON, CHARLES S. (SM'56), Research Engr., Aeronautical Instrumentation, Chief Instrumentation Branch, Balloon Dev. Lab., Air Force Cambridge Research Center, Hanscom
- Field. Bedford. Mass.

 TILTON, DAVID S. (S'48-A'49-M'55), Engr., Electronics
 Div., Van Norman Industries, Inc., Granite St., Manchester,
 N.H.
- TIMBERLAKE, FLOYD A. (SM'53), Chief Engr., WKBW-TV, Inc.. 1420 Main St.. Buffalo 9, N.Y.
 IMINERI, ANTHONY A. (A'50-M'55), Engrg. Rep., 6845
 Louise Ave.. Van Nuvs, Calif.
 TIMM, FRED W. (A'56), Fleld Engr., Philco Corp., C &
 Tioga Sts., Philadelphia 34, Pa.

- IIOga Sts., Philadelphila 34, Pa.
 TIMM, JOHN D. (A156), Engr., Computer Control Co., Inc.,
 Box 2005, Oxnard, Callf.
 TIMM, OTTO C. A. (A156), Engr.-In-Chg., Instrument Lab.,
 Stromberg-Carlson Co., 1400 N. Goodman St., Rochester
 9, N.Y.
- 9, N.Y.

 TIMM, RAYMOND S. (A'47-M'50-5M'57), Research Branch
 Leader, Analytic Services, Inc., 1101 N. Royal St., Va.

 TIMM, WALTER C. (S'33-A'55), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N.J.

 TIMM, WAYNE E. (S'57-M'58), 6702 14 Ave., N.W.,

 Seattle 7, Wash
- Jeaule /, Wash.

 TIMMERMAN, FRED (M'41-SM'57), Col., USA, Retired, Special Asst. to Signal Officer, Signal Div., U.S. Army, Europe, APO 403, New York, N.Y.

 TIMMERMAN, HAROLD A. (S'4B-A'50-SM'57), Genl. Engr., Range Dir. Staff, Pacific Missile Range, Point Mugu, Calif.

- MUGUI, CAIT.

 TIMMERS, ALBERT G. W. (M'54), Telecommunications
 Systems Engr., RCAF-CTel-ATSC, Victoria Island, Ottawa,
 Ont., Canada.

 TIMMINGS, GEORGE H. (A'43-SM'45), Owner, Sun
 Canacitors, 2554 W. Lawrence St., Chicago 25, III.
 TIMMS, ALLAN S. (A'51), Field Sales Engr., RCA, 200
 Berkeley St., Boston 16, Mass.

- Berkeley St., Boston 16, Mass,
 TIMMS, ROBERT J. (M'55), Sr. Engr., Sperty Gyroscope
 Co., Great Neck, L.I., N.Y.
 TIMOSHENKO, G. S. (A'45-5M'57), Prof. & Head, Elec.
 Engro. Dept., Juliv. of Connecticut, Storrs, Conn.
 TIMOTHY, KEITH O. (S'4B-A'51-M'57), Engr., Interstate
 Electronics Corp., 707 E. Vermont, Anahelm, Calif.
 TIMPERMAN, ERNEST J. (S'50-A'52-M'57), Project Engr.,
 The Baldwin Plano Co., 1801 Gilbert Ave., Cincinnati
 2, Ohio.
- TIMS, EUGENE F. (A'4B-SM'54), Chief Engr., Test & Checkout Equipment, Martin Co., Orlando, Fla.
 TINCH, CARL S., JR. (A'53), Staff Engr., Collins Radio Co., Cedar Rapids. lowa.
- Co., Cedar Rapids. iowa.

 TiNDALL, KENNETH V, (M'54), Asst. Sales Mgr., Arnoux Corp.. 11924 W. Washington Blvd., Los Angeles, Calif.

 TiNGLEY, E, M., JR. (S'42-A'44-M'55), Radio Engr., Sears, Roebuck & Co., 925 S. Homan Ave., Chicago, III.

 TINGLEY, FREDERICK M. (M'57), Research Engr., Melpar, Inc.. 43 Leon St., Boston. Mass.

 TiNGLEY, FREEMAN T. (A'40-M'55), Prof., Elec. Engrg., Missouri School of Mines, Univ. of Missouri, Rolla, Mo.

 TINGLEY, GEORGE R. (A'38), Mor., TV Dept., Norden-Ketay Corp., 121 Westmoreland Ave., White Plains, N.Y.

 TINGLEY, ROBERT G. (S'55-M'57), Assoc. Engr., Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

 TINK, EDWARD M. (M'57), Dir., Engrg., KWWI-TV.

- Santa Monica, Calif.

 TINX, EDWARD M. (M'57), Dir., Engrg., KWWL-TV, E. 4 & Franklin Sts., Waterloo, Iowa.

 TINKER, FREDERICK B. (S'50-A'54-M'59), V.P., Rogers Organ Co., Box 96, Beaverton. Ore.

 TINKHAM, HERBERT J. (M'5B), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus 19, Ohio.

 TINKHAM, MERTON E. (A'45), Research Engr., Draper Corp., Hopedale, Mass.

 TINKLER, DWIGHT M. (S'55-M'57), Aerophysics Engr., Convair, Ft. Worth 16, Tex.

 TINKLER, EDWIN B. (A'59), Supv., Manitoba Telephone System, 166 Portage Ave., E., Winnipeg, Man., Canada.

 TINKLER, ROBERT F. (M'52), Shop Supt., Manitoba Telephone System, 1326 Eilice Ave., Winnipeg, Man., Canada.
- TINNEY, PRENTICE (M'56-SM'5B), Sr. Electronics Design Engr., No. Amer. Aviation, Internati. Airport, Los Angeles 45, Calif.
- TINSLEY, CARL G. (M¹56), Dev. Engr., Semiconductor Prods. Div., Motorola, Inc., 5005 E. McDowell, Phoenix, Ariz.
- TINSLEY, WALTON E. (S'43-A'45-M'50), Atty., Harris, Klech, Russell & Kern, 417 S. Hill St., Los Angeles 13, Calif.
- IINT, GLBERT (S'52-A'54-M'58), Chief Engr., Nati. Ultrasonic Corp., 111 Montgomery Ave., Irvington, N.J. TINUS, WILLIAM C. (A'31-M'36-SM'43-F'51), V.P., Bell Tel, Labs., Whippany, N.J. TIONAYTIS, CLEMENT J. (A'51), Sr. Engr., ITT Labs., Nutley 10, N.J.
- TIPPERY, MILES W. (A'50-M'52), Retired, Deer Harbor,

- Wash.

 TIPPETT, JAMES T. (S'53-M'55), Electronics Engr.,
 Debt. of Defense, Washington 25, D.C.

 TIPPING, CARLTON C., JR. (A'47-M'53), Design Engr.,
 Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 TIPPLE, H. LIONEL (M'47), Mgr., New Prods. Dev., Nati.
 Carbon Co., 805 Davenoort Rd., Toronto 4, Ont., Canada.

 TIPTON, CHARLES D. (S'48-A'52-M'55-SM'57), Dept.
 Head, Collins Radio Co., 1930 Hilline Dr., Dallas 7, Tex.

 TIPTON, ORBERT W. (A'56), Sr. Support Engr., Martin
 Co., Orlando, Fla.

 TIPTON, WILBUR F. (A'43-M'47), Research Flec. Engr.
- Co., Órlando, Fla.
 TIPTON, WILBUR F. (A'43-M'47), Research Elec. Engr.,
 E.I. du Pont de Nemours & Co., Gibbstown, N.J.

- TIRRELL, CLYDE W. (A'42-M'47), Sect. Head, Antenna Systems Engrg. Sect., Electro Magnetics Div., USN Electronics Lab., San Diego 52, Calif.
 ISCHER, FRIEDRICH J. (SM*55), Assoc. Prof., Ohio State Univ., Elec. Engrg. Dept., Columbus, Ohio.
 ISCHLER, MORRIS (M'47), Teacher, Electronics, Polytechnic Institute, North Ave., Baltimore, Md.
 ISDALE, GLENN E. (S'47-A'49-M'55), Systems Dept. Mgr., Electro-Mechanical Research, Inc., Fruitville Rd., Sarasota, Fla.
 ISDALE, JOHN W. (A'59), Test Engr., Ensco., Inc., 588

- Sardsota, Fla.

 TISDALE, JOHN W. (A'59), Test Engr., Epsco, Inc., 588
 Commonwealth Ave., Boston 15, Mass.

 TISDALE, STANLEYE. (S'53-A'54), Project Engr.,
 Bendix Radio Div., Baltimore 4, Md.

 TISDALE, WARREN G. (S'55-A'56), Customer Engr.,
 IBM, 1005 E. Yandell Blud., ElPaso, Tex.

 TISKA, CLEMENS C. (M'59), Analyst, Sound & Vibrations,
 GE Co., Louisville, Ky.

 TISSI, PLINIO (A'59), Institute Tech. Da Aeronautica, San
 Jose Dos Campos, Sao Paulo, Brazil.

 TISSOT, THOMAS P., JR. (A'45-M'52), Project Engr.,
 RCA. Moorestown, N.J.

 TSUE, JAMES G. (S'55-M'59), Research Engr., Lockheed
 Aircraft Corp., Sunnyvale, Calif.

- Aircraft Loro., Sunnyvale, Calif.
 TITCOMB, FORREST C. (A'52-M'57), Electronic Scientist,
 Naval Research Lab., Washington 25, D.C.
 TITCOMB, RODNEY D. (S'50-A'53-M'57), Field Engr.,
 RCA, Service Co., Inc., 2752 Lyle Ct., Santa Clara,
 Calif.
- TITEFSKY, ELIAS J. (S'50-A'51-M'57), Project Engr.,
 I.T.E. Circuit Breaker Co., 601 E. Erie. Philadelphia, Pa.
 TITEN, HARVEY (M'55), Asst. Tech. Dir., Martin Co.,
 Baltimore 3, Md.
 TITLE, REUBEN S. (M'57), Staff Physicist, 18M, PoughVenencia M.

- HILLE, NEUDEN S. (M'57), Staff Physicist, I8M, Poughkeepsie, N.Y.

 TITLEBAUM, BARRY M. (S'54-M'58), Sr. Engr., Raytheon
 Mfg. Co., Burlington, Mass.

 TITSWORTH, ROBERT C. (S'5B-M'59), Research Engr.,
 Jet Propulsion Lab., Pasadena, Calif.

 TITTLE, CHARLES W. (A'44-M'46-SM'49), Prof., Nuclear
 Engrg., Southern Methodist Univ., Dallas 5, Texas.

 TITTLE, HURLBURT C. (A'27-M'55), Mgr., Sylvania
 Elec. Prods., Inc., 175 Great Arrow St., Buffalo, N.Y.

 TITUS, CHARLES H. (A'53-M'58), Mgr., Engrg. Research
 & Development Lab., GE Co., 6901 Elmwood Ave., Philadelphia 42, Pa.

 TITUS, CHARLES K. (S'49-A'51-M'56), Supvy. Engr.,
 Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 TITUS, DONALD C. (S'56-M'58), Jr. Engr., Emerson
 Research Labs., 701 Lamont St., N.W., Washington 10,
 D.C.

 TITUS, GENE W. (S'56-M'59), Asco., Engr., Science
- D.C.

 TITUS, GENE W. (S'56-M'59), Assoc. Engr., Digital Commuter Design, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 TIVY, ROBERT C. (M'58), Production Control Mgr., Automatic Electric (Canada), Ltd., 100 Strowger Blvd., Brockville, Ont., Canada.

 TJADEN, LESLIE L. (M'56), Electronics Engr., Engrg. Dept., Inspector of Naval Material, 1206 Santee St., Los Angeles, Calif.

- TKACH, GEORGE D. (S'54-M'56), Mgr., Memory Core Dept., Genl. Ceramics Corp., Crow Mills Rd., Keasbey, N.J.
- N.J.

 TKACH, HAROLD V. (A'51-M'53), Genl. Mgr. & Chmn.
 Bd. of Directors & Pres., Mobile Radlo Engrg., Inc., 620
 N. 6 St., Minneapolis 11, Minn.

 TKACHUK, JULIAN J. (M'54), Electronic Technician, U.S.
 Civil Service USNOTS, China Lake. Calif.
 KATSH, MOSHE (A'52-M'57), Research Engr., Scientific
 Debt., Ministry of Defence, Box 7063, Hakirya, Tel-Aviv,
 Israel.

- TLAPA, JOSEPH A. (M'52), Instr., DeVry Tech. Institute, 4141 W. Belmont Ave., Chicago, III.
 TOBACK, PERRY L. (S'49-A'50-M'56), Dir., Research & Dev., Radiation Counter Labs., 5121 Grove St., Skokle, III.
- TOBE, SAMUEL S. (SM'56), Geni. Engr., U. S. Naval Air Development Center. AWRD, Johnsville, Pa. TOBER, HENDRIK (M'58), Engr., Canadair, Ltd., Montreal, P.Q., Canada.
- TOBERMAN, ALBERT J. (SM'56), Sect. Head, Defense Systems Lab., Motorola, Inc., 3102 N. 56 St., Phoenix,
- TOBIAS , JOSEPH (M'58) , Engr. , GE Co. . Utica , N.Y. TOBIAS , JOSEPH (M'59) , Engr. , ITT Labs. , Nutley 10 ,
- TOBIAS, JOSEPH J. (M'57), Physicist, Wright Air Development Center, Wright-Patterson AFB, Ohlo.

 TOBIAS, WILLIAM T. (M'52), Supvy. Electronics Engr., U. S. Army Signal Engrg. Labs., The Hexagon, Ft. Monmouth, N.J.

- mouth, N.J.

 TOBIN, FRANK H. (M'56), Supvr., Prod. Engrg., Sylvania Elec. Prods., Inc. . Woburn, Mass.

 TOBIN, GERALD C. (A'39), Mem. Tech. Staff, Hughes Aircraft Co.. Culver City, Calif.

 TOBIN, MICHAEL W. (S'48-A'49-M'55), Research Assoc., Biophysics New York State Univ., College of Medicine, Dept. Psychiatry, 606 Winthrop St., Brooklyn 3, N.Y.

 TOBIN, ROLPH D. (A'46-M'57), Components & Materials Engr., Minneapolis-Honeywell Ordnance Div., 600 2nd St., N., Hopkins, Minn.

 TOBLER, CHARLES R. (S'47-A'48-M'55), Electronics Maint. Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

- TOBOLSKI, JAN (S'54-M'59), Scientific Officer, British Iron & Steel Research Assn., 140 Batterseapark Rd., London, S.W. 11, England. TOCCI, DOMINIC P. (A'50-M'56), Program Engr., FAA, Federal Bidg., New York Internat!. Airport, Jamaica, L.I., N.Y.
- N.Y.

 TOCKEY, ROBERT J. (S'54-A'55), Staff Mem., Sandia Corp., Box 969, Livermore, Calif.

 TOCZLOWSKI, HERRY S. (SM'57), Dir., Sales Mgr., Beaconing Optical & Precision Materials Co., Ltd., 455 Craig St., W. Montreal, P.O., Canada.

 TODARO, COSMO N. (S'49-A'51-M'56), Field Test Engr., Boeing Airplane, Box 97, Melbourne, Fla.

 TODD, ALVA C. (A'38-M'47-SM'54), Research Engr., Armour Research Foundation of IIT., 10 W. 35 St., Chicago 16, III.

- TODD, ARTHUR W. (A'56), Dir. Purch. Engrg., Lincoln Electric Co., Box 3115, Cleveland 17, Ohio.
 TODD, 8. JOE (S'50-A'53-M'58), Supy, Electronics Scientist, Naval Ordnance Lab., Corona, Calif.
 TODD, CARL D. (S'52-M'55), Semiconductor Engr., GE Co., Syracuse, N,Y.
 TODD, CARL R. (A'52-M'57), Prolect Engr., Philoc Corp., 4700 Wissahickon Av., Philadelphia 44, Pa.
 TODD, EUGENE G. (S'56-M'59), Mem. Tech. Staff, Hughes Research Labs., Culver City, Calif.
 TODD, FRANK J. (M'46), Supt., Aircraft Radio & Electrical Equipment, United Air Lines, Inc., Stapleton Airfield, Denver, Coto.
- Coto.

 TODD, HAROLD C. (A'56), Service Engr., Electronics Publications, Boeing Airplane Co., Seattle, Wash.

 TODD, HERMAN F. E. (A'56), Electronics Technician, Engro., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Om., Canada.

 TODD, JAMES L., JR. (S'57-M'59), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.

 TODD, LAWRENCE L. (A'58), Micro-Wave Technician, Sylvania Micro-wave Physics Lab., 820 Fabian Way, Palo Alto, Calif.

- TODD, M. CURTIS (M¹46), Pres. & Myr., Todd Electric Co., Wendell, N.C.
- Wendell, N.C.
 TODD, MALCOLM A. (S'54-M'56), Instrumentation Engr.,
 Vitro Corp. of Amer., Elgin AFB. Fla.
 TODD, PAUL G. (S'51-A'52-M'58), Chief Prod. Engr.,
 Consolidated Avionics, 800 Shames Dr., Westbury, L.I.,
 N.Y.

- N.Y.

 TODD, ROBERT H. (M'56), Supvr., Engr., Bendix Aviation
 Corp.. Ann Arbor, Mich.

 TODD, SAMUEL R. (M'47-SM'49), Consulting Elec. Engr.,
 2037 W. Churchill St., Chicago 47, III.

 TODD, SAMFORD E. (S'51-A'52-M'57), Pres., Todd Electric Co., Inc., 6 Brook St., Yonkers, N.Y.

 TODD, WILLIAM (M'43), Chief, Meteorological Instrumentation Branch, U.S. Army Signal Engrg, Lab., Evans Area, Belmar, N.J.
- mar, N.J.

 TODES, RENANS. (S'4B-A'49-M'55), Supvy, Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. o

 TOENSE, EARLE R. (S'4B-A'51-M'56), Electronics Scientist, Computer Lab., Natl. Bureau of Standards, Washington
 25, D.C.
- 25, D.C.
 TOENSE, RAYMOND A., JR. (S'4B-A'50-M'5B), Electronics Scientist, Natl. Bureau of Standards, Washington 25, D.C.
 TOEPEL, WALTER A. (A'46), Mgr. Sales Engrg., Parker Kalon Div., Genl. American Transportation Corp., Pekay Dr., Clifton, N. J.
- TOEPPE, WILLIAM J., JR. (S'53-A'54-M'57), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif.

- TOEPPE, WILLIAM J., JR. (S'53-A'54-M'57), Liectronics Engr., Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif.
 TOEPPEN, MANFRED K. (M'43-SM'43), Consulting Engr., 10921 1/2 Ashton, Los Angeles 24, Calif. Engr., Northrop Aircraft, Inc., Hawthorne, Calif.
 TOFFLER, JEROME E. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co.. Culver City, Calif.
 TOFT, HOWARD L. (M'56), Pres., American Printed Circuits Co., 104 Forrest St., Metuchen, N. J.
 TOFT, SOREN C. (S'57-M'58), Research Engr., Microwave Lab., 10 Ostervoldgade, Copenhagen K., Denmark.
 TOGINO, KAZUTO (M'57), Chief Researcher, The Govt. Mech. Lab., Sumiyoshi-Cho, Suginami-Ku. Tokyo, Japan.
 TOKAD, YILMAZ M. (A'53), Elec. Engro. Deet., Michigan State Univ., East Lansing, Mich.
 TOLAN, DANIEL J. (M'58), Sales Engr., Hollingsworth & Still, 508 Whitehead Bldg., Atlanta, Ga.
 TOLAND, WILLIAM A. (A'55-M'56), Plant Staff Technician, Mountain States Telephone & Telegraph Co., 510 Texas St., El Paso, Tex.
 TOLBERT, CHARLES W. (M'49-SM'55), Radio Engr., Elec. Engrg. Research Lab., Univ. of Texas, Austin, Tex.
 TOLEDO, RICHARD E. (A'58), Jr. Electronics Engr., Mel par, Inc., 3000 Arlington Blvd., Falls Church, Va.
 TOLJ, HENRY D. (S'51-A'52-M'57), Project Engr., Bendix Radio Co., Joppa Rd., Towson 4, Md.
 TOLL, PHILIP A. (A'56), Data Processing Mgr., Sperry Gyroscope Co.. Great Neck, L.1., N.Y.
 TOLLEFSON, JAMES C. (S'57-M'58), Group Head, Collins Radio Co., Cedar Rapids, lowa.

- TOLLERSON, JAMES C. (S'57-M'58), Capt., USAF, Staff Electronics Officer Wright Air Development Center, Det. 1, Lackland AFB, Tex.

 TOLLES, WALTER E. (M'46-SM'56), Head, Dept. of Medical & Biological Physics, Airborne Instrument Lab., Mineola, L.I., N.Y.

- L.I., N.Y.

 TOLLEY, FRED N. (S'58), Asst. Engr., Western Electric Co., 800 Merrit Dr., Greensboro, N.C.

 TOLLIVER, JOHN S. (M'59), Special Agent, FBI, U.S.D.J., Washington 25, D.C.

 TOLLIVER, PETER M. (M'58), Sr. Electronics Engr., Strombero-Carlson Co., 1400 N. Goodman St., Rochester 9. N.Y.

 TOLMIE, JOHN R. (M'15-A'18-M'32-SM'43-F'55), Retired, 1624 Børen Ave., Seattle 1, Wash.

 TOLOPKO, LEON N. (A'58), 90 Park Terrace, E., New York 34, N.Y.
- 34, N.Y.

 OLOS, GEORGE, JR. (S'57-M'58), Engr., Martin Co.,
 Baltimore, Md.

 TOLSCH, IRVING H. (A'48-M'53-SM'57), Engrg. Sect.
 Head., Sperry Piedmont Co., Charlottesville, Va.

 TOM, HUNTER (S'46-A'49-M'55), Capt., USAF, Elec.
 Engr., Hars., PACAF, APO 953, San Francisco, Calif.

 TOM, JOHN (M'57), Design & Dev. Engr., RCA, Defense
 Electronics Prods., Camden, N.J.

 TOMA, VICTOR I. (M'57), Chief, Lab. for Electronics Computers, The Institute of Atomic Physics, Bucharest, Magurele,
 Rumania.
- TOMAINO, MICHAEL F. (M'57), Assoc. Editor, Electronics, McGraw-Hill Publishing Co., 330 W. 42 St., New York, N.Y.
- N.Y.

 TOMAN, JOHN R. (S'56-M'57), Mem. Tech. Staff, Hughes
 Aircraft Co., Culver City, Calif.

 TOMAN, JOSEPH J. (A'51), Dir., Purchases, Tech. Materiel
 Corp., 700 Fenimore Rd., Mamaroneck, N.Y.

 TOMAN, KURT (A'52-M'57), Scientist, Geophysics Research
 Directorate, Air Force Cambridge Research Center, Bedford,
 Mass.
- TOMAN, WILLIAM J. V. (M'47), Dev. Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

TOM-TRA - 409 -

- TOMANOCY, JOSEPH A. (S'57-M'59), Asst. Programming Engr., Cleveland Electric Illuminating Co., 55 Public Sq., Cleveland, Ohio.
- TOMAR, ROBERT M. (A'56), Chief, Industrial Survey Branch, U.S. Amy Signal Supply Agency, 225 S. 18 St., Philadel-phia 3, Pa.
- phia 3, Pa.
 TOMAS, SAMUEL M. (S'55-M'59), Jr. Engr., Philco Corp.,
 3875 Fabian Way, Palo Alto, Calif.
 TOMASH, ERWIN (S'46-A'48-SM'54), Pres., Telemeter
 Magnetics, Inc., 2245 Pontius Ave., Los Angeles 64, Calif.
 TOMASS, JANIS (S'57-A'58), 26 Akron St., Roxbury 19,
- MASSINI, ENNIO V. (A'59), Soc. Gen. Semiconduttori, 1 Via C. Divetti, Agrate Milano, Italy. 70MASULO, ROBERT M. (S'55-M'57), Assoc. Engr., IBM, Poushkeepsie, N.Y.
- POUGMEEDSIE, N.Y.
 OMASULO, VINCENT D. (S'55-M'58), Electronics Engr., Hughes Airoraft Co., 3801 Artesla St., Fullerton, Calif.
 TOMASZEWICZ, JOHN S. (S'57-M'59), 25 W. Icker Ave., South River, N.J.
 TOMASZEWSKI, CARLOS A. (M'57), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 15, N.Y.
- 15, N.Y.

 TOMASZEWSKI, JOHN A. (S'57-M'59), Elec. Engr., Allen B. Oumont Labs., inc., 35 Market St., East Paterson, N.J.

 TOMBERG, SIDNEY (A'49), Chief, Radar & Terrain Avoidance Sect., Weapons Guidance Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 TOMBERG, VICTOR T. (SM'55), Research & Consulting Physicist-Eigr., Biophysical Research Lab., 84-25 Elmhurst Ave., Elmhurst 73, L.I., N.Y.

 TOMBERLIN, JAMES L. (M'56), Electronics Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 TOMCAK, JOHN F. (A'54), Chief Elec. Engr., Parker McCrory Mig. Co., 2609 Walnut, Kansas City B., Mo.

 TOMCIK, DANIEL J. (S'43-A'45-M'53), Chief Electronics Engr., Electro Voice, Inc., Buchanan, Mich.

 TOMCIK, NICHOLAS (A'55), 119 Annette St., Toronto 9,

- Engr., Electro Voice, Inc., Buchanan, Mich.
 TOMCIO, NICHOLAS (A'55), 119 Annette St., Toronto 9,
 Ont., Canada.
 TOMEI, JOSEPH B. (S'58-M'59), Electronics Engr., Bell
 Aircraft Corp., Buffalo 5, N. Y.
 TOMES, SIDNEY R. (SM'53), Prod. Mgr., Acoustica Associates, Inc., 26 Windsor Ave., Mineola, L. I., N. Y.
 TOMEY, JERRY G. (M'53), Chief Engr., Plastoid Corp.,
 Hamburg, N. J.
 TOMIKAWA KOLIR. (A'55), Research Engr., Hughes Air-
- TOMIKAWA, KOJI B. (A'55), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 TOMITA, HARRY H. (S'55-M'57), Electronics Engr., Lockheed Missile Systems Div., 7701 Woodley, Van Nuys, Calif.
- TDMIYASU, KIYO (S'41-A'42-M'49-SM'52), Consulting Engr., GE Microwave Lab., 6D1 California Ave., Palo Alto, Calif.
- Alto, Calif.

 TOMLIN, EDGAR W., III. (A'59), D Btry., 1st Regiment, School Brigade, Ft., Bliss, Tex.

 TOMLIN, WILLIAM T. (A'51-M'56), Project Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

 TOMLINSON, CHARLES C. (M'54-SM'57), Project Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 TOMLINSON, JACK W. (M'59), Engr., Radiation, Inc., Melbourne, Fla.

 TOMLINSON, JOHN M. (S'50-A'53-M'58), Engr., GE
 Co., Schenectady, N.Y.

 TOMLINSON, ZANE G. (S'52-A'53), Assoc. Engr., Ouglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.

- Cail .

 TOMMER ROAHL, JAMES B. (S'53-M'56), Sr. Engr., Radiation, Inc., Melbourne, Fla.

 TOMMER, SIGVARD J. (M'55), Head, Special Tube Dept.,
 AB Svenska Elektronror, Lumavagen 6, Stockholm 20,
 Sweden.
- Sweden.

 TOMONO, MASAMI (A'54), Chief, Semi-Conductor Sect.,
 Central Research Lab., Hilachi, Ltd., 4, 1-Chome,
 Marunouchi, Chiyoda-ku, Tokyo, Japan.

 TOMOTA, MIYAJI (SM'53), Dir. & Chief Engr., Yokogawa
 Electric Works, Ltd., 3000, Kicilijoji, Musashino-Shi,
 Tokyo, Japan.

- Electric Works, Ltd., 3000, Kichijoji, Musashino-Shi, Tokyo, Japan

 TOMPKINS, 8RAINARD E. (S'54-A'55), Technician, RCA, Princeton, N.J.

 TOMPKINS, EDWIN H., JR. (S'48-A'50-M'56), Mem. Tech, Staff, Space Technology Labs., inc., Box 95001, Los Angeles 45, Calif.

 TOMPKINS, HEREERT S. (A'56), Electronics Engr., Douglas Aircraft, 2000 N. Memorial, Tulsa, Okla.

 TOMPKINS, HOWARD E. (A'45-M'50-SM'56), Asst. Prof., Elec. Engrg., Moore School of Elec. Engrg., Univ of Pennsylvania, 200 S. 33 St., Philadelphia 4, Pa.

 TOMPKINS, JOSEPH S. (S'52-A'54), Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.

 TOMPOS, ANTHONY (S'54-M'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.

 TOMPOS, STEPHER F. (A'44), Electronics Engr., U. S. Amy Signal Engrg. Labs., Detroit Arsenal, Center Line, Mich.

 TOMPSON, EDWARD C. (A'47). Writer & Dublic Bataline.
- Mich.

 TOMPSON, EDWARD C. (A'47), Writer & Public Relations
 Counsel, 59 E. Reid Pl., Verona, N. J.

 TOMS, EVERETT C. (A'44-M'55), Mgr., Communications
 Sales, Graybar Electric Co., Inc., 10 S. 6 St., Richmond

- Counser, 2, 1-1.

 TOMS, EVERETT C. (A'44-M'55), Mgr., Communications Sales, Graybar Electric Co., Inc., 10 S. 6 St., Richmond 26, Va.

 TOMA, CARMEN J. (S'51-A'52-M'57), Assoc. Electronics Engr., Cornell Aeronautical Lab., Inc., Box 235, Buffalo 21, N.Y.

 TOMAI, YUTAKA (S'57-M'58), Engr., Consulting Radio Engrs., Box 933, Beverly Hills, Calif.

 TOMCICH, STANKO V. (M'56), Dev. Engr., Bird Electronic Corp., 1800 E. 38 St., Cleveland 14, Ohio.

 TOMOREAU, HARRY J. (M'57), Microwave Engr., Hughes Aireraft Co., Culver City, Calif.

 TOMG, EDWARD (A'45-M'54), Asst. Chief Engr., WDSU Broadcasting Corp., 520 Royal St., New Orleans, La. TOMG, FRANCIS F. (M'57), Production Engr., Warwick Mfg. Co., 27 & Deborah, Zion, Ill.

 TOMG, KAY C. (S'50-A'51), Research Engr., Northrop Aircraft, Inc., Hawthorne, Calif.

 TOMG, STANLEY R. (S'50-A'53-M'57), Project Coordinator, Consolidated Electrodynamics Corp., Datatape Div., 325 Halstead, Pasadena 15, Calif.

 TOMGUE, BEN H., (S'45-A'46-M'55-SM'58), Pres., Blonder-Tonque Labs., 9 Alling St., Newark, N.J.

- TONN, JAMES L. (A'52), Technician, CBS-TV, 485 Madison Ave., New York 22, N.Y.
 TONOOKA, SINCH (S'51-A'52-M'57), Dev. Engr., Minneapolis-Honeywell Regulator Co., Ridge Ave. & 35 St., Philadelphia 39, Pa.
 TOOHIG, MICHAEL F. (M'56), Head, Storage Tube Dev. Gnoup, 1TT Labs., 3702 E. Pontiac St., Ft. Wayne 1, Ind.
 TOOHIL, DONALD L. (S'55-M'57), Lt. Cmdr., USN, VAAW 35, NAS North Island, Coronado, Calif.
 TOOKER, HOWARD A. (A'45-SM'53), Engrg. Dept. Chlef, Western Electric Co., 555 Union Blvd., Allentown, Pa. TODLAN, WALLACE W. (A'56), Instrumentation Engr., RCA Service Co., Patrick AFB, Fla.
 TOOLE, PIERCE C. (M'49-SM'55), Flight Test Engr., Convair-Astronautics, Patrick AFB, Fla.
 TOOLE, WILBERT W. (M'55), Sales Mar., Communications, Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

- TOOLEY, CHARLES E. (A'55), Tech. Specialist. GE Co., Syracuse, N.Y. TOOMEY, PATRICK J. (M'59), Mktg. Rep., IBM, 370 W. 1st St., Dayton, Dhio.

- 1st St., Dayton, Dhio.

 TOOMIN, HERSHEL (A'50-M'5D), 1002D 8evis, San Fernando, Calif.

 TOPERZER, ROBERT S. (M'53), Patent Atty., Fish, Richardson & Neave, 84 State St., Boston 9, Mass.

 TOPMILLER, CHARLES H. (A'32-VA'39), Pres., WCKY, L. B. Wilson, Inc., Hotel Gibson, Cincinnati 1, Ohio. TOPOL, SIDNEY (A'51), Genl. Mgr., Systems Div., Epsco, Inc., 775 Massachusetts Ave., Cambridge, Mass.

 TOPDRECK, EDWARO R. (A'47-SM'49), Mem. Sr. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.

 TOPP, HOWARD A. IR. (M'58), Mem. Tach. Staff, Mushace.

- HD, Calli.

 TOPP, HOWARD A., JR. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fulledon, Calif.

 TOPPER, LEO (S'52-A'55), Assoc. Engr., Microwave Electronics Div., Sperry Rand Corp., Great Neck, L.I., N.Y.
- N.Y.
 TOPPING, FREDERICK V. (SM'58), Pres., F.V. Topping Electronics, Ltd., 94 Laird Dr., Toronto 17, Ont., Canada. TOPPING, JOHN (M'58), Telecommunications Tech. Officer, Ministry of Civil Aviation, Appleby, Westmorland, England. TOR, WALTER G. (S'58-M'58), Engr., Magnavox Research Labs., 2255 Carmelina, Los Angeles 64, Calif.
 TORBERT, J. CLIFFORD, JR. (M'59), Electronics Engr., RCA, Camden, N.J.
 TORBRON, JACK T. (S'53-M'56), Production Engr., Librascope Inc., 808 Western, Glendale, Calif.
 TORFEH, MARK A. (S'54-A'SB), Design Engr., GE Co., 951 Commercial St., Palo Alto, Calif.
 TORGERSEN. HAROLO (M'58), Dean, Engrg., Univ.

- 951 Commercial St., Palo Alto, Calif.
 TORGERSEN, HAROLD (M'58), Dean, Engrg., Univ. of Connecticut, Storrs, Conn.
 TORGOW, EUGENE N. (S'49-A'49-SM'54), Sect. Leader, Microwave Research Institute, 55 Johnson St., Brooklyn 1, N.Y.
- TORGRIM, WILLARD J. (S'57-M'59), Unit Engr., ITT Federal Labs., Ft. Wayne, Ind. TORIAN, JOHN T. (A'47-M'55-SM'57), Asst. Chief Elec-tronics Engr., Republic Aviation Guided Missiles Div., 223 Jericho Tpke., Mineola, L.I., N.Y.
- TORKILOSEN, RDBERT A. (S'50-A'53-M'58), Dev. Engr., GE Co., X-Ray Dept., 4855 Electric Ave., Milwaukee 1, Wis.
- Prods. Dept., Airborne Instrument Lab. Div., Cutler-Hammer, Inc., 1345 New York Ave., Huntington Station,
- L.I., N.Y.
 TORNHEIM, HAROLD (S'48-A'52-M'56-SM'57), Sr.
 Engr., Raytheon Mfg. Co., Box 636, Santa Barbara,
 Calif.
- TORODE, STANLEY W. (S'43-A'45-SM'59), Engrg. Mgr., Sylvania Electronic Systems, 1100 Wehrle Dr., Amherst 21, N.Y.

- 21, N.Y.

 TORPEY, GEORGE J. (S'52-A'54), Field Engrg. & Sales, Aircraft Radio Coro., Boonton, N.J.

 TORPY, DANIEL J. (S'54-M'58), Elec. Engr., U.S. Naval Ordnance Lab., White Oak, Silver Spring, Md.

 TORRANCE, JAMES H. (S'55-M'57), Research Asst., Univ. of Connecticut, Storrs, Conn.

 TORRAS, FRANCIS (S'52-M'56), Electronics Teacher, Fairfield Univ., Fairfield, Conn.

 TORRE, ALTON J. (SM'54), Mgr., Elec. Engr., Color Prod. Dev., RCA, Haddonfield, N.J.

 TORRE, ROSARIO C. (S'55-A'56), Field Service Rep., Bendix Computer Div., 5630 Arbor Vitae, Los Angeles 45, Calif.

 TORRES, FRANK B...IR. (S'57-M'58), 1120 Academy St.

- 45, Calif.

 TORRES, FRANK B., JR. (S'57-M'58), 1120 Academy St., Winston-Salem, N.C.

 TORRES, HECTOR S. (A'54), Customer Engr., IBM, 2500 Central Ave., S.E., Albuquerque, N.M.

 TORRES, JAIME F. (A'55), Assoc. Electronics Engr., Comell Aeonautical Lab., 4455 Genesee St., Buffalo 21, N.Y.

 TORRES, JOSE G. (A'53), Chief, Illuminating Div., Circuito CMQ S.A., M y 23, Radio-Centro, Havana, Cuba.

 TORRESE, ALBERT A. (SM'59), Mgr., Prod. Acceptance, Govt. & Industrial Div., Philos Coron., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 TORRESE, GAL VEZ, CAMILO A. (M'54), Consulting Engr..
- TORRES-GALVEZ, CAMILO A. (M'54), Consulting Engr., Industrias Colombo-Britainicas, Carrera 13 No. 25-31, Bogota, Columbia.
- Bogota, Columbia.

 TORREY, LYLE W., JR. (S'57-M'58), Asst. Project Engr., Bendix Aviation Corp., Telerboro, N.J.

 TORREY, ROBERT O. (A'51-M'56), Engr., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia, Pa. TORREY, WILLIAM H. (A'40), Chief Engr., KGNC, KGNC-TV, Box 751, Amarillo, Tex.

 TORRIBLE, ALFRED W. (A'46), Sr. Flight Test Engr., Convair-Astronautics, San Diego, Calif.

 TORSCH, CHARLES E. (A'42-SM'47), Chief TV Engr., The Rola Co., Inc., 2530 E. Superior Ave., Cleveland 14, Ohio.

- TORTORELLA, ANTHONY (A'56), Assoc. Engrg., National Co., 61 Sherman St., Malden 48, Mass.

 TORZYN, NORBERT T. (S'54-M'56), Inst. Electronics Dept., Indiana Tech. College, 1600 E. Washington, Ft. Wayne, Ind.
- Corp., California St., Palo Alto, Calif.

- TOSH, WARREN M. (M'48), Asst. Educational Dir. & Engrg. Instr., Electronics Institute, Inc., 21 Henry St., Detroit 1, Mich.
- TOSHNIWAL, G. R. (M'39-SM'43), Mng. Dir., Toshniwal Bros., Ltd., 198 Jamshedji Tata Rd., Churchgate Redlam-ation, Ft. Bombay 1, India.
- TOSSPON, ALFRED E. (A'52-M'58), Sr. Electronics Engr., Hoffman Electronics, Inc., 3761 S. Hill St., Los Angeles 7, Calif.

- , , uaiif.

 TOTAH, EDWARD J. (S'42-A'44-M'53), Engr., Fairchild Engine & Airplane Co., Wyandanch, L.I., N.Y.

 TOTH, DOLAN H. (A'53-M'58), Engr., Remington Rand Univac, St. Paul 16, Minn.

 TOTH, EMERICK (SM'48-F'58), Head, Radio Techniques Branch, Radio Div., U.S. Naval Research Lab., Washington 25, D.C.
- 25, D.C.
 TOTH, STEPHEN, JR. (A'56), Engrg. Technician, Stavid
 Engrg., Inc., Rte. 22, Plainfield, N.J.
 TOTH, WALTER S. (A'46-M'52), Administrative Aide, Ae
 ial Measurements Lab., 2422 Oakton St., Evanston, III.
 TOTH, WILLIAM E. (S'50-A'51-M'58), Systems Design
 Engr., MIT, Instrumentation Labs., Cambridge, Mass.
- TOTMAN, 5TARK (M'52), Dir., Communications, Federal Civil Defense Administration, Region III, Thomasville, Ga. TOTON, EDWARD J. (5'52-A'53-M'59), Project Engr., Electronics, GMC Process Dev. Staff, Box 128, Detroit 2, Mich.
- TOTEN, GALE A. (A'54), Asst. Chief Engr., WIBW-TV & WIBW Radio, Box 119, Topeka, Kan.
 TOTTEN, HOWARD Q. (M'56), Engr., GE Co., Syracuse,

- TOTTEN, HOWARD Q. (M'56), Engr., GE Co., Syracuse, N.Y.
 TOTTEN, HOWARD Q. (M'56), Engr., GE Co., Syracuse, N.Y.
 TOU, JULIUS (A'53-SM'56), Assoc. Prof:, Elec. Engrg., Purdue Univ., Lafayette, Ind.
 TOUCHTON, CHARLES F., III (S'55-M'5B), Assoc. Engr., Glendale Testing Lab., IBM, Endicott, N.Y.
 TOUFEXIS, STEVE (M'49), Engr., Dlympic Radio & Television, Inc., 34-01 38 Ave., Long Island City 1, N.Y., Instr., Delehanty Radio & Television Institute, 117 E.
 11 St., New York 3. N.Y.
 TOUKDARIAN, RICHARD Z. (S'49-A'50-M'55-SM'55), Engrg., Group Supvr., Jet Propulsion Lab., 4B00 Dak Grove Dr., Pasadena 3, Calli.
 TOURATON, EMILE R. (SM'47), Dept. "Recherches Tuves a Vide," Laboratoric Central de Telecommunications, 46 Av. de Breteuil, Paris 7, France.
 TOURSHOU, SIMEON (A'42-M'55-SM'57), Mgr., TV Receiver, Prod. Dev., RCA, Camden 2, N.J.
 TOURVILLE, GEORGE A. (M'50), Retired USN. Home: 222 Font Bldv., San Francisco 27, Callí.
 TOWER, WALTER S., JR., (A'59), Asst. to Genl. Mgr., Westrex Corp., 111 & Ave., New York 11, N.Y.
 TOMLE, DAVID M. (M'57), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.
 TOWLES, RICHARD W. (S'48-A'51-M'53), Group Head, Transducer Electronics, Lockheed Missile Systems, Stanford Industrial Park, Palo Alto, Callif.
 TOWLE, WILLIAM C. (M'52), Electronics Engr., Sperry-Pledmont Div., Sperry Rand Corp., Hydraulics Rd., Chaylottesville, Va.
 TOWLES, WILLIAM B. (S'50-A'51-SM'55), Design Specialist, Martin Co., Orlando, Fla.

- Pledmont Div., Sperry Rand Corp., Hydraulics Rd., Charlottesville, Va.

 TOWLES, WILLIAM B. (\$'50-A'51-SM'55), Design Specialist, Martin Co., Orlando, Fl. Specialist, Martin Co., Orlando, Fl. Specialist, Martin Co., Orlando, Fl. Spracuse, N.; Drown, GEORGE R. (A'37-SM'44-F'50), Dean of Engro., Iowa State College, Ames, Iowa.

 TOWNE, ALFRED E. (A'30-M'46), Pres., A. E. Towne Associates, Inc., 420 Taylor St., San Francisco 2, Calif. TOWNER, ORRIN W. (4'24-M'29-SM'43-F'58), Dir., Engro., WHAS, Inc., Louisville 2, Ky.

 TOWNES, CHARLES H. (SM'58), Prof., Physics, Columbia Univ., New York 27, N. Y.

 TOWNES, WILLIAM D. (A'43-SM'55), Physicst, U.S. Army Signal Engro., Labs., Ft. Mommouth, N.J.

 TOWNLEY, RALPH K. (S'43-A'46-SM'53), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 TOWNLEY, RAY C. (M'50), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

- TOWNSEND, ALFRED P. (A'55), Engr., W8TV, Charlotte,
- TOWNSEND, CALVIN K. (A'49), V.P. & Genl. Mgr., Jennings Radio Mfg. Corp., 970 McLaughlin Ave., San Jose, Calif.
- TOWNSEND, CHARLES C., JR. (S'49-A'51-M'56), Morgan Stanley & Co., 2 Wall St., New York 5, N.Y.
 TOWNSEND, CHARLES L. (M'57), Instr., Iowa State College, Ames, Iowa.
- College, Ames, Iowa.

 TOWNSEND, FREDERICK H. (SM'49), Supvg. Engr.,
 Westinshouse Elec. Corp., Box 284, Elmira, N.Y.

 TOWNSEND, GEORGE R. (A'52-M'54), V. P., Engrg.,
 Springfield Television Broadcasting Co., Box 2210,
 Springfield, Mass.

- Springfield Television Broadcasting Co., Box 2210, Springfield, Mass.

 TOWNSEND, HAROLD D. (M'56), Owner, Townsend Television. Box 473. Warren. III.

 TOWNSEND, JOHN G. (M'53), Owner-Chief Engr., John G. Townsend Co., Box 248, Sutherland, Neb.

 TOWNSEND, MARKA, (SM'54), Special Systems Dev. Engr., Bell Tel. Labs., Murray Hill, N.J.

 TOWNSEND, NORMAN L. (S'58-A'59), Hgrs., Co. USASATR, Pershing Hall, Ft. Devens, Mass.

 TOWNSEND, RALPH (A'56-M'57), Project Engr., Remington Rand Unitvac, Wilson Ave., South Norwalk, Conn.

 TOWNSEND, RAYMOND W. (A'58), Cable Splicers Helper, New York Telephone Co., 140 West St., New York, N.Y.

 TOWNSEND, RICHARD L. (S'53-A'55), Design Engr., 1BM, Poughtkeepsle, N.Y.

 TOWNSEND, WALTER H., JR. (A'54), Project Engr., Stavid Engrg., Inc., Hwy. 22, Plainfield, N.J.

 TOY, THOMAS G. (A'40), Engr., Chicago Condenser Corp., 3255 W. Armitage Ave., Chicago 21, III.

 TOY, WING N. (A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 TOYE, JOHN M. (A'46-M'48), Mgr., Design Engrg., Canaddian GE Co., Ltd., 830 Lansdowne Ave., Toronto, Ont., Canada.

 TOZZI, LOUIS M. (S'48-A'50-M'56), Electronic Scientists, Diamond Ordnance Even Labs., Michigaten 25 S.
- Lanaua.

 TOZZI, LOUIS M. (S'48-A'50-M'56), Electronic Scientist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

 TRABKA, EUGENE A. (M'56), Assoc. Mathematician, Cornell Aeronautical Lab., 4455 Genesee St., 8uffalo 21, N. Y.

- TRACEY, BERNARD P. (S'53-A'54), Engr., RCA, 11819 W. Olympic Blyd., Los Angeles 64, Calif.
 TRACEY, JAMES R. (M'58), Engrg. Writer, Hughes Air-Craft Co., Culver City, Calif.
 TRACEY, WILLIAM R. (S'53-A'55), Communications & Elec. Engr., Trans Mountain Oil Pipe Line Co., 400 E. Broadway, Vancouver 10, B. C., Canada.
 TRACHINGER, ROBERT (M'58), Mgr., TV Engrg. Operations, American Broadcasting Co., 4151 Prospect, Hollywood 27, Calif.
- Amer
- TRACHTENBERG, ALFRED (S'54-M'59), Staff Engr. Columbia Univ. Electronics Research Labs., 632 W. 125 St., New York 27, N.Y.

- TRACHTENBERG, BERNARD M. (M'56), Elec. Engr., Defense Electronic Prods., RCA, Camden 2, N.J.

 TRACHTENBERG, BERNARD M. (M'56), Elec. Engr., Defense Electronic Prods., RCA, Camden 2, N.J.

 TRACHTENBERG, ROBERT (A'47-M'55-SM'56), Mgr., Airborne Communication Engrg., RCA, Camden, N. J.

 TRACHTENBERG, ROBERT (A'47-M'55-SM'56), Mgr., Airborne Communication Engrg., RCA, Camden, N. J.

 TRACHTMAN, JACOB (M'53), Patent Atty., 918 Western Saving Fund Bldg., Philadelphia 7, Pa.

 TRACHTMARD A. (M'56), Dev. Engr., IBM, Prod. Dev. Lab., Poughkeepsie, N.Y.

 TRACY EDWIN C. (M'58), V.P., Brown Boveri Corp., 19 Rector St., New York 6, N.Y.

 TRACY, HAROLD H. JR. (M'58), Elec. Engr., Convalination and Communication (M'56), Dev. Engr., Convalination, Solo Kearney Villa Rd., San Diego 12, Cailf.

 TRACY, JOHN E. (S'56-M'58), Engr., Martin Co.
- TRACY, JOHN E. (S'56-M'58), Engr., Martin Co., Orlando, Fla.
- TRACY, ROBERT A. (M'57), Dept. Mgr., Burroughs Corp., Paoli, Pa.
- TRACY, RUSSELL C. (A'49-M'57), TV Engr., Crosley Broadcasting Co., WLW-C, 3165 Olentangy River Rd., Columbus, Ohio.
- TRACY, TERENCE J. (S'48-A'50-M'55), Project Engr., Guidance, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- Guidance, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.

 TRACY, TOM. (M¹55), Western Regional Mgr., Systems Engr. Div., Minneapolls-Honeywell Regulator Co., 6620 Telegraph Rd., Los Angeles 22, Calif.

 TRADER, JOHN E. (A¹53), Supw., Process Control, Convair-Astronautics, 5001 Kearny Villa Rd., San Diego 17, Calif. TRAENKLE, JEFFREY W. (S¹54-M¹56), 61 Old Ox Rd., Manhasset, L.I., N.Y.

 TRAFFORD, WILLIAM (A¹46-M¹48), Controller of Tele-communications, Special Services, Svait Settlement, 1st Floor, Fullerton Bidg., Sinyapore.

 TRAGER, BERNARD L. (M¹58), Sr. Engr., Federal Electric Corp., Paramus Industrial Pk., Paramus, N.J.

 TRAHADIAS, PHILIP N. (A¹54), Video Engr., WTAR Radio Corp., 720 Boush St., Norfolk, Va.

 TRAINER, MERRILL A. (A¹35-SM¹49), Administrator, Prod. Planning & Color Coordination, Broadcast & TV Equipment Div., RCA, Camden 2, N.J.

 TRAINER, ROBERT E. (M¹58), Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthome Field, Calif.

 TRAINER, ROBERT E. (S¹49-A¹52-M¹58), Research Scientist, Lockheed Missile System Div., Sunnyvale, Calif.

 TRAINER, ROBERT E. (S¹49-A¹52-M¹58), Research Scientist, Lockheed Missile System Div., Sunnyvale, Calif.

 TRAINER, ROBERT E. (S¹49-A¹52-M¹58), Research Scientist, Lockheed Missile System Div., Sunnyvale, Calif.

 TRAINER, ROBERT E. (S¹49-A¹52-M¹58), Electronics Designer, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 TRAINOR, WILLIAM J. (M¹47), Barrister & Solicitor, 230-

- Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 TRAINOR, WILLIAM J. (M'47), Barrister & Solicitor, 230-470 Granville St., Vancouver, B.C., Canada.

 TRAINUM, DONALD A. (S'54-M'57), Engr., Aeronautical Radio Inc., 1700 K St., N. W., Washinoton 6, D.C.

 TRALLE, GEORGE E. (S'54-M'56), Test Engr., Sylvanla Elec. Prods., Inc., 500 Evelyn Ave., Mountain View. Calif. TRAMMELL, ALONZO K. (M'54), Research Engr., Raytheon Mig. Co., 80x 636, Santa Barbara, Calif.

 TRAMMELL, FORREST S., JR. (M'59), 14922 Newhope St., Santa Ana, Calif.

 TRAMPSL, KURT M. (S'54-M'57), Assoc. Engr., IBM, Prod. Dev., Poughkeepsie, N.Y.,

 TRAMPOSCH, ALBERT F. (M'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.,

 TRAMPOSCH, WALTER J. (M'57), Sr. Engr., Hazeltine Electronics Div., 59-25 Little Neck Pkwy., Little Neck, L.I., N.Y.

 TRANFAGLIA, THOMAS E. (A'54), Communications Engr., City of Revere, Police & Fire Depts., Revere, Mass.

 TRANTHAM, HENRY, JR. (A'47-M'47), Research Engr., MIT, Instrumentation Lab., Cambridge 39, Mass.

 TRANTHAM, WALTER E. (M'58), Mgr., Eastern Operations, Hughes Prods., Hughes Aircraft Co., 1612 K St., N.W., Washington, D.C.

 TRAPEUR, ROBERT E. (A'56-M'57), Purch. Agent, Research & Over. 1816.

- Washington, D.C.

 TRAPEUR, ROBERT E. (A'56-M'57), Purch. Agent, Research & Dev. Lab., Hughes Aircraft Co., Culver City, Calif.

 TRAPNELL, FREDERICK M., JR. (S'56-M'58), Assoc. Engr., I8M, 590 Madison Ave., New York, N.Y.

 TRAPP, JAMES A. (S'46-A'48-M'54'54M'57'), Mgr., Data Processing & Controls Dept., Thompson-Ramo-Wooldridge, 8ox 90067, Airport Sta., Los Angeles 45, Calif.

 TRAPP, ROGER R. (S'51-A'52-M'55), Mem. Tech, Staff, Ramo-Wooldridge Corp., Box 90534, Airport Sta., Los Angeles 45, Calif.

 TRAID AIAN C. (S'51-A'53-M'55), Physiciat, Econol.

- Angeles 45, Calif.

 TRAUB, ALAN C. (S'51-A'53-M'58), Physicist, Fenwal, Inc., Ashland, Mass.

 TRAUB, LOREN A. (M'45), Transmission Supvr., Pacific Teleptone & Tclerraph Co., 1200 3rd Ave., Seattle 1, Wash.

 TRAUB, ROBERT A. (A'53), Electronics Engr., Eastman Kodak Park Works, Rochester, N., Transmission Supvr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 TRAUBEN, WILLIAM (A'47-M'56), Chief, Radio Communication Branch, Signal Equipment Support Agency, Ft.

 Mommouth, N.J.

 TRAUGOTT, ROBERT D. (M'55), Sr. Forg., Haller, Payer, TRAUGOTT, ROBERT D. (M'55), Sr. Forg., Haller, Payer, Mommouth, N.J.
- TRAUGOTT, ROBERT D. (M'55), Sr. Engr., Haller, Ray-mond & Brown, Inc., 124 N. Atherton St., State College,
- Pa.
 TRAUTMAN, DEFOREST L., JR. (S'41-A'44-M'46-SM'55), Program Assoc., Ford Foundation, 477 Madison Ave., New York 22, N.Y.
 TRAUTWEIN, JAMES (S'57-M'58), Design Engr., GE Co., 316 E. 9 St., Owensboro, Ky.
 TRAVER, HARMON R. (M'55), Mgr., Mfg., Polytechnic Research & Development Co., Inc., Brooklyn, N.Y.

- TRAVER, HAROLD A. (M'47), Mem. of Firm Pennie, Edmonds, Morton, Barrows & Taylor, 247 Park Ave., New York 17, N.Y.
- TRAVER . IOHN W. (A'53). Foreman . Instrument & Calibra-TRAVERS , DOUGLAS N. (A'52-M'57), Sr. Research Engr., Southwest Research Institute, 8500 Culebra Rd., San Antonio, Tex.
- TRAVERS, JAMES F., JR. (S'52-A'54-M'58), Design Engr., Westinghouse Elec. Corp., Box 746, Baltimore Engr., \ 3, Md.

- TRAVIS, CDWIN W. (Su'56-M'59), Assoc. Engr., Raytheon Mfg. Co., Wayland, Mass.

 TRAVIS, CLOVIS M. (M'57-SM'58), Sr. Nuclear Engr., Convair, Box 74B, Ft. Worth, Tex.

 TRAVIS, EDWARD F. (A'42-M'48-SM'52), Mgr., Electronics Equipment Engrg., GE Co., Schnectady, N.Y.

 TRAVIS, EDWIN W. (Su'47-A'50-M'55), Engr., Design, No. Amer. Aviation, Columbus, Ohio.

 TRAVIS, EDWIN W. (Su'47-A'50-M'55), Engr., Design, No. Amer. Aviation, Columbus, Ohio.

 TRAVIS, IRVEN (SM'46-F'53), V.P., Research & Engrg., Burrounds Corp... 607 1 2nd Ave., Lond Island City 1, N.Y.

 TRAVIS, JRVEN (SM'46-F'53), V.P., Research & Engrg., Burrounds Corp... 607 1 2nd Ave., Detrolt 32, Mich.

 TRAVIS, JOHN B., JR. (A'52-M'57), Sr. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 TRAVIS, LEONARD J., JR. (S'54-M'56), Engr., Elec-

- Instruments, Inc., 6000 Lemmon Avé., Dallas 9, Tex. TRAVIS, LEONARD J., JR. (S'54-M'56), Engr., Electronics Deferae Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 TRAVIS, WILLIAM (A'57), Elec. Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, Ill.

 TREANOR, BEDWARD F. (S'55-M'58), Engr., Airborne Instrument Lab., Mineola, L.1., N.V.

 TREBBY, FRANCIS J. (S'39-A'41-M'53), Electronics Research Engr., Kaiser Aluminum & Chemical Corp., Dept. of Metallurgical Research, Spokane 69, Wash.

 TREBING, GEORGE W. (S'554-M'56), Elec. Engr., RCA.
- TREBING, GEORGE W. (S'54-M'56), Elec. Engr., RCA, Camden, N.J.
- TREGIDGA, ANGUS C. (A'40-SM'44), Program Supvr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- TREGO, DOUGLAS G. (S'43-A'46-M'48-SM'57), Sr. Engr., Research Labs., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.
- TREGUB, BURTON G. (S'55-M'56), 4415 N. Pershing
- Dr., Arlington, Va.
 TREHARNE, ROSS F. (S'42-A'45), Principal Officer,
 Telecommunications, Weapons Research Est., Box 1424H,
 Adelaide, South Australia.
- Adelaide, South Australia.

 TREIMER, JOHN A. (5'56-M'59), Assoc. Electronics Engr., Martin Co., Baltimore 3, Md.

 TREITEL, WENER S. (5'50-A'51-M'56), Electronics Engr., Stavid Engrn., Inc., U.S. Hwy. 22, Plainfield, N.J.

 TRELEWICZ, EUGENE R. (4'49-M'55), Project Engr., F&R Inc., 2612 Borough Pl., Woodside 77, L.I., N.Y.

 TREMBATH, CHARLES L., JR. (5'54-M'59), Electronics Engr., U.S. Dept. of Commerce, Natl. Bureau of Standards, Boulder, Colo.

 TREMBLAY, GERARD V. (M'56), Sales Engr., Sprague Electric Co., North Adams, Mass.

 TREMBLAY, HAROLD G. (A'51), Tech. Dir., Aempaulical

- TREMBLAY, HAROLD G. (A'51), Tech. Dir., Aeronautical Computer Lab., Naval Air Development Center, Johnsville, Pa.
- TREMENTOZZI, FREDERICK J. (S'57-M'59), Elec. Engr., Technical Service, Inc., 100 Central St., Pontiac, Mich. TRENAMAN, JOHN T. (SM'58), Chief Engr., Electronics Ship Div., Bureau of Ships, Dept. of Navy, Washington 25, D.C.
- TRENCHER, JAMES W. (M'56), Sr. Electronics Engr., Canadian Aviation Electronics, Ltd., 387 Sutherland Ave., Winnipeg 4, Man., Canada.
- Ave., Winningeg 4, Man., Canada.
 TRENDOWSKI, CHESTER R. (\$'53-A'55), Mem. Tech.
 Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y.
 TRENHOLM, KENNETH S. (4"57), Supvy. Production
 Specialist, Bureau of Aeronautics Maintenance Representative, NAS, North Island, San Diego 35, Calif.
- TRENHOLM, ROBERT 8. (5'56-M'57), Engr., RCA, 11B19 W. Olympic Blvd., Los Angeles 68, Calif. TRENHOLME, WILLIAM M. (S'46-A'51-M'56-SM'59), Sr. Engr., Instrument Dept., GE Co., 40 Federal St., Lynn, Mass.
- TRENKLE, ROBERT A. (M'57-SM'59), Lt. Col., USAF, Wright Air Development Center, Wright-Patterson AF8, Ohio.
- Ohio.
 TRENOUTH, HAROLD W. (S'57-A'57), Tech. Asst., Electronics Canadian Natl. Telegraphs, 151 Front St., W., Toronto, Ont., Canada.
 TRENT, JAMES E. (S'52-A'53-M'58), Project Mgr., IBM Magnetic Tape Center, 6600 Excelsior Blvd., Minneapolis 26, Minn.
 TRENT, ROBERT L. (M'45-SM'57), Mem. Tech. Staff, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

- Tex.
 TRESEDER, ROBERT C. (M'54), Project Mgr., IBM
 Research Lab., San Jose, Calif.
 TRESNAK, ROBERT F. (M'56), Sales Mgr., G.M. Giannini
 & Co., Sherwood Lane, Caldwell Township, N.J.
 TRESSA, FRANK J. (M'53), Sr. Engr., Servo Corp. of
 America, 20-20 Jericho Toke., New Hyde Park, L.I., N.Y.
 TRESSLER, JOHN 8. (A'51-M'56), Acting Head, Physics
 Dept., Tri-State College, Angola, Ind.
 TREST, LESLIE S., JR. (S'51-A'53-M'59), Design Engr.,
 GE Co., Johnson City, N.Y.
 TRESTON, PHILIP (S'44-A'46-M'55), Owner, Treston
 Associates, 1114 Raymere Ave., Wanamassa, N.J.
 TREUHAFT, MILTON A. (S'38-A'39-SM'52), Research
 Supvr., Microwave Research Institute, 55 Johnson St.,
 Brooklyn 1, N.Y.
 TREVILLIAN, RUSSELL A. (A'56), Asst. Chief Engr.,

- Brooklyn 1, N.Y.

 REVILLIAN, RUSSELL A. (A'56), Asst. Chief Engr.,
 KRIS-TV, 409 S. Staples, Corpus Christi, Tex.

 TREVISIN, RUDOLPH F. (M'56), Sr. Engr., Arma Div.,
 American Bosch Arma Corp., Garden City, L.I., N.Y.

 TREVOR, BERTRAM A. (A'29-M'38-SM'43-F'53), Systems
 Project Engr., RCA, Surface Communications Systems, 2720
 E. Broadway, Tucson, Ariz.

 TREVOR, JOHN B., JR. (A'42-M'45), Tech. Writer, 15
 E. 90 St., New York 28, N.Y.

 TREW, JOEL W. (S'56-A'56), Electronics Instrumentation
 Engr., Norair Div., Northrop Corp., Hawthorne, Calif.

 TREWITT, MANNING B. (S'53-M'56), Engr., Texas Instuments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

- TREXLER, JAMES H. (S'41-A'44), Special Project Coordinator, Naval Research Lab., Washington 25, D.C. TREXLER, ROBERT C. (M'59), Sr. Technician, George Washington Univ., Washington 7, D.C. TREXLER, VERNON L. (A'52-M'56), Sr. Electronics Research Technician, Univ. of California, 2459 A 45, Los Alamos, N.M.
- Los Alamos, N.M.

 TREZISE, EVERETT A. (A'59), 44006-A Mason St.,
 Ft. Huachuca, Ariz.

 TREZONA, GLENN E. (S'55-M'58), Electronics Engr.,
 USAF, Home: 5712 Ager Rd., West Hyattsville, Md.

 TRIANTAFELLOW, WILLIAM (A'50), Assoc. Engr., Allen
 B. Dumomt Labs., 35 Market St., East Paterson, N.J.

 TRIAS, JAMES J. (S'56-M'59), 829 Hempstead Ave.,
 West Hempstead, L.I., N.Y.

 TRIBBLE, HALSEY L. (S'57-M'58), Assoc. Engr., Westinghouse Elec. Corn., Box 746, Baltimore 3, Md.

 TRIBKEN, E. ROBERT (S'47-A'50-SM'56), Dept. Head,
 Fighter Flight Control, Sperry Gyroscope Co., Great Neck,
 L.I., N.Y.

 TRIBDU, PERLEY W. (A'50-M'51), Transmitter Operations

- TRIBOU, PERLEY W. (A'50-M'51), Transmitter Operations Dir., WKBW TV, 1420 Main St., Buffalo, N.Y.

 TRISOU, PERLEY W. (A'50-M'51), Transmitter Operations Dir., WKBW TV, 1420 Main St., Buffalo, N.Y.

 TRICAMO, VINCENT A. (M'45), Project Engr., Sperry Gyroscope Co., Lake Success, L.1., N.Y.

 TRICOLES, GUS P. (M'58), Sr. Research Engr., Electronics Lab., Convair, San Diego, Calif

 TRIEB, MARVIN (M'59), Physicist, U.S., Naval Air Development Center, Johnsville, Pa.

 TRIFARI, EDMUND F. (A'58), Teacher, Radio, TV & Electronics, Bd. of Education, New York, N.Y.

 TRIFARI, FRANK R. (A'44-SM'48), Mgr., Patent Dept., North American Philips Co., Irvington, N.Y.

 TRILLING, TED R. (S'50-A'54-M'59), Electronic Scientist, U.S., Naval Air Development Center, Johnsville, Pa.

 TRIM, MARVIN E. (S'53-A'54-M'58), Engr., ITT Labs., Nutley 10, N.J.
- Nutley 10, N.J.
 TRIM, RICHARD M. (M'57), Dev. Engr., Cossor Radar &
 Electronics Ltd., London, England.
 TRIMAN, EUGENE L. (A'42-M'50), Sr. Research Engr.,
 Aerophysics Lab., No. Amer. Aviation, Downey, Calif.
 TRIMARCHI, JOSEPH (M'56), Electronics Engr., ITT Labs.,
 E. Pontiac, Fort Wayne, Ind.
 TRIMBLE, JOEL (S'57-M'59), Electronics Engr., U. S.
 Naval Ordnance Test Sta., Code 3045, Michelson Lab.,
 China Lake, Calif.
- TRIMBLE, JOHN E. (S'52-A'53), Engr., RCA, Moorestown,
- TRIMBLE, LEON F. (M'57), Dev. Engr., IBM, Pough-
- keepsie, N.Y.
 TRIMM, JAMES H. (M'57), Test Engr., Convair, Ft.
 Worth, Tex.
- TRIMM, JAMES H. (M'57), Test Engr., Convair, Ft. Worth, Tex.
 TRIMMER, JUDSON P. (M'59), Transmitter Supvr., WTCN
 TV-Radio, 29 25 Dean Blvd., Minneapolis 16, Minn.
 TRIMMER, WALTER W. (M'52), Engr., Houston Lighting & Power Co., Houston, Tex.
 RINCHER, MARIO G. (A'57), Ingegnere, Gng., C. Olivetti & Co., S.p.a., Borgolombardo, Milano, Italy.
 TRINGALE, S. RICHARD K. (A'55), Project Electronics
 Teclinician, MIT, Lincoln Lab., Lexington 73, Mass.
 TRINKAUS, JOHN W. (M'54–SM'57), Sr. Components
 Engr., Sperry Gyroscope Co., Great Neck, L.J., N.Y.
 TRINKLE, FREDERIC (A'51–M'56), Research & Dev.
 Engr., Reliance Electric & Engrg. Co., 24701 Euclid Ave.,
 Cleveland 17, Ohio.
 TRINKLE, ROBERT C. (S'57–A'58), Sales Engr., Trinkle
 Sales, 7675 Maple Ave., Merchantville B, N.J.
 TRINNAMAN, RAYMOND R. (S'52–A'56), Owner-Mgr.,
 R. R. Trinnaman Drafting Service, S45 Colorado St., Salt
 Lake City 16, Utah.
 TRINTER, VERNON E. (A'47–M'55), Electronics Group
 Engr., Martin Co., Baltimore 3, Md.
 TRIOLO, FRANK J. (M'52), Electronics Scientist, U.S.
 Army Signal Research & Development Lab., Ft. Monmouth,
 N.J.

- RIP, RUDOLPH E (A'46-M'57), Electronics Material Officer, Industrial Mgr., 10 Naval District, San Juan, Puerto Rico
- Puerto Rico,

 TRIPLETT, MILO M. (A'51-M'56), V.P.-in-Chg., Engrg.,

 Triplett Electrical Instrument Co., Blufton, Ohio.

 TRIPLETT, W. ROBERT (A'33-SM'47), Engr., FAA,

 5651 W. Manchester Ave., Los Angeles 45, Calif.

 TRIPLETT, WILLIAM R. (S'56-M'58), Pres., Triplett

 Electrical Instrument Co., Blufton, Ohio.

 TRIPDOI, CARMELO (S'54-M'56), Research Engr., No.

 Amer. Aviation, Downey, Calif.

 TRIPODI, ROBERT F. (S'55-A'56), Research Asst., Hughes

 Aircraft Co., Los Angeles, Calif.

 TRIPP, ARLEY L. (M'50), Teacher, City College of San

 Francisco, Ocean S. Phelan, San Francisco, Calif.

 TRIPP, ARNOLD F. (S'56-A'56), Lab Flettmires Tech-

- Francisco, Ocean M. Phelan, San Francisco, Calif.
 TRIPP, ARNOLD E. (\$56-A56), Lab. Electronics Technician, Upper Atmosphere Research Group, Univ. of Maryland, Physics Dept., College Park, Md.
 TRIPP, BENJAMIN R. (\$54-M*99), Research Staff Mem., Research Div., Radiation, Inc., Box 6904, Orlando, Fla.
 TRIPP, HERBERT H. (A'52), Foreman, Communications Technician, British Columbia Electric Co., Ltd., 425 Carrol St., Vancouver, B.C., Canada.
 TRIPP, JOHN R. (\$'55-M*57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 TRIPPE, WALTER D. (\$'57-M*58), Assoc. Engr., Martin Co., Orlando, Fla.
 TRIPPE, WALTER D. (\$'55-M*58), Assoc. Engr., Martin Co., Orlando, Fla.

- Co., Órlando, Fla.

 TRIPPEL, WILLIAM G. (S'56-A'57), Chief Engr., Naval
 Medical Center, Natl. Civil Service, TV Project Office,
 NNMC, Bethesda, Md.

 TRISKA, CLARENCE J. (A'54), Asst. Prof., Dept. of
 Elec. Engrg., Iowa State College, Ames, Iowa.

 TRITT, ELDEN M. (S'57-M'58), Engr., Delco Radio Div.,
 GMC, 700 E. Firmin, Kokomo, Ind.

 TRITTENBACH, J. M. (A'42-5M'53), Pres. & Genl. Mgr.,
 Melody Master Mfg. Co., 2149-51 Roscoe St., Chicago
 18, III.
- 18, III.

 RITTON, RICHARD F. (A'58), Reliability Analysis Engr.,
 Lockheed Missiles & Space Div., Sunnyvale, Calif.

 TRIVELAS, ANGELO C. (M'56), Sr. Engr., Allen B. OuMont
 Labs., Inc., 35 Market St., East Paterson, N. J.

 TRIVELPIECE, ALVIN W. (S'54-M'59), Lab. Elek., Technical Univ. at Delir, Kanaalweg 2B, Delft, The Netherlands.

 TROAST, WILLIAM H. (S'52-A'54), Chief Quality Engr.,
 ITT Federal Div., 100 Kingsland Rd., Clifton, N. J.

 TROCCHI, ROBERT F. (M'56), Analyst Engr., DATAmatic,
 151 Needham, Newton 61, Mass.

- TROCHANDWSKI, ANDREW J. (A'59), Electronics Maint.
 Officer, USN, FADTC, San Diego 47, Calif.
 TROCHESSET, HENRY J. (M'56), Field Engr., Sperry
 Gyroscope Co., Great Neck, L.I., N.Y.
 TROCK, ROBERT (S'48-A'50-M'53-SM'57), Project Engr.,
 Airborne Instrument Lab., Mineola, L.I., N.Y.
 TROCKY, EDWARD V. (A'53), Computer Research, Burroughs Research Center, Paoli, Pa.
 TROEGER, FRANK R. (M'56), Mem. Tech. Staff, Space
 Technology Labs., Inc., Box 95001, Los Angeles 45,
 Calif.
 TROEGLEN, KARL (A'30-M'42-SM'43). Tech. Dir.
- TROEGLEN, KARL (A'30-M'42-SM'43), Tech. Dir., KCMO Broadcasting Co., 125 E. 31 St., Kansas City B, Mo.
- Mo.
 TROELL, ROY E. (A'44-M'55), Sr. Project Engr., ITT
 Labs., Nutley 1D, N.J.
 TROETSCHEL, WILLIAM O. (A'47-M'55), Capt., USAF,
 Ballistic Missile Div., Box 29, Palo Alto, Calif.
 TROFATTER, KENNETH F. (S'56-A'57), Sr. Tech. Aide,
 Bell Tcl., Labs., Murray Hill, N.J.
 TROCDDN, FLOYD H. (S'49-A'52-M'57), Lt. Col.,
 USAF, Directorate of Engrg. Liaison, APO 196, New
 York, N.Y.

- USAF, Directorate of Engrg. Liaison, APO 196, New York, N. Y.

 TROCDON, RAY L. (S'4B-A'49-M'52), Research Assoc., Control Systems Lab., Univ. of Illinois, Urbana, Ill.

 TROGDON, WILLIAM H. (S'52-A'55), Sr. Electronics Engr., Convair, 31 65 Pacific Hwy., San Diego, Callf. TROHDN, BERNARD L. (A'57), Tech. Adviser, RCMP Hurs., Ottawa, Ont., Canada.

 TROIANO, ANTHONY (S'54-A'55), Elec. Engr., RCA, Semiconductor Div., Somerville, N. J.

 TROIANO, ANTHONY (S'54-A'55), Elec. Engr., RCA, Semiconductor Div., Somerville, N. J.

 TROLESE, LOUIS G. (A'30-SM'47), V. P., Smyth Research Associates, 3555 Aero Ct., San Diego 11, Calif. TROLL, JOHN H. (M'57-SM'58), V. P., Electronics Corp. of America, 1 Memorial Dr., Cambridge, Mass.

 TROLL, WILLIAM C. (A'53), Electronics Engr., Bendix Aviation Research Labs., Detroit, Mich.

 TROMBLY, RODERICK L. (S'54-M'56), Assoc. Engr., IDM, Kinsten, N. Y.

 TRODP, JOSEPH (A'57), Engrg. Aide, Instruments for Industry, Inc., 101 New South Rd., Hicksville, L. I., N. Y.

 TROPILA, JOHN F. (S'56-M'59), Project Staff Engr., No. Amer. Aviation, Internatl, Airport, Los Angeles 45, Calif. TROREY, ALAN W. (S'51-A'54), Research Physicist,
- Amer, Aviation, Internati, Airport, Los Anigles 49, Alli.
 TROREY, ALAN W. (5:51-A:54), Research Physicist,
 California Research Corp., Box 446, La Habra, Calif.
 TROST, H., KENNETH (M:58), Electronics Engr., Brooks
 Research, Inc., 767 Linden Ave., Rochester, N.Y.
 TROST, VICTOR E. (A:57), Prod. Service, GE Co., Utica,
 N.Y.

- IRUST, VICTOR E. (A'57), Prod. Service, GE Co., Utica, N.Y.
 TROSTER, MATHEW (A'53-M'58), Sr. Engr., Otis Elevator Co., 260 11 Ave., New York. N.Y.
 TROSTER, JOHN E. (S'57-A'58), 9226 Crenshaw Blvd., Inglewood, Calif,
 TRDSTRUD, ARVILLE T. (S'56-M'58), Engr., Librascope, Inc., 808 Western Ave., Glendate 1, Calif.
 TROTT, BARNET S. (SM'48), Bd. Chmn. & V.P., Budelman Electronics Corp., 375 Fairfield Ave., Stamford, Conn.
 TROTT, GEORGE G. (A'53-M'59), Tech. Writer, Panoramic Radio Prods., Inc., 520 S. Fullon Ave., Mount Vernon, N.Y.
 TROTT, JOHN E., JR. (S'56-M'59), Instr., Elec. Engrg., Northeastern Univ., Boston, Mass.
 TROTT, MARVIN (M'54), Electronics Engr. & Pres., Trott Electronics, Inc., 412 Smith St., Rochester 6, N.Y.
 TROTTA, JOHN (S'58-M'59), Planning Engr., Western Electric Co., Allertown, Pa.
 TROTTER, BERNARD E. (S'48-A'50-M'55-SM'58), Electronic Scientist, U.S. Naval Research Lab., Washington 25, D.C.
 TROTTER, CLAUDE E. (S'51-A'52-M'56), Communications

- Electronic Scientist, U.S. Naval Research Lab., Washington 25, D.C.
 TROTTER, CLAUDE E. (S'51-A'52-M'56), Communications Equipment Installer, St. Louis-San Francisco Railway Co., Soringfield, Mo.
 TROTTER, GEDRGE C. (A'48-M'48), Mgr., Mktg., Govt. Equipment Div., Ravtheon Co., West Newton, Mass.
 TROUANT, VIRGIL E. (A'26-M'28-SM'43), Chief Engr., Broadcast & TV Equipment Engrg., RCA, Camden 2, N.J.
 TROUAND, ROBERT L. (S'57-M'59), 2nd Lt., U.S. Army, Home: 24 Franklin Ter., Long Branch, N.J.
 TROUP, EVERETT O. (M'56), Owner, Troup Electronics, 1312 Rhodes St., Jackson, Mich.
 TROUP, LESTER B. (A'55), Design Engr., EDO Corp., 13-10 111 St., College Point 56, L.I., N.Y.
 TROUSDALE, ROBERT B. (M'52), Research Specialist, Autonetics Div., No. Amer. Aviation, Downey, Calif.
 TROUSDSFF, GEORGE B. (SM'56), Military Dev. Engr., Bell Tel. Labs., Burlinaton, N.C.
 TROUT, CARL C. (A'44-M'49), Electronics Engr., FAA, Tech., Dev., Center, Box 5767. Indianabolis 21. Ind.
 TROUT, DONALD R. (S'58-M'59), 1977 Pine Dr., Lancaster, Pa.
 TROUT, E. DALE (A'58), Genl. Electric Co., Milwaukee 1, Wis.
 TROUT, EDWIN M. (A'59), Engrs. Asst., Land Air, Inc., Box 3944, Holloman AFR, N. M.

- TROUT, E. DALE M 207, Uell. Liectric Co., Milwaukee 1, Wis,
 TROUT, EDWIN M. (A'59), Engrs. Asst., Land Air, Inc.,
 Box 394, Holloman AFB, N.M.
 TROUT, HOWARD J., JR. (A'59), Design Engr., Minneapolis-Honeywell Regulator Co., Inc., Queen & S. Bailey
 Sts., Potstown, Pa.
 TROUT, RAY C. (M'59), Sr. Engr., Philco Corp., 3875
 Fabian Way, Palo Alto, Calif.
 TROUTBECK, WILFRED H. (A'29-VA'39), Chief Engr.,
 W.H. Troutbeck & Co., 48 Cole Park Rd., Twickenham,
 Middle, England.
 TROUTMAN, ARTHUR F. (S'51-A'52-M'56), Service Engr.,
 Lockheed Aircraft Corp., Burbank, Calif.
 TROUTMAN, BRYAN C. (S'53-A'55), Assoc. Engr., IBM,
 Owego, N.Y.
 TROUTMAN, JAMES S. (M'57), Electronic Engr., Analytic

- Owego, N.Y.
 TROUTMAN, JAMES S. (M'57), Electronic Engr., Analytic Services, Inc. 1101 N. Royal St., Alexandria, Va. 17ROUTMAN, PAUL H. (S'56-M'57), Control System Engr., GE Co., Schenectady 1, N.Y.
 TROUTNER, JOHN R. (S'55 M'57), 4201 Massachusetts Ave., N. W. Washinston, D.C.
 TROWBRIDGE, FREDERICK (A'42), Dir., Quality Control & Service Operations, Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, Jil.

- TROXEL, DAVID I. (M'56), Components Applications Engr., RCA. Camden 2. N.J.
 TROXEL, DONALD E. (S'55-M'57), Box 611A, MIT, Cambridge 39. Mass.
 TROXEL, ROBERT E. (A'39), Chief Prods. Engr., Shure Bros., Inc., 222 Hartrey, Evanston, III.

- TRDXLER, LUCIEN J. (A'17-M'41-SM'43XL), Radio Engr., Hazeltine Electronics Corp., Little Nec 62, L.I., N.Y. TRDY, EDWARD M. (M'57), Mgr., Receiving Tube Test Engrq., RCA. Electron Tube Div., Harrison, N.J. TRDY, PAUL (S'51-A'53-M'59), Research Engr. & Group Leader, Antennas, Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif. TROYAN, JOSEPH F. (S'53-A'55), Research Engr., No. Amer. Aviation, 4300 E. 5 Ave., Columbus, Ohio. TROYANOSKI, WILLIAM, JR. (S'52-A'54-M'59), Application Field Engr., RCA. Harrison, N.J. TRUAX, CHARLES J. (S'53-M'56), Dev. Engr., GE Co., Schnectady, N.Y.
 TRUCKSESS, DAVID E. (A'37-VA'39-SM'49), Power Dev. Engr., Bell Tel. Labs., 463 West St., New York 14, N.Y. TRUE, THOMAS T. (M'57), Advanced Dev. Engr., GE Co., Syacuse, N.Y.
 TRUE, WILLIAM A. (SM'56), Sr. Engr., Local Oscillator
- Syracuse, N.Y.
 TRUE, WILLIAM A. (SM'56), Sr. Engr., Local Oscillator
 Engrg. Dept., Raytheon Mfg. Co., Waitham 54, Mass.
 TRUEBLOOD, DANIEL B., (A'48-M'53), Chief Engr., Eastem Carolina Broadcasting Co., Inc., Box 1024, Goldsboro,
- TRUELL, FARRINGTON (S'55-M'59), Electronics Scientist U.S. Army Ordnance Corps, Ballistics Research Lab., Aberdeen Proving Ground, Md.
- TRUELL, ROHN (A'36-SM'45), Prof., Div. of Applied Mathematics, Brown Univ., 175 Thayer St., Providence, R.I.
- TRUESDELL, RAYMOND L. (S'54-A'55), Elec. Engr., RCA. Camden, N.J.

- RCA. Camden, N.J.

 RUESDELL, RICHARD M. (A'51-M'58), Engr., Collins Radio Co., Cedar Rapids, Iowa.

 RRUGMAN, JACK (M'58), Pres., Design & Sales Engrg. Co., 25 N. Meramec, St. Louis 5, Mo.

 RRUHLAR, GERALD (A'41-M'55), TV Maint. Engr., NBC, 30 Rockefeller Plaza, New York 20, N.Y.

 TRUITT, JOHN R. (S'52-M'58), Field Engr., Elliott Co., 2337 Victory Pkwy., Cincinnati 6, Ohio.

 TRUITT, THOMAS D. (S'55-M'58), Research Engr., Electronic Associates. Inc., Doi: 582, Princeton, N.J.

 TRUKKEN, HOLGER R. (S'49-A'50-M'56), Maj., USAF, Air Force Ballistic Missile Div., W. 76 St., Los Angeles, Calif.

- TRUKKEN, HOLGER R. (S'49-A'50-M'56), Maj., USAF, Air Force Ballistic Missile Div., W. 76 St., Los Angeles, Callf.

 TRULL, DAVY L. (S'56-M'58), Circult Engr., Motorola, Inc., 8200 E. McDowell Rd., Phoenlx, Ariz.

 TRULLINGER, LEONARD L. (A'57), Instr., Radio Engrg. Institute, 2610 Leavenworth, Omaha, Neb.

 TRUMBO, DONALD E. (S'52-A'53), Mem. Tech. Staff, Space Technology Labs., Los Angeles 45, Callf.

 TRUMBULL, AUSTIN F. (A'39), Radio Engrg. Supt., United Air Lines, Internatl. Airport, San Francisco. Calif. TRUMP, B.OIS C. (A'55), Project Engr., Scatter Communications, Inc., 4923 St. Elmo Ave., Bethesda, Md.

 TRUMP, WILLIAM E. (S'51-A'54), Asst. Mgr., Rodgers Organ Co., Box 96, Beaverton, Ore.

 TRUMPER, DAVID K. (A'59), Assoc. Dev. Engr., Burroughs Corp., Paoli, Pa.

 TRUMPLER, JOHN H. (M'58), Design Engr., Microwave Lab., CE Co., Palo Alto, Callf.

 TRUMPY, J. WALTER (A'48), Electronics Engr., Douglas Aircraft Co., Santa Monica, Calif.

 TRUMPI, J. WALTER (A'48), Electronics Engr., Douglas Aircraft Co., Santa Monica, Calif.

 TRUNFIO, ANTHONY P. (S'54-M'55), Electronic Systems Engr., USAF Air Defense Systems Integration Div., Hanscom Field, Bedford, Mass.

 TRUNK, EDMUND G. (SM'58), Staff Engr., Servo Corp. of America, 2020 Jericho Toke., New Hyde Park. L.I., N.Y.

 TRUSCOTT, DAVID N. (A'38-M'55), Mgr., Electronics Div., GE Co. of England, Spon St., Coventry, England. TRUSKE, TED N. (M'57), Engr., Cook Research Labs., 6401 Oakton, Morton Crove, Ill.

 TRUSTY, DAN C. (A'57), Project Engr., Raytheon Mfg.

 Co., Haverhill St., Andover, Mass.

 TRUTKO, JAMES M. (A'49), Electronics Tool Design & Planning, Goodyea Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.

 TRUTKER, JAMES A. (A'55), Mgr., Research Contracts Dept., Radiation, Inc., Box 6904, Oriando, Fla.

- Akron, Ohio.
 TRUTTER, JAMES A. (A'55), Mgr., Research Contracts
 Dept., Radiation, Inc., Box 6904, Orlando, Fla.
 TRUXAL, JOHN G. (S'47-A'48-SM'54), Head, Elec.
 Engr., Dept., Polytechnic Institute of Brooklyn, 333 Jay
 St., Brooklyn 1, N.Y.
- ST., DFOURLYR 1, N.Y.

 TRUXALL, FRED W. (S'46-A'49-M'56), Engr., Industrial Nucleonics Corp., 1205 Chesapeake Ave., Columbus 12, Ohio
- Olio .

 TRYON, JOHN G. (M'53), Head, Dept. of Elec. Engrg., Univ. of Alaska, College, Alaska,
 TRYON, LANSING E. (M'56), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 TRYTKO, EUGENE F. (S'52-A'54), Mgr., Plant Maint. & Engrg., RCA., New Holland Pike. Laucaster, Pa.
 TRZ'MA, JOHN (A'54), 340 Bonnie Brae. Hasca. III.
 TRZ'MA, THADDEUS S. (A'44), District Mgr., West Coast, The Arnold Engrg. Co., Box G., Marengo, III.
 TSACOYEANES, CHARLES W. (S'56-M'58), Applications Engr., Raytheon Mfg. Co., Newton, Mass.
 TSAGGARIS, JAMES N. (S'53-M'55), Elec. Engr., Motorola, Inc., 1450 N. Cicero, Chicago 51, III.
 TSAO, CARSON K. H. (M'55), Research Asst., Cruft Lab.,

- rola, Inc., 1450 N. Cicero, Chicago 51, III.
 TSAO, CARSON K. H. (M'55), Research Asst., Cruft Lab.,
 Harvard Univ., Cambridge, Mass.
 TSAO, FRANKLIN A. (M'59), Engr., Canadian Marconi
 Co., 2442 Trenton Ave., Montreal, P.Q., Canada.
 TSAO, PETER (S'49-A'51-M'56), Asst. Prof., Northern
 Illinois Univ., Dekalb, III.
 TSAO, TSEN CHA (A'38-SM'51), Research Engr., Columbia
 Univ. Electronics Research Labs., 632 W. 125 St.,
 New York 27, N.Y.
- TSCHANEN, WERNER (AI54), Secy.-Treas., Photo Chemical Prods., Inc., 999A Stewart Ave., Garden City, L.I., N.Y.
- L.I., N.Y.

 I SCHANNEN, ROBERT F. (A'41-M'49-6M'62), Supvg.
 Engr., Hazeltine Research, Inc., 5445 W., Diversey Ave.,
 Chicago 39, III.

 I SCHANTZ, LESLE G. (A'56), 2967 N. 89 St.,
 Milwaukee 10, Wis.

 I SCHERNE, ROBERT A. (S'56-M'59), Asst. Engr.,
 Spery Gyroscope Co., Great Neck, L.I., N.Y.

 I SCHIEGG, CARROLL E. (SM'57), Physicist, Natl.
 Bureau of Standards, Washington 25, D.C.

 I SILIBES, GEORGE N. (M'59), Engr., IBM, Poughkeepsle,
 N.Y.

- TSIMBIDIS, JOHN J. (S'57-M'58), Dev. Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago, III.
 TSINTEAS, GEDRGE S. (A'56), Radio Engr., Organization of Greek Telecommunications, Sect. of Exterior Telecommunications, 85 Patission St., Athens, Greece.
- nications, 85 Patission St., Athens, Greece.

 TSUBOI, KISHIO, (A/54), Chief, Radio Engrg. Dept.,
 Nippon Electric Co., Ltd., Tamagawa Plant, 1753
 Tamagawamukal Shimonumabe, Kawasaki City, Japan.

 TSUDA, ROGER Y. (S/54-A/56), Pfc., U.S. Army Signal
 Corps., Home: 5241 43 St., N.W., Washington 15, D.C.

 TSUI, FRANK F. (M/58), Research Staff, Institut fur
 elektrische Nachrichtentechnik Technische Hochschote
 Munchen, Arcisstrasse 21, Munich 2, Germany.

 TSUI, YAW T. (A/59), 4504 1st Ave., S., Minneapolis
 9, Minn.

 TSUZAWA. MASAMI (M/58), Denvis Chief Padio Communiches
- Minn.
 TSUZAWA, MASAMI (M'58), Deputy Chief Radio Communication Sect., & Prof., Study & Research Sect., Police Communication School, Natl. Police Agency, Kasumigaseki, GULARYA, MASAMI (M'58), Deputy Chief Radio Communication Sect., & Prof., Study & Research Sect., Police Communication School, Natl. Police Agency, Kasumigaseki, Chivodaku., Tokvo., Janan.
 TU, JU C. (A'51-M'56), Project Engr., Remington Rand Univac., St. Paul 16, Minn.
 TUBA, WILLIAM C. (M'54), TV Technician, Tuba Bros., TV Service, Windsor, Ont., Canada.
 TUBB, CEORGE E. (M'58), Jr. Engr., Continental Electronics Mfg. Co., 4212 S. Buckner, Dallas 27, Tex.
 TUBINIS, MATTHEW P. (M'57), Sr. Engr., Stomberg-Carlson Co., 10D Carlson Rd., Rochester 3, N.Y.
 TUCCIC, CHARLES J. (A'57), Asst. Publication Engr., Hazetine Electronics Corp., 59-25 Little Neck Pkwy., Little Neck 62, L.I., N.Y.
 TUCCIO, MICHAEL S. (A'51), Elec. Maint., United Aircraft. Canel Proiect. Middletown, Conn.
 TUCHAK, WILLIAM G. (A'152), Adar Technician, 424
 Beresford Ave.. Toronto 9, Ont., Canada.
 TUCHMAN, WALTER L. (M'58), Design Engr., IBM,
 Kingston, N.Y.
 TUCK, CHARLES A., JR. (A'59), Tech. Writer, Telechrome Mfg. Corp., 28 Ranick Dr., Amityville, L.I., N.Y.
 TUCK, EDWARD F. (M'58), Dev. Engr., Lenkurt Electric Co., Inc., 1105 Did County Rd., San Carlos, Calif.
 TUCKER, ALFRED E. (M'58), Tech. Engr., GE Co.,
 Richland, Wash.
 TUCKER, ARTHUR G. (S'50-A'52), Sr. Engr., Ford
 Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
 TUCKER, BILLY J. (S'56-M'57), Engr., Convair, Box 748, Ft. Worth, Tex.

- TUCKER, BILLY J. (S'56-M'57), Engr., Convair, Box 748, Ft. Worth, Tex.
- Ft. Worth, Tex.
 TUCKER, CARLTON E. (A'31-M'34-SM'43), Prof. &
 Exec. Officer, Dept. of Elec. Engrg., MIT, Cambridge
- TUCKER, CHARLES T. (S'57-M'59), 1520 E. Fruit St., Santa Ana, Calif.
- Santa Ana, Calif.
 TUCKER, CHARLES W. (M'5B), Asst. Chief Engr.,
 Republic Natural Gas Co., 311 S. Akard St., Dallas, Tex.
 TUCKER, CLAUDE H., JR. (S'54-A'56), Electronics Engr.,
 Logical Design, GE Computer Lab., 951 Commercial St.,
 Palo Alto, Calif.
- Palo Alto, Calif.

 TUCKER, DUDLEY C. (M'57), Mgr., RCA Victor Co., Ltd., 1450 Castlefield Ave., W., Toronto 9, Ont., Canada.

 TUCKER, DUNDAS P. (A'36-SM'46), Rear Admiral, USN. Home: 1829 Soledad Ave., La Jolla, Calif.

 TUCKER, DURWARD J. (A'30-M'41-SM'43), Mng. Dir., WRR. State Fair Ground, Dallas, Tex.

 TUCKER, EDWIN A. (A'45-SM'53), Sr. Engr., Texas

 Research Associates, 1703 Guadalupe St., Austin 1, Tex.

- TUCKER, EDWIN A. (A '45-0-M'55), r. Engr., lexis revised to the control of the co
- Monrovia, Calif.

 TUCKER, MARLIN (A'50-M'58), Field Engr., Gilfillan Bros.. Inc.. 1815 Venice Blvd., Los Angeles, Calif.

 TUCKER, MILTON F. (S'54-M'57), Lead Engr., McDonnell Aircraft Corp.. Lambert Field, St. Louis, Mo.

 TUCKER, MORRIS H. (A'41), Technician, CBS, 485

 Madison Ave.. New York 22. N.Y.

 TUCKER, NATHANIEL (A'53), V.P. & Genl. Mgr., Microwave Development Labs., Inc., 92 Broad St., Babson Park 57, Wellesley, Mass.

 TUCKER, REXFORD S. (SM'48), Engr., Bell Tel. Labs., Murray Hill, N.J.

 TUCKER, ROBERT E. (M'50), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 El Segundo Blvd., Los Angeles 45, Calif.

- 45, Calif.

 TUCKER, ROBERT E. (M'58), Sr. Research Engr., No. Amer. Aviation. Columbus 15, Ohio.

 TUCKER, ROBERT W., JR. (S'54-M'57), Design Engr., Martin Co., Orlando, Fla.

 TUCKER, SAMUEL M. (M'55), Asst. to Dir., Brookhaven Natl. Lab., Upton, N.Y.

 TUCKER, SHELDON L. (M'56), Test Coordination Engr., Aerojet Genl. Corp., Box 1947, Sacramento, Calif.

 TUCKER, SPENCER A. (M'48-SM'50), Partner, Martin & Tucker, Chase Manhattan Bank Bldg., Little Neck 62, L.I., N.Y.
- L.I., N.Y.

 TUCKER, VERNDN L. (A'4b), Design Specialist, Douglas
 Aircraft Co., 827 Lapham St., El Segundo, Calif.

 TUCKER, WALTER J., JR. (A'47-M'47), Asst. Frequency
 Assignment Officer, Frequency Div., Voice of America',
 330 independence Ave., S.W., Washington 25, D.C.

 TUCKER, WILLIAM K., JR. (A'50), Electronics Engr.,
 U.S. Information Agency, 330 Independence Ave., Washington, D.C.

 TUCKERMAN, LEVERETT S. (A'44-M'55), Staff Engr.,
 U.S. Industries, Inc., 250 Park Ave., New York, N.Y.

- TUCKERMAN, LUCIEN P. (A'25-M 33-SM'43), Tech. Aide, Diamond Ordnance Fuze Labs., Washington 25, D.C. TUCKNOTT, THOMAS P. (S'57-M'59), Assoc. Engr., Natl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthorne, Calif.
- Hawthorne, Calif.

 TUDBURY, CHESTER A. (M'55), Chief Engr., New Rochelle Tool Co., 320 Main St., New Rochelle, N.Y.

 TUDDR, BLAIR J. (A'54), TV Studio Engr., KOED-TV, 525 4 St., San Francisco, Calif.

 TUDDR, EDWARD C. (M'46), Pres., Industrial Development Engre, Associates, Inc., 7900 Pendleton Pike, Indianapolis 26, Ind.
- TUDOR HAROLD (S'55-M'56), Asst. Tech. Writer, Lenkurt Elec. Co., 1105 County Rd., San Carlos, Calif. TUDOR, JAMES R. (A'53-M'57), Asst. Prof., Elec. Engrg., Univ. of Missouri, College of Engrg., Columbia, Mo. TUDOR, JOHN E. (S'51-A'53-M'5B), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.
- 45, Calif.
 TUENI, JOHN A. (S'53-M'56), Electronics Engr., Civil
 Aviation of Lebanon, Internati. Airport, Beirut, Lebanon.
 TUFTE, RICHARD C. (S'54-A'55), Elec Engr., Remington Rand Univac, St. Paul 16, M'nn.
 TUFTS, ROBERT M. (A'46-S'4B-A'51-SM'56), Suppy.
 Electronics Engr., He. NAMAP, USAF, Pacific Air
 Forces, 2712th Maint, GP, APO 323, San Francisco,

- Forces, 2712th Maint, GP, APU 323, San Francisco, Calif.
 Calif.
 TUFTS, WARREN F. (S'51-A'53-M'57), Elec. Engr.,
 Boeing Aircraft Co., Seattle, Wash.
 TUGGY, ROBERT J. (S'56-M'59), Electronics Engr.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.
 TUKIZI, OSAMU (M'57), Research Mem., Elec. Communication Lab., Nippon Telegraph & Telephone Public Corp.,
 1551 Kichligii, Musashinoshi, Tokyo, Japan.
 TUKSAL, MUFID A. (A'48-M'55), Project Engr., Prod.
 & Exhibit Design, GMC, Styling Sect., GMC Tech. Center,
 Detroit, Mich.
 TUL AUSKAS. LEONARD (A'31-SM'47), Staff Engr.,

- TULAUSKAS, LEONARD (A'31-SM'47), Staff Engr., Electronics, P. R. Mallory & Co., Inc., 3029 E. Washington St., Indianapolis 6, Ind.
 TULCHIN, HENRY (S'49-A'50-SM'55), Pres., Derivation & Tabulation Associates, Inc., 67 Lawrence Ave., West Orange, N.J.
- TULGAN, STANLEY S. (S'51-A'52-M'57), Project Engr., Manson Lab., 375 Fairfield Ave., Stamford
- Conn.

 TULL, ERIC H. (A'44-M'45-SM'54), Asst. Prof., Univ. of Western Ontario, London, Ont., Canada.

 TULL, WILLIAM J. (M'46-SM'53), V.P., Dir., Avionics Sales Div., Assoc. Dir., Avionics Engra., Div. Genl. Precision Lab., Inc., 65 Bedford Rd., Pleasantville, N.Y.

 TULLAI, JOSEPH (S'57-M'5B), Design Engr., RCA, 156 Pine St., Manticoke, Pa.

 TULLIS, BUD C. (A'57), Sidewinder Test, GE Co., Utica, N.Y.

 TULLIUS, A. BERNARD (A'43-M'51), Sr. Engr., Chance Vought Aircraft, Box 5907, Dallas, Tex.

 TULLIUS, RICHARD F. (M'54), District Engr., GE Co., 3200 M ande, Dallas, Tex.

 TULLIUS, FRANK N. (A'46-M'4B), Research Specialist, Humble Oil & Refining Co., Research Center, Box 2180, Houston, Tex.

- TULLOSS, WILLIAM S. (S'57-M'5B), Research Assoc., Ohio State Univ. Antenna Lab., 1845 N. High St., Col-umbus 10, Ohio. TULLY, ALEXANDER (M'5B), Signals Officer, Engrg. Maint., Kenya Police Force, Box 3DOB3, Nairobi, Kenya, East Africa.

- TULLY, ALEXANDER (M'5B), Signals Officer, Engrg. Maint. Kenya Police Force, Box 3DOB3, Nairobi, Kenya, East Africa.

 TULLY, PAUL P. (A'5B), Radar Electronics Specialist, FAA, Naval Air Sta., Quonset Point, R.I.

 TULTS, JURI (S'54-M'56), Research Engr., RCA Labs., Princeton, N.J.

 TUMA, GERALD (A'46-SM'54), Prof., Elec. Engrg., Univ. of Oklahoma, Norman, Okla.

 TUMA, JAMES C. (S'5B-M'59), Application Engr., Control Corp., 71B Central Ave., N.E., Minneapolis, Minn.

 TUMA, WILLIAM S. (S'50-A'52-M'55), Electronics Dev. Engr., Coodyear Aircraft Corp., Akron, Ohio.

 TUMINARO, RAYMOND D. (M'5B), Dev. Engr., Weeting-house Elec. Corp., Baltimore 3, Md.

 TUNELL, JDHN C. (S'57-M'5B), Asst. Engr., Westing-house Elec. Corp., Baltimore 3, Md.

 TUNELL, ROBERT H. (A'51), Sect. Engr., Code Control (M'58), Asst. Engr., Westing-house Pittsburgh 1B, Pa.

 TUNG, JOSEPH K. (S'56-M'57), Research Asst., Columbia Univ., Naw York, N.Y.

 TUNG, JOSEPH K. (S'56-M'59), Assoc. Engr., Boeing Airplane Co., Box 707, Seattle, Wash.

 TUNIS, CYRIL J. (M'59), 2D Stadium Pl., New Orleans 1B, La.

 TUNNICLIFFE, WILLIAM W. (A'43-M'55), Systems Engr., Raytheon Mfg. Co., Wayland, Mass.

 TUNTURI, ARCHIE R. (A'44), Asst. Prof., Anatomy, Univ. of Oregon Medical School, 3138 S.W. Sam Jackson Park Rd., Portland 1, Ore

 TUNWALL, CARL S. (A'55), Owner & Chief Engr., Carl S. Tunwall Radio Electronics Co., 1520 4 Ave., S., F.L. Dodge, Iowa.

- TUPMAN, LINUS M. (A'53-M'55), Supvr., Elec. & Electronic Component Dev., GE Co., ANPD, Box 132, Cincinnati 15, Ohio.

- Cincinnati 15, Ohio.

 TUPPER, BERTRAM R. (A'36-SM'36-F-54), Chief
 Engr., British Columbia Telephone Co., 76B Seymour
 St., Vancouver 2, B.C., Canada.

 TURANO, MICHAEL J. (A'59), Electronics Technician,
 American Bosch Arma Corp., Garden City, L.I., N.Y.

 TURBEVILLE, WILLIAM L. (S'56-M'5B), Engr., Martin Co., Drawer 'M', Cocoa, Fla.

 TURCHAN, PAUL J. (A'50), Chief Engr., Central Ontario Television, CKCO-TV, B6d King St., W., Kitchener,
 Ont., Canada.

 TURCHI, DOMENIC J. (A'57), Assoc. Dev. Engr.,
 Burroughs Corp., Paoli, Pa.

 TURCHIANO, MICHAEL W. (4'55), Engr., Sperry Cymp.
- TURCHIANO, MICHAEL W. (A'55), Engr., Sperry Gyroscope Co., Carle Place, L.I., N.Y.

 IURCHIN, MORTON J. (S'56-M'59), 401 E. 5 St.,

 Brooklyn 1B, N.Y.

- TURCZYN, ALEXANDER (A'57), Engr., Technical Engrg. Co., 1952 E. Allegheny Ave., Philadelphia, Pa.
- TURCZYN, WALTER A. (A'38-M'46), Engr., New York Telephone Co., 140 West St., New York, N.Y. TURECKI, ANATOLE (M'56), Elec. Engr., RCA, Camden
- Z, N.J.

 VIREK, CLARENCE W. (S'54-M'57), Elec. Engr., Motorola, Inc., 4505 Augusta Blvd., Chicago 51, III.

 TURENCHALK, HARRY SR. (M'57), Sr. Engr., Sylvania
 Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Calif.

 TURETSKY, NORMAN (S'56-M'59), Assoc. Engr.,
 IBM, Kingston, N.Y.

 TURF, LARRY (A'57), Elec. Engr., Melpar, Inc., 3000
 Arlington Blvd., Falls Church, Va.

 TURCISS, WALTER W. (S'54-M'56), Electronic Scientist, Air Force Cambridge Research Center, Hanscom
 Field, Bedford, Mass.

 TURHAN, MUZAFFER (M'56), Mgr., Dir., Pfizer
 Ilaclari A.S. Muallim Naci Caddesi, Bostan Cikmazi
 No. 3, Ortakoy-Istanbul, Turkey.

 TURIK, MICHAEL (A'58), 3745 Rockwell Ave., Wind-

- No. 3, Urakoy-Istanbul, Turkey.
 TURIK, MICHAEL (A'5B), 3745 Rockwell Ave., Windsor, Oht., Canada.
 TURIN, GEORGE L. (M'56-SM'59), Research Physicist,
 Hughes Research Labs., 3101 Malibu Canyon Rd., Malibu,
 Calif.
- Calif.

 TURK, GEORGE L., JR. (S'56-A'59), Communications
 Operations Super., 273rd Communications Sqdn., Texas
 Air Natl. Coard, Box 1117, Nederland, Tex.

 TURKE, BERFORD A. (M'56), Chief Engr., Turke Industrial Enterprises, 423 S. Lincoln St., Hinsdale,
 III.
- TURKHEIMER, PAUL M. (M'55), Sr. Engr., Bogue Electrical Mfg. Co., 52 Iowa Ave., Paterson 3, N.J. TURKISH, MICHAEL C. (A'46-M'55), Div. Dir., Re-search & Dev., Eaton Mfg. Co., Spring Div., 9771 French Rd., Detroit 13, Mich.
- TURKD, DOUGLAS A. (S'51-A'51-M'57), Design Engr., Boeing Airplane Co., Renton, Wash.
- Boeing Airplane Co., Renton, Wash.
 TURKOT, ANDREW (S'51-A'54), Prod. Service Engr.,
 GE Co., Phoenix, Ariz.
 TURLEY, RICHARD N. (M'55), Engr., RCA Service Co.,
 Patrick AFB, Fla.
 TURLINGTON, THOMAS R. (A'59), Code 'B' Lab. Technician, Westinghouse Elec. Corp., Friendship Internatl.
 Airport, Baltimore, Md.
- Airport, Baltimore, Md.
 TURN, REIN (S'56-M'5B), Engr., Advanced Electronics
 M'0. CO., 2116 S. Sepulveda, Los Angeles 25, Calif.
 TURNACE, HOWARD C., (S'49-A'49-M'55), Project
 Engr., Melpar, Inc., 3000 Arlington Bivd., Falls

- Church, Va.

 TURNAGE, RODGER E., JR. (S'49-A'51-M'56), Sr. Electronics Design Engr., Stromberg-Carlson Co., 1895 Hancock, San Diego 12, Calif.

 TURNABAUGH, CHESTER C. (M'5B), 5B75 Speedway Dr., Indianapolis 24, Ind.

 TURNBULL, HUGH A. (S'37-A'45-M'55-SM'55), Engr., U.S. Information Agency, Internati. Broadcasting Service, 330 Independence Ave., Washington, D.C.

 TURNBULL, J.A. (S'47-A'49), Engrg. Supvr., Northern Electric Co., Ltd., 1261 Shearer St., Montreal, P.Q., Canada.

 TURNBULL, JOHN L., JR. (S'58-M'5B), Field Engr., Western Union Telegraph Co., 239 S.W. Broadway, Portland 5, Ore.

- TURNBUL L, JOHN L., JR. (S'5B-M'5B), Field Engr., Western Union Telegraph Co., 239 S.W. Broadway, Portland 5, Ore.

 TURNBULL, JOHN R. (S'57-M'59), Design Engr., IBM, Pouphkeepsie, N.Y.

 TURNBULL, JOHN S., JR. (S'50-A'52-M'57), Engr., Collins Radio Co., 2700 W. Olive St., Burbank, Calif.

 TURNBULL, STANLEY W. A. (S'54-M'59), Electronics Engr., The Budd Co., Philadelphia, Pa.

 TURNER, ALFRED H. (A'39-VA'39-M'55), TV Advance Dev. Engr., RCA, Camden, N.J.

 TURNER, ALVA (A'22-VA'39-M'55), Assoc. Prof., Physics Hunter College, 699 Park Ave., New York 21. N.Y.

 TURNER, ARTHUR S. (S'56-M'5B), Research Physicist, Baird-Atomic, Inc., 33 University Rd., Cambridge. Mass. TURNER, BASIL S. (M'52), Exec. V.P., Treas., & Genl. Mgr., Chicago Telephone Supply Corp., 1142-1232 W. Beardsley, Elkhart, Ind.

 TURNER, CARR LR. (S'55-M'56), Transistor Applications Engr., RCA, Semiconductor Div., Rte. 202, Somerville, N.J.

 TURNER, CARROLL C. (A'28-SM'4B), V.P., & Genl. Mgr., Communications Engrg. Co. of Houston, 6422 Long Dr., Houston, Tex.

 TURNER, CHARLES J., JR. (S'51-A'52-M'5B), Lockheed Aircraft Corp., Marietta, Ga.

 TURNER, DAVID G. (S'56-M'5B), Sclentific Officer, Defence Research Board, CARDE, Valcartier, P.C., Canada.

 TURNER, DAVID G. (S'56-M'59), BOQ, Box 143, Sandia Base, Albuquerque, N.M.

 TURNER, EDWARD (S'dB-A'49-M'59), Engr., Sperry Gyroscope Co., Great Neek, L.I., N.Y.

 TURNER, EDWARD H. (SM'55), Mem. Tech. Staff, Bell tel. Labs., Box 107, Red Bank. N.J.

 TURNER, EDWARD H. (SM'56), Fig., Jr. Engr., Philco Corp., 33B75 Fabian Way, Palo Alto, Calif. TURNER, FRANK I. (S'51-M'58), Jr. Engr., Philco Corp., 33B75 Fabian Way, Palo Alto, Calif. TURNER, FRANK I. (S'49-M'56), Research Assoc., Applied Electronics Lab., Stanford Univ., Stanford, Calif.

- TURNER, FRANKLIN M. (S'49-A'52-M'56), Research Assoc., Applied Electronics Lab., Stanford Univ., Stanford, Calif.
- CAIN.
 TURNER, GEORGE K. (M'56), Pres., G. K. Turner
 Associates, 2590 Ross Rd., Palo Alto, Calif.
 TURNER, GEORGE S. (A'22-M'2B-SM'43-F'57), Chief,
 Field Engrg. & Monitoring Bureau, FCC, Washington 25,
 D.C.
- D.C.
 TURNER, GUY C. (M'5B), Test Equipment Engr., Loral Electronics Corp., B25 Bronx River Ave., New York 72. N.Y.
 TURNER, H.M. (A'14-M'30-F'37)(L), Assoc. Prof. Emeritus, Yale Univ., New Haven, Conn.
 TURNER, HARRIS E. (A'3B-M'47), Head, System Engrg. Sect., Industrial Mgr., 14th Naval District, U.S. Naval Shipyard, Pearl Harbor, Hawaii.
 TURNER, HARRY (SM'57), Electronics Engr., Electronic Associates, Long Branch Ave., Long Branch, N.J.
 TURNER, HENRY C. (A'53-M'5B), Equipment Specialist, Radar, Zami, Ground Electronics Engrg. Installation Agency, Kelly AFB, Tex.

- TURNER, JAMES F. (A'58), Publications Engr., Collins Radio Co., Cedar Rapids, Jowa. TURNER, JAMES M. (M'57), Project Engr., IBM, Kingston,
- N.Y.
 TURNER, JERRY G. (S'55-A'57), Missile Systems Instrumentation Technician, Convair-Astronautics, M.S.T.S., Edwards AFB, Callf.
- TURNER, JOE S. (A'42-SM'51), Chief, Radar Engrg. Div., FAA, Washington 25, D.C.
- r AA, Washington 25, D.C.
 TURNER, JOHN H. (4'56), Pres., Institute of Electronics
 Technology, 615 12 St., New Westminster, B.C., Canada.
 TURNER, JOHN L. (5'49-A'50-M'55), Sr. Engr., Edgerton,
 Germeshausen & Grier, Inc., 160 Brookline Ave., Boston 15,
 Mass.
- Mass.

 TURNER, JON!. (A'5B), Radar Maint. Technician, Georgia Air Natl. Guard, 1117 Intermediate Rd., Savannah, Ga.

 TURNER, JOSEPH, JR. (A'32-VA'39), Radio Engr., WCN, Inc., 441 N. Michiagan, Chicago 11, III.

 TURNER, KENNETH A. (S'44-A'47-M'55), 4 Glenshaw Crescent, Toronto 16, Ont., Canada.

 TURNER, L. D. (A'57), Field Engr., Philoc Corp., 22

 St. & Lebigh Ave., Philadelphia 32, Pa.

 TURNER, MANUEL L., JR. (S'49-A'50-M'5B), Supw., ECM Reconnaissance & Displays Engr., GE Co., LMED, Utica, N.Y.

- Utlca, N.Y.
 TURNER, OSCAR G., JR. (\$'57-M'5B), Engr., Bendix
 Prods. Div., 401 Belger St., Mishawaka, Ind.
 TURNER, PORTER M. (\$'38-A'40-M'55), Owner, Port
 Turner Co., 1396 Merritt Dr., El Cajon, Callf.
 TURNER, RALPH E. (A'54-M'56), Engr., Reliability
 Sect., Martin Co., Orlando, Fla.
 TURNER, RAYMOND J. A. (M'51-SM'54), Prod. Mgr.,
 Lake Engrg. Co., Ltd., 123 Manville Rd., Scarborough,
 Ont., Canada.
- TURNER, RICHARD L., JR. (A'55), Instr., Elec. Engrg., Univ. of Washington, Seattle 5, Wash. TURNER, RICHARD P. (M'56), Mgr., Alr Force Operations, Hoffman Labs., Div., Talbott Bidg., 1st & Ludlow Sts., Dayton, Ohio.
- TURNER, RICHARD R. (M'45), Engr., 412 Washington Ave., Haddonfield, N.J.
- Ave., Haddonfield, N.J.
 TURNER, ROBERT W. (S'37-A'39-S'40-A'41-M'55),
 Branch Head, Submarine Antenna Sys. Development Branch,
 USN Underwater Sound Lab., New London, Conn.
 TURNER, ROLAND J. (S'51-M'56), Project Engr., Research
 Div., Philco Corp., 4700 Wissahickon Ave., Philadelphia
 44, Pa
- TURNER, RUSSELL D. (A'57), Technician, GE Co., X-Ray Div., Pinellas Peninsular, St. Petersburg, Fla. TURNER, SAMUEL D., JR. (M'57), Assoc. Test Operations Analyst, RCA Service Co., Patrick AFB, Fla.
- TURNER, SAMUEL E. (S'50-A'52), 2833 Regent St., Berkeley 5, Calif.
- TURNER, THOMAS B. (M'5B), Telephone & Telegraph Comm. Supvr., NA AACS Region, USAF, APOB62, New York, N.Y.

- New York, N.Y.

 TURNER, THOMAS F. (J'42-A'43-M'54), Project Engr., Microwave Lab., Stanford Univ., Stanford, Calif.

 TURNER, WILLIAM (S'46-A'49-M'53), 358 Pemberton Rd., Rochester 9, N.Y.

 TURNER, WILLIAM C. (A'54), Supvr., Electronics Installation, FAA, New York Internati. Airport, Jamaica 30, L.I., N.Y.
- TURNER, WILLIAM L. (S'56-M'57), Electronics Engr., Convair, Pomona, Calif.
 TURNER, WILLIAM P. (S'50-A'52), Capt., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohio.
 TURNER, WILLIAM R. (S'42-A'44-M'47), Asst. Group Leader, Vitro Labs., 14000 Georgia Ave., Silver Spring, Md.

- Md.

 TURNEY, GORDON M. (A'55), Tech. Officer, Dept. Natl.
 Defence, RCAF, Trenton. Ont., Canada

 TURNOW, WILLIAM F. (A'47-M'55), Radar Engr., RCA
 Communication Prods., Camden 2, N.J.,
 TURNQUIST, DAVID W. (S'55-M'57), Applications Engr.,
 Square D. Co., 650 W. 12 Mile, Madison Heights, Mich.
 TURNQUIST, E. REED (S'58-M'59), Operations Asst.,
 Mountain States Telephone & Telegraph Co., 1421
 Champa St., Denver 2, Colo.
 TURNQUIST, RODNEY D. (S'55-M'57), Elec. Engr.,
 Remington Rand Univac, St. Paul 16, Minn.
 TURNELL, PHILIP T. (M'58), Radio Engr., Radio Sta
- TURRELL, PHILIP T. (M'58), Radio Engr., Radio Sta. HCJB, Casilla 691, Quito, Ecuador, South America. TURRELL, R. MILTON (M'45), Air Force Contract Mgr., Crosley Div., Avco Mfg. Corp., 1329 Arlington, Cincinnati 25, Ohio.
- 25, Ohio.

 TURRENTINE, RICHARD E. (S'44-A'46-SM'55), Electronics
 Engr., GE Research Lab., The Knolls. Schenectady, N.Y.

 TURRI, RICHARD N. (S'56-M'59), Elec. Engr., GE Co.,
 4B55 Electric Ave., Milwaukee, Wis.

 TURRIN, RICHARD H. (S'56-M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Holmdel, N.J.

 TURRINI, JOHN J. (M'46), Lead Test Planning Engr.,
 Western Electric Co., Chatham Rd., Winston-Salem, N.C.
- TURSKI, STEFAN (M'56), Resident Engr., Magnavox Co., Greeneville, Tenn.
- TURSKY, BERNARD (A'56), Electronics Engr., Mass-achusetts Mental Health Center, 74 Fenwood Rd., Boston, Mass.
- Mass.
 TURTIL, JOSEPH F. (M'56), Head, Servo Group, OSSON,
 Clrouit Breaker Co., 601 E. Erie Ave., Philadelphia 34, Pa.
 TURTON, EDWARD P. (A'58), Aast. Supt., Northern
 Electric Co., Montreal, P. Q., Canada.
 TURVEY, FRANK P., JR. (A'53-M'58), Mem. Tech. Staff,
 ITT Labs., 1389 Peach Tree, N.E., Atlanta 9, Ga.
 TURY, STEPHEN F. (A'55), Engr., Duquesne Univ., Pittsburgh, Pa.

- burgh, Pa.
 TUSHAR, HENRY J. (M'57), Tech. Engr., GE Co., Evendale, Ohio.
 TUSKA, CLARENCE D. (A'14-M'41-SM'43-F'57), Staff Consultant, RCA, Princeton, N.J.
 TUSKA, JAMES W. (S'55-M'57), Research Engr., Data-Control Systems Inc., 39 Rose St., Danbury, Conn.
 TUSTIN, FRED C. (A'56), Asst. to Sales Mgr., Battery Prods., Natl. Carbon Co., BO5 Davenport Rd., Toronto 4, Ont., Canada.
- TUSTIN, WAYNE (S'43-A'45-M'51), Preliminary Design Engr., MB Mfg. Co., Box 1825. New Haven 8. Conn. TUSZYNSKI, ALFONS A. (M'5B), 54 S. Park, Hallfax, N.S., Canada.

- TUTEUR, FRANZ B. (S'49-A'51-M'56), Assoc. Prof., Elec. Engrg., Yale Univ., New Haven 11, Conn. TUTHILL, ALLEN F. (A'5B), 40 Austin Ave., Staten Island 5, N.Y.
- TUTHILL, EDWARD G. (M'56), Project Engr., Collins Radio Co., Cedar Rapids, Iowa. TUTLE, EDWARD G. (A'50), Consultant, Tutle Engrg. Associates, 7717 S. Komensky Ave., Chicago 29, III. TUTOL1, JOSEPH G. (S'52-A'54), Part Owner, John C. Tutoli & Sons, Radio & TV Service, 220 Henry St., New York 2, N.Y.
- TUTTLE, C. W. (A'23), 1B1 E. 93 St., New York 2B,

- N.Y.
 TUTTLE, DAVID F., JR. (S'34-A'39-M'47-SM'54), Prof., Elec. Engrø., Stanford Univ., Stanford, Calif.
 TUTTLE, JAMES B. (S'50-A'51-M'55), Electronics Engr., Hughes Aircraft Co., Holloman AFB, N.M.
 TUTTLE, LAUREN P., JR. (S'56-M'5B), 125 Greenwood Dr., Falls Church, Va.
 TUTTLE, LEROY H. (S'34-A'36-VA'39-M'55), U.S. Electronics Engr., FCC, 400 E. Lombard St., Baltimore 2, Md.
- 2, Md.
 TUTTLE, RICHARD W. (S'42-A'44-M'45), Engr., Raymond
 Engrg. Corp., Smith St., Middletown, Conn.
 TUTTLE, W. NORRIS, (A'26-SM'46-F'49), Engrg. Consultant,
 Genl. Radio Co., 22 Baker Ave.. West Concord. Mass.
 TUTTLE, WILLIAM R. (S'58-A'58), Broadcast Engr., KCMOTV, Meredith Engrg. Co., Kansas City, Mo.
 TUTTY, JOHN E. (A'49-M'55), Systems Engr., IBM, Owego,
 N,Y.
- TUTWILER, KENNETH E. (A'55-M'55), Programmer, IBM, Kingston, N.Y.
- Kingston, N.Y.

 TUVE, MERLE A. (A'45-F'45), Dir., Dept. of Terrestrial Magnetism, Carnegie Institution of Washington, 5241 Broad Branch Rd., N.W., Washington 15, D.C.

 TUZNIK, RICHARD H. (S'50-A'51-M'56), Dev. Engr., Billey Electric Co., Union Sta. Bldo., Erie., Pa.

 TVEIT, THEODORE J. (S'42-A'43-M'55), Dev. Engr., Barber Colman Co., Rockford, Ill.

 TWASKA, VETO M. (A'54), Technician, KDKA-TV (Westinghouse Broadcasting Co., Inc.,), 1 Gateway Center, Pittsburgh 22, Pa.

- house Broadcasting Co., Inc.,), 1 Gateway Center, Pitts burgh 22, Pa.

 TWEED, GEORGE C., JR. (M!56), Group Engr., Radiation Systems Lab., Convair-Astronatics. San Diego. Calif. TWEEDDALE, J. ELWOOD (SM!54), Western Electric Co., 120 Broadway. New York S. N.Y.

 TWEEDT, ORLIN C. (S:57-A!59), Sr. Lab Aset, Colline Radio Co., Cedar Rapids, Iowa.

 TWERSKY, VICTOR (S:57-A!59), Sr. Lab. Consultant, Sr. Specialist, Electronics Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 TWICKEN, SAUL (S!51-A!52-M!57), Staff Engr., IBM, Poughkeepsie. N.Y.

 TWINAM, JOSEPH R. (A!54), Electronics Engr. Class AA, RCA., Camden, N.J.

 TWIST, GERALD A. (S'49-A!52-M!56), Sr. Engr., Philco Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 TWITCHELL, HENRY D., JR. (M!59), Elec. Dev. & Prod. Design Engr., RCA, Camden B, N.J.

 TWOHIG, PAUL E. (A!57), Mgr., Prod. Development Dept., The Natl. Cash Register Co., 1401 E. El Segundo Blvd., Hawthome, Calif.

 TWOMBLY, BERNARD B. (A!54-M!54), Traffic Engr., Massacherster Dept. of Devis Worker. 100 Nashus 21, Boston

- TWOMBLY, BERNARD B. (A'54-M'54), Traffic Engr., Mass-achusetts Dept. of Public Works, 100 Nashua St., Boston, Mass.

- achusetts Dept. of Public Works, 100 Nashua St., Boston, Mass.

 Mass.

 Mass.

 ModBLY, JOHN C. (M'56), Assoc. Research Engr., Engrg. Experimental Sta., Univ. of Colorado, Boulder, Colo. TWOMBLY, JOSEPH W. JR. (S'19-A'50-M'55), Design Engr., McDonnell Aircraft Corp., St. Louis, Mo. TYAACK, FRANZ H. (M'59), Supvy. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

 TYACK, LEROY C. (SM'47), Supt., Military Engrg., Western Electric Cor., Chatham Rd., Winston-Salem, N.C.

 TYBERG, AXEL H. (A'49-M'54), Engr., Crosley Div., Avco Mfg. Co., 1329 Arlington St., Cincinnati 38, Ohio.

 TYE, GENE (A'59), Engr., GE Co., Johnson Citv. N.Y.

 TYER, ALTON A. (S'56-M'5B), Assoc. Electronics Engr., Convair-Astronautics, Box 1128, San Diego, Calif.

 TYKOCINER, J.T. (M'21-SM'43)(L), Research Prof., Emeritus, Elec. Engrg., Lab., Univ. of Illinois, Urbana. Ill.

 TYKULSKY, ALEXANDER (A'47-M'55), Chief Engr., Manson Labs., 375 Fairfield Ave., Stamford, Conn.

 TYLE, AXEL B. (M'50-SM'57), Dir., Electronics Div., Multnomah College, 1022 S.W., Salmon St., Portland 5, Ore.

 TYLER, EDWARD M. (A'47-M'55), Asst. to V.P., Hazeltine Fleetmeirs Corp.

- 5, Ore.

 TYLER, EDWARD M. (A'47-M'55), Asst. to V.P., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 TYLER, R. DONALD (M'58), Supt., Elec. Dev., Allison Div., GMC, Indianapolis, Ind.

 TYLER, RICHARD H. (A'53), Test Equipment Engr., Sprague Electric Co., North Adams, Mass.

 TYLER, RICHARD S. (M'59), Instr., FAA, Aeronautical Center, Box 1082, Oklahoma City, Okla.

- TYLER, RICHARD S. 04/159), Instr., FAA, Aeronautical Center. Box 1082, Oklahoma City, Okla.

 TYLER, ROBERT T. (M/58), Electronics Systems Engr., Lockheed Aircraft Corp., Box 551, Burbank, Calif.

 TYLER, SIMEON R. (SM/55), 2804 W. 74 St., Prairie Village 13, Kan.

 TYLER, VICTOR M., II (S'155–M'55), Engr., Edgerton, Germeshausen & Grier, Inc., 160 Brookline Ave., Boston, Mass.

 TYLER, WILLIAM L. (S'157–M'58), Det. F, KMAG, APO 59, San Francisco, Calif.

 TYLINSKI, FRANK V. (A'55), Mfrs. Agent, Frank Tylinski Co., 73–63 Bell Blvd., Bayside 64, L.I., N.Y.

 TYLKA, JOHN, JR. (S'153–M'54), Electronics Engr., U.S., Naval Ordnance Test Sta., 3202 Foothill, Pasadena, Calif.

 TYLOR, HARRY L. (SM/57), Tech. Advisor, Chief Field Liaison, Air Research & Development Command, USAF, Andrews AFB, Washington 25, D.C.

 TYMANN, THOMAS J. (S'153–A'154), Electronics Engr., GE Co., Syracuse, N.Y.

 TYMINSKI, WALTER V. (S'47–A'150–M'15E), Sentry Mgr., Lockheed Missile & Space Div., Sunnyvale, Calif.

 TYNDALL, RICHARD M. (M'54), Head, Standards & Cost Improvement Sect., Industrial Engrp. Dept., Amna Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

 TYNES, REX A. (SM/58), Asst. Exec. V.P., Public Service Co. of New Mexico, Box 1360, Abusueruse N. M.

- TYNES, REX A. (SM*58), Asst. Exec. V. P., Public Service Co. of New Mexico, Box 1360, Albuquerque, N. M. TYRAS, GEORGE (S'54-M*57), Research Fnor., Boeing Air-plane Co., Seattle 14, Wash.

TYRLICK, WILLIAM V. (M'57), Engr.-1, Stromberg-Carlson Co., 1400 N. Goodman St... Rochester 9, N.Y. TYROS, GEORGE (S'57-A'59), Systems Technician, Raytheon Mig. Co., Haverhill St., Andover, Mass.

- 413 -

- TYRRELL, RAYMOND L. (S'57-A'58), Rte. 1, Walla Walla,
- Wash.
 TYRRELL, ROBERT A. (A'50), Sr. Engr., Group Supvr., Lock-heed Missile & Space Div., Sunnyvale, Calif.
 TYSENN, WALTER J. 6M'59), Fire Control Design Engr.,
 Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 37,
 Pa.
- Pa. TYSON, BENJAMIN F. (S'36-A'39-SM'49-F'5B), Engro. Mgr., Physics Labs., Sylvania Elec. Prods., Inc., 20B, 20 Willets Point Blvd., Bayside, L.I., N.Y. TYSON, GRAHAM (A'54), Applications Engr., Telemeter Magnetics, Inc., 2245 Pontius Ave., Los Angeles, Calif. TYSON, H. BLAIR (S'57-A'5B), Sudent-Instr., Milwaukee School of Engrg., 1025 N. Milwaukee St., Milwaukee 2,
- Wis.
 TYSON, OWEN A. (A¹43), Assoc. Mgr., Microwave Lab.,
 Hughes Aircraft Co., Culver City, Calif.
 TYSSE, HENRY L. (A¹00-VA¹39), Owner, Mgr., Holland
 Radio & Appliance Co., 448 Washington So., Holland,
- TYZZER, HOWARD J. (A'20-M'39-SM'43), Chief Engr., Ferris Instrument Co., 110 Cornelia St., Boonton, N.J. TZSCHENTKE, HANS A. (A'54-M'5B), Research Engr., Libra-scope, Inc., 100 Tujunga Ave., Burbank, Calif.
- 1235 HENTIC, 1101 Tujunga Ave., Burbank, Calif.
 TZTOVITCH, MAXIM A. (A'58), Instr., Heald Engrg. College, 1215 Van Ness Ave., San Francisco, Calif.

- UBBEN, ROGER C. (S'56-M'59), 224-D Haddon Hill Apts. Haddonfield, N.J.

 UBERMAN, SEYMOUR (M'58), Administrative Engr., Vickers, Inc., 3201 Lomita Blvd., Torrance, Calif.

 UBRY, LEO E., JR. (S'50-A'51-M'56), Sr. Dev. Engr., Stromber-Carlson Co. Box 2449, San Diego 12, Calif.

 UCHIDA, HIDENARI (SM'57), Pmf., Research Institute of Electrical Communications & Faculty of Engrg., Tohoku Univ., 5 Sakura-Koji, Sendal, Japan.

 UCHIDA, HIDEO (A'57), Pres., Uchida Tech. Consulting Corp., 1124, Kami-Kitazawa, 3-chome, Setagaya-ku, Tokyo, Japan.

- Tokyo', Japan.

 UCHIMARU, KIYOCHI (S'55-M'56), Dev. Engr., Tamapawa Plant, Nippon Electric Co., 1753 Tamapawamukai,
 Shimonumabe, Kawasaki-City, Kanagawa-ken, Jabati.
 UDA, SHINTARO (SM'57), Prof., Dept., Elec. Communications Engrg., Tohoku Univ., 5 Sakura-Koji, Sendai, Japan.

 UDALOV, SERGEI (S'57-M'58), Elec. Engr., Hoffman Labs.,
 Inc., 3761 S. Hill St., Los Angeles 7, Calif.

 UDELSON, BURTON J. (A'50-M'55), Electronics
 Scientist, Diamond Ordanace Fuze Labs., Washington
 25, D.C.

 UDRY, JOHN J. (SM'57). Chief Engr. Viking Industries

- 25, D.C.

 UDRY, JOHN J. (SM'57), Chief Engr., Viking Industries, Inc., 21343 Roscoe Blvd., Canoga Park, Calif.

 UEBELLE, GEORGE S. (M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 UEBELHORE, HERBERT K. (S'56-M'59), Engr., Kearfott Cn., 1500 Main Ave., Clifton, N.J.

 UEBERMUTH, HERMAN W. (M'57), Deutsche Philips, GmbH, Wetzlar, Bruhlsbachstrabe 15, Germany.

 UECKE, EDWARD H. (A'42), Chief Electronics Engr., Control Records, Inc., 1750 N. Vine St., Hollywood 28, Calif.
- 28, Calif.
 VELSMANN, WILLIAM G. (S'50-A'54), Electronics Engr.,
 Zenith Radio Corp., 6001 W. Dickens Ave., Chicago, III.
 UENOHARA, MICHIYUKI (S'52-A'54-M'57), Mem.
 Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 UESUGI, YAHEI (A'56), Asst. Dir., Broadcast Engrg.
 Sect., Radio Regulatory Bureau, Ministry of Posts &
 Telecommunications, 54 Miyazono-dori, 5 Chome,
- Telecommunications, 9.4 m/azono-oori, 3.5 chome, Nakano-Ku. Tokyo, Jaoan.

 UFFELMAN, MALCOLM R. (M'59), Elec. Engr., Melpar, Inc. ... 3000 Arlington Blvd., Falls Church, Va.

 UGAI, SHIGETAKA (M'57), Chief Research Mem. of Elec. Communication Lab., Nippon Telegraph & Telephone Public Corp., 1551 Kichijolij, Musashinoshi, Tokyo, Japan.

 UGLOW, KENNETH M., JR. (S'42-A'45-SM'54), Dir., Research & Engra, Electro Mechanical Research, Inc., Box 3041, Sarasota, Fla.
- UGOLETTI, LOUIS S. (M'58), Asst. Academic Dir., Penn Technical Institute, 5440 Penn Ave., Pittsburgh 6, Pa.
- UGUCCINI, ORLANDO W. (M'56), Chief Engr., Nati. Spectrographic Labs., Inc., 6300 Euclid Ave., Cleve-land 3, Ohio.
- Iand 3, Ohio.

 UHL, JAMES E. (A'59), Wireman, Sandia Corp., Sandia Base, Albuquerque, N.M.

 UHL, MARSHALL H. (S'52-A'54-M'59), Environmental Engr., Hallicarters Co., 4401 W. 5 Ave., Chicago, III.

 UHLER, KENNETH W. (M'53-SM'57), Applications Engr., Industrial Tube Application Lab., RCA, Harrison, N.J.

- N.J.

 N.J.

 UHLIR, ARTHUR, JR. (A'53-SM'58), Dir., Semiconductor Research & Dev., Microwave Associates, Inc., Burlington, Mass.

 UHLMAN, JAMES C. (A'50), Dir., Manitoba Govt., Air Service, Lac du Bonnet, Man., Canada.

 UHRAN, JOHN J., JR. (S'56-M'58), Research Engr., Hazeltine Research Corp., Little Neck 62, L.I., N.Y.

 UHRHANE, FRANCIS F. (SM'55), Brig. Gen., U.S. Army, Deputy Chief of Staff, C&E, Hors. NORAD, Ent. AFB, Colorado Springs, Colo.

 UHRICH, WILLIAM J. (A'45-SM'50), Mgr., Reliability & Standards, Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

 UHRIG, ARLET F. (S'54-A'55), Studio Supvr., WISC-

- Nashua, N.H.

 UHRIG, ARLET F. (S'54-A'55), Studio Supvr., WISC-TV, West Beltime, Madison, Wis.

 UIGA, ENDFL (A'51-SM'56), Chief Engr., Ballantine
 Labs., Inc., Fanny Rd., Boonton, N.J.

 UJIFUSA, ROBERT L. (A'50-M'55), Tech. Engr.,
 IBM, San Jose, Calif.

 ULBRICHT, GUNTHER (M'58), Inst. Fur Flugfunk,
 Herrshingerstr., Oberpfaffenhofen, Germany.

 ULE, LOUIS A. (SM'58), Staff Engr., Hoffman Labs. Div.,
 3717 S. Crand Ave., Los Angeles 7, Calif.

 ULEMAN, TURRELL (M'46-SM'55), Dir., Mkt. Research, Pittsburgh Plate Glass Co., 1 Gateway Center,
 Pittsburgh 22, Pa.

- ULFERS, HORST E. (M'59), Electronics Engr., U.S. Army Signal Research & Development Lab., Ft. Mon-mouth, N.J.
- ULFSPARRE, LARS O. (A'54), Project Engr., IBM,
- Poughkeesie, N.Y.

 ULISSE, THEODORE J. (A'54), Field Engr., Philoc
 Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

 ULLAH, IRFAN (S'50-M'5B), Research Engr., Radio Pakistan, 71 Garden Rd., Karachi, Pakistan.

 ULLMAN, HENRY L. (A'5B), Instr., Co. 'A', USASESA, Ft. Gordon, Ga.
- Ft. Gordon, Ga.

 ULLMAN, HERBERT A. (S'50-A'52-M'5B), Sr. Engr.,
 Computer Advanced Development Dept., Sylvania Elec.
 Prods., Inc., Waltham, Masch
 ULLMAN, PETER J. (M'57), Project Engr., Philco Corp.,
 3875 Fablan Way, Palo Alto, Calif.
 ULLRICH, DONALD P. (A'52), Electronics Engr., Propellex
 Chemical Corp., Box 187, Edwardsville, III.

- Chemical Corp., Box 187, Lowardsville, III.
 ULLRICH, EDWARD H. (M'26-F'39), Standard Telephones
 & Cables, Ltd., Connaught House, 63, Aldwych, London,
 W.C. 2, England.
 ULLRICH, WILLIAM J. (A'53), Sr. Project Engr.,
 Nortronics Div., Northrop Aircraft Co., 500 E. Orangethorpe, Anaheim, Calif.

- unorpe, Ananeim, Catif.
 ULM, ERNEST H. (M'46), Genl. Sales Mgr., Sylvania,
 Semiconductor Div., Woburn, Mass.
 ULMAN, LYNN J. (S'41-A'43-M'56), Sect. Mgr.,
 Electronics Div., Westinghouse Elec. Corp., 1405
 Parker Rd., Baltimore 27, Md.
- ULMAN, WAYNE H. (S'50-A'51-M'56), Project Engr., Monarch Machine Tool Co., 615 N. Oak Ave., Sidney, Ohio.
- ULMER, HAROLD W. (A'44-SM'55), Mgr., Electron Tube Div., Hughes Aircraft Co., Los Angeles 45, Calif.
- Calif.

 ULMER, JAMES G. (A'56), Patent Atty., Baker, Botts,
 Andrews & Shepherd, 1600 Esperson Bildg., Houston 2, Tex.

 ULMER, ROBERT M. (S'48-A'49-M'55), Project Engr.,
 Thompson-Ramo-Wooldridge, Inc., 7209 Platt Ave.,
 Cleveland 3, Ohio.

- Cleveland 3, Ohio.

 ULREY, DAYTON (A'28-M'40-SM'43-F'50), Retired,
 324 Suwanee Ave., Ballentine Manor, Sarasota, Fla.

 ULRICH, DUANE A. (M'58), Facility Engr.-in-Chg., Hughes
 Aircraft Co., Culver City, Calif.

 ULRICH, E. C. WILLIAM (A'45), Operations Technician,
 WOR, 1440 Broadway, New York 18, N.Y.

 ULRICH, JAMES F. (A'38-VA'39-M'55-SM'56),
 Chief Engr., Tenna M'9, Co., 75BO Garfield Elvd.,
 Cleveland 25, Ohio.
- Cleveland 25, Ohio.
 ULRICH, ROBERT J. (S'56-M'5B), Asst. Elec. Engr., Richfield Oil Corp., Box 7B7, Wilmington, Calif.
 ULRICH, VINTON K. (M'49-SM'5O), Mgr., Applications Engrg., Receiving Tube Div., Raytheon Mfg. Co., 465
 Centre St., Quincy, Mass.
- Centre St., Quincy, Mass.
 ULRICH, WERNER (S'51-A'53-M'5B), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N. J.
 ULRICK, WILLIAM J. (S'57-M'59), Assoc. Engr., Applied
 Physics Lab., The Johns Hopkins Univ., Silver Spring,
 Md.
- ULRYCH, MILOS (A'5B), Praha 11, Konevova 176,
- UZSTAD, MEREDITH S. (S'49-M'56), Design Engr., Collins Radio Co., Cedar Rapids, Iowa. ULZURRUN, EDUARDO T. (A'59), 1405 Coronel Diaz, Buenos Aires, Argentina.

- ULZURRUN, EDUARDO T. (A'59), 1405 Coronel Diaz, Buenos Aires, Argentina.

 UMBACH, ELDRED A. (A'56), Teacher, Calgary School Board, Calgary, Alta., Canada.

 UMBACH, LOUIS A., JR. (S'46-A'47-M'55), Chief Engr., Photogenic Machine Co., 21 Olive St., Youngstown 1, Ohio. UMBEL, FORREST K. (A'54), Electronics Physicist, Pittsburgh Plate Glass Co., Creighton, Pa.

 UMLAUF, EDWARD W. (M'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.

 UMLAUF, EDWARD W. (M'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.

 UMLAUF, EDWARD W. (M'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.

 UMLAUF, EDWARD W. (M'54), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.

 UMLAUF, EDWARD W. (M'54), Mem. Tech. Staff, Hughes Aircraft Co., Sherwood Lane, Caldwell, N.J.

 UMPERBERGER, GEORGE M. (A'49-M'55), Asst. Mgr., Systems Engr., Lab., Kearfott Co., Inc., 14B44 Oxnard St., Van Nuys, Calif.

 UNDERBERGER, GEORGE M. (A'49-M'55), Asst. Mgr., Systems Engr., Lab., Kearfott Co., Inc., 14B44 Oxnard St., Van Nuys, Calif.

 UNDERBERINK, GEORGE P. (S'156-M'57), Electronics Engr.,
- St., van muys, Calif.
 UNDERBRINK, GEORGE P. (S'56-M'57), Electronics Engr.,
 Temco Alrcaft Corp., Box 6191, Dallas 2, Tex.
 UNDERHILL, BRADFORD B. (SM'53), Mgr., Advanced
 Dev., Missile Electronics & Controls Dept., Burlington,
 Mass.
- UNDERHILL, EARL M. (SM'54), Chief Magnet Engr., Crucible Steel Co. of America, Spaulding Works, Harrison, N.J.
- N.J.
 UNDERHILL, GEORGE H. (M'50), Deputy Chief Engr.,
 Central Hudson Gas & Electric Corp., South Rd.,
 Poughkeepsie, N.Y.
 UNDERHILL, JOHN T. (A'54-SM'57), Asst. Chief Engr.,
 Cubic Corp., 5575 Kearny Villa Rd., San Diego 11, Calif.
 UNDERWOOD, BERDETT P. (A'58), Field Engr., Emerson
 Radio & Phonograph Corp., 1140 East-West Hwy., Silver
 Spring, Md.
- UNDERWOOD, JACK F. (S'46-A'49-M'52-SM'57), Mgr., Weapons Systems Support Engrg., Airborne Systems Dept. RCA, Camden, N.J.

- RCA, Canden, N.J.

 UNDERWOOD, JOHN J. (S'57-A'58), Engr., Raytheon Mfg. Co., Rock O'Dundee Rd., South Dartmouth, Mass.

 UNDERWOOD, M. DEAN (A'54), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 UNDERWOOD, ORVILLE J. (SM'5B), Staff Engr., Minneapolis Honeywell Regulator Co., Inc., 13350 U. S. Hwy. 19, St. Petersburg, Fla.

 UNDERWOOD, RICHARD W. (A'55-M'5B), Chief Test Supw., Melpar, Inc., 3000 Arlinaton Blvd., Falls Church, Va.

 UNDERWOOD, STUART W. (A'56), Engrg. Dir., Osage Broadcasting Co., KDKD, Hwy. 13, Clinton, Mo.

 UNDERWOOD, THOMAS W. (S'57-A'58), Electronics Engrg. Technician, Chalco Engrg., 15126 S. Broadway, Gardena, Calif.
- UNDERWOOD, WILLIAM H. (A'52-M'5B), Sr. Engr., The Pacific Telephone & Telegraph Co., 620 'C' St., San Diego 1, Calif

- UNDERWOOD, WILLIE B. (A'53-M'5B), Chief Engr., Internati. Electronics Engrg., Inc., 206 Airport Bivd., South San Francisco, Calif.

- UNGER, DEAN M. (A'53-M'59), Mgr., Device Engrg., Sylvania Elec. Prods., Inc., Woburn, Mass. UNGER, ELWYN J. (S'52-M'56), Jr., Engr., Union Switch & Signal Co., Braddock Ave., Swiss Vale, Pa.
- UNGER, ERICH (M'58), Schmansengasse 15, Nurenberg,
- UNGER, ERWIN E. (M'50), Chg. of Quality Control, Wells-Gardner & Co., 2701 N. Kildare Ave., Chicago 39, III. UNGER, GILBERT G. (S'53-A'55-M'5B), Assoc. Engr., IBM, Poughkeepsie, N.Y.
- UNGER, HANS-GEORG (M'56-SM'5B), Mem. Tech. Staff, Bell Tel. Labs., Box 107, Redbank, N.J. UNGER, IZAAK L. (S'53-M'56), Sr. Project Engr., Topp Industries, 10200 Aviation Blvd., Los Angeles, Calif.
- UNGER, JOHN W. (S'42-A'44-M'55), Asst. Medical Dir., Equitable Life Assurance Society of U.S. 393 7 Ave., New York 1, N.Y.
- UNGER, JULIAN H. (M'54-SM'58), Engr., Texas Instru-ments, Inc., 3609 Buffalo Speedway, Houston 6, Tex. UNGER, JURGEN H. W. (A'53-M'56), Scientist, U. S. Army, Ballistic Missile Agency, Redstone Arsenal, Ala.
- Amy, Ballistic Missile Agency, Redstone Arsenal, Ala.
 UNGER, RICHARD J. (A'4B), Engrg. Services Dept. Head,
 Gulton Industries, Inc., 212 Durham Rd., Metuchen, N. J.
 UNGER, ROBERT McC. (SM¹⁵9), Sr. Engr., Raytheon
 Mfg. Co., Wallham 54, Mass.
 UNGER, STEPHEN H. (S'49-M'57), Mem. Tech. Staff,
 Bell Tel, Labs., Whippany, N. J.
- UNGER, WILLIAM H. (M'52), 188 Highwood Ave.,
- I enaily, N.J.

 UNGER, WILLIAM J. (S'50-A'52-M'56), Electronics
 Engr., Cornell Aeronautical Lab., Inc., 4455 Genesee St.,
 Buffalo 21, N.Y.

 UNGERLEIDER, BENJAMIN R. (A'57), Prod. Planning Engr.,
 GE Missile & Ordnance Systems Dept., 319B Chestnut St.,
 Philadelphia 4, Pa.

- rolladelphia 4, Pa.
 UNGLAUB, ROBERT K. (M'59), 103 Canoe Brook Pkwy.,
 Summit, N.J.
 UNGSTRUP, EIGIL E. Research Engr., Danish Natl.
 Comm. of URSI, Oster Voldgade 10G2, Copenhagen,
 Denmark.
- UNGVARSKY, WILLIAM J. (S'58-M'59), Engr., Ford Instrument Co., 30-10 Thomson Ave., Long Island City 1, N.Y.

- N.Y.
 UNGVARY, ROBERT L. (S'43-A'45-M'50), Sr. Engr.,
 Raytheon Mfg. Co., Bedford, Mass.
 UNICK, JEROME I. (M'56), Engr., Motorola, Inc., 4501
 Augusta Blud., Chicago, III.
 UNITIS, EDWARD R. (S'56-A'56), Electronic & Mech.
 Systems Repairman, 5th Army Hars., Ft. Sheridan, III.
 UNKENHOL Z, WILLARD C. (M'57), Branch Chief, Dept. of
 Defense, Washington 25, D.C.
- UNOLD, RODNEY W. (M'55-SM'59), Project Supvr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.
- N.T.
 JNOTORO, TOMOYURK (S'54-M'57), Research Engr., Elec.
 Communication Lab., Nippon Telegraph & Telephone Public
 Corp., Musashinoshi, Tokyo, Japan.

- Corp., Musashinoshi, Tokyo, Japan.
 UNROE, JOHN L. (A'54), Sr. Project Engr., Admiral Corp.,
 3800 W. Cortland, Chicago 47, III.
 UNRUH, GEORGE E. (M'56), Sr. Engr., Cornell Design Co.,
 East Rutherford, N.J.
 UNRUH. SAM W. (A'52). 1085 W. 6 St.. Colbv. Kan.
 UNSWORTH, ROBERT G. (A'42-M'57), Electronics Service
 Engr., Sherman, Clay & Co., 334 Brannan St., San
 Francisco 7, Callf.
- Prancisco 7, call.
 UNTERBERGER, ROBERT R. (M'53), Research Assoc.,
 California Research Corp., Box 446, La Habra, Calif.
 UNZ, HILLEL (S'53-M'57), Assoc. Prof., Elec. Engrg.
 Debt., Univ. of Kansas, Lawrence, Kan.
 UPADHYAYA, SURENDRA P. (M'59), Engr., Semiconductor
 Div., Coffman Electronics Corp., 930 Pitner Ave., Evanston, Ill.

- DIV., Goffman Electronics Corp., 930 Pitner Ave., Evanston, III.

 UPCHURCH, LATTIE M., JR. (M'55), Dean, Capitol
 Radio Engrg. Institute, 3224 16 St., N.W., Washington 10, D.C.

 UPDIKE, OTIS L., JR. (S'42-A'46-M'55), Assoc.
 Prof., School of Engrg., Research Dir., Engrg. Experiment Sta., Univ. of Virginia, Charlottesville, Va.

 UPHAM, FRANK T. (S'48-A'56), Elec. Engr., Univ. of California Radiation Lab., Berkeley 4, Calif.

 UPHAM, STUART W. (S'41-A'42-M'46), Research Projects Engr., GE Co., 319B Chestnut St., Philadelphia, Pa.

 UPHAMP, USLAFA, Wisp., Electronics Officer, 6920th
 Security Wing, USAF, APO 73, San Francisco, Calif.

 UPHOFF, FELTON C. (S'49-A'53-M'5B), Sr., Engr., Stavid
 Engrg., Inc., U.S. Hwy. 22, Plainfield, N.J.

 UPHOFF, RANK B. (A'5B), Electronic Scientist, Naval
 Air Development Center, Johnsville, Pa.

 UPHOFF, ROBERT D. (A'53-M'5B), Engr., American
 Bosch Arma Corp., Roosevelt Field, Garden City, L.I.,
 N.Y.

 UPHOFF, RUSSEL L. (A'4B-SM'54), Supvr., Instrumenta-

- N.Y.

 N.Y.

 UPHOFF, RUSSEL L. (A'4B-SM'54), Supvr., Instrumentation Sect., Jones & Lauphlin Steel Corp., Graham Research Lab., 900 Angew Rd., Pittsburgh 2/, Pa.

 UPSHAW, VERT (S'43-A'45-M'52-SM'56), Engr., Westinghouse Elec. Corp., Elmira, N.Y.

 UPSON, U. L. (M'5B), Endr., GC Co.. Richland. Wash.

 UPTON, CHARLES R. (M'5B), Electronics Design Engr., Crouse Hinds Instrument Co., 2311 Perkins Pl., Silver Spring, Md.

 UPTON, DEJ BRRT K. (A'56), Service Supur, Capadian.
- Spring, Md.
 UPTON, DELBERT K. (A'56), Service Supvr., Canadian
 Westinghouse Elec. Corp., Ltd., Calgary, Alta., Canada.
 UPTON, E. CHARLES, JR. (S'4B-A'50-M'56), TV
 Engr., CBS, WBBM-TV, 630 McClurg Court, Chicago,
 III.
- UPTON, FREDERICK R., JR. (A'5B), Airways & Military Operations Specialist, Avionics Studies Branch, U.S. Army Electronic Proving Ground, Ft. Huachuca, Ariz. UPTON, JOSEPH W.JR. (S'56-M'59), Instr., USN, USN Nuclear Power School, Vallejo, Calif.

- UPTON, LE ROY (A'43), 527 Grand Ave., c/o Fox Theater, St. Louis 3, Mo.

 UR, HANOCH (S'55-M'5B), Instr., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.

 URA, FRANK (S'55-M'57), Elec. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 URA, KATSUMI (M'5B), Research Asst., Faculty of Engr., Osaka Univ., Higashinoda, Osaka, Japan.

 URADNICEK, ROBERT K. (S'57-M'59), Jr. Engr., AC Spark Plug Div., Milwaukee, Wis.

 URANCA, EMIL (A'57), Instr., Tampa Tech. Institute, Knight Airport, D.I., Tampa, Fla.

 URBACH, KENNETH (S'42-A'46-SM'51), Project Mgr., Radar Dept., Santa Barbara Lab., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

 URBACH, ADDLEN (A'5B), Engr., Ballantine Labs.,
- URBAN, ADOLPH (A'5B), Engr., Ballantine Labs., Inc., Boonton, N.J. URBAN, CHARLES (A'51-M'56), Administrative Engr., Mgr., Simmonds Aerocessories, Inc., Tarrytown, N.Y.
- URBAN, HARRY E. (S'5B-M'59), Design Engr., IBM, Owego, N.Y. URBAN, LEONARD R. (A'52), Asst. Engr., Burroughs Corp., Plymouth, Mich.
- URBAN, RICHARD A. (S'57-M'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash.
 URBAN, STEPHEN J. (S'5B-M'59), Engr., Philco Corp., 4700 Wissahickon Awe., Philadelphia 44, Pa.
 URBAN, WALTER D. (A'51-M'56), Electronic Scientist, Natl. Bureau of Standards, Washington 25, D.C.
- URBANETTI, JOSEPH J. (A'56), Chief Pilot Plant Engr., Raytheon Mfg. Co., Newton 5B, Mass.
 URBANIK, JOHN G. (A'49-M'55), Chief, Guidance Dev., Republic Aviation Corp., Farmingdale, L.I., N.Y.
 URBANSKI, EDM'JND T. (S'54-M'56), Assoc. Engr., The Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- URBANSKI, LOUIS J. (A'54), M/Sgt., USAF, Radar Maintenance Technician, Hgrs. Sgdn. Sect., Wright Air Development Center, Box 51, Wright-Patterson AFB,

- Ohio.

 URE, CARY R. (S'5B-A'59), Tech. Asst., ITT Labs.,
 San Fernando, Calif..

 UREN, DONALD E. (S'39-A'41-M'5B), Mgr., Airborne
 Equipment Design & Dev. Engrg., Missile Guidance
 Sect., GE Co., Utica, N.Y.

 URETSKY, CARL L. (S'56-M'5B), Design Engr.,
 Benrus Watch Co., 50 W. 44 St., New York 36, N.Y.

 URETSKY, CARL L. (S'56-M'5B), Asst. Engr., Armour Research
 Foundation, 3440 S. State St., Chicago, III.

 UREVITH, STEPHEN J. (A'55), Treas. & Sales Mgr.,
 Quad Electronics, Inc., 555 Union Ave., Brooklyn
 11, N.Y.

 UREY, GEORGE M. (A'45-M'55), V.P., Meletron Corp.
- IT, N.Y.
 UREY, GEORGE M. (A'45-M'55), V.P., Meletron Corp., 950 Highland Ave., Hollywood, Calif.
 URIE, HURSCHELL G. (S'54-A'55), Instr., Weber College, Ogden, Utah.
 URKOWITZ, HARRY (S'48-A'49-SM'54), Sr. Research Specialist, Research Div., Philico Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- URLING, HERBERT R. (M'55), Sr. Electronics Engr., Fairchild Guided Missiles Div., Straight Path, Wyan-danch, L.I., N.Y.
- danch, L.I., N.Y.

 URLOVIC, WILLIAM C. (S'40-A'41), Mem. Tech. Staff, Ramo-Wooldridge, Div., 5500 W. El Segundo Bivd., Los Angeles 45, Calif.

 URMAN, BENNY S. (A'4B-M'53), Sr. Design Engr., Sunstrand Turbo Div., 10445 Glenoaks Blvd., Pacoima, Calif.

 URRICO, FRANCIS X. (M'59), Section Head, Equipment Dev., Semiconductor Div., Sylvania Elec. Prods., Inc., Woburn, Miss.
- URRUTIA, RAFAEL C. (\$'56-A'58), Ave. Uno 131 San Pedro De Los Pinos, Mexico 1B, D. F., Mexico.
- URRY, LAWRENCE W. (S'5B-M'59), Engr., Sperry Utah Engrg. Lab., 322 N. 2100, W., Salt Lake City, Utah. URSANO, ANTONIO (M'57), Project Engr., Radio Engrg. Prods., 1080 University St., Montreal P.Q.,
- URSCH, RALPH R. (M'56), Design Engr., Raytheon Mfg. Co., Waltham, Mass.
 URSIN, BJARNE E. (M'58), Project Engr., Raytheon Missile Systems Div., Shawsheen, Andover, Mass.
 URY, GEORGE A., JR. (A'56), Personnel Mgr., Tech. Rep. Div., Madigan Corp., 526 Mineola Ave., Carle Place, L.I., N.Y.
- URYNIAK, ADOLPH J. (A'57), Electronic Scientist, U.S. Air Force Research & Development, Griffiss AFB, N.Y.
- USES, ELWIN P. (M'5B), Design Engr., GE Co., 40 Federal St., Lynn, Mass.
 USHER, ROY (A'44-M'55), Engrg. Asst., Radio Systems Engrg., Alberta Govt. Telephones, Box 2411, Edmonton, Alta., Canada.
- USHER, THERON, JR. (S'51-M'5B), Asst. Prof., Yale
- USIM, WILLIAM (M*56), Electronics Research Engr., Lock-heed Missile Systems Div., 3251 Hanover St., Palo Alto, Calif.

- Calif.

 USKAVITCH, CLARENCE W. (A'52-M'55), Staff Mem.,
 MIT, Lincoln Lab., Lexington 73, Mass.

 USLAN, SEYMOUR D. (M'49), Pres., Verlan Books,
 Inc., 67 W. 44 St., New York 36, N.Y.

 USLIN, LOUIS T. (S'55-M'56), Design & Dev. Engr.,
 RCA, Camden, N.J.

 USSERY, PAUL W. (A'48-M'55), Mem. Tech. Staff, Bell
 Tel. Labs., 463 West St., New York 14, N.Y.

 USSERY, WILLIAM, JR. (S'48-A'50-M'54), Mgr., Radio
 Relay, RCA. Camden 2, N.J.

 USZKAY, ERNEST S. (S'57-M'59), 17 Garden St.,
 Brockville, Ont., Canada.

 UTLAUT, WILLIAM F. (SM'55), Electronics Engr., Central
 Radio Propagation Lab., Natl. Bureau of Standards, Boulder,
 Colo.

 UTMAN, RICHARD F. (M450), Acc., D. C. 2017.
- UTMAN, RICHARD E. (M'59), Asst. Prod. Planning Mgr., Burroughs Electrodata Div., 460 Sierra Madre Villa, Pasadena, Call UTT, ORVAL L. (S'50-A'52-M'58), Sr. Engr., Union Switch & Signal, Pittsburgh, Pa.

- UTTAL, JOSEPH A. (M'54), Mgr., Specialty Sales, GE Co., 570 LexIngton Ave., New York 22, N.Y.
 UTTENDORFER, ERNEST A. (M'47-SM'55), Dept. Mgr., Microwave & Missile Guidance Dent., W.L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.
 UTTER, DEVIN H. (S'56-M'5B), Computer Engr., Lockheed Missile Systems Div., Palo, Alto, Calif.
 UTTER, ROSS A. (A'43), Chief Engr., WEFM, ZenIth Radio Corp., 135 S. LaSalle St., Chicago 3, III.
 UTTERBACK, WILLIAM J. (M'52), Supwr., Philoc Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 UTING, GEORGE R. (M'55), Pres., Tech Measurement Corp., 441 Washington Ave., North Haven, Conn.
 UYEDA, MASON (A'50-M'55), Sr. Electronics Engr., Hallicrafters Co., 4401 W. 5 Ave., Chicago 25, III.
 UYEDA, YONEICHI (M'53), Mgr., Production Finishing Engra., RCA, New Holland Pike, Lancaster, Pa.

- Engrg., RCA, New Holland Pike, Lancaster, Pa, UYEHARA, MASAO (S'56-M'59), Electronics Engr., Convair, 3302 Pacific Hwy., San Diego, Calif.
 UYETANI, BOB (M'57), Mem. Tech. Staff, Hughes Aircraft, Inc., Culver City, Calif.
 UZEL, FRANK, JR. (A'46-M'55), Production Test Design Engr., Martin Co., Orlando, Fia.
- UZGOREN, FIKRI (S'48-A'51), Asst. Prof., Tech., Univ. Of Istanbul, I. Teknik, Universitesi, Elektrik Fakultesi, Beyoglu-Istanbul, Turkey.
- Istanbul, Turkey.

 UZMANN, J. GEORGE (A'25-M'26-SM'43), Engr., ComellDubliter Elec. Corp., South Plainfield, N. J.

 UZUNOGLU, VASIL (M'57), Dev. Engr., Bell Tel. Labs.,

 Murray Hill, N. J.

 UZZO, ANTHONY, JR. (A'50-M'5B), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.

- VACCA, LOUIS N. (S'46-A'49-M'55), Mgr., Alrborne Computer Lab., IBM, Owego, N.Y. VACCA, RALPH H. (A'42-SM'53), Staff Mem., Lincoln Lab., MiT, Lexington 73, Mass.

- Lab., MIT, Lexington 73, Mass.

 VACCARO, ARTHUR C. (A 53-M 58), Sr. Design Engr.,
 Warwick Mig., 7300 N. Lehiph, Niles, III
 VACCARO, FRANK E. (S'47-A'49-M'55), Engrg. Leader,
 Mem. Tech. Staff, RGA, Princeton, N. J.
 VACCARO, JOSEPH (A'52), Electronic Scientist, Rome
 Air Development Center, Griffiss AFE, N. Y.
 VACCARO, PHILIP (A'52-M'57), Sect. Head, Raytheon
 Mig. Co., Maynard, Mass.
 VACHEROT, MAURICE G., ('59), Mem. Tech. Staff, RCA,
 2720 E. Broadway, Tucson, Ariz.
 VACHON, ROBERT J. (S'54-M'59), Elec. Design Engr. 'B'
 Chrysler Corp., Missile Div., Detroit, Mich.
 VACKAR, JIRI F. (M'58), 238-15 Jenecska, Dolni Liboc,
 Prague, Czechoslovakia.
- VADASZ, ANDREW J. (SM'54), Future Systems Engr., GE Co., Syracuse 7, N.Y. VADER, ROBERT L. (SM'57), Mgr., Prod. Dev., Lock-heed Missile & Space Div., 3251 Hanover St., Sunnyvale, Calif.
- VADERSEN, CHARLES W. (M'47), Manager, Special Data Processing Systems, 1TT Labs., Nutley 10, N.J. VADUS, JOSEPH R. (M'57-SM'57), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. VAFIADES, BASIL C. (A'53-M'5B), Sr. Engr., Microwave Associates, Inc., Northwest Industrial Park, Burlington, Mass.

- Mass.

 VAFIADES, WILLIAM J. (S'51-A'54), Engr., Sperry Gyroscope Co., Syosset, L.I., N.Y.

 VAGGE, ALVIN A. (S'56-M'59), Elec. Engr., Sylvania Elec. Prods., Inc., 189 B St., Needham 94, Mass.

 VAGO, JORGE P. (M'57), Elec. Engr., Raytheon Mfg. Co., Newton 5B, Mass.

 VAGT, HENRY T., JR. (S'49-A'50-M'54), Electronics Engr., Genl. Precision Lab., Pleasantville, N.Y.

 VAHER, EO (S'54-M'56), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 VAHLE, JULIUS (M'56), Project Engr., GF Co., Syracus
- VAHLE, JULIUS (M'56), Project Engr., GE Co., Syracuse,
- N.Y.

 VAHRENKAMP, ROBERT H., JR. (S'56-M'5B), Assoc.
 Engr., Boeing Airplane Co., Box 3707, Seattle 24, Wash.

 VAICIUNAS, ALVINAS A. (S'56-M'5B), Research Engr., No.
 Amer. Aviation, Internatl. Airport., Los Angeles 45, Calif.

 VAIDA, STEPHEN J. (M'59), Engrg. Program Trainee,
 GE Co., Pittsfield, Mass.

 VAIL, CHARLES R. (SM'57), Prof. & Chmn., Dept. of
 Elec. Engrg., Duke Univ., Durham, N.C.

 VAIL, ROBERT W. (S'49-A'52-M'57), Sr. Research Engr.,
 Autometics Div., No. Amer. Aviation, Downey, Calif.

 VAIL, WILLIAM A. (S'56-M'57), Mem. Tech. Staff, Hughes
 Aircraft, Fullerton, Calif.

- Armament Research & Development Establishment, Valcartier, P.Q., Canada.
- VAISHAMPAYAN, RAMCHANDRA K. (S'52-A'53-M'56), Project Engr., Sperti Faraday, Inc., 730 Grand St., Hoboken, N.J.
- VAKSVIK, ADRIAN J. (S'39-A'41-M'55), Exec. Engr., Chicago Telephone Supply Corp., W. Beardsley Ave., Elkhart, Ind.
- VALACH, CHARLES F. (M'50), Mgr., Advance Prod. Engrg., Amphenol-Borg Electronics Corp., Broadview, III.
- Ampienoi-Borg Electronics Corp., Broadview, III.
 VALADEZ, FREDERICK D. (M'57), Programmer, Arlington
 Hall Sta., Arlington 12, Va.,
 VALCIK, LOUIS (A'54), Elec. Engr., Armour Research
 Foundation, Technology Center, Chicago 16, III.
 VALDE, GLENN E. (S'55-M'56), Radio Supvr., Compania
 Dominicana De Telefonos, C. Por A., Apartado 577,
 Ciudad Trujillo, Dominican Republic.
- VALDER, FREDERICK L. (M'50), Tech. Sales Mgr., Pye, Ltd., 9 Upper Berkeley St., London, W. 1. England. VALDES, LEOPOLDO B. (A'46-M'52-SM'56), Dir., Research & Lev., Rhem SemIconductor Corp., 327 Moffett Blvd., Mountain View, Calif.
- Moltett Blvd., Mountain View, Calif.

 VALLARINO, A.R. (\$'43-A'44-M'55), Dir., Engro., "p"
 Precision Technology Dent., Librascope, Inc., 66 S. "p"
 St., Livermore, Calif.

 VALENTA, MILTON F. (\$'48-A'49-M'55-SM'57), Supvy.
 Engr., Westinghouse Elec. Corn., Box 746, Baltimore 3, Md.
 VALENTE, JOHN G. (\$'55-M'56), Design Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.
 VALENTINE, DONALD T. (A'57), Sales Engrg., Raytheon
 Mfg. Co., 5236 Santa Monica Blvd., Los Angeles 29, Calif.

- VALENTINE, EDWARD O. (M'55-SM'5B), Electronics Scientist, Comm. & Nav. Lab., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- Center, Wright-Patterson AFB, Unio.
 VALENTINE, ELLICOTT (A'55), Microwave System
 Maint., Missile Test Range, Southern Bell Tel. & Tel.
 Co., 21B Factory St., Cocoa, Fla.
 VALENTINE, FORREST C. (A'51-M'56), Pres., Forrest
 C. Valentine, Inc., Ft. Wayne Bank Bldg., Ft. Wayne
 2, Ind.
- Z, Ind.

 VALENTINE, LE ROY F. (\$'54-M'56), Mem., RCA, Airborne Systems Lab., Waltham, Mass.

 VALENTINE, REGINALD H. (\$'52-A'53-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., 3BO1 W. Artesia, Fullerton, Calif.
- VALENTINUZZI, MAXIMO E. (S'54-M'57), Engr., Transradio Internacional, S.A., San Martin 379, Buenos Aires, Argentina.
- Buenos Aires, Argentina.

 VALENTY, G. EVERETTE (M'59), Engrg. Supvr., Remington Rand Univac, St. Paul, Minn.

 VALENZUELA, GASPAR R. (S'54-M'56), Engr., Applled Physics Lab., The John Hopkins Univ., Silver Sprling, Md.

 VALERIOTE, PACIFICO T. (A'58), V. P., Valeriote Electronics, Ltd., 80x #356, Guelph, Ont., Canada.

 VALERY, NOBERT A. (S'51-A'53), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 VALESKY, CHESTER S. (M'59), 2904 Longshort Ave., Philadelphia 49, Pa.

 VALETER HAROLD C. (M'56), Forr. Doubles Aircraft Co.

- Philadelphia 49, Pa.
 VALETTE, HAROLD C. (M'56), Engr., Douglas Aircraft Corp.,
 3000 Ocean Park Blvd., Santa Monica, Calif.
 VALGE, JURI (S'52-A'53), Test Supvr., Loral Electronics, 825 Bronx, River Rd., New York, N.Y.
 VALIHORA, STEPHAN M. (S'56-A'57), Electronics Engr.,
 U.S. Naval Ordnance Plant, 7500 W. Roosevelt Rd.,
 Forest Park, III.
 VALIQUETTE, DONLEY J. (S'56-M'5B), Engr., Bendix
 Aviation Corp., North Hollywood, Calif.
 VALKENBURG, ELLIOTT P. (M'57), Principal Engr.,
 Microwave, Emerson Research Labs., 701 Lamont St.,
 N.W., Washington, D.C.
 VALL ANDREWE (S'49-A'50-M'55), Asst. Mor.,

- VALL, ANDREW E. (S'49-A'50-M'55), Asst. Mgr., Systems Engrg. Dept., Hughes Aircraft Co., Culver City, Calif.
- City, Calif.

 VALLA DARES, JOSE A. (S'44-A'44-M'56), Tech. Advisor, Ministerio de Communicaciones, Havana, Cuba.
 VALLANDIGHAM, WILLIAM W. (S'50-A'52-M'58), Cmdr., USN, U.S. Naval War College, Newport, R.1.
 VALLAR, THOMAS F. (S'54-M'56), Engr., Electronic Specialty Co., 5121 San Fernando Rd., Los Angeles 39, Calif.
- VALENTA, MILTON F. (\$'48-A'49-M'55-SM'57), Supvy. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
- VALLARINO, A. R. (S'43-A'44-M'55), Dir., Engrg. Dev., Precision Technology, Inc., 66 S. "Pr St., Livermore, Calif.
- VALLARINO, ARMANDO (S'43-A'44-M'55), Genl. Mgr., Corporacion de Radio de Chile, S.A., Casilla 1407, Santiago, Chile, S.A.
- tiago, Chile, S.A.

 VALLE, LOUIS J. (A'59), Pres., Natl. Tel-Tronics Corp., 52 St. Casimir Ave., Yonkers, N.Y.

 VALLELY, DONALD P. (M'5B), Aeronautical Research Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala.

 VALLES, BENJAMIN V. (M'57), Project Engr., Litton Industries, 763 Industrial Rd., San Carlos, Calif.

 VALLESE, LUCIO M. (SM'4B), Assoc. Prof., Elec. Engr., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.

- N.Y.

 VALLETTE, CHARLES N. (M'56), Consultant, 1026 Claire
 Ave., Huntingdon Valley, Pa.

 VALLEY, GEORGE E., JR. (SM'55), Prof., Physics, MIT,
 Cambridge, Mass.

 VALLEY, ROBERT A. (M'57), Project Engr., Soundscriber
 Corp., 6 Middletown Ave., North Haven. Conn.

 VALLIANT, JAMES G. (M'53), Prof., Electronics Engrg.,
 Pacific States Univ., 1516 S. Western Ave., Los Angeles,
 Calif.
- Calif.

 VALLIERE, EOWARD G. (A'54), Project Engr., Technitrol Engrs. Co., 1952 E. Allegheny Ave., Philadelphia 34, Pa.

 VALLILLEE, BRUCE D. (A'59), Sales Mgr., Internatl. Resistance Co., Ltd., 349 Carlaw Ave., Toronto, Ont., Canada.

 VALLIN, JOSEPH M. (M'58), Electronics Instrumentation Specialist, Diamond Ordnance Fuze Labs., Washington 25, D.C.

- D.C.
 VALLUZZI, ARTHUR J. (M'58), Project Engr., RCA Service
 Co., Patrick AF8, Fla.
 VALO, HENRY L. (A'56), Tech. Liaison Supvr., Remington
 Rand Univac, St. Paul 16, Minn.
 VALPEY, RICHARD S., JR. (A'54), Research Engr., Instrumentation Lab., MIT, Cambridge, Mass.
 VALVERDE, JOSE F. (S'54-M'56), Lt. Col., Brazilian Army,
 Rua Alberto de Campos 111, Toanema, Rio de Janeiro, Brazil.
 VAMBUTAS, EDMUNDAS (S'55-M'58), Engr., Airborne
 Instrument Lab., Mineola, L. I., N.Y.
 VANA, CALVIN J. (S'50-A'51-M'56), Chief Test Equipment
 Engr., Firez Instrument Div., Bendix Aviation Corp., Baltimore
 4, Md.
- VANACKERE, MERLE G. (S'48-A'50-M'5B), Project Engr., Packard-Bell Electronics, 1905 Armacost Ave., Los Angeles, Calif.
- VANACORE, THOMAS (A'28-VA'39-M'55), Design Sect. Head, Sylvania Elec. Prods., Inc., 700 Efficott St., Batavia, N.Y.
- Batavia, N.Y.

 VAN AKEN, HARRISON, JR. (A'54), Genl. Mgr., Communication Prods. Dept., GE Co., Lynchburg, Va.

 VAN ALLEN, JAMES A. (SM'59), Head, Physics Dept.,

 State Univ. of Iowa, lowa City, Iowa.

 VAN ALLEN, LELAND N. (M'57), Project Engr., La Roe instruments, Inc., 1709B E. Montgomery Ave., Rockville, Md.
- VIIIe, Md.

 VAN ALLER, HANS H., JR. (M'54), Electronics Engr., Brookley AFB, Mobile, Ala.

 VAN ALLER, WILLEM H. (M'58), Jr. Dev. Engr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.

 VAN ALSTYNE, ALVA 8. (A'44-M'46), WTMJ-TV Transmitter Supvr., Milwaukee Journal, 333 W. State St., Milwaukee 1, Wis.

 VANAMAN, FRANK P. (A'56), Project Engr., Television Utilities Corp., 112-33 Colonial Ave., Corona 6B, L.I., N.Y.

 VAN AMBROOV DETER M. (A'56), Project Engr., Television Utilities Corp., 122-33 Colonial Ave., Corona 6B, L.I., N.Y.
- VAN ANROOY, PETER H. (M'57), Advanced Dev. Engr., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.

- VAN ANTWERP, MAX C. (A'26-VA'39), Transmission Man., AT&T Co., Rte. 1, Pecatonica, III.

 VAN ARSDELL, JOHN C., JR. (M'50), Mgr., Application Engrg., Erie Resistor Corp., 644 W. 12 St., Erie, Pa.

 VAN ASSELT, ROBERT L. (SM'58), Engr., Prod. Dev., RCA, Electron Tube Div., Lancaster, Pa.

 VAN ATTA, LESTER C. (M'42-SM'43-F'52), Dir., Tech. Information & Education, Hughes Aircraft Co., Culver City, Calif.
- Calif.

 VAN BASSELAERE, LEONARD J. (A'52-M'57), Sr. Engr., Philoo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa. VAN BEMMELEN, HENRIM. (S'50-A'51-M'56), Lt. js. USNAS, Cuonset Point. R.I.

 VAN BENTHEM, JAMES (M'58), 523 Park Plaza, Charlottes-wille, Va.
- VAN BERKEL, PETER L. M. (M'57), Chief Engr., Group Leader, Dr., Neherlabs. Neth. Postal & Telecommunications Services, St. Paulusstraat 4, Liedschendam, Holland. VAN BERKUM, PETRUS A. (M'58), Research Engr., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago, Ill. VAN BEUREN, JOHN M. (A'44), Pres Quan-Tech. Labs., 236 Mt. Kemble Ave., Morristown, N.J. VAN BILLIARD, LOWELL A. (S'58-A'58), Electronics Engr., Link Aviation, Inc., Binghamton, N.Y. VAN BLADEL, JEAN G. (M'54-SM'56), Assoc. Prof., Elec. Engr., Univ. of Wisconsin, Madison 6, Wis. VAN BOSSE, JOHN G. (A'55), Mem. Tech. Staff, Genl. Telephone Labs., Box 17, North Lake, Ill. VAN BRINT, FRANK (M'58), L1103, Dewey Rd., Kensington, VAN BRINT, FRANK (M'58), L1103, Dewey Rd., Kensington,

- VAN BRUNT, FRANK (M'5B), 11103, Dewey Rd., Kensington,
- VAN DRUNI, FRANK (M'DD, 11103, Dewey RC., Reisington, Md.

 VAN BRUNT, LEROY B. (S'49-A'51-M'56), Project Engr., Labs., ITT, Nutley 10, N.J.

 VAN BUSKIRK, ROGER C. (A'53-M'5B), Principal Elec. Engr., Battelle Memorial Institute, 505 King Ave., Columbus 1, Ohio. VAN BUSKIRK, WILLIAM J. (A'57), Fr. Engrg., Aide, Coodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio. VAN CAMPEN, F. MARSHALL (SM'58), V.P. & Chief Engr., Ailen Electric & Equipment Co., 2101-17 N. Pitcher St., Kalamazoo, Mich.

 VAN CASTER, JAMES C. (A'52-M'57), Sr. Electronics Engr., Convair-Astronautics, San Oiego, Calif.

 VANCE, ADDIS G. (S'56-M'57), RFD. Toddville. lowa.

 VANCE, DDNALD H. (A'36-VA'39-M'55), Engr., RCA, Camden, N.J.

 VANCE, EDWARD F. (M'57), Instr., Elec. Engrg., Univer-

- VANCE, DDNALD H. (A'36-VA'39-M'55), Engr., RCA, Camden, N.J.

 VANCE, EDWARD F. (M'57), Instr., Elec. Engrg., University of Denver, University Park, Denver, Colo.

 VANCE, GLENN (A'57), Pres., Magnetic Shield Div., Perfection Mica Co., 1322 N. Elston, Chicago 22, III.

 VANCE, HARDLD C. (A'30-SM'43), Mgr., Sales Engrg., Distributor Prods., RCA Electron Tube Div., Harrison, N.J.

 VANCE, PHILIP R. (A'53), D.D. L. Staff, Lincoln Lab., MIT, Lexington, Mass.

 VANCE, ROBERT L. (SM'46), Mfg. Information Engr., Bell Tel. Labs. Inc., c/o Western Electric Co., 3300 Lexington Rd., Winston-Salem, N.C.

 VANCE, VOBERT T. (S'56-M'58), Engr., Developmental Engrg. Corp., Washington, D.C., & Leesburg, Va.

 VANCE, VINCENT G. (A'54-M'56), Mgr., Instrument Standards Lab., BM, Owego, N.Y.

 VANCE, WILBUR H., JR, (M'47), Chief, Special Systems Lab., Air Force Cambridge Research Center, Hanscom Field, Mass.

 VANCL, BOB 1. (M'56), Engr., Geophysical Integrators,

- com Field, Mass.

 VANCIL, BOB 1. (M'56), Engr., Geophysical Integrators, 910 W. 14 St., San Angelo, Tex.

 VAN COLLIE, HARRY A. (A'54), Designer-Engr., Remington Rand, Wilson Ave., South Norwalk, Conn.

 VAN COTT., JOHN M. (A'50-M'55), Field Engr., Western Electric Co., U.S. Naval Facility, Pacific Beach, Wash.
- Wash.

 VANCURA, RALPH A. (S'56-M'58), Assoc. Engr.,
 Remington Rand Univac, South Norwalk, Conn.
 VAN CUREN, VERLYN (M'56), Research Engr., RCA,
 11819 W. Olympic Blvd., Los Angeles 64, Calif.
 VANDAK, ROBERT F. (S'57-M'59), Field Engr., Western
 Electric Co., Winston-Salem, N.C.
- Electric Co., Winston-Salem, N.C.

 VANDAL, WILLIAM L., JR. (A'46-M'59), Group Leader, Environmental TestIng Lab., No. Amer. Aviation, Autonetics Div., Downey, Calif.

 VAN DAVELAAR, FREDERIK S. (A'51-SM'59), Sr. Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.

 VANDEGRIFT, PETER (S'48-A'50-M'55), Chief Dev. Planning, Advanced Design Sect., Boeing Airplane Co., Wichita, Kan.

- VAN DEN BERG, WILLIAM J., JR. (\$'54-A'55), Control Systems Design Engr., GE Co., Clincinnati 15,
- VAN DEN BIGGELAAR, HANS (M'57), Teaching Asst., Elec. Engrg, Dept., MIT, 77 Massachusetts Ave., Cambridge 39, Mass.
- VANDENBURGH, ARTHUR A. (A'47), Electronics Mgr., Butler Aviation, La Guardia Airport, Flushing 71, L.1., N.Y.

- N.Y.

 VAN DEN ENDE, HENDRIK (S'56-M'5B), Electronics Engr., Henry Ford Hospital, Neurology Div., 2799 W. Grand Blvd., Detroit 2, Mich.

 VANDEN MEERSCHE, A. J. (A'31-VA'39), St. Pieters, Aalstraat 20, Ghent, Belgium.

 VANDERBEEK, HERBERT B. (S'54-M'56), Engr., Kaar Engrg. Corp., 2995 Middlefield Rd., Palo Alto, Calif.

 VANDERBILT, STANTON (A'41), Supvg. Sales, Carrier & Toll Transmission Equipment Microwave & Single Side band Systems, Western Electric Co., 233 Broadway, New York 7, N.Y.
- New York 7 N.Y.

 VANDERBILT, VERN C., JR. (SM'59), Chief, Perfect
 Circle Corp., Hagerstown, Ind.

 VAN DER BOKKE, LOUIS (M'57), Head, Methods &
 Planning Dept. Otis Elevator Co., 35 Ryerson St.,
 Brooklyn S, N.Y. VANDERBURGH, ALEXANDER, JR. (\$'49-A'50-M'55), Staff Mcm., MIT, Lincoln Lab., Lexington 73, Macc.

- VAN DERCREEK, LAURENCE M. (S'57-M'59), 44 Keswick Lane, Plainview, L.I., N.Y.
 VANDERFORD, WILLIAM H. (A'59), Electronics Research Technician, Radioplane Co., BOOO Woodley Ave., Van Nuys, Calif.
- VANDER HAMM, ROLAND L. (A'52-M'57), Group Head, Reliability Engre. Dept., Collins Radio Co., Cedar Rapids, Jowa.
- Cedar Rapids, Iowa.

 VANDERHOEK, EDUWARD F. (A'56), Mor., Westrex Co., Caribbean, 11 Edward St., Port of Spain, Trinl-dad, B.W.I.

 VAN DE RIET, EDWIN K. (S'52-A'53-M'59), Research Engr., Stanford Research Institute, Mento Park, Calif.

 VANDER KOOI, LAMBERT R. (M'59), Engr., Bendix Aviatino Corp., Ann Arbor, Mich.

 VANDERLAAN HENRY J. (M'56), Fngr., GE Co., Syracuse, N.Y.

- N.Y.

 VAN DER LANS, JOHN H. M. (S'58-M'59), Staff Mem., Scientific & Tech. Services, CERN, European Organization for Nuclear Research, Geneva 23, Switzerland.

 VAN DER LEE, ABRAHAM C. (M'53), Consulting Engr., 707 M. Lima, Buenos Aires, Argentina.

 VANDERLIPP, RALPH R. (M'56), Principal Engr., Bendix Radio Div., Towson 4, Md. van der MAAS, GERARD J. (A'55), Assoc. Prof., Kansas State College, Manhattan, Kan.

 VAN DER POL, BALTHASAR (M'25-F'29) (L), Retired, 10 Zydeweg, Wassenaar, Netherlands.

 VANDERPOOL, CHARLES L. (A'57), 5964 Burgundy Rd., Dallas 30, Tex.

 VANDERPOOL, HARLES L. (A'57). B. Electronics
- VANDERPOOL, HAROLD D. (A'51-M'5B), Electronics Engr., Weapons Guidance Lab., Wright-Patterson AFB, Ohio.
- Ohio.

 VANDERPOOL, RICHARD F. (S'57-M'5B), Electronics
 Designer, IBM, Owego, N.Y.
 VANDERSTAAY, THEODORE F., JR. (S'55-A'56), Owner,
 Electro Lab., 806 S. 4 St., Leavenworth, Kans.
 VANDER VEEN, GEORGE, JR. (S'57-A'5B), Elec. Engr.,
 Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2,
 Mich.
- VAN DER VEEN, HERRE (A'3B-VA'39), Production Mgr., Cordochemical Corp., 34 Smith St., Norwalk, Conn.

- Mgr., Cordochemical Corp., 34 Smith St., Norwalk, Conn.
 VAN DERVEER, ERNEST J. (S'53-M'57), Design Engr., RCA, Semiconductor Div., Somerville, N.J. VANDER VEER, JOHN H. (M'58), Sales Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 VANDER VELDE, WALLACE E. (M'57), Asst. Prof., Aeronautical Engrg., MIT, Cambridge 39, Mass.
 VANDERVELDEN, CORNELIUS G. (M'57), Systems Designer, Computing Devices, Bells Corners, Ottawa 3, Ont., Canada.
 VANDERVOORT, QUENTIN D. (M'55), Engr., Eastman Kodak Co., 343 State St., Rochester, N.Y.
 VAN DER WAL, ELMER A. (A'56-M'58), Publications Engr., Collins Radio Co., Cedar Rapids, Iowa.
 VANDERWOOK, WALTER W., JR. (M'57), Contracts Mgr., D.S. Kennedy & Co., 155 King St., Cohasset, Mass. vander ZIEL, ALDERT (SM'49-F-56), Prof., Elec. Engrg. Dept., Univ. of Minnesota, Minneapolis 17, Minn. VAN DE STADT, WILLEM (M'57), Applications Engr., Transitron Electronic Corp., 168-182 Albion St., Wakefield, Mass.

- Wakefield, Mass.

 VAN DEUSEN, GEORGE L. (A'22-SM'46-F'58), Consultant, 304 Fair Haven Rd., Fair Haven, N.J.

 VAN DEUSEN, ROBERT B. (S'56-M'5B), Engr., Airbome Instrument Lab., Mineola, L.I., N.Y.

 VANDEVEN, DONALD W. (S'48-A'50-M'56), Sr. Field Service Rep., GE Co., Syracuse, N.Y.

 VAN OEVENTER, ALBERT J. (S'57-M'59), 3250 Portage Bay Pl., Seattle, Wash.

 VAN DEVENTER, JOHN A. (S'54-M'57), Electronics Engr., Marquardt Aircraft Co., 2709 N. Garey St., Pomona, Calif.

 VANDEWINGER J. ACHIEL W. (MASS).
- VANDEWINCKEL, ACHIEL W. (M'58), Asst. Mfg. Engr., IBM, Poughkeepsie, N.Y.
 VANDICRIFF, JOHN E. (S'55-M'5B), Mem. Engrg. Staff, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9,

- Tex.

 VAN OINE, GILBERT A. (S'56-M'56), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N. J.

 VANDIVEER, PAUL R. (A'52-M'57), Sr. Engr., Control &
 Communications Div., Salt River Project, Box 1980,
 Phoenix, Ariz.

 VANDIVEER, EDGAR F., JR. (A'54), Partner, Vandivere &
 Cohen, 1420 New York Ave., N.W., Washinoton 5. D. C.

 VANDLING, GILBERT C. (S'56-M'5B), Mem. Honors Program, GE Co., Liverpool, N.Y.

 VANDOCH, STANLEY C. (A'51), Sr. Engr., Crosley Div.,
 Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

 VAN DOEREN, CHARLES A. (A'29-VA'39-M'55), Dept. Head,
 Tech. Publications Organization, Radio Div. of Western Electric
 Co., Chatham Rd., Winston-Salem, N.C.

 VAN DODORE, JOHN R. (S'55-M'57), Service Engr., Douglas
- Co., Chatham Rd., Winston-Salem, N.C.
 VAN DOORNE, JOHN R. (S'55-M'57), Service Engr., Douglas
 Aircraft Co., El Segundo, Calif.
 VAN DUSEN, HENRY J. (S'49-A'50-M'55), Sales Engr.,
 Precision Spring Corp., 15400 Woodrow Wilson St., Detroit 35, Mich.

- Precision Spring Corp., 15400 Woodrow Wilson St., Detroit 35, Mich.

 VAN DUREN, HENDRIK C. A. (SM'58), Dir., Dr. Neher Lab., Postal Telegraph & Telefones, B3 Storm van's Gravesandeweg, Wassenaar, Holland.

 VAN DURNE, DIRK M. (M'56), Chief Sound Engr., Film Laboratory of Netherlands War Dept., The Hague, Netherlands.

 VAN DUYNE, JOHN P. (S'43-A'44-M'55), Engra. Mgr., Boonton Radio Corp., Intervale Rd., Boonton, N.J.

 VAN DUZER, KENNETH W., JR. (S'49-A'51-M'56), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. VAN DUZER, VICTOR E. (S'57-M'58), 575 S. Rengstorff Ave., Mountain View, Gallif.

 VAN DYCK, ARTHUR F. (IRE Charter Mem.) (A'12-M'1B-F'25)(L), Retired, 516 Bougainvillea Lane, Vero Beach, Fla. VAN DYCK, EUGENE A. (A'51-M'56), Administrator, Data Processing Systems, Internall, Standard Electric Co., 67 Brad St., New York 4, N.Y.

 VAN DYK, TEUNIS (A'39-M'55), V.P., Mfg. Operations, Philips Electronics Industries, Ltd., 116 Vanderhoof Ave., Toronto 17, Ont., Canada.

 VAN DYKE, CLARENCE H. (S'58-M'59), Design Engr., Lockheed Aircraft Service, NAFEC Base, Pleasantville, N.J.

 VAN DYKE, KARL S. (A'15-M'26-SM'43-F'44)(L), Prof., Physics, Wesleyan Univ., Scott Lab., Middletown, Conn.

VAN DYKE, WILLIAM D. (SM'55), Chief Instrumentation Sect., Douglas Aircraft Co., El Segundo, Calif. VANE, ARTHUR B. (\$'42-A'43-M'49), Mgr., Systems Dept., Radiation Div., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

Alto, Calif.

VAN EGMDND, ALBERT J.L. (M'59), Head, Tech. Depts., R.C. Univ., Kapittelweg 36, Nymegen, Netherlands.

VAN EGMDND, JOHN (A'59), Asst. Electronics Engr., ITT Industrial Prod. Div., San Fernando, Calif.

VANEK, LAWRENCE J. (A'28-VA'39-M'55), Prod. Engr., Daven Co., 530 W. Mt. Pleasant Ave., Livingston, N. J.

VAN EMDEN, BERNARD M. (S'57-M'57), Engr., Radioplane Div., Northrop Aviation, 800 O Woodley, Van Nuys, Calif. VAN ESTS, JAMES C. (S'52-A'53-M'58), Electronics Engr., U.S. Govt., Lockheed Aircraft, Sunnyvale, Calif. VAN ESTEN, PAUL (A'58), Radar System Engrg., GE Co., Utica, N.Y.

Utica, N.Y.

Utica, N.Y.

VAN EVERY, ALVIN (S'48-A'50-M'55), Tech. Advisor, Hgrs. ARDC, USAF, Andrews AFB, Md.

VAN EVERY, BLISS (A'46-M'58), Engrg. Specialist, Sylvania Elec. Prods, Inc., 1100 Webrie Dr., Williamsville 21, N.Y.

VANG, JOSEPH P. (S'50-A'51), Applications Engr., Stromberg-Carlson Co., 1400 N. Goodman St. Rochester 9. N.Y.

VAN GAVREE, RICHARD L. (A'56), Engrg. Mgr., Reeves-Hoffman Div., 145 Cherry St., Carlisle, P.a.

VAN GEEN, JDHN (M'58), Research Engr., Zenith Radio Corp., 60D1 Dickens Ave., Chicago 39, Ill.

VAN GELDER, HANS (S'56-M'58), Engr., Westinghouse Elec. Corp., Pittsburgh, Pa.

VAN GEDER, RICHARD B. (S'56-M'58), 507 Sound Ave., Spokane 4, Wash.

VAN GOCH, WILLEM D. (M'53), Exec. Dir., Electronic Developments (Pty), Ltd., African City Bidg., 100 Eloff St., Johannesburg, South Africa.

VAN GORDER, MATTHEW (S'58-M'59), 5608 Panther Dr., Colonia Verde, El Paso, Tex.

VAN GROOS, JOHN C. (A'40-SM'50), Cwner, Van Groos Co., 21051. Costanso, Woodland Hills, Calif.

VAN GUNDY, CLARENCE G. (A'36-VA'39), Bendix Aviation Corp., 9500 Troost, Kansas City. Mo.

VAN HAAREN, RUDOLPH H.C. (A'46-M'55-SM'57), Dir., Govt. Radio & Telegraph Administration, Box 103, Curacao, Netherlands, Antilles.

VAN HASSELT, MARC (SM'50), Čhlef Systems Engr., Stan-

Netherlands, Antilles.

VAN HASSELT, MARC (SM'50), Chief Systems Engr., Standard Telephones & Cables, Ltd., Connaught House, 63 Aldwych, London, W.C. 2, England.

VAN HASTE, WILBUR 0M'46-SM'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

VAN HOESEN, RICHARD W. (A'54), Chief, Field's Recordings Branch, U.S. Naval Ordnance Lab., White Oak, Silver Spring 19, Md.

VAN HODK, ROBERT D. (S'57-M'58), Engr., Sylvania Elec. Prods., Inc., Mountain View, Callf. VAN HOOZER, CARL H. (M'56), Aerophysics Engr., Convair, Ft. Worth, Tex.

VANHORN, HAROLD E. (S'56-A'57), Electronics Technician, Wilson-Wylie Co., Inc., 3301 Fairfax Rd., Kansas City 15,

VAN HORN, JAMES E. (A'44-M'46), Supvy. Engr., Crosley Div., Avco Mgr. Corp., 1329 Arlington St., Cincinnati 25, Ohio.

VAN HORN, JAMES W. (A'51-M'57), Maj., USAF, Hqrs. A.R.D.C., Andrews AFB, Md. VAN HORN, JOHN F. (M'56), Assoc. Engr., IBM, Airborne Computor Labs., Owego, N.Y.

van nukn, Juhn F. (M'56), Assoc. Engr., IBM, Airborne Computor Labs., Owego, N.Y.

Van HORN, JOHN H. (A'44-M'47-SM'51), Sr. Project Engr., Webster Electric Co., 1900 Clark St., Racine, Wis.

VAN HORN, JOSEPH C. (A'15-M'26-SM'43)(L), Pres., Treas., Philadelphia Wireless Tech. Institute, 1533 Pine St., Philadelphia Vireless Tech. Institute, 1533 Pine St., Philadelphia Z., Pa.

VAN HORN, ROBERT H. (SM'59), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York, N.Y.

VAN HORNE, THOMAS B. (S'51-A'52-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif. VAN HOUTEN, ROBERT IM'55), Chief Engr. Pres., Genl. Meters, Inc., 424 S. 7 St., Grand Junction, Colo. VAN IDERSTINE, G. ALLEN (S'42-A'45-SM'54), Sr. Engr., Stavid Engrg., Inc., U.S. Hwy. 22, Plainfield, N.J.

VAN IDERSTINE, THEODORE J. (S'56-A'577), Range Sta. Electronics Technician "A", RCA Service Co., Cocoa Beach, Fla.

FIa.

VAN JEPMOND, HOWARD K. (A'33), Electronic Engrg., Warwick Mfg., 7300 N. Lehigh St., Niles, III.

VAN KEULEN, ADRIAN J. (M'58), Elec. Engr., Cinch Mfg.
Corp., 1026 S. Homan Ave., Chicago 24, III.

VAN KEUREN, EDGAR (M'56), Design Engr., RCA, Camden,
N. I.

VANKO, JOSEPH A. (A'54), Sales Engr., Ray-O-Vac Co.,

WAN LEEUWEN, ANDREW (M'58), Instrumentation Engr., Canadair, Ltd., Blvd. Laurentien, St. Laurent, P. Q... Canada.

Canada,
VAN LEUNEN, PAUL, JR. (A'55), Capt., USN, Head, Combat Direction Systems Branch, Office of the Chief of Naval Operations, Navy Dept., Washington, D. C.
VAN LIDTH de JEUGE, CORNELIS P. (M'58), Design Engr., RCA Communications, Inc., 66 Broad St., New York 4,

VAN LIESHOUT, L. J. A. (M'41-SM'43), Tech. Commercial Dir., Phillips S.E. T. . 167 Duranoo, Mexico City 7, Mexico VAN LOON, RODNEY M. (S'48-A'50), Educational Spe-cialist, USAF, Keesler AFB, Biloxi, Miss.

VAN LUNEN, RICHARO D. (M'56), Sr. Elec. Engr., Minnea-polis-Honeywell Regulator Co., Inc., 10721 Hanna St., Beltsville, Md.

VAN MANEN, SIDERIUS, (M'59), Electronics Engr., Canadair, Ltd., Montreal, P. Q., Canada.
VAN MARLE, JAN C, (M'52), Sr. Design Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.

VAN MESSEL, JACOB (M'58), 3225 Ridgewood 1D7, Mon-treal, P. Q., Canada

VAN METER, DAVID (S'42-A'44-M'50-SM'55), Lab., Supvr., Melpar Research Dept., 43 Leon St., Boston,

Mass.
VAN METER, EDWARO E. (S'56-A'57), Engrg. Writer,
Convair-Astronautics, San Dilego, Calif.
VAN METER, JAMES L. (S'48-A'50-M'55), Supry. Engr.,
Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.

VANN, I. M., JR. (S'40-A'42-M'51), Electronics Officer, Staff CDMSERVLANT, Bldg. 142, Naval Base, Norfolk 11, Va.

VANN, WILLIAM L. (S'50-A'51-M'56), Sr. Engr., The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

Md.
VAN NAME, FREDERICK W., JR. (SM'54), Chmm., Dept.
of Physics, Univ. of Delaware, Newark, Del.
VAN NAME, JOSEPH M. (S'48-A'50-M'55), Sr. Engr. In
Chg. of Transmission, Transmission & Distribution Dept.,
Philadelphia Electric Co., Chemical Rd. & Ridge Pike,

Plymouth Meeting, Pa.

VAN NAUTA LEMKE, HANS R. (M'55), Chief Engr., Electronic Lab., Van Der Heem N. V., Maanweg 256, The Hague, The Netherlands.

The Netherlands.

VAN NESS, BRADFDRD O. (S'54-M'56), Sr. Elec. Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

VAN NESS, HUBERT W. (SM'59), Electronics Engr., Univ. of California Radiation Lab., Box 808, Livermore, Calif.

VAN NESS, JAMES E. (S'52-A'53-SM'57), Assoc. Prof., Elec. Engr., Northwestern Univ., Evanston, Ill.

VAN NICE, ROBERT I. (S'46-A'49-M'55), Engr., Westinghouse Elec. Corp., Box 10596, Pittsburgh 35, Pa.

VAN NOSTRAND, PAUL B. (A'55-M'58), Engr., Martin Co., Orlando, Fla.

Co., Orlando, Fla. VAN OORT, GERALD W. (A'55), Radio, TV Engr., Woo Broadcasting Co., Inc., 12D S. College, Grand Rapids

MICH.
VAN DRMER, DAVID D. (A'51-M'56), Mgr., Color Kinescope
Design Lab., RCA, Lancaster, Pa
VAN OSDOL, ROBERT L. (A'36-M'55), Owner & Chlef
Technician, Van Dsdol Radio & Television, 401 E. Main
St., Morrison, III.

VANOUS, JOSEPH A. (SM'57), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa. VANOUS, PAUL J. (M'58), Engr., Systems Analyst, Ben-dix Aviation Corp., 11600 Sherman Way, North Hollywood,

VAN OVER, W. EDWARD (M'59), Assoc, Engr., Boeing Airplane Co., Seattle, Wash. VAN DVERBEEK, ADRIANUS, J. W. M. (SM'56), Engr., Sect, Head, Philips Research Labs., Eindhoven, Nether-lands.

VAN PATTEN, RICHARD A. (M'59), Circuit Dev. Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass VAN PATTEN, WILLIAM D. (S'49-A'50-SM'58), Mem. Tech. Staff, Space Technology Labs., Inc., Box 45564, Airport Sta., Los Angeles 45, Calif

Airport Sta., Los Angeles 45, Calif.

VAN POPPELEN, F., JOSEPH (A. '577), Mgr., Sales, Motorola, Inc., 5005 E. McDowell Rd., Phoenix, Ariz.

VAN RENNES, ALBERT B. (S. '42-4'48-M'50-SM'56), Supvr., Nuclear Technology Group, Bendix Aviation Corp., Ressarch Lab., Box 5115, Detroit 35, Mich.

VAN RENSSELAER, CORTLANDT (M'50-SM'53), Sales Mgr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

VAN RIJN, J. CONSTANT (A'41-SM'46), Chief Engr., Ro-tron Mfg. Co., Woodstock, N. Y.

VAN ROY, JACQUES (M'58), Ave., Gilisquet 119, Bruxelles 3, Belgium.

VAN SANDWYK, JOHANNES (M'57), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y

9, N. Y.

VANSANT, FRANKLIN T. (A '36-VA '39-M'55), Electronics
Engr., RCA, Patrick AFB, Fla.

VAN SAVAGE, JOHN F. (S '48-A '50-M'55), Engr., ITT
Labs., Nutley 10, N. J.

VAN SCHOOR, JOHN (A '57), Sr. Buyer, Airborne Instrument
Lab., Melleville, L. I., N. Y.

VAN SCOYOC, JAMES N. (A '48-SM'50), Engrg. Advisor,
Armour Research Foundation, Technology Center, Chicago
16, III.

16, III.

VAN SICKLE, GEORGE, JR. (A'43), Field Service Engr., Collins Radio Co., 1930 HiLline Dr., Dallas, Tex.

VAN SICKLER, EDWARD P. (A'57), Engr., Sperry Pledmont Co., Rte. 29, N. Charlottesville, Va.

VANSKYOCK, JOHN A. (S'57-M'58), Assoc, Engr., Boeing Airolane Co., Box 3707, Seattle 24, Wash,

VAN SLYCK, WILLIAM S. (SM'56), Chief Elec, Engr., Military Div., Zenith Radio Corp., 6001 W. Dickens Ave., Chicago 39, III.

VAN SPANKEREN, GERARD H. (A'39-SM'45), V. P. & Managing Dir., Cincotel S. A. (Cia Industrial y Commercial de Telecomunic.), Laprida 4851, Vicente Lopez, Buenos

Aires. Argentina

VAN STEINBURG, CLIFFORD E., (M'57), Mgr., Patent
Dext., Philips Canadian Industrial Development Co., Ltd.,
76 St., Clair Ave., W., Toronto 7, Ont., Canada.

VANT, LESSLIE M., (M'46-SM'57), Engro. Specialist, Bomac Labs., Salem Rd., Beverly, Mass
VAN TASEL, E., KENNETH (M'47-SM'53), Military Dev.
Lenor., Bell Tel. Labs., Whippany, N. J.

VAN THIEL, JAN (A'36-VA'39), Instr., in Music., Box 383,
Jackson, Calif.

Jackson, Latir,
VANT-HULL, LORIN L., (S'56-M'57), Physics Dent.,
California Institute of Technology, Pasadena, Calif.
VAN TILBURY, JACK D., (S'47-A'50-M'55-SM'57), Elec.
Engr., Collins Radio Co...Cedar Rapid s. lowa.

Engr., Collins Radio Co., Cedar Rapids, Jowa VANTINE, HARRY, JR. (SM*52), Surk., Radio Division, Naval Air Development Center, Johnsville, Pa. VAN VALKENBURG, ERNEST S. (A*53-SM*57), Head, Data Processing & Displays Debt., Bendix Systems Oiv., Bendix Aviation Corp., Ann Arbor, Mich.

VAN VALKENBURG, HOWARD E. (A'53-M'59), Sr Consulting Research Engr., Sperry Prods., Inc., D

OUTY, CONN.

VAN VALKENBURG, HOWARD M. (A'58), Tech. Engr.,
GE CO., Clncinnati 15, Ohio.

VAN VALKENBURG, M. E. (S'43-A'45-SM'53), Prof.,
Elec. Engra., Univ. of Illinois, Urbana, Ill.

VAN VALKENBURG, WILBERT P. (A'58), Engr. 'D',
Canadair Service, Ltd., Boeing Airplane Co., Seattle,
Wash.

VAN VALKENSURCH, RICHARD P. (A'52), 160 Cabrini Blvd., New York 33, N.Y.

VAN VALKENBURGH, ROBERT A. (M'55), Consultant, R. A. Van Valkenburgh, 6813 Williamsburgh Blvd., Arlington, Va.

VAN VECHTEN, RICHARD K. (A'47), Project Engr.,
ITT Labs., Nutley 10, N.J.
VAN VEEN, FREDERICK T. (M'57), Tech. Editor, General
Radio Co., 275 Massachusetts Ave., Cambridge 39, Mass.
VAN VELZER, VINCENT C. (S'50-A'51-M'57), Mem.
Tech. Staff, Ramo-Wooldridge Corp., Canopa Park, Calif.
VAN VESSEM, JAN C. (SM'58), 362 Groesbeekse Weg,
Nilmeen. Holland.

VAN VESSEM, JAN C. (SM'58), 362 Groesbeekse Weg, Nijmegen, Holland. VAN VLIET, W. GEORGE (A'57), Pres., Union Atomic, Inc., 1253 Matlanuck Ave., Windsor, Conn. VAN VLIET, WILLIAM H. (A'56), Engrg. Rep., Internati. Electronic Engrg., Inc., 12902 Footbill Blvd., San Fernando, Calif.

VAN VDORHEES, ALEXANDER J. (S'56-M'57), Elec. Engr., Power Equipment Co., 315 Harding Way, E., Galion, Ohio.

VAN VODRHIS, S. N. (SM'46), Staff Mem., Institute for Defense Analysis, WSEG, Pentagon, Washington 25, D.C.

VAN VORHIS, JAMES L. (S'51-A'53-M'58), Project Engr., Bourns Labs., Box 2112, Riverside, Calif. VAN WAGDNER, RICHARD C. (S'58-M'59), Jr. Engr., Emerson Research Lab., 1140 East-West Hwy., Silver Spring, Md.

Spring, Md.

VAN WAMBECK, STANLEY H. (A'40-SM'46), V. P., Research & Engrg., Seismic Explorations, Inc., 1847 W.

VAN WECHEL, ROBERT J. (S'52-A'54-M'58), Research Asst., MIT, Servomechanisms Lab., Cambridge, Mass.

VAN WINCAARDEN, AORIAAN (A'54), Prof., Mathematics, Amsterdam Univ., Mathematisch Centrum, 49 2e Boerhaavestraat, amsterdam, Oost, The Netherlands.

VAN WINKLE, D. M. (SM'57), V. P. & Tech. Dir., Continental Device Corp., 12911 Cerise Ave., Hawthorne, Calif.

thome, Calif.

VAN WINKLE, DONALD (S'54-A'54), Tech. Asst., Bell Tel. Labs., Whippany, N. J.

VAN WINKLE, EDGAR W. (M'44-SM'52), Project Engr., Bendix Aviation Corp., Teterboro, N.J.

VAN WINKLE, HOWARD E. (S'50-A'52-M'56), Project Engr., IBM, Poughkeepsie, N.Y.

VANWORMHOUDT, MARC C. (S'56-M'57), Asst., Lab. of Theoretical Electricity, Univ. of Ghent, St. Pletersnieuwstraat, Chent, Belgium.

VAN WYNEN, KENNETH G. (SM'56), Mem. Tech. Staff, Supvr., Bell Tel. Labs., 463 West St., New York 14, N.Y.

VAN ZANT, ROBERT R. (A'49-M'55), Dir., Tech. Services Dept., Wilcox Electric Co., 1400 Chestnut, Kansas City, Mo.

VAN ZEELAND, FRED J. (M'47-SM'50), Dean, Engrg., Milwaukee School of Engrg., 1020 N. Broadway, Mil-waukee 1, Wis.

WAUKEE 1, WIS.

VAN ZEELAND, WILLIAM A. (M'51), Asst. DIr.,
System Analysis, Chicago Midway Labs., Univ. of
Chicago, 6220 S. Drexel, Chicago 37, Ill.

VAN ZUUK, DEAN A. (S'55-M'56), Dev. Engr.,
Dymec, Inc., 395 Page MIII Rd., Paio Alto, Calif.
VARADY, DONALD J. (S'58-M'59), 521 Houston Ave.,
Cleveland 13, Ohio.

VARALD, DUNALD J. (5'58-M'59), 521 Houston A: Cleveland 13, Johno. VARAH, LES A. (A'51), Mgr., L. A. Varah, Ltd., 1451 Homby St., Vancouver 1, B.C., Canada. VARALLO, FRANCIS A. (A'51-M'56), Assoc. Dev. Engr., Burroughs Research Center, Paoli, Pa.

VARANAY, CHARLÉS J. (5'52-M'56), Elec. Engr., Servomechanisms, Inc., 125D0 Aviation Blvd., Haw-thome, Calif.

thome, Calif.

VARCOE, ROBERT F. (M'5B), Jr. Engr., Bendlx Radio Div., Towson 4, Md.

VAREKAMP, JOHN F. (M'58), Supt. of Operational Communications, KLM-Royal Dutch Airlines, Schiphol Airport, Amsterdam, Holland.

VARELA, ARTHUR A. (A'37-SM'47), V.P. & Dir., Research, Aero Geo Astro Corp., 1200 Duke St., Alexandria, Va.

VARENHORST, VERNDN D. (S'48-A'51-M'56-SM'57), Sales Mgr., Huggins Labs., Inc., 711 Hamilton Ave., Menlo Park, Calif.

VARGA, JANE A. (M'56), Engr., GE Co., Syracuse,

VARGA, JOSEPH E. (A'53-M'58), Engr., Texas Instru-ments, Inc., 13500 N. Central Expressway, Dallas,

VARGA, MICHAEL J., JR. (A'47), 20 E. Dayton Dr.,

Fairborn, Ohio.

VARGAS, ARNOLDO (A'48), Prop. "TIAV-Radio Selecta," 600 KC, Box 4666, San Jose. Costa Rica.

VARGAS, RUDDLPH, JR. (S'55-M'57), Electronics Engr., U. S. Naval Ordnance Test Sta., 3202 E. Foothill Blvd., Pasadena 8, Calif.

VARGO, ANDREW, JR. (M'57), Chmm., Standards & Curriculum Board, Fleet Sonar School, USN, Key West, Fla.

VARGO, FRANK J. (A'58), Mfg. Planning Supvr., Mel-par, Inc., 1311 S. Fern St., Arlington, Va. VARGO, MICHAEL S. (M'56), Engr., Plant Engrg. Sect., Westinghouse Atomic Power Div., Box 1526, Pittsburgh 30, Pa.

VARGO, RUDOLPH J. (S'57-A'59), Electronic Tester & Analyzer, Lear, Inc., 110 Ionia Ave., Grand Rapids, Mich.

VARHUS, HENRY H. (M'56), Deputy Chief, Engrg. Service Dept., Naval Ordnance Lab., White Oak, Silver Spring, Md.

VARIAN, RICHARD H. (S'50-A'52), Design Group Engr., Convair-Astronautics, Box 1128. San Diego 12, Calif. VARIAN, RUSSELL H. (A'40-SM'51-F'52), Chmn., Board of Directors, Varian Associates, 611 Hansen Way, Palo Alto, Calif.

Alto, Calif.

VARIANO, VIRGILIO V. (A'52-M'57), Dev. Engr., Arma Corp., Roosevelt Field, Garden City, L.I., N.Y. VARN, SAMUEL P., JR. (A'55), Engr., Tidewater Teleradio, Inc., 801 Middle St., Portsmouth, Va. VARNER, DONALD S. (S'58-M'59), Engr.-In-Training, Chrysler Missile Div., Detroit, Mich. VARNERIN, LAWRENCE J., JR. (SM'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

- VARNUM, ARTHUR M. (M'56), Mktg. Mgr., Sperry Semi-conductor Div., Great Neck, L.I., N.Y. VARNUM, JOSEPH B. (S'54-M'58), Radar Engr., Emerson Elec. Mfg. Co., B100 W. Florissant Ave., St. Louis, Mo.
- VARONE, RALPH A. (A'42-M'44-SM'50), Chief Engr., Raytheon Mrg. Co., 4132 W. Belmont Ave., Chicago, III. VARRICCHIO, ANGELO L. (M'58), Elec. Engr., Tech-nitrol Engrg. Co., 1952 E. Allegheny Ave., Philadelphia,
- Pa.

 VARRONE, EMILIO (M'57), Tech. Writer, Bulova Research
 & Development Labs., Inc., 62-10 Woodslde Ave., Woodside 77, L.I., N.Y.

 VARSON, WILLIAM P. (A'55), Sr. Staff Engr., Cubic Corp.,
 5575 Keamy Villa Rd., San Dlego 11, Calif.

 VARSON, SPYROS G. (S'55-M'56), Electronics Design
 Engr., RCA, Canden, N.J.

- Engr., RCA, Camden, N. J.

 VARTANIAN, PERRY H., JR. (S'52-M'56-SM'56), V.P.,
 Microwave Engro. Labs., Inc., 943 Industrial Ave., Palo
 Alto, Calif.

 VARTANIAN, VARTAN (S'50-A'52-M'57), Sr. Engr.,
 Raytheon Mfo. Co., Wayland, Mass.

 VARVEL, WILLIAM M. (M'57), Sr. Engr., Southwestern
 Bell Tel. Co., 823 Quincy Ave., Topeka, Kan.

 VARZA, GEORGE (A'56), Electriclan. Broadway Maintenance
 Co., Long Island City, N.Y.

 VASAKA, CONSTANTIN S. (A'51-SM'55), Supvy. Electronic Scientist, U. S. Naval Air Development Center, Johnsville, Pa.

 VASANTHARAJAN M. N. (A'55-M'56), Slonal & Telecom.
- VASANTHARAJAN, M. N. (A'55-M'56), Signal & Telecom. Engr., Western Railway (Hgrs.), Church Gate, Bombay 1, India.

- India.

 VASEN, GUSTAVE (A'57), Electronic Sales Engr., H. A. Roes & Co., 2601 Cherry St., Kansas City 8, Mo.

 VASILEFF, HENRY D. (SM'59), Engra. Specialist, Sylvania Elec. Prods., Inc., Bayside 61, L.I., N.Y.

 VASILEVSKIS, HENRY S. (A'49-M'55), Project Engr., Philoo Corp., Tioga & C Sts., Philadelphia 34, Pa.

 VASILOS, MICHAEL G. (S'50-M'56), Equipment Engra., Sect. Chief, Western Electric Co., 99 Church St., New York, N.Y.

 VASOIJES, HORACE A. (A'50-M'56), Sr. Flectronics Engra.

- York, N.Y.

 VASQUES, HORACE A. (A'50-M'56), Sr. Electronics Engr., Convair-Astronautics, San Diego, Calif.

 VASQUEZ, EMIL (A'59), Sr. Electronics Technician, Motoroia, Inc., 8201 E. McDowell Rd., Phoenix, Ariz.

 VASS, JAMES L. JR. (A'59), Instr., Maint. Branch, Ground Guidance Div., Nike Ajax Radar, Ft. Bilss, Tex.

 VASSALLO, WALTER H. (A'40), Head, Physics Dept., Univ. of Portland, Portland 3, Ore.

 VASSILAKOS, DEMETRIOS A. (S'56-M'58), 1903 N. 46, Seattle 3, Wash.

 VASSY_ETTENNE J. (A'54), Prof., Faculte des Sciences

- Seattle 3, Wash.
 VASSY, ETIENNE J. (A'54), Prof., Faculte des Sciences
 de Parls, 1 quai Branly, Parls 7, France.
 VATCHER, BERNARD A. (159), Techniclan, K.L.A. Labs.,
 inc., 7375 Woodward Ave., Detrolt, Mich.
 VAUGHAN, C. B. (A'44), C. B. Vaughan Associates, Electronic Consultants, Box 441, Union City, N.J.
- VAUGHAN, DANIEL G. (S'53-A'55), Box 174, Summit,
- VAUGHAN, DONALD O. (M'57), Consultant, Box 65, Yoko-
- nama, Japan.
 VAUGHAN, ERIC W. (A'40-M'44-SM'52), Dev. Engr., The
 Superior Electric Co., 83 Laurel St., Bristol, Conn.
 VAUGHAN, H. EARLE (SM'52), Dir., Systems Research,
 Bell Tel. Labs., Murray Hill, N.J.
- Bell Tel. Labs., Murray Hill, N.J.
 VAUGHAN, J. RODNEY M. (SM'57), Prod. Engr., Magnetron
 Tubes, GE Co., Power Tube Dept., Schenectady, N.Y.
 VAUGHAN, JACK D. (A'55), Elec. Techniclan, Electronics
 Research, Inc., 2300 N. New York, Evansville, Ind.
 VAUGHAN, JOHN A. (M'53), Engrg. Mingt. & Genl. Mngt.
 Consultant, 20 Ingraham Lane, Hempstead, L.I., N.Y.
 VAUGHAN, LUVA D. (S'56-A'58), Box 276, Independence,
 Mo.
- MO.
 VAUGHAN, ROBERT L. (A'51), Electronics Engr., Goodyear Aircraft Corp., 1210 Massilion Rd., Akron 15, Ohio.
 VAUGHAN, THOMAS J. (A'51-M'56), Radio Frequency
 Engr., I.T.E. Circuit Breaker Co., 601 E. Erle Ave.,
 Philadelphia, Pa.
- Philadeiphia, Pa.
 VAUGHAN, VANCE (A'50-M'55), Electronics Engr., Industrial Mgr., 14th Naval District, Pearl Harbor, Hawail.
 VAUGHAN, VIRGAL Z. (A'58), Genl. Sales Mgr., B & B Electronics Corp., 17600 S. Gramercy PI., Gardena, Calif.
- VAUGHAN, VIRGINIUS N., JR. (SM'54), Data & Teletypewriter Facilities Engr., AT&T Co., 195 Broadway, New York 7, N.Y.
- New YORK / , N.Y.
 VAUGHN, CLAYBRON, JR. (SM'56), Assoc. Scientist,
 Lockheed Aircraft Corp., Marietta, Ga.
 VAUGHN, DEWITT C., JR. (S'57-M'59), Elec. Engr.,
 Dept. of the Navy, U.S. Naval Avionics, Indianapolis 1B,
 Ind.
- Ind.

 VAUGHN, JACK E. (M'57), Maj., U.S. Army, ODCSOPS, SWADP, The Pentagon, Washington, D.C.

 VAUGHN, JAMES R., JR. (5'57-A'58), Contracter Technician, Page Communications Engrs., Inc., 714 14 St., N.W., Washington, D.C.

 VAUGHN, JULIAN E. (S'57-A'58), Design Engr., McDonnell Aircraft Corp., Box 516, St. Louis, Mo.
- VOIDEL AIRCRAFT COPD., MOX D.LO, St. LOUIS, MO.
 VAUGHN, KENNETH E., (M/52), Engr., Collins Radio Co.,
 Cedar Rapids, Jowa.
 VAUPEL, GEORGE E. (S'53-A'55), Dev. Engr., Wheeler
 Labs., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.
 VAUX, LAURENCE J. (M/56), Group Engr., (Acting), Post
 Master Genl.'s 2 Jolimont Ter., East Melbourne, Vic.,
 Australia.
- VAVOUDIS, SOCRATES N. (5'51-A'52-M'57), Sect. Head, Genl. Precision Lab., Inc., 63 Bedford Rd., Pleasantville,
- VAVRA , HAROLD G. (A'45-M'57), Chief Engr. & Dir., North Dakota Aeronautics Commission , State Capitol , Bismarck, N.D.
- marck, N.D.

 yavRa JOHN M. (S'48-A'52), Specifications Engr., AT&T
 Co., 55 Church St., White Plains, N.Y.

 yavRa, PAUL H. (A'47-M'55), Readout Equipment Dev.
 Sect. Head, Natl. Aeronautics & Space Administration,
 Langley Research Center, Langley Field, va.
- Langley Research Center, Langley Field, Va.
 VAWTER, VERNE E. (M'58), Staff Asst., Rohr Aircraft
 Corp., Chula Vista, Calif.
 VAYER, ROLAND M. (A'54-M'56), Magnetic Tape Processing Engr., Kirland AFB, SWWVD CI 4925th, Albuquerque, N.M.

- 417 -

- VAZQUEZ, MARIO (S'48-A'50), Scientific Investigator, Nuclear Physics Lab., Physics Institute, Natl. Univ. of Mexico, Cludad Universitaria, D.F., Mexico.

 VEA, THEODORE H. (S'50-A'53-M'59), Research Assoc., Applied Electronics Lab., Stanford Univ., Stanford, Calif.

 VEACH, CARLOS W. (SM'54), 8921 Ashcroft, Los Angeles, Calif.
- VEAL, JOHNNIE E. (M'57), Test Engr., Raytheon Mfg. Co.,
- VEAL, JUHNNIE 2. (M) 7/1 (185 Enth) 1, Most of Maynard, Mass.

 VEAL, T. GENTRY (M) 54), Asst. Div. Head, Physics Research, Eastman Kodak Co., Rochester 4, N,Y.

 VEATCH, JAMES P. (SM) 45), Mgr., RCA Frequency Bureau, RCA, 1625 K St., N.W., Washington 6, D.C.

 VEATH, MARIAN S. (A) 59), Tech. Advisor, Sylvania Electric Systems, Inc., 1100 Wehrle Dr., Buffalo 21, N,Y.

 VEATE CHAPLES F. (A) 540
- VEAZIE, CHARLES E. (A'54), Antenna Engr., Martin Co., Middle River, Md.
- Middle River, Md.

 VEAZIE, EDMUNDA. (A'31-VA'39-M'55-SM'57), Tech.
 Staff, Bell Tel. Labs., Murray Hill. N.J.

 VEBBER, WILLIAM O. (S'56-M'57), Engrg. Analyst, Allis-Chalmers Mig. Co., Milwaukee 1, Wis.

 VEBURG, JOHN C. (S'48-A'50-M'55), Chief Prod. Engr.,

 Tracerlab, Inc., 2030 Wright Ave., Richmond, Calif.
- VECCHIA, EUGENE F. (A'58), Pres. Electronic Cable Corp., 615 Somerville Ave., Revere 43. Mass. VECCHIARELLI, NICHOLAS (S'54-A'55), Design Engr., IBM, Kingston, N.Y.
- VECCHIO, EMIL A. (S'53-M'55), Sr. Engr., Wiley Electronics Co., 2045 W. Cheryl Dr., Phoenix, Ariz.
 VEDER, ALEXANDER (S'52-A'53-M'58), Jr. Electronics Design Engr., Control Instrument Co., Inc., 67 35 St., Brooklyn 32, N.Y.

- Brooklyn 32, N.Y.

 YEDY, LOUIS G. (A'30), Vicar of Downe, Teh Vicarage Downe,
 Famborough Kent, England.

 YEERKAMP, NORBERT B. (M'56), Chmn., Elec. Engrg.
 Dept., Milwaukee Stool of Engr., 1025 N. Milwaukee
 St., Milwaukee 1, Wis.
- VEERMAN, WILLIS H. (M'57), Systems Engr., Collins Radio Co., 1937 Irving, Dallas, Tex. VECA, CARLOS J. (A'54), Engr., RCA, 11819 W. Olympic Blvd., Los Angeles 19, Calif.
- Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- VENN, ROBERT E. (S'49-A'51-M'56-SM'58), Mem. Tech. Staff, Watkins-Johnson Co., 3333 Hillview Ave., Palo Alto, Calif.
- VEHRS, DONALD F. (\$157-M158), Elec. & Instrument Engr., Creole Petroleum Corp., Maturin, Estado Monagas, Venezuela.
- venezueia.
 Venezueia.
 Venezueia.
 Venezueia.
 Venezueia.
 Venezueia.
 Veit, FERDINAND (A'48-M'55), Tech. Advisor, Electronic & Atomic Research, 2608 Southard Ave., Oceanside, L.I., N.Y.
- VEIT, NORBERT J. (S'50-A'51-M'57), Sr. Engr., Bendix Aviation Corp., Research Labs. Div., Box 5115, Detroit, Mich.

- VELI, NORBERT J. (S'50-A'51-M'57), 5r. Engr., Bendix Aviation Corp., Research Labs. Div., Box 5115, Detroit, Mich.

 VEIT, QUENTIN F. (M'58), Project Elec. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 VEITH, FRANZ S. (M'46-SM'51), Mgr., Camera Oscillograph & Storage Tube Engra., RCA, Lancaster, Pa.

 VEIZADES, NICHOLAS (S'58-M'59), Electronics Dev. Engr., Link Aviation, Inc., Palo Alto, Calif.

 VEJINS, MAKSIS (S'57-A'57), Electronics Instrumentation Technician, Avro Aircraft, Ltd., Malton, Ont., Canada.

 VELASCO, BRUCE M. (S'57-M'57), Elect. Engr., Hughes Aircraft Co., Los Angeles, Calif.

 VELASCO, CFRANK C. (A'53-M'54), Elec. Engr., Gertsch Prods., 18010 Glenburn Ave., Torrance. Calif.

 VELASCO, JOSE PHW. (A'53-M'54), Flec. Engr., Gertsch Prods., 18010 Glenburn Ave., Torrance. Calif.

 VELESKY, JOHN J. (A'49-M'52), Pres., Veltron Co., 131 S. Westview Ave., Davton 3, Ohio.

 VELEY, HUGH N. (SM'53), Research Engr., Crowley Div., Aerovox Corp., 1 Central Ave., West Orange, N. J.

 VELLE, JOHN L. (A'54), Govt. Contract Administrator, Stromberg-Carlson Co., 1400 N. Goodman St. Rochester 9 N. VELITCHKO, WALTER A. (S'55-M'57), Sr. Engr., Electromech, Group, Consultants & Designers, Inc., 650 11 Ave., New York 36, N.Y.

 VELKERS, GENE D. (A'48), Sales Engr., Ordnance Dept., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 VELLENDER, GERALD C. (S'58-M'59), Tech. Asst., Armour Research Foundation, 10 W. 35 St., Chicago, Ill.

 VELLINES, WESLEYE., JR. (M'54), Chief Engr., The Chesapeake & Potomac Telephone Co. of Vinginia, 703 E. Grace St., Richmond 19, Va.

 VELLIFORT, THEODORE E., JR. (A'57), Project Engr., Shand & Jurs Co. 8th & Carleton St., Berkeley 10, Calif.

- VELLIQUETTE, HOWARD R. (A'98), 1900 Wilson Ave., Alamogordo, N.M.

 VELTFORT, THE ODORE E., JR. (A'57), Project Engr., Shand & Jurs Co, 8th & Carleton St., Berkeley 10, Calif.

 VENAGLIA E. J. (M'46-SM'58), Mgr., Microwave Electronics Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 VENATOR, TOM J. (M'56), Chief Applications Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.

 VENDELAND, ROBERT N. (S'47-A'48-M'55), Mgr. Closed Circuit TV bept., Jerrold Electronics Corp., 15 & Lehigh, Philadelphia 3, Pa.

 VENDELY BILL (Al45), Flectronics Engr., U.S., Govt., Wright
- Philadelphia 3, Pa.

 VENDELY, BILL. (A'45), Electronics Engr., U.S. Govt., Wright Air Force Development Center, Wright-Patterson AFB, Ohio.

 VENDITTI, FRED P. (M'56), Research Engr., Denver Research Institute, Denver Univ., Denver 10, Colo.

 VENEKLASEN, PAUL S. (M'49), Consultant in Acoustics, Owner & Tech. Dir., Western Electro-Acoustics Lab., 11789
 San Vicente Blvd., Los Angeles 49, Calif.

 VENEMA, HARRY J. (5'48-4'51-M'56-5M'56), Mgr., Borg Warner Research Center, Des Plaines, III.

 VENEMA, RONALD E. (S'56-A'57), Engr. & Field Rep., Blue M. Electric, 138 & Chatham, Blue Island, III.

 VENERELA, JOSEPH A. (M'58), Cant., USAF., Communi-

- VFNERELLA, JOSEPH A. (M'58), Cagt., USAF, Communications Officer, 28th Communications Sqdn., Mitchell AFB, L.I., N.Y.
- L.I., N.Y.

 VENKATRAMAN, M. P. (A'51-M'58), Instr., Wireless, All India Signal & Telecommunication School, Lallaguda, Secunderabad, India.

 VENN, BOYD A. (A'54-M'56), Methods Engr., Northern Electric Co., 1261 Shearer St., Montreal, P.Q., Canada.

 VENNE, ROBERT E. (A'58), Electronics Techniclan, Universal Sound Engrg. Co., 2443 Nicollet Ave., Minneapolis, Minn.

- VENTERS, DONALD C. (M'57), Antenna Engr., RCA, Moores-
- VENTERS, JOHN B. (S'51-A'53-M'59), Selsmic Operator, Humble Oil & Refining Co., Box 626, New Orleans, La. VENTURA, JAMES J. (S'57-M'59), Elec. Engr., IBM, Pough-keepsie, N.Y.
- keepsie, N.Y.
 VENTURA, ROBERT A. (A'59), Electronics Technician, Saunders Electronic School, 285 Huntington Ave., Boston, Mass.
 VERAA, CLAUDE F. (M'53), Mgr., Electronics Prod., Weinschel Engry. & Mg., Corp., 10503 Metropolitan Ave.,
 Kensington, Md.
- Kensington, Mo.

 VERANO, FRANK (S'51-A'53-M'58), Engrg. Staff, Motorola Research Lab., Riverside, Calif.

 VERAS, JOSEPH A. (S'57-A'58), Electronics Draftsman, McDonnell Aircraft Corp.. St. Louis. Mo.

 VERBANCE, ANDREW (A'44), 1932 Wager St., Columbus 7, Obio.
- VERBANEC, WILLIAM R. (A'47-M'55), Divisional Mgr., Tammen & Denison Inc., 4751 N. Olcott, Chicago 31, Ill. VERBARG, LAWRENCE E. (SM'58), Sr. Electronics Engr., McDonnell Aircraft Corp., Box 516, St. Louis, Mo. VERDIBELLO, AMBROSE A. (A'53), Electronics Engr., IBM, Poughkeepsie, N. Y.
- Pougnkeepsie, N. Y.

 VERDONI, LUCIANO G. (S'54-M'57), Dir, Dr. Eng.,

 Ditta G. Verdoni, Via XX Settembre 20/78, Genoa, Italy.

 VEREB, ALBERT J. (S'53-A'54), Field Engr., Dage Television Div., Thompson Prods., W. 10 St., Michigan City,

 Ind.
- Ind.
 VEREMAKIS, CONSTANTINE (A'54), Assoc, Anesthesiologist, Stamford Hospital, Stamford, Conn.
 VERCANI, ANGELO (A'55), Communication Engr., Societa EDISONVOLTA, 31, Foro Bonapare, Milano, Italy.
 VERCARA, WILLIAM C. (SM'53), Mgr., Mobile Prods.
 Dept., Bendix Radio Div., Bendix Aviation Corp., Tow-son 4, Md.

- son 4, Md.
 VERGASON, DURWARD L. (A'41-M'50-SM'57), Sr. Engr.,
 Sylvania Electronic Tubes, Inc., Emporium, Pa.
 VERGEZ, J. PAUL, JR. (S'56-M'57), Design Engr., Lotran,
 Inc., Baton Rouge, La.
 VERGIS, MINAS (A'58), Radio Tele Communications Engr.,
 Organization Telecommunications of Greece, 85 Patisla St.,
 Athens, Greece.
 VERGON, THEODORF F. (A'50-SM'55)
- VERGON, THEODORE F. (A'50-SM'55), Sect. Head, Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.

- Fia.

 VERGOZ, RONALD A. (A'58), Asst. Engr., Avion Div.,
 ACF Industries, 11 Park Pl., Paramus, N. J.

 VERHYDEN, LOUIS C. (A'56), Staff Supvr., Radio Operation & MTC, 811 Main St., Kansas City 5, Mo.

 VERKLEY, BERNARD M. (S'42-A'47-M'55), Project Engr.,
 Electronics, Crosley Div., Avco Mfg. Co., Glendale-Milford
 Rd., Cincinnati 25, Ohio.

 VERMA LIAL N. (M'873) DSD Decameh Mem. of Staff Po-

- Rd., Cincinnati 25, Ohio

 VERMA, JAI K. D. (M·57), DSR Research Mem. of Staff, Research Lab. of Electronics, MIT, 77 Massachusetts Ave., Cambridge 39, Mass

 VERMA, YASH P. (A·58), Research Engr., IBM, Yorktown Heights, N. Y.

 VERMILL, ION, EVERETTE E. (S·48–A·51–M·56), Engr., United Control Corp., 4540 Union Bay Pl., Seattle 5, Wash.

 VERNON, ARTHUR W. (S·51–A·53), Project Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

 VERNON, FRANK C. (S·55–M·57), Research Engr., Natl. Aeronautics & Space Administration, Ames Research Center, Moffett Field, Calif.

 VERNON, FRANK L., JR. (S·50–A·51–M·57), Research
- VERNON, FRANK L., JR. (S'50-A'51-M'57), Research Engr., Microwave Labs., Hughes Aircraft Co., Culver City, Calif.

- VERNON, J. A. (S'57-M'59), Aeronautical Research Engr., Army Ballistic Missile Agency, Redstone Arsenal, Ala. VERNON, REXFORD R. (S'49-A'50-M'56), Prod. Line Sales Mgr., Weston Instruments Div., Daystrom, Inc., 614 Frelinghuysen Ave., Newark 12, N. J. VERNON, STEPHEN J. (M'58), System Engr., Hughes Aircraft Co., Culver City, Calif. VERNONA, CAROL M. (A'49-SM'51), Dept., Head, Research & Dev., Sperry Electronic Tube Div., Gainesville, Fla. VERNOCEEN, AL W. (A'56), Tech. Instr., RCA Service Co., Inc., Camden 8, N. J. VERRECCHA, THOMAS A. (A'53-M'57), Electronics Engrg. Instr., Roger Williams Jr., College, 160 Broad St., Providence 3, R. I. VERSCHUUR, JOHN J. (M'53), Applications & Baldon Engr.
- VERSCHUUR, JOHN J. (M'53), Applications & Mktg. Engr., Philips Gloeilampenfabrieken, Eindhoven, Netherlands. VERSEPUT, PIERRE C. (A'47), Recording Supvr., American Broadcasting Co., 39 W. 66 St., New York, N. Y. VERSIC, CHARLES (M'56), Genl. Engr., DeSign Requirements, Wright Air Development Center, Wright-Patterson AFB, Ohio. VERSOY, IRVING R., JR. (S'45-A'50-M'55), Sr. Engr., Lab. for Electronics, Inc., 75 Pitts St., Boston, Mass. VERSTEEG, DONALD A. (S'53-A'54), Communications Man, Florida Power Corp., 101 5 St., S., St. Petersburg, Fla. VERSTER, JOHN A. (A'55), Prod. Engr., Subspire Electronics, VERSTER, JOHN A. (A'55), Prod. Engr., Subspire Electronics

- VESELOVSKY, LAWRENCE R. (S'56-M'59), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif. VESEY, JOHN B. (M'5B), Electronics Engr., Hors., U. S. Army Signal Research, Evelopment Lab., SIGFM-EI-NRM, Ft. Monmouth, N.
- VESPER, MAYNARD C. (S'57-A'58), Lab. Technician, Sangamo Elec. Co., 11 & Converse. Springfield, III. VESSER, WILLIAM C. (A'53-M'57), Research Engr., Sys-tems, Hughes Aircraft Co., Culver Cit, Calif.

- VEST, CARLOS R. (S'54-M'56), Engr., GE Co., Syracuse,

- N. Y.
 VEST, STEUART E. (M'56), Engr., Westinghouse Elec.
 Corp., Box 746, Baltimore 3, Md.
 VESTER, BENJAMIN H., JR. (SM'58), Supvy. Engr., Westinghouse Elec. Corp., Baltimore, Md.
 VETACK, JOHN E. (S'52-A'53-M'58), Sr. Engr., Philod
 Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- 59, Ohio.

 YETTER, EDWARD O. (M'58), Cenl. Mgr., Texas Instruments, Inc., Box 6027, Houston 6, Tex.

 VETTER, RICHARD F. (A'52-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 YETTER, WILLIAM F. (A'49-M'55-SM'58), Sr. Group Engr., Electronic Systems Republic Aviation Corp., Farmingdale, L.I., N.Y.

- ingdale, L.I., N.Y.

 VIADELLA, JAMES W. (S'54-A'54), Asst. Engr., Sperry Gyroscope Co., Great Nerk. I. N. V.

 VIALLET, JAMES L., JR. (S'57-M'58), Prod. Engr., IBM, Monterey & Cottle Rd., San Jose, Calif.

 VIANNA, ANTONIO C. (S'52-A'55), Lt., Cmdr., Engr., Brazilian Naval Commission, Attache, 3429 34 Pl., N.W., Washington 16, D.C.

 VICE, DAVID G. (M'57), Assoc. Mem. Scientific Staff, Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada.

 VICE., VAUDIE W. (M'56), Project Engr., Padiation, Los.
- ICE, VAUDIE W. (M'56), Project Engr., Radiation, Inc.,

- VICE, VAUDIE W. (M. 30), Project Eingr., Nadiation, 100., Melbourne, Fla.
 VICEDOMINE, DOMINICK A. (M. 58), Assoc. Engr., McDonnell Aircraft Corp., St. Louis 3, Mos.
 VICENS, ANTONIO (A. 57), Urbanizacion Altamira, Avenida 12, Quinta 'Lola-Marta,' Caracas, Venezuela.
 VICK, ALVIN J. (M. 54), Mgr., Military Communications Sales, Philoc Corp., 4700 Wissahrckon Ave., Philadelphia 44, Pa.
 VICK FIREFEK (SM. 56). Project Engr., Collins Radio

- VICTOR, HARRY W. (A'46-SM'52), Works Mgr., Emerson Radio & Phonograph Corp., 14 & Cole Sts., Jersey City, N.J.
- VICTOREEN, JOHN A. (SM'49), Owner, Colorado Victoreen Labs., 1351 Mesita Rd., Colorado Springs, Colo.
- Colo.

 VICTORINO, JOSE M. C. (A'45), Mgr., Domestic Dept., GE Co., Portuguesa, Rua do Norte 5, Lisbon, Portugal.

 VIDEBERG, JOHN I. (S'44-A'47-M'55-SM'56), Task Scientist, USAF Cambridge Research Center, Hanscom Field, Bedford, Mass.

 VIDLAK, LOUIS (A'59-M'59), Supvy. Electronics Engr., Army Electronics Proving Ground, Ft. Huachuca, Ariz.

 VIDRO, EDWARD F., JR. (S'46-A'52-M'56), Sales Lisbon, Remington Rand Univac, St. Paul 16, Minn.

 VIEBRANZ, ALFRED C. (A'48-M'55), Merchandising Mgr., Young & Rubicam, Inc., 285 Madison Ave., New York, N.Y.

- Mgr., Young & Rubicam, Inc., 285 Madison Ave., New York, N.Y.

 VIECO, B. GUILLERMO (M'58), Mgr., Electronica Communicaciones, Elco, Ltda, "Calle 54, Juanambu et 31-41, Medellin, Colombia, South America.

 VIEIRA, JAMES E. (S'57-A'57), Asst. Inspector, Billey Electric Co., Union Sta., Erie, Pa.

 VIEIRA, JOSEPH F. (A'58), TV Repairman, Rodgers Television, 1605 1st Ave., New York, N.Y.

 VIENER, ARNOLD H. (A'44-M'53), Mgr., Nuclear Instrumentation Engrg. Sect., Westinghouse Elec. Corp., 700 Braddock Ave., East Pittsburgh, Pa.

 VIERA, FRANK, N.R. (S'49-4'50), Owner, LaRoe-Viera Research, 4604 Landgreen St., Rockville, Md.

 VIERE, ARNOLD J. (S'51-A'51-M'56), Dev, Engr., RCA, 591 N. LaSaile St., Indianapolis, Ind.

 VIERLING, HARRY D. (A'55-M'57), Engrg., Writer, Westinghouse Elec. Corp., Baltimore 3, Md.

 VIETH, RICHARD V. (M'56), Electronics Engr., McDonnell Aircraft Corp., Robertson, Mo.

 VIETH, WILLIAM G. (A'44-M'52), Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

- N.Y.
 VIEWEGER, ARTHUR L. (A'39-SM'53), Asst. Dir.,
 Surveillance Dept., U.S. Army Signal Research &
 Development Lab., Ft. Mormouth, N.J.
 VEZIBICKE, PETER P. JR. (S'51-A'53), Electronics Engr.,
 National Bureau of Standards, Boulder, Colo.

 **COLORANCE (A'850) Lathurseivannen 10 Roslags.
- VIGGH, MATS E. (A'59), Ladugardsvagen 10, Roslags,
- VIGIL, ARTHUR E. (M'59), 14 Lawton Rd., Somerville,
- N.J.

 VIGLIOTTA, ANTHONY P. (SM'57), Supry. Engr., Office of Naval Research, U. S. Naval Training Device Center, Port Washington, L.I., N.Y.

 VIGNALL, JOHN J. (S'47-A'50-M'58), Electronics Scientist, Naval Research Labs., Washington 25, D.C.

 VIGNALL, JOHN J. (S'150-A'52-M'57), Engr., Sperry Gyroscope Co.. Great Neck. L.I., N.Y.

 VIGNOS, JOSEPH P. (S'49-A'50-M'55), Assoc. Engr., IBM, Endicett, N.Y.

 VIGUE, KENNETH J. (SM'59), Asst. Projects Mgr., Internati, Standard Electric Corp., 67 Broad St., New York 4, N.Y.
- VIHURI, ARNOLD L. (S'52-A'53-M'58), Sr. Engr., Sylvania Elec. Prods., Inc., 700 Ellicott, Batavia, N.Y.
- N.Y.
 VIJ, KEWAL K. (A'58), Jr. Scientific Asst., Council of Scientific & Industrial Research, New Delhi, India.
 VJAYARAGHAYAN, K. (A'46-M'51), Lecturer in Physics, Annamalai Univ., Annamalainagar, South India.
 VIK, LEONARD M. (A'59), 1231 N. Union, Kennewick,

- VIKRAM SINGH, RAJENDRA (M'58), Officer-in-Chg., Microwaye Communications Project, Natl. Physical Lab., Microwave Commu New Delhi , India .
- VILANDER, NOBLE E. (A'53-M'58), Dir. Tech. Instr., Central Tech. Institute, 1644 Wyandotte, Kansas City, Mo.
- VILAS, EDWARD T. (\$'44-A'47-M'55), Engr., Vitro Corp. of America, 14000 Georgia Ave., Silver Spring, Md.
- VILAS, JOHN M. (M'58), Instr., Duke Univ., Durham,
- VILBIG, FRIEDRICH (SM'54), Scientist, Chief of Speech Sect., Cambridge Air Force Research Center, Hanscom Field, Bedford, Mass.
- VILBIG, J. LEE, JR. (A'53-SM'56), Head, Reconnaissance Radar Sect., Texas Instruments, Inc., 6000 Lemmon Ave., Radar Sect., Dallas, Tex.
- VILCANS, JANIS (S'54-M'55), Design Engr., Canadian G.E.Co., Ltd., 830 Lansdowne Ave., Toronto, Ont., Canada.

- Canada.

 VILES, FRANK L. (A'48-M'56), TV Transmitter Supvr., Wrather-Alvarez Broadcasting, inc., 1405 5 Ave., San Diego 1, Calif.

 VILIPS, VIESTURS V. (A'57), Project Engr., Collins Radio Co., 2700 W. Olive St., Burbank, Calif.

 VILLIPSONS, JANIS (M'58), Designer, Craven Electronics, Ltd., 212 Manningham Lane, Bradford, York, England.

- England.

 VILKOMERSON, BENJAMIN S. (A'42-SM'43), RCA, Camden B, N.J.

 VILLA, ANGEL R. (A'56), Encargado Laboratorio Telecomunicaciones, Petroleos Mexicanos, Lafragua 1B, tercer piso, Mexico, D.F., Mexico.

 VILLA, RAFAEL (S'44-A'46), Staff Engr., Adel Precision Prods., 10777 Van Owen, Burbank, Calif.

 VILLAFANE, FRANCISCO (A'56), Dev. Engr., American Bosch Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.
- VILLERE, DAVID CS-48-A'51-M'50), Polect Engr., Caulis.

 VILLERE, DAVID CS-48-A'51-M'50), Mem. Tech. Staff, Bell Tel. Labs., Muray Hill, N.J.

 VILLEGAS, A. ALBERTO (M'56-SM'58), Tech. Dir., Empresa Nacional De Telecomunicaciones, CRA, 13.

 A. Calle 22, Bogota, Colombia.

 VILLENEUVE, ALFRED T. (S'52-A'53-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calli.

 VILLERE, ALLARD C. (SM'58), Staff Engr., Convair, Pomona, Calif.

 VILLERS, DAVID (S'49-A'51-M'56), Project Engr., Curtiss-Wright Corp., Box 689, Santa Barbara, Calif.

 VILLINES, FRITZ S. (S'55-M'57), Flectmates Engr.

- VILLINES, FRITZ S. (S'55-M'57), Electronics Engr., Ground Electronics Engrg. Installation Agency, Tinker AFB, Oklahoma City, Okla. VILLINES, WILLIAM M. (S'55-M'59), 2020 Add Dr., Falls Church, Va.
- VINAL, ALBERT W. (M'58), Staff Engr., IBM Airborne Computer Lab., Owego, N.Y.
 VINAL, ALBERT W. (M'58), Staff Engr., IBM Airborne Computer Lab., Owego, N.Y.
 VINARUB, EDMOND I. (S'56-M'59), Asst. Design Engr., Ford Instrument Co., 30-10 41 Ave., Long Island City 1, N.Y.
- VINARUB, MURRAY E. (S'54-M'56), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. VINCENT, ANDREW W. (SM'54), Chief Engr., Electronics Div., James Cunningham Son & Co., 33 Litchfield St., Rochester 11, N.Y.

- Rochester 11, N.Y.

 VINCENT, BRITTON T., JR. (S'54-M'56), Mem. Tech.
 Staff, Hughes Alircaft Co., Culver City, Calif.

 VINCENT, CHARLES J. (S'49-A'50-M'55), Mem.
 Tech. Staff, Bell Tel. Labs., 463 West St., New
 York 14, N.Y.

 VINCENT, DONAT A.A. (M'56), Test Engr., Jet Propulsion
 Lab., 4800 Oak Grove Dr., Pasadena, Calif.

 VINCENT, GEORGE D. (A'57), Dir., Standards, The Eppley
 Lab., Inc., 12 Sheffield Ave., Newport, R.I.

 VINCENT, HARRY F. (A'51-SM'55), Chief Project Engr.,
 Research & Dev. Div., Army Rocket & Guided Missile Agency,
 RedStone Arsenal, Ala.

 VINCENT, HARVARD B. (SM'51), Asst., to Dir. of Prod. Re-
- VINCENT, HARVARD B. (SMI51), Asst. to Dir. of Prod. Research, Owens Illinois Glass Co., 1700 N. Westwood, Toledo 1, Ohlo.
- VINCENT, JOHN J. (\$'56-M'56), Engr., Bell Tel. Co. of Canada, 1050 Beaver Hall Hill. Montreal. P. O. Canada VINCENT, LASTIE P., JR. (\$'43-A'45-M'51), Tech. Asst. to Mgr. of Operations, Johnston Testers, Inc., 6402 Dixie Dr., Houston, Tex.
- VINCENT, LESLIE R. (A'56), Contracting, RCA, West Coast Missile & Surface Radar Dept., 11819 W. Olympic Blvd., Los Angeles 64, Calif.
- UNCENT, RALPH M. (A'54), Electronics Computer Technician, IBM, Kingston, N.Y.
 VINCENT, RICHARD C. (M'57), Sr. Engrg. Project Administrator, Nortronics Div., Northrop Corp., Hawthome, Calif.
 VINCENT, ROBERT S. (S'49-A'50-M'55), Service Engr., Louisiana Radio Communications, Home: 1305 Sunset Dr., Lake Charles, La.
- Lake Charles, La.

 VINCENT, WALTER K. (S'56-M'59), Research Engr.,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.

 VINCENT, WILBUR R. (S'47-A'49), Research Engr., Stanford Research Institute, Menlo Park, Calif.

 VINDING, JORGEN P. (A'54-SM'59), Project Engr., Slema Electronic Corp., 3885 Bohannon Dr., Menlo Park, Calif.

 VINE, BENJAMIN H. (SM'55), Tube Design Engr., RCA,
 Lancaster, Pa.

 VINET, PERCY B., JR. (S'57-M'57), Elec. Engr.,
 Copolymer Rubber & Chemical Corp., Box 2591, Baton
 Rouge 1, La.

 VINKMAN VICTOR V. (A'55), Farm Design Could

- Rouge 1, La.

 VINKMAN, VICTOR V. (A'5B), Engrg, Designer, Republic Aviation Corp., Fab., Engrg, Designer, Republic Aviation Corp., Earningdale, L.I., N.Y.

 VINNELL, LIONEL F. (M'57), Sr. Engr., Stromberg-Carlson Co., 1895 Hancock St., San Diego 12, Calif.

 VINSON, REGINALD R. (S'56-M'57), Asst. Project Engr., Bendix Radio Div., Towson 4, Md.

 VINT, JAMES L. (A'54), Elec. Engr. (Transformer Design), Control Corp., 718 Central Ave., Minneapolis, Minn.

 VINTON, BOSTWICK W. (M'52), Studio Supvr., NBC, 3000 W., Alameda, Burbank, Calif.

 VIOLA, RAYMOND D. (M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N,Y.

 VERNON, VIOLA (S'51-A'52-M'5B), Sr. Engr., American Bosch Ama Corp., Garden City, L.I., N,Y.

 VIOLETTE, WILFRED R. (S'55-M'59), Asst. Project Engr., Eclipse-Pioneer Div., Bendix Aviation, Teterboro, N.J.

- VIRDEN, JAMES W. (SM'57), Electronics Scientist, U.S. Amy Electronic Proving Ground, Ft. Huachuca, Ariz. VIRGADAMO, FRANK (M'53), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. VIRKAR, DATTATRAYA V. (SM'57), Prof., Elec. Engrg.; Elec. Engrg. Dept., College of Engrg., Poona, Bombay State, India.
- State, India.

 VISHER, WILBUR A. (S'51-A'54), Principal Engr., Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.

 VISKANTA, VINCENT Z. (S'56-M'57), Research Asst., Amour Research Foundation of I.I.T., 3440 S. State St.,
- Chicago, III.

 VISLISEL, RICHARD L. (A'42), Engr., KOA-TV, Metropolitan Television Co., Denver 2, Colo.

 VISLOCKY, JOHN (S'50-A'52-M'57), Project Engr., IBM, Kingston, N.Y.

- VISLOURY, JOHN (3:30-A 32-M 37), Florest Engr., Ibm, Kingston, N.Y

 VISOTSKY, VICTOR M. (A:55), Jr. Engr., Lockheed Alr-craft Corp., Burbank, Calif.

 VISSER, ADRIANUS, JR. (S:52-A:54), Fleid Engr., GMC, 1925 E. Kenliworth Pl., Milwaukee, Wis.

 VITEK, WILLIAM J. (3:48-A:51-M:56), Prod. Planning Rep., IBM, Poughkeepsle, N.Y.

 VITEKI, ANDREW J. (S:54-M:58), Research Engr., Jet Propulsion Lab., 4800 Oak Grove Dr., Pasadena 6, Calif.

 VITERISI, DOMENICK P. (A:55), Research & Dev. Engr., Collins Radio Co., Cedar Rapids, Jowa.

 VITKOVITS, STEPHEN JR. (S:55-M'58), Mem. Tech.

 Staff, Bell Tel. Labs., Murray Hill, N.J.

 VITKUS, PAUL L. (S:50-A:53-M:57), Electronics Dev. Engr., NCC Equipment Corp., 160 Charlemont St., Newton 61, Mass.

- VITKUS, PAUL L. (S'50-A'52-M'57), Electronics, Newton 61, Mass.

 VITOLS, VISVALDIS A. (S'55-M'59), Instr., Iowa State College, Ames, Iowa.

 VITON, ERWIN J. (A'47-M'56), Design Engr., Thompson Prods., Inc., 2196 Clarkwood, Cleveland 3, Ohio.

 VITOROVICH, NICHOLAS (M'56), Columbia Univ., John Jay Hall., New York 27, N.Y.

 VITOUS, JOSEPH P. (S'53-A'54), Dev. Engr., RAHA Electric Co., 6221 S. Wentworth, Chicago 21, Ill., Instr. Applied Electronics Devry Technical Institute, 4141 Belmont Ave., Chicago 41, Ill.
- mont Ave.. Chicago 41. III.
 VITROGAN, DAVID (A'46-SM'52), Assoc. Prof., Elec.
 Engre, & Chman., Dept., of Elec. Technology Eve.
 School of Science & Technology, Pratt Institute, Brooklyn
- S.N.Y.
 VITT, RICHARDJ. (A'55), Electronics Engr., Admiral
 Corp., 3800 Cortland St., Chicago 47, III.
 VITTUM, MELVIN S. (A'50-M'53-SM'56), Asst. Engr.In-Chg., FCC, Primary Monitoring Sta., Box 385, Kallua,
 Hawaii.
- VITTUM, WINTHROP M. (M'56), Mem. Tech. Staff, The Ramo-Wooldridge Corp., Box 45534 Airport Sta., Los Angeles 45, Calif.
- VITZELIO, ROBERT B. (A'45), Owner & Mgr., Vitzel Radio & Television Co., 8109 S. Broadway, Los Angeles 3, Calif.
- VIVENZIO, LOUIS J. (A'56), Sr. Lab. Technician, Sylvania Elec. Prods., Inc., 208–20 Willets Point Blvd., Bayside, L.I., N.Y.
- VIZE, JAMES F. (A'51-M'56), Staff Engr., IBM, Kingston,
- VIZZIER, BENTON A. (M'57), Elec. Engr., Fryling Elec.
- VIZZIEK, BENTON A. (M*57), Elec. Engr., Fryling Elec. Prods., Holly Springs, Miss.
 VLACH, GEORGE (A*55), Test Engr., Sunbeam Corp., 560D W. Roosevelt Rd., Chicago 50, 111.
 VLADIMIR, LEONARD O. (A*41-M*45-SM*52), Sr. Scientist, Research Div., Geni. Precision Labs., Pleasantville, N.Y.
- N.Y.

 VLAHOS, PERRY G. (A'56), Capt., USAF, Hgrs., Boston
 Air Defense Sector (ADC), Stewart AFB, Newburgh, N.Y.

 VLASAK, WELDDN R. (A'55), Dev. Engr., Motorola Research Lab., 3102 N. 56 St., Phoenix, Ariz.

 VLAY, GEORGE J. (S'53-A'54-M'56), Project Engr., Aero
 Design & Engru. Co., Box 398, Norman, Okla.

 VLECK, DONALD H. (S'49-A'50-M'55-SM'58), Chief,
 High Speed Missile Test Track Div., Holloman Air Development Center, Molloman AFB, N.M.

- ment Center, Holloman AFB, N. M.

 VOCKE, MERLYN C. (M¹59), Asst. Prof., Elec. Engrg.
 Dept., Valparaiso Univ., Valparaiso, Ind.

 VODAK, ARTHUR W. (M¹56), Engro. Dept. Head, Sperry

 Utah Engro. Lab., Salt Lake City, Utah.

 VODOPIA, SAMUEL N. (S'53–A'55), Mem. Tech. Staff,

 Bell Tel. Labs., 463 West St., New York 14, N.Y.

 VODOVOZ, ERWIN (S'54–A'55), 8125 Alcove, North Hollywood, Calif.
- VOELCKER, HERBERT B., JR. (A'55), Engr., 84 Grove St., Tonawanda, N.Y., 35, Cornwall Gardens, London S.W.7, England.
- VOELKER, FERDINAND (S'47-A'52-SM'57), Project Engr., Univ. of California Radiation Lab., Berkeley, Calif. VOELL, RONALD F. (S'53-M'56), Electronics Engr., Convair Box 1950, San Diego, Calif. VOELLER, RICHARD L. (M'57), 27 Frederick PI., Moorestown, N.J.
- VOELPEL, JOHN (A'42), Sperry Gyroscope Co., Great Neck, L.I., N.Y. L.I., N.Y.

 VOGAN, ERIC L. (S'44-A'53-M'57), Canadian Liaison Of-ficer, Lincoln Lab. MIT & Air Force Cambridge Research Center, Research Board, Ottawa, Ont., Canada.
- Center, Research Board, Ottawa, Ont., Canada.

 VOGE, FREDERICK (A'56), Transmitter Operator, Wrather-Alvarez Broadcasting, Inc., KERO-TV. Bakersfield. Calif.

 VOGE, JEAN P. (SM*51), Chief du Dept. "Propagation," Centre Natl. d'Etudes des Telecommunications, 3, Ave. de la Republique, Issy-Les-Moulineaux, Seine, France.

 VOGEL, CHARLES B. (M'51), Sr. Physicist, Sheli Development Co., 3737 Bellaire, Houston 5, Tex.

 VOGEL, ERNEST H. (A'51-M'53), Chief Engr., St. Louis Board of Education, Sta. KSLH, 1517 S. Theresa, St. Louis, Mo.

- VOGEL, ERWIN (S'49-A'50-SM'55), Asst. Dept. Head, Guldance & Control, Missile Systems Div., Republic Avia-tion Corp., 223 Jericho Tpke., Mineola, L.I., N.Y.
- VOGEL, GEORGE J. (S'50-A'52), Electronics Engr., Rome Air Development Center, Griffigs AFB, N., VOGEL, HARVEY O. (S'48-A'50-M'55), Mem., Programs Branch, Communications-Electronics Directorate, Office of Joint Chiefs of Staff, The Pentagon, Washington 25, D.C.
- Joint Chiefs of Staff, The Pertagon, Washington 25, D.C. VOGEL, JOSEPH P. (S'56-M'58), Elec. Engr., Remington Rand Univac, 2750 W. 7 Blvd., St. Paul, Minn. VOGEL, NICHOLAS (M'52), Design Engr., Sperry Gyroscope Co. of Canada, 6011 Cote de Liesse Rd., Montreal, P.C., Canada.

VOGEL, OTTO F., JR. (SM'57), Sr. Group Engr., Electronic Engrg. Co., 1601 E. Chestrut St., Santa Ana, Calif. VOGEL, REINHOLD P. (A'55-M'57), Project Engr., Federal Scientific Corp., 615 W. 131 St., New York 27, N.Y. VOGEL, RODERICK Q. (M'50), Engr., Sylvania Elec. Prods., Inc., Seneca Falls, N.Y. VOGEL, SEYMOUR (A'56), Elec. Engr., Bulova Watch Co., Flushing 70, L.1., N.Y. VOGEL, VERNON H. (A'41-M'45), Head, Component & Design Evaluation, Hughes Aircraft Co., Fullerton, Calif. VOGEL, WILLIAM H., JR. (A'49-M'55), Sr. Project Engr., Measurements Div., McGraw-Edison Co., Boorton, N.J. VOGELE, FREDERICK C. (S'51-A'53-M'58), Head, Elec. Div., Engra. Dert., Link-Belt Co., 2410 W. 18 St., Chicago 8, Ill.

VOGELEY, CLYDE E., JR. (M'46-SM'50), Sr. Scientist, Westinghouse Atomic Power Div., Bettis Site, 8ox 1468, Pittsburgh 30, Pa. VOGELMAN, JOSEPH H. (M'46-SM'46), Tech. Dir., Directorate of Communications, Rome Air Development Center, Griffiss AF 8, N.Y.

torate of Communications, Rome Air Development Center, Griffiss AFB, N.Y.

VOCELSBERG, FREDERICK E. (S'50-A'51), Electronics Engr., Univ. of California Radiation Lab., Berkeley, Calif.

VOCELSONG, JAMES H. (M'54), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

VOCI, NORBERT G., JR. (S'56-M'57), Instr., Rensselaer Polytechnic Institute, 110 Bth St., Troy, N.Y.

VOCLER, JOHN G. (A'55-M'57), Chief Engr., Frequency Standards, Inc., Box 504, Asbury Park, N.J.

VOCLER, LEWIS E. (A'56), Mathematician, Natl. Bureau of Standards, Central Radio Propagation Lab., Boulder, Carlore & Co., Inc., 2701 N. Kildare, Chicago 39, Ill.

VOGT, ARTHUR R. (A'51), Experimental Engr., Armour Research Foundation, 10 W. 35 St., Chicago 16, Ill.

VOGT, ARTHUR R. (A'51), Project Engr., Certury Electronics)

Research Foundation, 10 W. 35 St., Cincago 16 J. M. VOGT, CALVIN O. (M'58), Project Engr., Century Electronics & Instruments, Inc., 1333 N. Utica, Tulsa 10, Okla.
VOGT, GOTTFRIEDF, (SM'56), Research Consultant, U. 3. Army Signal Research & Development Lab.,
Ft. Monmouth, N. J.

ant, U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

VOGT, GUILFRED L. (S'53-M'56), Asst. Project Engr., Bendix Aviation Corp., Baltimore 4, Md.

VOGT, GUNTHER A. (A'52-M'58), Chief Engr., W. Garywright Electronics Canada, Ltd., 628 Kent St., Whithy, Ont., Canada.

VOGT, JOHN J. (M'58), Engrs. Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

VOGT, KENNETH S. (A'50-M'56), Sr. Project Engr., Delco Radío Div., GMC, 700 E. Firmin St., Kokomo, Ind.

VOGT, WILLIAM G. (S'52-A'54-M'59), Research Engr., Engrs. Research Div., Univ. of Pittsburgh, Pittsburgh, Padio Div., Baltimore 4, Md.

VOGTS, WILLIAM G. (M'57), Operations, N8C, 30 Rockefeller Plaza, New York 30, N.Y.

VOICE, CLIFFORD C. (A'51-M'57), Electronics Design Sect. Head, Lear, Inc., 110 Ionia, N.W., Grand Rapids 2, Mich.

Mich.
VOIGE, RAYMOND C. (\$'55-M'59), Elec. Engr., Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, III.
VOIGHT, DEAN A. (M'58), Exec. Officer Directorate of Communications, Electronics, Hgrs., USAF, Pentagon, Washington 25, D.C.
VOIGHT, DONALD C. (\$'55-M'56), Engr., Hazeltine Corp., Little Neck 62, L.I., N.Y.
VOIGT, EMIL H. (A'59), 3226 Beverly Dr., Toledo 14, Ohlo.

VOIGT, EMIL H. (A'59), 3226 Beverly Dr., Toledo 14, Ohio.

VOIGHT, ROBERT O. (M'57), Lt. Col., USAF, Hqrs. AAC, Elmendorf AFB, Alaska.

VOIGT, GEORGE (A'43), DIr., Govt., Relations, Lewyt Mfg. Corp., 43-22 Queens St., Long Island City 1, N.Y.

VOIGTS, WILLIAM H. (A'54), Radio TV Instr., Phoenix Union High School, 512 E. Van Buren, Phoenix, Ariz.

VOILES, GILBERT E. (A'52), Chief Engr., Radio & TV Sta. W18W, Box 119, Topeka, Kan.

VOISICH, JOSEPH (A'48), Electronics Engr., U.S. Naval Air Test Cerker, Patucert River, Md.

VOISSEM, NORMAN H. (S'55-M'57), Assoc. Dev. Engr., Minneapolis-Honeywell Regulator Co., Aeronautical Div., 13350 U.S. Hwy., 19, St. Petersburg, Fla.

VOIT, WARREN L. (S'55-M'56), Elec. Engr., Norair Div., Northrop Corp., Hawthorne, Calif.

VOKOUN, RICHARD C. (A'56), Elec. Engr., The Hallicrafters Co., 5 & Kostner Ave., Chicago 24, Ill.

VOLBERG, HERMAN W. (S'49-A'51-M'55), Tech. Specialist, Stromberg-Carlson Co., 1895 Hancock St., San Diego, Calif.

Calif.

VOLDER, JACK E. (A¹55-SM¹58), Sr. Aerophysics Engr.,
Convair, Ft. Worth, Tex.

VOLF, LEONARD F. (A¹53), Communication Asst., South
Carolina Public Service Authority, Moncks Corner, S.C.

VOLK, CHARLES M. (S¹50-A¹51-M¹58), Sect. Head, Melpar,
Inc., 3000 Ariington Bfvd., Falls Church, Va.

VOLK, HELMUT M. (S¹55-M¹58), Evaluation Engr., Aero
Div., Minneapolis-Noneywell Regulator Co., Inc., 2600
Ridgway Rd., Minneapolis, Minn.

VOLK, JACK (S'57-A'58), 2473 Ocean Pkwy., Brooklyn 35, N.Y.

35, N.Y.
VOLK, JOSEPH A. (A'32-VA'39-SM'57), Dir., Research,
The Greenleaf Mig. Div., Mandrel Industries, 7814 Maplewood Industrial Ct., St. Louis 17, Mo.

VOLK, JOSEPHH. (S'55-M'58), Instr., Lafayette College, Easton, Pa.

Easton, Pa.

VOLK, MARIE C. (A'56), Electronics Research Engr., Emerson & Curning, Inc., 869 Washington St., Canton, Mass.

VOLKERS, WALTER K. (SM'54), Pres., Millivac Instrument Div., Cohu Electronics, Inc., 2315 Second Ave., Carman, Schenectady, N.V.

VÖLLENWEIDER, ALBERT D. (M'48), Pres. & Genl. Mgr., RMS Associates, Inc., 112 W. Boston Post Rd., Mamaro-neck, N.Y.

VOLLKOMMER, WILLIAM A. (A'37-VA'39), Supvg. Engr., New York Telephone Co., 101 Willoughby St., Brooklyn 1, N.Y.

N.Y.

VOLLUM, HOWARD (SM'50-F'55), Pres., Tektronix, Inc.,
80x 831, Portland 7, Ore.

VOLPE, CARL D. (A'51-M'57), Chief Engr., Affiliated Television Labs., Inc., 112-07 Francis Lewis Blvd., Queens
village, L.I., N.Y.

VOLPE, JOHN M. (M¹59), Electronics Engr., U.S. Army Signal Sucolv Agency. 225 S. 18 St., Philadelphia 34, Pa.

VOLPE, SALVATORE J. (A'57), Packaging Engr., Emerson Electric, 8100 W. Florissant, St. Louis, Mo.

VOLTAGGIO, FRANK, JR. (A'52-SM'59), Asst. Chief, Plans & Programs Div., Directorate of Research, Hors., Air Research & Development Command, Andrews AFB, Washington 25, D.C.

& Development Command, Andrews AFB, Washington 29, D VOMUND, LESTER E. (A'54), Customer Engr., I8M, 800 Acoma, Denver, Colo. VON ALVEN, WILLIAM H. (A'42-M'46), Special Asst., ARINC Research Corp., 1700 K St., N.W., Washington, D.C.

D.C.

VON AULOCK, WILHELM H. (A'54), Mem. Tech. Staff, 8ell Tel. Labs., Whippaan, N.J.

VON BAEYER, HANS J. (SM'53-F'59), Chief Systems Engr., Telecommunications RCAF, AFHQ, Ottawa, Ont., Canada.

VON 8AUDISSIN, JOSEF (A'36-V439-M'56), Owner, Von's Specialty Shop, 120 W. Main St., Elmsford, N.Y.

80N 8EHREN, ROBERT A. (M'53), Research & Dev. Mgr., Magnetic Prods. Div. A. Minnesota Mining & Mfg. Co., 2301 Hudson Rd., St. Paul, 6, Minn.

VON 8EHREN, WILLIAM P. (SM'56), Genl. Mgr., Radio Receiver D pt., GE Co., 1285 Boston Ave., Bridgeport, Conn.

Conn.

VON BUELOW, ROBERT F. (A'55), Sr. Engr., System Development Corp., 2500 Colorado Ave., Santa Monica, Calif.

VON DER LINDEN, MAX A. (SM'57), Staff Accountant, Electronics Data Processing, Long Lines Dest. AT&T Co., 100 William St., New York, N.Y.

VONDERSCHMITT, BERNARD V. (A'54), Electronics Engr., RCA, Camden, N.J.

VON DORLEN, H. W. (A'36-VA'39-M'55), Electronics Engr., USCG, 1300 E. St., N.W., Washington 25, D.C.

VON FANGE, EUGENE K. (M'56), Engr., GE Co., Syracuse, N.Y.

N.Y.

VON FREDERSDORFF, GEORGE C. (A'54-SM'59), Sr.
Electronics Engr., Cook Research Labs., 6401 Oakton St.,
Morton Grove, III.

VON KUMMER, FERDINAND G. (S'48-A'50-M'55), Project Engr., Royal McBee, 1031 New Britain Ave., Hartford 2,

Conn.

VON KUNITS, PAUL. (M'48), V.P.-In-Cha., Engro., Gotham Broadcasting, 7 Central Park, W., New York 23, N.Y.

VON LANKEN, JOHN R. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

VON OHLSEN, LOUIS H., JR. (A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., 555 Union 8Ivd., Allentown, Pa.

VON PAHLEN-FEDOROFF, GERHARD (A'56), Research Physicist, Martin Co., Orlando, Fla.

von RECKLINGHAUSEN, DANIEL R. (S'49-A'54-M'57), Chief Research Engr., H.H. Scott, Inc., 111 Powder Mill Rd., Maynard, Mass.

Rd., Maynard, Mass.

VON ROESGEN, CHARLES A. (M'54), Bell Tel. Labs.,
Murray Hill, N.J.

VON ROHR, R. DON (S'55-A'56), Owner, Audio Lab., 1961

Victoria Ave., Dayton 6, Ohio.

VON TERSCH, LAWRENCE W. (A'44-M'48-SM'52), Head,
Elec. Engry., Michigan State Univ., East Lansing, Mich.

VON TRENTINI, GISWALT (A'50-SM'53), Research Engr.,
Siemens-Halske A. G., Hofmannstrasse 51, Muenchen,
Germany.

Germany.

VON UTFALL, JOHAN C. J. (A'48-M'55), Chief Engr., & Tech. Dir., Swedish Broadcasting Corp., Tech. Dept., Valhailavagen 117, Stockholm, Sweden.

VON WEGERN, F. CARL (A'55), Sr. Engr., Vitro Corp. of America, Egin AF6, Fla.

VON WINKLE, WILLIAM A. (S'49-A'53), Electronics Scientist, U.S. Naval Underwater Sound Lab., Ft. Trumbull, New London, Conn.

London, Conn.

VOON, KIM MIN, ANDREW (A'51-M'57), Genl. Mgr., Voon
Radio Service, 62 Pudu Rd., Kuala Lumpur, Malaya.

VOORHAAR, FREDERICK R. (A'51-M'52), Sales Promotion
Mgr., Technical Appliance Corp., 1 Taco St., Sherbume,
N.Y.

N.Y.

VOORHAAR, FREDERICK R., JR. (M'56), Sr. Elec. Engr.,
Admiral Corp., 901 California Ave., Palo Alto, Calif.

VOORHEES, HENRY A. (M'56), Dept. Chief Statistics &
Tech. Services, Western Electric Co., Chatham, Rd., Winston-Salem, N.C.

VORONOFF, GEORGE N. (S'58-M'59), Engr., Dalmo Victor Co., Befmont, Call1.

VORWERK, FREDERICK A. (A'47), Electronics Engr., Evans Signal Lab., Belmar, N.J.

VOS, MAURITZ (SM'49), Genl. Tech., Advisor, Telefon A. B.L.M., Ericsson, Stockholm 32, Sweden.

VOSBURGH, MALCOLM C. (A'45-SM'57), Sr. Scientist, ITT Labs., Nutley 10, N.J.

VOSE, CHARLES H. (SM'46), Engr., RCA, Astro-Electronic Prods. Div., Princeton, N.J.

VOSEFSKI, JOHN R. (M'58), Sr. Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester, N.Y.

VOSHALL, ROY E. (M'57), Carnegie Institute of Technology, Elec. Engr., Detat., Schenley Park, Pittsburoh 13, Pa.

VOSS, CHARLES H., JR. (S'49-A'50-M'56), Instr., North Carolina State College, Raleigh, N.C.

VOSS, JAMES R. (M'755), Asst., Instr., Electronics Div., Natl. Technical Schools, 4000 S. Figueroa St., Los Angeles, Calif.

VOSS, JOSEPH M. (S'54-A'55), Engr., 80eing Airplane

VOSS, JOSEPH M. (S'54-A'55), Engr., Boeing Airplane Co., Seattle, Wash.

VOSSBERG, CARLA. (A'51-M'57), Pres., The Electron-Machine Corp., Umatilla, Fla.

VOSSEN, BERND (SM'55), Project Engr., Melpar, Inc., 3000 A'flington Bilvd., Falls Church, Va.

VOSTEEN, ROBERTE, (S'43-A'44-M'55-SM'58), Pres., Monroe Electronic Labs., Inc., 5 Vermon St., Middleport, N.

N.Y.
VOTAVA, CLARENCE J. (M'55), Sr. Project Engr., Delco
Radio Div., GMC, Kokomo, Ind.
VOTAVA, YARO (A'51-M'53), Field Engr., RCA Service
Co., Camden, N.J.
VOTAW, MARTIN J. (M'59), Supvg. Electronic Scientist,
Naval Research Lab., Washington 25, D.C.
VOTH, BRIAN W. (S'56-M'58), Research Asst., Control
Systems Lab., Univ. of Illinois, Urbana, Ill.

Systems Lab., Univ. of Illinois, Unbana, Ill.

VOTH, NORMAN D. (S'53-A'55), Engr., HMED, GE Co.,
Syracuse, N.Y.

VOUCH, STEPHEN D. (S'58-M'59), Systems Engr., Vitro
Corp. of America, 14000 Georgia Ave., Silver Spring, Md.

VOUGHT, NORMAN F. (S'46-A'48-M'49-SM'57), Chief
Engr., Electronics Div., Anton Electronic Labs., Inc., 1226
Flushing Ave., Brooklyn, N.Y.

VOUTSELAS, THEODORE (A'53), Mgr., Oxford Engrg. Co.,
47A River St., Wellesley Hills 8, Mass.

VOYLES, JOHN E. (SM'56), Sr. Engr., Govt. Service Engrg.,
Control Data Corp., 2600 Connecticut Ave., N.W., Washington B, D.C.

VOYLES, ROBERT L. (S'58-M'59). Cant. LISAF Philos

VOYLES, ROBERT L. (\$'58-M'59), Capt., USAF, Philco Western Development Labs., 3875 Fabian Way, Palo Alto, Calif.

Calif.

VOZNAK, EDWIN (A'40-M'52), Electronic Sclentist, Dept.
of Army, Washington, D.C. Home: 3511 Davenport St.,
N.W., Washington 8, D.C.

VRANA, NORMAN (M'58), Assoc. Prof., Elec. Engrg.,
Cornell Univ., Ithaca, N.Y.

VRATTOS, GEORGE P. (M'55), Field Engr., RCA, Camden,

NAI TOS, GEORGE P. (Mr 59), Field Ergy., Rob, Cainden, N.J.

VRBIK, JERRY (A'51), Pres., Jerry Vrbik, Co., 615 Guaranty Bidg., Cedar Rapids, Iowa.

VREELAND, JAMES B. (3:53-A'54), Project Linu., American Bosch Arma Corp., 3644 Main St., Springfield 7, Mass.

VREELAND, ROBERT W. (S'46-A'49-M'54), Assoc. Engr., Univ. of California Medical Center, San Francisco 22, Calif. VIELLAND, WALTER E. (S'49-A'51), Exhibit Engr., Bell Tel. Labs., Murray Hill, N.J.

VRIESEN, KENNETH S. (M'57), Geni, Mgr., De Vry Institute, 626 Ruselawn Ave., Toronto 12, Ont., Canada.

VROOM, DONALD R. (A'56), Radio Technician III, Airservices Div., Dept. of Transport, 739 W. Hastings St., Vancouver 1, B.C., Canada.

COUVER 1, B. U., Canada.
VROOM, EDWARD (SM'50), Retired, Christian Hill Rd.,
Brooklyn, Conn.
VROOMAN, ARTHUR L. (A'59), Asst. Chief Engr., WJAC,
Inc., 329 Main St., Johnstown, Pa.
VROOMAN, DANIEL H. (A'56), Field Service Rep., GE Co.,
Syracuse, N.Y.

VRZAN, STANLEY J. (A'59), 2301 S. Kolin Ave., Chicago 23, III.

23, III.
VUCHETICH, JAMES 8. (A'54), Engr., Airbome Lab., The
Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III.
VULLEUMIER, ROBERT F. (M'58), Astronics Div., Lear,
Inc., 3171 S. Bundy Dr., Santa Monica, Calif.
VULCAN, EDWARD J. (A'54), Staff Mem., Sandia Corp.,
Sandia Base, Albuquerque, N.M.

Sandia Base, Albuquerque, N.M.

VULLIET, PMILIP O. (A'49-M'55), Design Specialist,
Douglas Aircraft Co., Long Beach, Calif.

VUNK, ALBERT C. (S'55-M'57), Dev. Engr., GE Co.,
Schenectady, N.Y.

VUOLLE, CARL E. (S'56-M'58), Staff Asst., AT&T Co.,
Union Commerce Bidg., Cleveland, Ohio.

VUONO, ROBERT A. (A'58), Sect. Chief, Transmission
Engr., Western Electric Corp., 220 Church St., New York
1.3, N.Y.

VUOZZO, ARTHUR J. (S'53-A'57), Electronics Engr., American Machine & Foundry Co., 1085 Commonwealth Ave., Boston, Mass.

VURAL, BAYRAM (A'53-M'56-SM'58), Mgr., Advance Engrg., Canadian GE Co., 830 Lansdowne Ave., Toronto, Ort., Canada.

Ort., Canada.

VUREK, GERALD G. (S'56-M'58), Electronics Engr., Natl. Institute of Health, Bethesda 14, Md.

VURGAIT, MAURICE (A'59), Edif 'Vam' Ap. 14, Av. Andresbello, Garacas, Venezuela.

VUTZ, PETER (M'58), Electronics Engr., Abacus, Inc., 3040 Overland Ave., Los Angeles, Calif.

WAAS, GEORGE J. (S'49-A'50-M'56), Engrg. Group Leader, RCA Electronic Data Processing Div., Camden 2, N.J.

WABLE, GEORGE E. (S'57-A'58), Field Engr., ISM, Truax AF8, Wis.

WACHOLZ, EUGENE (M'56), Engr., Plant Dept., Canadlan Broadcasting Corp., Box 10, Snowdon, Montreal, P.Q., Canada.

Canada.

WACHOWSKI, HENRY P. (A'53-M'58), Dev. Engr., Machiett Labs., Inc., 1063 Hope St., Springdale, Conn.

WACHOWSKI, HILLARD M. (S'51-A'53-M'53-SM'55), Mem. Tech. Staff, The Ramo-Woodfridge Corp., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

WACHSPRESS, MELVIN H. (S'49-A'50-M'55-SM'58), Sr. Engr., Arma Div., American Bosch Arma Corp., Garden City, L.I., N.Y.

Engr., Arma Div., American Bosch Arma Corp., Garden City,
L.I., N.Y.
WACHTER, JAMES E. (S'49-A'51-M'56), Project Engr.,
Boonton Radio Corp., Intervale Rd., Boonton, N.J.
WACHTER, WILFRED J. (S'49-A'52-M'57), Sr. Research
Engr., Univ. of Pennsylvania, Logan Hall, Philadelphia, Pa.
WACHTHAMN, GEORGE S. (SM'58), Chief Engr., TerryPhone, Inc., 3805 Paxton St., Harrisburg, Pa.
WACK, CHARLES B. (A'53-M'59), Field Commercial Rep.,
RCA Service Co., Camden B, N.J.
WACKER, RATHUR G. (S'54-M'55), Instr., Univ. of
Saskatchewan, Saskatoon, Sask., Canada.
WACKER, KARL F. (A'56), Supyr., Instumentation Group,
Allison Div., GMC, Box 894, Indianapolis 6, Ind.
WACKER, WILLIAM F., Ill (A'59), Electronics Technician,
Picatinny Arsenal Special Weapons, Dover, N.J.
WADA, GEORGE (S'54-M'56), Mem. Tech. Staff, WatkinsJohnson Co., 3333 Hillview, Palo Alto, Calif.
WADA, JIM Y. (S'56-M'57), Mem. Tech. Staff, Hughes
Aircraft Co., Culver City, Calif.

- WADDELL, BILL L. (A'53-M'58), Chief Engr.-In-Chg., New Prod. Dev. & Research, Daystrom Systems, 5640 La Jolia Bilvd., La Jolia, Calif. WADDELL, JDHN F. (A'45-S'56-A'47-SM'53), Asst. Prof., Physics & Mathematics, St. Mary's College, St. Mary's College, Calif.
- many's Conege, Calit.
 WADDELL, RICHARD B. (A'45). Medfield. Mass.
 WADDELL, RICHARD E. (S'56-M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N. J.
 WADDELL, RUSSELL G. (S'56-M'59), 342 Montclair Ave.,
 Newark 6, N. J.
- Newark 6, N.J.
 WADDELL, THEODDRE P. (S'56-M'57), Electronics Engr.,
 Naval Air Missile Test Center, Point Mugu, Calif.
 WADE, C. F. NEWTON (A'19-M'26-SM'43), Lt. Col.,
 Maroubra Bay Hotel, Maroubra Bay, Sydney, N.S.W.,
 Australia.
- AUSTRIIA:
 WADE, CLARENCE E. (SM'56), Sr. Engr., Harvey-Wells
 Electronics, Research & Dev. Div., 5168 Washington St.,
 West Roxbury, Mass.
 WADE, ELMER J. (A'54), Research Assoc., Knolls Atomic
 Power Lab., GE Co., Schenectady, N.Y.
- WADE, ELMER P. (M'57), 14032 Ragus St., La Puente, Calif.
- WADE, ERNEST (A'54-SM'55), Sr. Design Group Engr., Convair-Astronautics, San Diego, Callf. WADE, GEORGE A. (S'58-A'59), Radio & TV Serviceman, Wade's Radio & Television Service Shop, 375 Pulaski St., Brooklyn 6, N.Y.

- MADE, DRIERT I. (5/54-M/59). ASSOC. Prof., Pulaski St., Brooklyn 6, N.Y.

 WADE, GLEN (S'51-A'55-SM'57), Assoc. Prof., Elec. Engrg., Stanford Univ., Stanford, Calif.

 WADE, J. PHILIP (S'55-M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 WADE, J. BERROLD A. (A'55-M'58), Engr., RCA, 272D E. Broadway, Tucson, Ariz.

 WADE, MARION E. (M'58), Supvy. Service Engr., Westinghouse Elec. Corp., 101 W. 11 St., Kansas City 5, Mo.

 WADE, DRISDN (S'45-A'49-M'55), Sr. Electronics Group Engr., Convair-Astronautics. San Diego, Calif.

 WADE, ROBERT A. (S'51-A'52-M'58), Sales & Service Engr., J. W. Fecker, Inc., 6592 Hamilton Ave., Pittsburgh 6, Pa.

- burgh 6, Pa.

 WADE, RDBERT J. (S'56-M'58), Dev. Engr., Western
 Electric Co., Bell Tel. Labs., Whippany, N.J.,

 WADE, WILLIAM D. (SM'59), Staff Engr., Magnavox Co.,
 2131 Bueter Rd., Ft. Wayne 4, Ind.

 WADE, WILLIAM T. (M'59), Dev. Engr., Transistor Circuits,
 LMED, GE Co., Schenectady, N.Y.

 WADEL, LOUIS B. (S'45-A'47-M'51-SM'55), Supvr.,
 Missile Systems Evaluation Group, Chance-Vought AirCraft, Inc., Dallas, Tex.
- WADHAMS, SAMUEL C. (M'57), Engr., Toll Central Office Equipment, Southern New England Telephone Co., 227 Church St., New Haven 6, Conn. WADHWA, LACHMAN K. (M'58), Assoc. Engr., Defence Science Lab., Pusa, New Delhi 12, India.

- WADHWA, RAJINDAR P. (M'58), Jr. Engr., IBM, Pough-keepsie, N. Y.
 WADIA, BEHRAM H. (S'5D-A'54), Asst. Dir., Central Electronics Engrg. Research Institute, Pilani, Rajasthan, India.

- WADLIN, MILO L. (S'47-A'48-M'55), Mem. Tech. Staff, RCA Labs., Princeton, N.J.
 WADSON, THEODORE E. (A'58), Chief Engr., CFRN-TV, Edmonton, Alta., Canada.
 WADSWORTH, BERNARD F. P. (M'57), Engr., Research School of Physical Sciences, Australian Natl Univ., Acton, Canberra ACT, Australia
- WADSWORTH, NELSON L. (A'52-M'57), Electronics Engr., Electronics Reconnaissance Sect., Aerial Reconnaissance Lab., Wright Air Development Center, Wright-Patterson AFB,
- Unio.
 WADSWORTH, WILLIAM B. (M'50), Prof., Elec. Engrg.,
 Worcester Polytechnic Institute, Worcester, Mass.
 WAENY, J. C. DE CASTRO (S'56-M'57), Lt. Cmdr.,
 Brazilian Navy, 192, Rua Alexandre Herculano, Santos,
 Brazil.

- WAER, RICHARD R. (S'42-A'45-M'55), Exec. Engr., ITT Labs., Nutley 10, N.J. WAFFLE, WILBUR M. (M'45), Asst. Dir., State Tech. Institute, 561 Main St., Hartford 3, Conn. WAGENER, J., SIEGFRIED (SM'56), Mgr., Research & Dev., Kemet Co. Div., Union Carbide Corp., Box 6087, Cleveland 1, Ohio.
- WAGENER, WINFIELD G. (A'28-SM'44), Prod. Mgr., Power Tubes, Varian Associates, 611 Hansen Way, Palo Alto, Calif.
- Palo Alto, Calif.

 WAGENHALS, EDWARD R. (M'52), Mgr., Planning, RCA Internati. Div., 30 Rockefeller Plaza, New York 2D, N.Y.

 WAGENSEIL, W. (SM'56), 844 Rincon Lane, Palos Verdes Estates, Calif.

 WAGENSELLER, GEORGE W. (A'52), Asst. Chief Engr., WNEM-TV, 570D Becker, Saginaw, Mich.

 WAGENSELLER, JOHN E. (A'48), Pres. & Dir., Engrg., Nuclear-Electronics Corp., 2925 N. Broad St., Philadelphia 32, Pa.

 WAGEN, JAY W. (S'56-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 WAGER, M. CLARK (S'53-M'56), 10841 Pickford Way.

- WAGER, M. CLARK (S'53-M'56), 10841 Pickford Way, Culver City, Calif
- Cuiver City, Calif.
 WAGGONER, 8ARRY A. (A'58), Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.
 WAGGONER, GEORGE F. (SM'58), Mgr., Elec. Test
 Equipment Design, GE Co., 3198 Chestnut St., Philadelphia 4, Pa.

- delphia 4, Pa.

 WAGNER, BURTON F. (S'50-A'52-M'57), Prod. Engr., GE Co., Auburn, N.Y.

 WAGNER, CHARLES A'. (S'50-A'53-M'58), Staff Member, MIT, Lincoln Lab., Lexington 73, Mass.

 WAGNER, DORRW. (A'45), Pres., Dorr Wagner & Associates, 1212 E1 Miradro Dr., Pasadena 3, Calif.

 WAGNER, EDWARD, JR. (S'33-M'55), Sr. Engr., Univox Corp., 4301 W. Jefferson Blvd., Los Angeles 16, Calif. WAGNER, ERIC G. (A 54), Staff Mathematician, IBM, Ossining, N.Y.
- WAGNER, FRANCIS D., JR. (A'52-M'58), Field Engr., Philos Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. WAGNER, FRANK, JR. (S'57-A'58), Asst. Tech. Editor, Cameradio Co., 1121 Penn Ave., Plitsburgh, Pa. WAGNER, FRANK R. (M'45), Mor., Engrg. Planning, Trans-World Airlines, Mid-Continent Internatl. Airport, Parkville, Mo.

- WAGNER, FREDERICK C. (A'48-M'55), Dev. Engr., Minneapolis-Honeywell Ordnance Div., 60D 2nd St., N., Hopkins, Minn.
- Hopkins, Minn.

 WAGNER FREDERICK R. (S'52-A'54), Sr. Engr.,
 McDonnell Aircraft Corp., Box 516, St. Louis 3, Mo.

 WAGNER, GEORGE D. (S'56-M'58), 1st Lt., USAF,
 Electronics Instr., Lowry AFB, Colo.

 WAGNER, HARRY E. (S'56-M'56), Tech. Difficer,
 Holloman AFB, N. M.

 WAGNER, HENRY B. (A'53), Electronics Research Engr.,
 Lockheed Missiles & Space Div., 77D1 Woodley Ave.,
 Van Nuys, Calif.

- WAGNER, HERBERT M. (\$'32-A'34-M'4D-\$M'43), Electronics Engr., U.S. Army Signal Engrg. Lahs., Belmar, N.J.

- Electronics Engr., U.S. Army Signal Engr., Westinghouse Elec. Corp., Box 10596, Pittsburgh 35, Pa.
 WAGNER, HOWARD A. (SM'53), Dev. Engr., Westinghouse Elec. Corp., Box 10596, Pittsburgh 35, Pa.
 WAGNER, JOHN L. (M'56), Project Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 WAGNER, JOHN L. (SM'57), Reliability Engro., IBM, Endicott, N.Y.
 WAGNER, LEO H. (M'58), Engr., Magnetic Devices, Inc., 712 East St., Frederick, Md.
 WAGNER, LEO HAMPON, CS'5D-A'51-M'56), Engr., GE
 Co., Ithaca, N.Y.
 WAGNER, LEROY W. (M'57), Project Engr., Sperry Utah Engro., Labs., 322 N. 21, W., Salt Lake City, Utah.
 WAGNER, MARVIN L. (S'57-M'59), Research Engr., C.K. Williams & Co., 2DD1 Lynch Ave., East St. Louis, III.

- III .
 WAGNER, MEYER (A 58), Supvr., System Test Engr.
 Lab., Missile & Space Vehicle Dept., GE Co., 3198
 Chestnut St., Philadelphia, Pa.
 WAGNER, NATHAN (A'55), Electronics Engr., White Sands
 Missile Range, N.M.
 WAGNER, PAUL E. (A'56), Contractor Technician, Page
 Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.
 WAGNER, PAUL S. (M'56), V.P., Lake Service Corp.,
 89 Brighton Ave., Boston 34, Mass.
 WAGNER, RICHARD E. (A'51-M'56), Research Engr.

- BY BYIGHTON AVE., Boston 34, Mass.
 WAGNER, RICHARD E., (A'51-M'56), Research Engr.,
 Hughes Aircraft Co., Culver City, Calif.
 WAGNER, RICHARD J. (A'55), Sales Engr., Jerrold Electronics Corp., 5911 Baum Blvd., Pittsburgh 6, Pa.
 WAGNER, ROBERT B. (M'57), Elec, Engr., in Chq. of
 Group, NP-ERCO, Div., ACF Industries, Inc., 80x 209,
 Hyattsville, Md.
- riyattsville, Md.
 WAGNER, ROBERT C. (S'50-A'53-M'56), Sales Engr.,
 Sprague Electric Co., Marshall St., North Adams, Mass.
 WAGNER, ROBERT E. (M'54), Owner & Chief Engr.,
 Custom Electric Construction, 535 Forest Ave.,
 Bethlehem, Pa.

- Bethlehem, Pa.

 WAGNER, ROBERT F. (S'57-M'59), Evaluation Engr.,
 Delco Radio, 7DD E. Firmin, Kokomo, Ind.

 WAGNER, ROBERT J. (M'58), Electronics Systems Engr.,
 Bendix Avaitain Corp., 400 S. Beiger, Mishawaka, Ind.

 WAGNER, ROBERT J., JR. (A'53-M'58), Engr., RCA
 Labs., 140 Lake Ave., Riverhead, J.I., N.Y.

 WAGNER, ROBERT L. (S'49-A'5D-M'55), Mem. Tech.
 Staff, Bell Tel Labs., Whippany, N.J.

 WAGNER, ROBERT W. (S'43-M'45), Chief, Circuitry Sect.,
 Communications Lab., Air Force Cambridge Research Center,
 Hanscom Field, Bedford, Mass.

 WAGNER, ROSWELL W. (A'45-M'47), Supvr., Receiver
 Design, Avionics Div., Bell Aircraft Corp., Box 1, Buffalo
 5, N.Y.

 WAGNER, RUSSELL A. (SM'56), Project Engr., LMED.

- WAGNER, RUSSELL A. (SM'56), Project Engr., LMED, GE Co., Utica, N. Y.
 WAGNER, STEPHEN J. (SM'48), Transmission Networks Engr., Western Electric Co., 100 Central Ave., Kearny, N. J.

- N.J.
 WAGNER, SYDNEY (SM'58), 1001 Lenoir, Montreal, P.Q., Canada.
 WAGNER, THOMAS C.G. (A'48-M'55), Prof., Univ. of Maryland, College Park, Md.
 WAGNER, WILLIAM F. (M'57), Supvy, Service Engr., Westinghouse Elec. Corp., 8
- WAGNER, WILLIAM 0 (M'55), Sr. Project Engr., AC Spark Plug Div., 1925 Kenitworth, Milwaukee 2, Wis
- Spark Plug Div., 1425 Kentlworth, Milwaukee 2, Wis. WAGNER, WILLIAM Q. (A. 157), Technician, Arince Research Corp., Commavairlant, NAS, Norfolk, Va. WAGNER, WILLIAM R. (M'57), Elec, Design Engr., B.F. Goodrich Co., 500 S. Main St., Akron 18, Ohio. WAGNER ZANE G. (A 155), Engrg. Writer, GE Co., Syracuse, N. Y.
- WAGONER, CLIFFORD E, JR. (\$'55-M'56), Engraining, Chrysler Corp., 12800 Oakland, Highland Park,
- Mich.

 WAGONER, CLYDE A', (SM'56), Mgr., Tech. Agreements Sect., Internatl. GC Co., Schenectady 5, N.Y.

 WAGONER, JOHN W. (A'58), Salesman, The Electronic Center, Inc., 1261 Cleveland, N.W., Canton, Ohio.

 WAGSTRDM, RAYMOND G. (M'58), 2504 3rd St., Santa Monica, Calif.

 WAHL, ANTHONY C. (A'44-M'45), Pres., A', C. Wahl Co. Inc., 121 Mill St., Cincinnati 15, Ohio.

 WAHL, ARTHUR (S'48-A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Allentown, Pa.

 WAHL, GARY J. (S'56-A'58), Tech. Writer, Electronics Div., Curtiss-Wright Corp., 631 Central Ave., Caristadt, N.J.

 WAHL, HERMAN F. (S'56-M'57), Front Jacoba, Padlo WAHL, MATTA, Padlo WAHL, MATTA

- N.J.
 WAHL, HERMAN E. (S'56-M'57), Engr.-In-Chg., Radio installation, Aircraft Dept., Dept. of Transport, 3 Temp. Bidg., Ottawa, Ont., Canada.
 WAHLBERG, JERIC C. (A'52-SM'59), Elec. Engr., American Machine & Foundry, 11 Bruce PI., Greenwich, Conn.
 WAHLE, JOHN J. (A'44-M'55), Training Officer, U.S.
 Govt., Washington, D. C.
 WAHLGREN, WALLACE W. (A'40-SM'46), Pres. & Tech. Dir., Electro Engrg. Works, 401 Preda St., San Leandro, Calif.

- WAHLIG ROBERT L. (M'56), Fleld Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C. WAHLMAN, JOHN E. (A'58), Radio & Research Dev. Lab. Technician, Sperry Microwave Electronics Co., Box 1828 Clearwater, Fla.
- WAHLQUIST, WILLIAM (S'55-M'58), Engr., ITT Labs., Nutley 1D, N.J.

- WAHLSTROM, GUNNAR (A'54), Project Engr., The Atvidaberg Co., Karlavagen 62, Stockholm, Sweden.
 WAHLSTROM, JAMES W. (M'56), Designs & Dev. Engr., RCA, West Los Angeles, Calif.
 WAHLSTROM, ROBERT N. (A'54), Mktg. Rep., RCA
 Defense Electronic Prods., Canden 2, N.J.
 WAHLSTROM, ROBERT N. (A'54), Mktg. Rep., RCA
 Defense Electronic Prods., Canden 2, N.J.
 WAHRHAFTIG, WHLLIAM H. (M'57), Statistician, Lockheed Missiles & Space Div., Box 504, Sunnyvale, Calif.
 WAICULE, DANIEL W. (S'43-A'45-M'57), Sr. Engr., Marine Div., Sperry Gyroscope Co., Garden City, L.I., N.Y.
 WAIDELICH, DONALD L. (S'37-A'39-SM'44-F'58), Prof., Elec. Engrg., Univ. of Missouri, Columbia, Mo.
 WAILIONIS, ROBERT J. (S'51-A'58), Electronics Technician, Sikorsky Alicraft Co., Main St., Stratford, Conn.
 WAINRIGHT, JOSEPH A. (SM'58), Supvr. Engrg., GE
 Co., Syracuse, N.Y.
 WAINSCOTT, DON M., (A'55), Sr. Lab. Technician, Collins Radio Co., 27DD W. Dlive Bivd., Burbank, Calif.
 WAINSCOTT, JACK M. (M'46), Sound Technician, Univ. of Hillionis, Urbana, III.
 WAINSCHOTT, LESLEF. (A'44-M'46), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 WAINWRIGHT, RAY M. (A'41-M'44-SM'46), Dir., Engr., Good-All Electric Mfg. Co., 112 W. 1st St., Ogaliala, Neb.

- WAIT, BENJAMIN W., III (S'55-M'58), 1st Lt., USAF, Communications Officer, 3D8 W. Alfred St., Tampa 3, Fla.
- Fila.
 WAIT , JAMES R. (SM'56), Consultant, Nati. Bureau of Standards, Boulder, Colo.
 WAIT , WARREN H. (A'55-M'58), Regional Supvr., Remington Rand Univac, 2978 W. Grand Bivd., Detroit 2, Mich.
 WAITE , A. CREW , JR. (M'56), Field Engr., Western Electric Co., Burlington, N.C.

- Corp., 95 & Troost, Kansas City 10, Mo.
 WAJDA, EDWARD S. (M'56), Dev. Physicist, IBM,
 Kingston, N.Y.
 WAJDA, JOSEPH P. (A'51-M'56), Dept. Head, Quality
 Control Lab., Amphenol-Borg Electronics Corp., 183D S.
 54 Ave., Chicago 50, III.
- The Ave., Chicago 50, III.

 WAKABAYASHI, GENE J. (S'44-A'46-S'48-A'49-M'55),
 Electronics Engr., Stewart Warner Electronics, 130D N.
 Kostner, Chicago 51, III.

 WAKAMIYA, YOOICHI (S'55-M'59), Mem. Tech. Staff,
 Space Technology Labs., Box 95D01, Los Angeles 45,
 Calif.
- Calif.

 WAKEFIELD , FRANK H. (S'56-A'57), Chief Engr., Franklin Broadcasting Co., 1DS N. High St., Franklin, Ky.

 WAKEFIELD, PAUL R. (A'53-M'58), Mgr., Microwave
 Service & Administration, RCA, Tube DIV., Harrison, N.J.

 WAKEFIELD, WALTER F. (S'5D-A'51-M'57), Computer
 Engr., GE Co., Ordnace Dept., PittSfield, Mass.

 WAKEMAN, CHARLES B. (S'49-A'50-M'55), Dir., Research & Dev., Magnetics, Inc., Butler, Pa.

 WAKEMAN, ROBERT P. (M'46-SM'57), Mgr., Systems
 Lab., Alien B. DuMont Labs., Inc., 35 Market St.,

 Paterson, N.J.

- 'AKSMAN, ABRAHAM (S'55-M'56-SM'59), Asst. Chief Engr., Stephens Tru-Sonic, 8538 Warner Dr., Culver City, Calif. WAKSMAN
- WALANCE, CHARLES G. (A'52-M'55-SM'56), Mgr., Components & Materials Dept., Hughes Aircraft Co., Culver City, Calif.
- WALBERG, ARTHURG. (S'49-A'51-M'56), Project Engr., Philoc Corp., G & I Div., 4700 Wissahlckon Ave., Philadelphia, Pa.
 WALBESSER, WILLIAM J. (S'50-A'52-M'55), Sect. Head, Cornell Aeronautical Lab., Inc., 4455 Genesee St., Buf-

- falo 21, N.Y.

 WALBRIDGE, CHARLES E. (S'54-M'58), Engr., Raytheon
 Mfg. Co., Wayland, Mass.

 WALCEK, EMIJ. (M'56), Branch Engr., Radiopiane Div.,
 8000 Woodley, Van Nuys, Calif.

 WALCH, RUDOLPH C., JR. (S'54-M'56), Elec. Engr.,
 8endix Radio Div., Towson 4, Md.

 WALCHLI, HAROLD E. (S'43-A'45-M'49-SM'53), Mgr.,
 Engrs. Service, Atomic Power Deat., Westinghouse Elec.
 Corp., Box 355, Pittsburgh 30, Pa.

 WALD ALVINS (S'54-M'56), Elec. Engr.
- WALD, ALVIN S. (S:54-M'56), Elec. Engr., Devenco, Inc., 150 Broadway, New York 3B, N.Y.
 WALD, BRUCE (A'54-SM'58), Electronic Scientist, U. S. Naval Research Lab., Washington 25, D.C.
 WALD, DAVID (A'42), Pres., DeWald Radio Div., United Scientific Labs., Inc., 35-15 37 Ave., Long Island City 1, N.Y.

- 1, N.Y.

 WALD, SIDNEY (SM'54), Leader, Surface Communications
 Dept., RCA, Camden, N.J.

 WALDEN, GEORGE R. (A'43-M'55), Electronics Engr.,
 Dept. of Defense, Washington 25, D.C.

 WALDEN, JACK M. (M'57-SM'58), V.P. & Tech. Dir.,
 Northern Television Inc., KTVA & KTVF. 4 & Denail Sis.,
 Anchorage, Alaska.

 WALDEN, LLOYD H. (M'57), Sect. Head, Evaluation,
 Sylvania Electronics Defense Lab., Box 205, Mountain
 View, Calif.
- WALDENMAYER, DONALD W. (S'55-M'55), Assoc. Engr., IBM, Kingston, N.Y. WALDER, BURTON (S'47-A'49-M'55), Group Leader, Electro-Mech. Lab., American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn.
- WALDER, EMIL (A'53-M'58), Communication Engr., Standard Telephone & Radio A.G. Seestrasse 395, Zurich 38, Switzerland.
- WALDHAUER, FRED D. (A'51-M'57), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J..
 WALDIE, ALAN D. (M'56), Chief Engr., McCollum Expoloration Co., 1025 S. Shepherd, Houston 19, Tex.
 WALDING, EUGENE C. (S'51-A'51-M'56), Project Engr.,
 Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III.

- WALDKOETTER, GENE L. (A'56), Dev. Engr., GE Co., Richland. Wash. WALDMAN, ABRAHAM (A'54), Sr. Engr., Sylvanla Elec. Prods., inc., Waltham, Mass. WALDMAN, MARVIN D. (S'50-A'52-M'58), Head, Micro-wave & Antenna Sect., Sylvania Reconnaissance Systems Box 188, Mountain View, Calif.
- WALDNER, MICHAEL (M'58), Physicist, GE Co., Syracuse,

- N.Y.
 WALDNER RICHARD G. (M'55), Sr. Tech, Writer, Lear, inc., 110 Ionia, N.W., Grand Rapids, Mich.
 WALDO, FREDERICK E. (S'57-M'59), 4329 1/2 Leach
 Ave. Oakland 2. Calif.
 WALDO, GEORGE V. (A'33-VA'39), Engr., Tech. Research
 Div., FCC, 12 St. & Pennsylvania Ave., N.W., Washington 25, D.C.

- ington 25, D.C.
 WALDRON, RALEPH E. (A'45-M'54), Test Methods Engr., RCA, Camden, N.J.
 WALDRON, WESLEY K. (S'49-A'51-M'56), Dev. Engr., GE Co., Schenectady, N.Y.
 WALDROP, JAMES E., JR. (M'56), Engr., American
 Bosch Arma Corp., Garden City, L.I., N.Y.
 WALDSCHMIDT, NORMAN E. (S'51-A'51-M'58), Elec.
 Design Engr., Ground Suppont Equipment, Aerojet-Genl.
 Corp., Azusa, Calif.
 WALDSCHMITT, JOSEPH A. (S'40-A'41-SM'47), Exec.
 V.P., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.

- V.P., Page Communications Engrs., Inc., 710 14 St., N.W., Washington 5, D.C.
 WALDVOGEL, JOHN (M'47), Sr. Dev. Engr., Instrumentation, Goodyear Aircraft Corp., Akron 15, Ohio.
 WALECKI, VINCENT (A'52-M'58), Specifications Engr., Mepco., Inc., Morristown, N.J.
 WALEN, ROGER S. (A'48-M'55), Staff Mem., MIT, Project Lincoln, Lexington 73, Mass.
 WALENGA, JAMES, JR. (M'59), Eleo. Engr., Bendix Aviation Corp., Mishawaka, Ind.
 WALENT, PHILIP M. (S'56-M'58), Test Equipment Engr.
 1. Hughes Aircraft Co., El Segundo, Callf.
 WALES, GRANT A'. (S'55-M'56), Jr. Engr., Collins Radis Co., Cedar Rapids, Iowa.
 WALES, NATHANIEL B., JR. (M'57), Asst. Dir., Research, Monroe Calculating Machine Co., Orange, N.J.
 WALES, ROBERT O. (S'47-A'50-M'55), Electronic Scientist, Naval Ordnance Lab., White Oak, Md.
 WALKER, A. PROSE (SM'53), Mgr., Engrp., Natl. Assoc. of Broadcasters, 1771, N.St., N.W., Washington 6, D.C.
 WALKER, A.DAM S., (M'45), Genj. Inside, Plant Engr.,
- of Broadcasters, 1771 N. St. N.W., Washington 6, D.C.
 WALKER, ADAM S. (M'45), Gen! Inside Plant Engr.,
 Canadian Pacific Railway Co., 1255 Phillips Sq.,
 Montreal 2, P. Q., Canada.
 WALKER, ALFRED C. (A'43-M'58), Pres., Control Electronics Co., Inc., 10 Stepar Pl., Huntington Sta., L.I.,
 N.Y.

- N.Y.
 WALKER, ALFRED S. (S'48-A'50-M'55), Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.
 WALKER, ARTHUR H. (M'5B), Jr. Mem. Tech. Staff, ITT Labs., Atlanta. Ga.
 WALKER, BAYARD F. (M'56), Principal Engr., Freiz Instrument Div., Bendix Aviation Corp., 1400 Taylor Ave., BaitImore 4, Md.
 WALKER, BENJAMIN G. (M'55), Engr., GE Co., 735
 State St., Santa Barbara, Calif.
 WALKER, BOBBY J. (S'57-M'58), 2nd. Lt., USAF, Ft. Meade, Md.
 WALKER, BUIET (S'55-M'57), Engr., Western Union

- Meade, Md.

 WALKER, BURT (S'55-M'57), Engr., Western Union Telegraph Co., 60 Hudson St., New York, N.Y.

 WALKER, CHARLES E. (S'51-A'53-M'58), Electronics Desian Engr., Raytheon Mfa. Co., Wayland, Mass.

 WALKER, CHARLES M. (A'56), Assoc. Engr., Sperry Gyroscope Co., Great Neck. L. I., N.Y.

 WALKER, CLINTON B. (A'58), Instrument Shop Asst., Sun Oil Co., Box 2831, Beaumont, Tex.

 WALKER, CLINTON S. (M'59), Dev. Engr., Oak Ridge Natl. Lab., Oak Ridge, Tenn.

 WALKER, DENNIE L. (S'56-M'59), Jr. Engr., IBM, Kingston, N.Y.

 WALKER, DONALD J. (S'53-A'55). Engr., Western Union

- Canada.

 WALKER, F. R. (A'42-SM'4B), District Mor., Closed Circuit TV. GE Co... 232 N. Lake Ave... Pasadena. Calif. WALKER, FRANKT. (S'55-M'56), Electronic Research, Melpar, inc... 3000 Arinoton Blvd.. Falls Church. Va. WALKER, GEORGE A. (A'48-M'50-5M'55), Research Engr., Mem. Tech. Staff, Hughes Aircraft Co... Box 5555, Tucson, Ariz.

 WALKER, GEORGE B. (S'49-A'50), Elec. Shift Foreman, Ford Motor Co... Windsor. Ont... Canada.

 WALKER, H. CLYDE (S'49-A'50-M'54), Staff Mem., Sandia Corp... Box 969, Livermore, Calif.

 WALKER, HARLEY E. (A'51-M'52-SM'53), Supvr., Systems Evaluation Sect... Sandia Corp., Sandia Base, Albuquerque. N.M.

 WALKER, HAROLD (A'30-VA'39), Engr., 1560 Warner

- Albuquerque, N.M.

 WALKER, HAROLD (A'30-VA'39), Engr., 1560 Warner
 Rd., Meadowbrook, Pa.

 WALKER, HAROLD E. (S'155-M'56), Genl. Foreman,
 Autonetics Div., No. Amer. Aviation, Downey. Calif.

 WALKER, HAROLD E. (S'152-M'56), Genl. Foreman,
 Autonetics Div., No. Amer. Aviation, Downey. Calif.

 WALKER, HAROLD R. (S'152-M'54-M'59), Head, InfraRed Lab., Naval Air Development Center, Johnsville, Pa.

 WALKER, HERMAN L. (M'159), ASSOC. Engr., Lockheed
 Aircraft Corp., Surbank, Calif.

 WALKER, HOWARD (SM'45), Cenl. Mgr., Bendix Aviation
 Corp., York, Pa.

 WALKER, HUGH O., JR. (A'164), Elec. Engr., The Tevas
 Co., Geophysical Research Lab., Box 425, Bellaire, Tex.

 WALKER, JAMES A. (S'151-X'52-M'58), 705 Data Processing Machine Tech. Specialist, IBM, 1256 Union Ave.,
 Memphis 7, Tenn.

 WALKER, JAMES E. (M'58), Supvr., Training Officer, U.S.

- Memphis 7, Tenn.

 WALKER, JAMES E. (M'58), Supvr., Training Officer, U.S. Army Southeastern Signal School, Ft. Gordon, Ga.

 WALKER, JAMES H. (SM'59), Tech., Asst. to Mgr., IBM, Monterey & Cottle Rds., San Jose, Callf.

 MALKEP, JAMES R. (A'57), Research Dir., Gemco Electric Co., 25685 W. 8 Mile, Detroit 19, Mich.

- WALKER, JEROME C. (S'55-M'56), Sr. Engr., Michigan Bell Tel. Co.. 1365 Cass Ave., Detroit 26. Mich. WALKER, JOE V. (S'56-M'56), Elec. Engr., U. S. Dept. of Interior, Southwestern Power Administration, Drawer 1619, Tulsa, Okla. WALKER, JOHN B. (M'54), Teacher of Physics & Electronics, Greenwich Sr. High School, Greenwich, Conn. WALKER, JOHN C. F., III (A'52-M'58), Sr. Electronics Designer, Natl. Cash Register Co., Dayton 9, Ohio. WALKER, JOHN P., JR. (A'52-M'57), Staff Engr., Haller, Raymond & Brown, Inc., State College, Pa. WALKER, JOHN R. (M'58), 1449 N. Smathers Circle, Eau Galille, Fla. WALKER, JON E. (S'56-M'59), 734 Rogue River Ave., Grants Pass, Ore. WALKER, JOSEPH F. (M'57), Radio Equipment Supvr.,

- nns rass, ore. KER, JOSEPH F. (M'57), Radio Equipment Supvr., Hips Petroleum Co., 959 Adams Biog., Bartlesville,
- Okla.

 WALKER, KENNETH E. (SM'5B), Project Engr., Philoc
 Cop., Philadelphia 44, Pa.
 WALKER, LEONARD F. (M'53), Research Engr., NASAames Research Center, Moffett Field, Calif.
 WALKER, LEONARD F. (SM'59), Box 2594, Ft. Huachuca,

- WALKER, LEONARD F. (M'53), Research Engr., NASAAmes Research Center, Moffett Field, Callf.
 WALKER, LEONARD F. (SM'59), Box 2594, Ft. Huachuca,
 Ariz.
 WALKER, LEONARD G. (SM'52), Mkt. Mgr., Microwave
 & Industrial Control Dept., Motorola Communications & Electronics, inc., 1400 N. Cicero Ave., Chicago 51, III.
 WALKER, LEROY H. (S'54-M'58), Research Staff, MIT,
 Cambridge 39, Mass.
 WALKER, M. C. (M'58), Pres. & Sales Mgr., Ellis Tower
 Co., Inc., Box A-382, Oakland Park, Fia.
 WALKER, M. C. (M'58), Pres. & Sales Mgr., Ellis Tower
 Co., Lansdale, Pa.
 WALKER, MCHAEL L. (S'50-A'54), Owner, M. L. Walker
 Lab., 709 Main, E., Hamilton, Ont., Canada.
 WALKER, NOLAN S. (A'29-VA'39), Radio Engr., Owner,
 Walkeradio, 3301 Harrison Ave., N. W., Canton 9, Ohlo
 WALKER, NOLAN S. (S'54-M'55), Project Engr., United
 Aircraft Corp., 13210 S. Crenshaw, Gardena, Callf.
 WALKER, NORMAN L. (S'54-M'55), Project Engr., United
 Aircraft Sta. Laison Office, Signal Supply Sect., U. S.
 Army Atlanta Ceni. Deoot, Forest Park, Ga.
 WALKER, PETER G., [III (M'58), Group Leader, Fleid
 Engrs., Comporal Missile, Gilfillan Bros., Inc., 1815
 Venice Bird., Los Angeles 6, Callf.
 WALKER, PETER G., III (M'58), Group Leader, Fleid
 Engrs., Comporal Missile, Gilfillan Bros., Inc., 1815
 Venice Bird., Los Angeles 6, Callf.
 WALKER, RTENISON (S'39-A'42-M'50), Assoc. Engr.,
 Boeing Airplane Co., Seattle 4, Wash.
 WALKER, R. TENISON (S'39-A'42-M'50), Assoc. Prof.,
 Bucknell Univ., Lewisburg, Pa.
 WALKER, RICHARD W. (S'58-M'58), Electronics Standards
 Engr., Chance Vought Aircraft, Dailas, Tex.
 WALKER, RICHARD W. (A'51-M'56), Research Project
 Officer, USAF, Egilin AFB, Fla.
 WALKER, EICHARD W. (A'51-M'56), Research Project
 Officer, USAF, Egilin AFB, Fla.

- MASS.

 WALKER, RICHARD V. (A'51-M'56), Research Project
 Officer, USAF, Egiin AFB, Fla.

 WALKER, ROBERT D. (S'52-A'53-M'56), Sales Engr.,
 H. W. Brede Co., Inc., 75 Gien Cove Rd., Greenvale,
 L.I., N.Y.
- WALKER, ROBERT G. (M'55), Project Engr., Electronic Communications, Inc., 1501 72 St., N., St. Petersburg,

- Fla.

 WALKER, ROBERT K. (S'51-A'52-M'56), Engr., GE Co., Utica, N.Y.

 WALKER, ROBERT L. (S'55-M'58), Prof., Elec. Engr., Univ. of Arizona, Tucson 25, Ariz.

 WALKER, ROBERT M. (A'37-M'40-5M'43), Sr. Research Engr., IBM, Watson Research Lab., 612 W. 115 St., New York 25, N.Y.

 WALKER, ROBERT S. (S'52-A'53-M'58), Electronics Engr., Naval Ordnance Plant, 21 St. & Arlington Ave., Indianapolis, Ind.

 WALKER, ROLLE J. (A'57), Engrq. Asst., GE Co., 9 &

- Indianapolis, Ind.

 WALKER, ROLLIE J. (A'57), Engrg. Asst., GE Co., 9 & Mosely St., Owensboro, Ky.

 Mosely St., Owensboro, Ky.

 WALKER, RORALD B. (S'57-M'59), Electronics Design Engr., RCA, Camden 2, N.J.

 WALKER, SAMUEL J. (M'58), Electronics Engr., Genl. Aeronautical Center, CAA, Oklahoma City, Okla.

 WALKER, SCOTT H. (M'59), Engr., Bendix Aviation Corp., Box 5115, Detroit 35, Mich.

 WALKER, THOMAS H. (A'34-M'45), Lecturer, Engrg. Dept., Juniv. College, Gower St., London, W.C. 1, England.

- Debt., Informac II., Na. 34-M-40-1, Lecturer, Engrg.
 Debt., Informac II., Na. 34-M-40-1, Lecturer, Engrg.
 Debt., Informac II., Rengland.

 WALKER, VERLG. (A'31-Na'39), Owner, V. G. Walker
 Co., 205 W. Jackson St., Medford, Ore.

 WALKER, VERNON D. (M'59), V. P., Marc Shlowitz & Associates, Inc., 13520 Crenshaw Bivd., Gardena, Calif.

 WALKER, VICTOR M. (S'55-M'58), Sr. Engr., Litton
 Industries, 336 N. Foothill Rd., Beverify Hills, Calif.

 WALKER, WALTER P. (M'56), School of Engrg., Univ.
 of Virginia, Charlottesville, Va.

 WALKER, WATSON F. (M'56), Principal Engr., StrombergCarlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 WALKER, WILLIAM D. (A'43), Chief Electronics Engr.,
 Convair-Astronautics, San Diego, Calif.
 WALKER, WILLIAM S. (S'55-M'57), Asst. Engr., Sperry
 Gyroscope Co., Great Neck., L.I., N.Y.

 WALKER, WILLIAM S. (S'55-M'57), Asst. Engr., Convair-Astronautics, San Diego, Calif.

 WALKING, RICHARD W. (A'53-M'58), Sr. Staff Mem.,
 Genl. Precision Lab., Pleasantville, N.Y.

 WALKO, DONALD G. (M'58), Assoc. Engr., Sperry Gyroscope Co., Great Neck., L.I., N.Y.

 WALKO, DONALD G. (M'58), Assoc. Engr., Sperry Gyroscope Co., Great Neck., L.I., N.Y.

 WALKUP, L., ALBERT (A'53-M'55), Contract Engro.
 Sevices; 722 Via De La Paz, Pacific Palisades, Calif.

 WALL, DONALD E. (S'56-M'57), Assoc. Engr., McDontnell
 Alreraft Corp., Lambert Field, St. Louis, Mo.

 WALL, ERREST (S'44-A'47-M'55), Chief Engr., Guided
 Missile Div., dehavilland Aircraft of Canada, Ltd., Downsview, Ont., Canada.

 - WALL, GARRETT B., III (S'55-M'56), Engr., ITT Labs.,
- WALL, HENRY, JR. (A'58), Electronics Systems, McDonnell Aircraft Corp., Box 516, St. Louis 66, Mo.

- WALL, JACK E. (A'56), Research & Design Engr., Nortronics Div., Northrop, Inc., Hawthorne, Calit.
 WALL, JAMES R. (M'57), V.P. in Chg., Industrial Sales, Srepco, Inc., 314 Leo St., Dayton 4, Ohio.
 WALL, JOE A. (M'59), Engr., GE Co., Syracuse. N.Y.
 WALL, JOHN J. (S'50-A'51-M'56), Sr., Field Engr., Bendix, Radio Div., Baltimore 4, Md.
 WALL, MARK E. (S'57-M'59), Elec. Engr., RCA, Princeton, N.J.
- WALL, RICHARD A. (M'52-SM'57), Project Engr., Motorola, Inc., Systems Research Lab., 8330 Indiana Ave., Riverside, Calif.
- Calif.

 WALL, RICHARD D. (S'53-A'55), Field Engr., Westem Electric Co., Chatham Rd., Winston-Salem, N.C.

 WALL, ROBERT B. (M'56), Sr. Engr., Raytheon Mfg. Co., Waltham, Mass.

 WALL, ROBERT E., JR. (S'49-A'50-M'56), Instr., Elec. Engrg. Dept., Univ. of Washington, Seattle 5. Wash.

 WALL, VIRGIL W. (S'48-A'50-M'55-SM'56), Engrg. Mgr., Raytheon Mfg. Co., 80x 636, Santa Barbara, Calif.
- Raytheon Mfg. Co., 8ox 636, Santa Barbara, Calif.

 WALLACH, DAVID M. (M'57), Electronics Engr., Missile
 Systems Div., Republic Avlation, 223 Jericho Tpke.,
 Mineola, L.I., N.Y.

 WALLACE, AARON (S'47-A'50-M'55), Research Engr.,
 W. L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

 WALLACE, CHARLES E., JR. (M'54), Chief Engr., Indiana
 Broadcasting Co., WANE-TV Div., 2915 W. State, Ft.

 Wayne, Ind.
- Wayne, Ind.

 WALLACE, DARRELL L. (M'59), Modification & Checkout
 Mgr., Lockheed Missiles & Space Div., Sunnyvale, Calif.

 WALLACE, DON C. (A'25-VA'39-M'55), Partner, Don C.
 Wallace & William H. Wallace, Electronic Mirs. Reps.,
 Bendlx Bidg., 1206 Maple Ave., Los Angeles 15, Calif.

 WALLACE, FRED C. (A'44-SM'50), Sr. Electronics Engr.,
 Allen B. DuMont Labs., Inc., 35 Market St., East Paterson, N.J.
- WALLACE, GEORGE A. (A'57), Television & Electronics Technician, Douglas Radio, 3148 Tremainsville, Toledo, Ohio.
- Ohio.

 WALLACE, GERALD R. (A'53-M'59), Supvr., Electronics, Canadian Aviation Electronics Western Ltd., 207 Sutherland Ave., Winnipeg 4, Man., Canada.

 WALLACE, H. EDWARD (A'57), TechRep., Inspector, Naval Material, 401 Water St., Saltimore 2, Md.

 WALLACE, HARRY L. (A'54), Elec. Engr., The Magnavox Co., Bueter Rd., Ft. Wayne, Ind.

 WALLACE, HENRY S., (A'53-M'57), Chief Engr., ERA Meter Co., 3940 N. Kilpatrick Ave., Chicago 41, Ill.

 WALLACE, JAMES D. (A'29-SM'44-F'59), Radio Engr., Naval Research Lab., Washington 25, D. C.

 WALLACE, JAMES E. (S'54-M'57), Bomarc Test Staff, Gulf Test Sect., Boeing Airplane Co., Box 694, Ft. Walton Beach, Fla.

 WALLACE, JAMES M., JR. (M'57), Electronics Engr., Link WALLACE, JAMES M., JR. (M'57), Electronics Engr., Link

- Walton Beach, Fla.
 WALLACE, JAMES M., JR. (M'57), Electronics Engr., Link
 Aviation, Inc., 530 University Ave., Palo Alto, Calif.
 WALLACE, JAMES W. (A'29–SM'44), Pres., KPQ, Radio
 & Midstate, Radio TV Supply Co., 32 N. Mission,
 Wenatchee, Wash.

- & Midstate, Radio TV Supply Co., 32 N. Mission, Wenatchee, Wash.
 WALLACE, JOHN F. (A'52-M'5B), Staff Engr., IBM, Kingston, N.Y.
 WALLACE, JOHN M., JR. (S'50-A'51-M'56), Asst. Prof., Georgia Institute of Technology, Allanta, Ga.
 WALLACE, MARCEL (A'30-SM'43), Chmn., Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mt. Vernon, N.Y.
 WALLACE, NATALIE E. (S'55-A'5B), 15 Chestnut Ave., Chelmsford, Mass.
 WALLACE, PAUL P. (M'57), Sales Engr., Wallace-Gluck Co., 2679 Freewood Dr., Dallas 20, Tex.
 WALLACE, PAUL R. (S'55-M'56), Engr., Roy, 1819 W. Olympole Blvd., Los Aneeles, Calif.
 WALLACE, PHILEMON A. (S'49-A'50-M'56), Sr.
 Project Engr., Bendix Aviation Coro., Teterboro, N.J.
 WALLACE, RAYMOND P. (M'53-SM'53), Patent & Trademark Atty., Curtiss-Wright Corp., Quebanna, Pa.
 WALLACE, REUBEN H. (A'52-M'58), Research Physicist, Defense Research Lab., Box 8029, University Sta., Austin, Tex.
 WALLACE, RICHARD A. (M'156), Engr., Sperry Gyroscope

- Austin, Tex.

 WALLACE, RICHARD A. (M'56), Engr., Sperry Gyroscope
 Co., Great Neck, L.I., N.Y.

 WALLACE, ROBERT A. (S'49-A'50-M'58), Sr. Engr.,
 Sylvania Elec. Prods., Inc., 208-20 Willets Point Blvd.,
 Bayside, L.I., N.Y.
- Bayside, L.I., N.Y.

 WALLACE, ROBERT E. (S'54-M'56), Engr., Rohn & Haas
 Co., Redstone Arsenal, Huntsville, Ala.

 WALLACE, ROBERT J. (A'41-M'45-SM'54), Supvr.,
 Quality Control, Tubes, RCA Victor Co., Ltd., 1001
 Lenoir St., Montreal, P.Q., Canada.

 WALLACE, ROBERT L., JR. (SM'53-F'56), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.

 WALLACE, ROBERT M. (A'48-M'55), Production Engr.,
 Texas Instruments, 13500 N. Central Expressway,
 Dallas, Tex.

 WALLACE, STANLFV K. (A'48-M'54)

- Texas Instruments, 13500 N. Central Expressway, Dallas, Tex.
 WALLACE, STANLEY K. (A'54), Chmn. of Bd., Stanley K. Wallace Associates, Inc., Box 67, Lutz, Fla.
 WALLACE, VICTOR L. (S'53-M'56), Instr., Elec. Engrg. Dert., Unit. of Michigan, Ann Arbor, Mich.
 WALLACE, WILLIAM C. (S'55-M'56), Instr., Elec. Engrg. Dert., Unit. of Michigan, Ann Arbor, Mich.
 WALLACE, WILLIAM C. (S'55-M'56), Sr. Engr., Alabama Power Co., 600 N. 18 St., Birmingham 2, Ala.
 WALLE, A. C. (A'58), Deslan & Dev. Engr., RCA, 11819
 W. Olympic Blvd., Los Angeles, Calif.
 WALLEN, ARTHUR C. (A'54), Asst. Sales Mgr., Truscan Steel Div., Republic Steel Corp., Youngstown, Ohio.
 WALLENFELS, WILLIAM B. (S'54-M'56), Engr., LMED, GE Co., Utica, N.Y.
 WALLENFELS, WILLIAM B. (S'54-M'56), Fre., Wallson Associates, Inc., 35 E. Runyon St., Newark 8, N.J.
 WALLER, EARL E. (S'47-A'49-M'55), Sr. Elec. Engr., Cook Electric Co., 8100 Monticello, Skokie, III.
 WALLER, EDWARD C. (S'57-M'58), LI., USN, Magnetics Engr., Air Development Sodn. 1, Key West, Fla.
 WALLER, HERBERT H. (A'51-M'56), Sr. Dev. Engr., Servo Corp., of America, 20-20 Jericho Tpke., New Hijde Park, L.I., N.Y.
 WALLER, KERNEY L. (M'56), Sr. Electronics Engr., Motorola, Inc., Hayden Rd., Phoenix, Ariz.
 WALLER, MILFORD J. (S'41-A'43-M'49-SM'56), Equipment Project Engr., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada
 WALLER, RALPH L. (S'49-A'50-M'58), Elec. Engr., Wilancoko Engrg. Co., Pasadena, Calif.

WALLER, ROBERT W. (A'52-M'58), Sr. Engr., Computer Control Co., 2251 Barry St., Los Angeles 64. Calif.
WALLER, SYLVIA L. (A'48-M'55), Electronics Engr.,
U. S. Army Aviation Board, Ft. Rucker, Ala.
WALLER, WILLIAM E. (A'46-M'47), Chief Elec. Design Engr., Hiroborne Instrument Lab., Mineola, L.I., N.Y.
WALLEY, BERNARD (A'38-SM'47), Sales Mgr., Western District Industrial Tubes, RCA, 6355 E. Washington Bird., Los Angeles 22, Calif.
WALLEY, WAYNE E. (A'54), Head, Reports Sect., Avionics Div., Aerojet-Geni. Corp., 6352 N. Irwindale Ave., Azusa, Calif.

Azusa, Calif.

WALLICK, WILLIAM L. (S'55-M'5B), Electronics Engr.,
Radioolane Co., 8000 Woodley Ave., Van Nuys, Calif.

WALLIN, CHESTER H. (A'54), Elec, Engr., Ballistics Research Lab., Aberdeen Proving Grounds, Md.

WALLIN, GUS W. (A'42-M'55), Pres., Electronic Prods.

Div., Pell & Howell Co., 3512 N. Kostner Ave., Chicago

41.III

WALLIN, WALTER (A'43-M'49), District Mgr., Sales Engrg., Crossley Associates, Inc., 2801 Far Hills Ave., Dayton 19, Ohio.

Engra., Crossley Associates, Inc., 2801 Far HIIIs Ave., Dayton 19, Ohio.

WALLING, GEORGE P. (S'4B-A'5D-M'55-SM'55), Regional Rep., Motorola, Inc., 333 W. 1st St., Dayton 2, Ohio.

WALLIS, ADELBERT V. (A'58), Rear Admiral, USN, Retired, 842 Placido Way, N.E., St. Petersburg 4, Fla.

WALLIS, AUDREY (M'5B), Sr. Research Specialist, Natl. Cash Register Co., Main & K Sts., Dayton 9, Ohio.

WALLIS, CHARLES L. (A'56), TechRep., Philos Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa.

WALLIS, CLAYTON L. (A'56), Mgr., Central Electronics, 3517 Blue Bonnet Circle, Ft. Worth, Tex.

WALLIS, CLIFFORD M. (M'42-SM'43), Prof. & Chmn., Elec. Engra. Dept., Univ. of Missouri, Columbia, Mo.

WALLIS, DANIEL W. (M'57), Assoc. Dev. Engr., Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.

WALLIS, DAVID E., JR. (S'57-M'59), 362 W. Loraine St., Glendate 2, Calif.

WALLIS, DOWARD R. (M'57), Radio & TV Engr., WSUN St. Petersburg, Fla.

WALLIS, JOSEPH C. (A'55-M'59), Owner-Operator, 2-Way Radio Systems Maintenance, 423 Pass Rd., Gulfport, Miss.

WALLIS, THOMAS F., JR. (S'48-A'49), Design Engr., Lemmetic Seal Transformer Co., 555 N. 5 St., Garland, Tex.

I ex.

WALLIS, WILLIAM R. (A'53), Cmdr., USN, Retired, 2710

Bowman Rd., Austin 3, Tex.

WALLMAN, EDWIN J., JR. (S'54-M'56), Computer Applications Engr., GE Co., 300 S. Geddes St., Syracuse 4, N.Y.

cations Engr., GE Co., 300 S. Geddes St., Syracuse 4, N.Y.

WALLMARK, J. TORKEL (A'48-M'55-SM'59), Research Engr., RCA Labs., Princeton, N.J.

WALLNER, FRANCIS S. (S'54-M'56), Electronics Engr., RCA, Moorestown, N.J.

WALLNER, RICHARD A. (S'52-M'57), Scientist, Lockheed Missile Systems Div., Palo Alto, Calif.

WALLS, G. (S'50-A'53-M'59), Sr. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.

WALLS, G. RICHARD (M'56), GE Co., Ultica. N.Y.

WALOWICH, JOHN J. (M'52), V.P. Engr., Geni. Transformer Co., 18240 Harwood Ave., Homewood, III.

WALOWITZ, HOWARD I. (M'58), Mathematician, Computer Usage Co., 18 E. 41 St., New York, N.Y.

WALP, ROBERT M. (S'50-A'52-S'53-A'54-M'58), V.P., C. A. Rypinski Co., 2005 N. Fair Oaks, Pasadena, Calif. WALQUIST, ROBERT L. (A'52-M'58), Sr. Staff Mem., Space Technology Labs., Box 95001, Los Angeles 45, Calif.

WALRATH, DAVID J. (S'52-A'54), Mgr., Communications,

WALRATH, DAVID J. (S'52-A'54), Mgr., Communications, Continental Grain Co., 26 Broadway, New York 4, N.Y. WALSH, A. LAFAYETTE (A'47), 509 Madison Ave., New York 22, N.Y.

Continental Grain Co., 26 Broadway, New York 4, N. Y.
WALSH, A. LAFAYETTE (A'47), 509 MadIson Ave., New
York 22, N. Y.
WALSH, ALLEN A. (SM'46), Staff Engr., NBC, 30 Rockefelier Plaza, New York 20, N. Y.
WALSH, BERNARD L., JR. (M'56), Research Engr., Hughes
Alroraft Co., Culver City, Callif.
WALSH, BRYAN R. (S'57-M'58), Engr., Dept. of Transport,
Montreal Alipport, Donval, P. Q., Canada.
WALSH, CRAIG (SM'50), McGraw-Hill Book Co., 330 W.
42 St., New York 36, N.Y.
WALSH, DAVID (A'58), Apparatus Engr., Northern Electric,
1261 Shearer St., Montreal, P. Q., Canada.
WALSH, DAVID W. (S'57-M'59), Asst. Engr., Westinghouse
Electronics, Box 746, Balltimore 3, Md.
WALSH, FRANK C. (M'58), Reliability Engr., Arma Div.,
American Bosch Arma Corp., Garden City, L. I., N. Y.
WALSH, GEORGE J. (A'58-M'59), Project Engr., Missouri
Research Lab., 2109 Locust, St. Louis, Mo.
WALSH, GEORGE J. (M'57), Chief, Sect. 42.1 Air Target
Branch, Guided Missile Fuze Labs., Diamond Ordnance
Fuze Labs., Washington 25, D.C.
WALSH, GEORGE W. (M'57), Chief, Sect. 42.1 Air Target
Branch, Gerall J. (M'56), Engrg. Designer, Boeing Airplane Co., Renton, Wash.
WALSH, JAMES F. (M'577), Mech. Engr., Hoffman Labs.,
Inc., 3761 S. Hill St., Los Angeles, Callif.
WALSH, JAMES F. (S'29, 1401 Coolidge St., Fairfield,
Callif.
WALSH, JAMES J. (S'49-A'50-M'57), Design Engr..

Calif.
WALSH, JAMES J. (S'49-A'50-M'57), Design Engr.,
Hughes Aircraft Co., Culver City, Calif.
WALSH, JAMES J. (M'57), Chief Engr., Erie Resistor of
Canada, Ltd., 7 Fraser Ave., Trenton, Ont., Canada.
WALSH, JAMES J. (S'54-A'54-M'5B), Radio Engr., FM
Broadcasting Co., 245 Baldwin Rd., Hempstead, L.I.,
N.Y.

WALSH, JAMES L. (A'54), Dev. Engr., IBM, Pough-

keepsie, N.Y.
WALSH, JOHN B. (S'49-A'51-SM'58), Asst. Dir., Electronics Research Labs., Columbia Univ., New York 27, N.Y.

N.Y.
WALSH, JOHN E. (M'50), Project Mgr., Pickard & Bums, Inc., 240 Highland Ave., Newton Highlands, Mass.
WALSH, JOHN P. (S'57-M'57), Project Engr., USAF, Air Force Special Weapons Center, Kirtland AFB, Albuquerque, N.M.

WALSH, JOHN V. (A'48-M'55), Engrg. Dept. Head, Sperry Gymoscope Co.. Great Neck, L.I., N.Y. WALSH, JOSEPH J. (S'52-A'53-M'58), Project Engr., Raytheon Mfg. Co., Rte. 128, Burlington, Mass.

WALSH, JOSEPH P. (S'52-A'54-M'59), 112 W. George Mason Rd., Falls Church. Va.
WALSH, JOSEPH R., JR. (S'48-A'50-M'55), Engr., Research Engrg. Experiment Sta., Georgia Institute of Technology, Atlanta 13, Ga.
WALSH, LAWRENCE R. (A'54), Engrg. Supvr., Test Equipment, Hughes Aircraft Co., Box 11337, Tucson, Ariz. WALSH, LEO F. (A'57), Teaching & Research Asst., New York State College of Medicine, 766 Irving Ave., Syracuse, N.Y.

N.Y.

WALSH, LINCOLN (A'27-VA'39-SM'54), Chief Engr.,
Walsh Fnore Cn. 34 De Hart Pl.. Elizabeth 2. N.J.

WALSH, MILTON A. (M'58), Mgr., Tech. Group Exhibition
Hall, RCA. 40 W. 49 St., New York. N.Y.

WALSH, ROBERT J. (A'51-M'52-SM'58), Tube Design
Engr., Sylvania Elec. Prods., Inc., Emporium, Pa.

WALSH, ROBERT R. (S'4B-A'50-M'59), Electronics Engr.,
E.I. Du Pont de Nemours, Inc., Willmington 98, Del. &
Chief Engr., WJBR, Reynolds Broadcasting Co., 2617

Ebright Rd.. Wilmington 3. Del.

Ebriaht Rd., Willininaton 3. Del.

WALSH, WILLIAM J. (M'57), Engr., Thermo Electric Mfg.
Co... 465 Huff. Dubumus., Inwa
WALSH, WILLIAM P. (M'56), Weapons System Engr., Air
Defense Systems Integration Div., Hanscom Field, Mass.
WALSTON, ALLAN G. (S'54-M'56), Prod. Dev. Engr.,
RCA. 11819 W. Olympic Blvd., Los Angeles 64, Calif.
WALSTON, CLAUDE E. (S'50-A'53-SM'58), Div. Mgr.,
Systems Engra., Military Prods. Div., IBM. Kinaston. N.Y.
WALSTON, JOSEPH A. (A'59), Circuit Dev. Engr., Texas
Instruments, Inc., 13500 N. Central Expressway, Dallas,
Tex.

WALTER, CARLTON H. (S'48-A'51-M'56-SM'59), Asst. Prof., Elec. Engrg. Dept., Assoc. Supwr., The Antenna is the The Albin State Iniv. Columbus. Chin. WALTER, CHARLES A., JR. (S'48-A'52-M'57), Mgr., Applications Engrg., Granger Associates, 966 Commercial St., Palo Alto, Calif.

MALTER, CHARLES W. P. (A'47-SM'47), Dev. Engr., Bell Tel. Labs., Whitopany, N.J. WALTER, CHARLTON M. (M'57), Chief, Systems Simulation & Evaluation Sect., Air Force Cambridge Research Center, Bedford, Mass.

Bedford, Mass.

WALTER, CLINTON E., III (SM'58), Administrator, Field Service, RCA Service Co., Camden 8, N.J.

WALTER, DONALD R. (5'55-M'57), 226 S. Middle St., Cape Girardeau, Mo.

WALTER, EVERETT R. (A'55), USN, Home: Maples Trailer Ct., Lot 62, West Lafayette, Ind.

WALTER, GEORGE M. (M'53-SM'58), Project Engr., Bendix Radio, Towson 4, Md.

WALTER, GERALD W. (S'46-A'49-M'55), Sales Engr., Charles L. Ward Co., 3122 Roanoke Rd., Kansas City 8, Mo.

WALTER, GERHARD (S'50-A'53), Advisory Engr., IBM,

WALTER, GERHARD (S'50-A'53), Advisory Engr., IBM, YOKtown, N.Y.

Worktown, N.Y.

WALTER, J. C. (A'30-M'35-SM'43), Chief Engr., Communications Prods. Dett., RCA, Camden 2, N.J.

WALTER, JAMES M., JR. (S'54-M'56), Electronics Engr., Radiation, Inc., Box 37, Melbourne, Fla.

WALTER, JOHN H. (M'57), Engr.-Sales, Hyde Electronics Co., 888 S. Lipan, Denver 23, Colo.

WALTER, RALPH A. (S'54-A'55), Jr. Engr., Bendix Aviation Corp., Hwy. 35, Eatontown, N.J.

WALTER, RICHARD L. (SM'57), Sr. Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

WALTER, RICHARD T. (M'59), Design Engr., Southwestern Industrial Electronics Co., 10201 Westheimer Rd., Houston, Tex.

WALTER, ROBERT J. (A'56), Project Engr., Internat.

WALTER, ROBERT J. (A'56), Project Engr., Internati. Electronic Mfg., Inc., 7502 Wellesley Dr., College Park, Md.

WALTER, ROBERT K. (M'58), Staff Engr., IBM, Owego,

WALTER, RUBERT R. (M'56), Seail Algent, Electronics Engr., 6707 Inverness Dr., Springfield, Va.
WALTERS, WINSTON P. (A'59), Special Agent, Electronics Engr., 6707 Inverness Dr., Springfield, Va.
WALTERS, ALBERT R. (M'56), Project Engr., Motorola, Inc., 2710 N. Clybourn Ave., Chicago, III.
WALTERS, ARTHUR M. (S'49-4'51-M'56), Tech. Writer, Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif. WALTERS, CHARLES S. (A'57), Assoc. Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
WALTERS, CLAUDE C. (M'55), Mgr., Electronics Dept., Adleta Co., 1914 Cedar Springs, Dallas, Tex.
WALTERS, FRANCIS M., III (A'53-M'58), Engr., The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

WALTERS, GERALD E. (S'48-A'49), Project Engr., Stavid Engrq., Inc., Hwy. 22, Plainfield, N.J. WALTERS, GLENN A. (SM'58), V.P. Mgr., Electronics Systems Div., Dalmo Victor Co., 1515 Industrial Way, Belmont, Calif.

WALTERS, JAMES E. (S'56-M'59), 2826 Oneida St., Utica. N.Y.

WALTERS, JAMES H. (S'53-M'57), Sr. Prod. Engr., Sperry Electronic Tube Div., Municipal Airport, Gainesville,

Fla.

WALTERS, JOHN L. (M'58), Research Assoc., The Johns Hopkins Univ., Radiation Lab., 1315 St. Paul St., Baltimore 2, Md.

WALTERS, LE ROY, JR. (A'41-M'48), Applied Physics Lab., The Johns Honkins Univ., Silver Spring, Md.

WALTERS, LILLIE C. (SM'57), Mathematician, Natl. Bureau of Standards, Central Radio Propagation Labs., Boulder, Colo.

WALTERS, LOUIS G. (S'48-A'51-M'55), Mgr., Astro-dynamics Dept., Aeronutronic Systems, Inc., Ford Rd., Newport Beach, Calif.

WALTERS, PAUL M. (\$'53-A'54), Project Engr., Stewart-Warner Electronics, 1300 N. Kostner, Chicago 41, Illi.

41, III.

WALTERS, RICHARD L. (S'57-M'58), Elec. Engr.,
Convair. Pomona. Calif.

WALTERS, ROBERT F. (S'52-A'54), Mem. Tech. Staff,
The Ramo-Wooldridge Corp., 5500 W. El Segundo Bivd.
Los Angeles 45, Calif.

WALTERS, ROBERT J. (A'57), Radio Communications Sales Factory Rep., Motorola Communications & Electronics, Inc., 4545 W. Augusta Blvd., Chicago 21, III. WALTERS, STANLEY H. (SM'53), Eastern District Sales Mgr., Ling Electronics, Inc., 120 Cross St., Winchester, Mass.

WALTERS, WAYNE L. (S'55-M'56), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14. N.Y. WALTERS, WILLIAM H. (A'53-M'59), Research Physicist, Hughes Aircraft Co., Fullerton, Calif. WALTERS, WILLIAM R. (S'57-M'59), Elec. Engr., RCA, Camden, N.J.

Camden, N.J.

WALTERS, WILLIAM T. (S'50-A'52-M'57), Elec. Engr., RCA, Tuboscope Co., 5919 Holmes Rd., Houston I, Tex.

WALTHALL, W. C., JR. (M'58), Specialist, Tech. Assignment, GE Co., Utica, N.Y.

WALTHER, ALWIN (SM'53), Prof., Mathematics, Institut fur Praktische Mathematik, Technische Hochschule, (16), Darmstadf, Germany.

WALTHER, GEORGE P. (M'57), Chief Engr., FOD, Dept. of the Army, USAEPG, Electronic Warfare Dept., FOD, Ft. Huachuca, Ariz.

WALTHERS, GEORGE A. (A'53-M'58), Staff Engr.,

WALTHERS, GEORGE A. (A/S3-M/S8), Staff Engr., Collins Radio Co., Burbank, Calif.
WALTMAN, WILLIAM B. (S/57-M/S9), Instr., Elec. Engrg., Purdue Univ., Lafayette, Ind.
WALTMIRE, WICKLIFFE A. (A/S8), Engr., RCA, 11819
W. Olympic Blvd., Los Angeles 64, Calif.
WALTMER, CLARENCE, JR. (S/S4-M/S6), Electronics Engr., U.S., Naval Ordnance Lab., Corona, Calif.
WALTON, EDGAR D. (S/S4-M/S6), Research Engr., GMC, Research Staff, 30000 Mound Rd., Warren, Mich., RCM, RCM, WALTON, JOHN S. V. (A/S5), Marconi's Wireless Telegraph Co., Ltd., Marconi House, Chelmsford, Essex, England.
WALTON, KENNETH J. (SM/S4), Chief Engr., Tri-State Broadcasting Co., Inc., KTSM, KTSM-TV, 801 N. Oregon St., El Paso, Tex.
WALTON, PAUL E., JR. (A/S3), TV Engr., Michlana Teles.

St., El Paso, Tex.

WALTON, PAUL E., JR. (A'53), TV Engr., Michiana Telecasting Corp., Notre Dame, South Bend, Ind.

WALTON, WILLIAM T. (S'55-M'58), Instrumentation Engr., Univ. of Arkansas, Fayetteville, Ark.

WALTON, WILLIAM W., JR. (M'56), Operations Analyst, Operations Research Office, The Johns Knokins Univ., 6935 Arilnesora Chemistry, Chemistry, Md. (M'46), Project Chief, Consolidated Electrodynamics Corp., 360 N. Sierra Madre Villa, Pasadena, Calif.

Passagena, Cair.
WALTZ, FREDERICK M. (A'54), Sr. Engr., George L.
Nankervis Co., 15300 Fullerton, Detroit 27, Mich.
WALTZ, KARL E. (S'55-M'57), Box 922, Morro Bay,

WALTZ, MAYNARD C. (SM'56), Mem. Tech. Staff, Bell Tel. Labs., 555 Union Blvd., Allentown, Pa. WALTZ, WILLIAM R. (S'51-A'53-M'58), Elec. Engr., Vitro Corp. of America, 14000 Georgia Ave., Silver Spring, Md.

WALTZER, BERNARD (S'55-A'56), Engr., Sylvania Elec. Prods., Inc., Needham 94, Mass. WALUNAS, JOSEPH S. (S'55-M'56), Engr., RCA, Moores-town, N.J.

WALURAS, JOSEPH S. (S'55-M'56), Engr., RCA, Moorestown, N. J. J. Sept. No. 1, N. Y. Waly, ADNAN (M'57), Exec. V. P., Electronized Chemicals Corp., 846 Lefferts Ave., Brooklyn 3, N. Y. WALYLKO, JOSEPH J. (S'56-M'59), Design & Dev. Engr., RCA, Camden 2, N. J. WALZ, DENNIS A. (S'54-M'56), Electronics Engr., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif. WALZER, FREDERICK (M'57), Mgr., Quality Control, Tech. Prod. Div., Allen B. Dumont Labs., Inc., 760 Bloomfield Ave., Cliffon, N. J. WAMBOLD, ROBERT F. (M'49), Methods Engr., Control Instrument Co., 67 35 St., Brooklyn, N. Y. Field Maint. Dept., Northem Electric Co., Ltd., 250 Sydney, Belleville, Ont., Canada.

WAMBOLDT, GLBERT L. (M'55), Supwr., Field Maint. Dept., Northem Electric Co., Ltd., 250 Sydney, Belleville, Ont., Canada.

WAMBOLDT, HENRY (A'49-M'55), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.

Wright Air Development Center, Wright-Patterson AFB, Ohio.

WAMBSGANSS, BERNARD A. (S'46-A'49-M'55-SM'58), Mgr., Systems Dept., Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif.

WAMSLEY, DELOS H. (SM'49), Mgr., Semiconductor Engrg. & Materials Div., RCA, Rte. 202, Somerville, N.J.

WANBAUGH, WILLIAM C. (S'53-M'55), Design Engr., Bendix Aviation Corp., York, Pa.

WANCHOW, JOHN J., JR. (M'55), Design & Dev. Engr., RCA, Harrison, N.J.

WANE, WILLIAM M. (S'50-A'51), Dev. Engr., Morrow Radio Mfg. Co., Inc. 2794 Market, N.E., Salem, Ore.

WANG, AN (A'45-S'48-A'50-SM'52), Pres., Wang Labs., Inc., 37 Hurley St., Cambridge 41, Mass.

WANG, CHAO C. (A'43-SM'49-F'57), Dept. Head, Research, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

WNAG, CHIEN S. (A'40-M'55), Design Specialist, Martin Co., Box 179, Denver, Colo.

WANG, CHIA-CHUN (SM'58), Research Engr., Radiation, Inc., Airport, Melbourne, Fla.

WANG, CHIA-CHUN (SM'58), Research Engr., Ordnance

WANG, CHUN-CHUAN (A'52), Prof., Elec. Engr., Ordnance College, 3rd Sect., Sin Sun Rd. (S.), Taipeh, Taiwan, Formosa.

WANG, FLEUR BELLE (S'53-A'54-M'5B), Research Engr., Hughes Aircraft Co., Culver City, Calif. WANG, SHOU C. (M'56), Staff Mem., Lincoln Lab., MIT, Lexington 73, Mass.

WANG, SHYH (S'49-A'52-M'57), Engrg. Specialist, Semiconductor Div., Sylvania Elec. Prods., Inc., Woburn. Semio Mass

WANG, TSO (A'49). Engr., RCA, Camden 2. N J WANGLER, RAYMOND B. (M'57), Research Engr., South-west Research Institute, 8500 Culebra Rd., San Antonio, Tex.

1ex, WANK, PETER J. (S'58-M'59), Asst. Engr., Sperry Gyrosoope Co., Great Neck, L.I., N.Y. WANLASS, CRAVENS L. (S'49-A'51), Lab. Dir., Aeronutronic Systems, Inc., 2701 Halladay, Santa Ana, Calif. WANLASS, S., DEAN (S'44-A'53-M'58), Dir., Mktg., Aeronutronic Systems, Inc., Newport Beach, Calif.

WANLESS, CARL B. (M'58), Electronics Research Technician, Aerophysics Development Div., Box 689, Santa Barbara, Calif.

Darbara, Calif.

WANN, LAYMOND D. (A'54), Sr. Research Engr., Continental Oil Co., Ponca City, Okla.

WANNER, LOUIS R. (M'45), Chief Engr., Parts Div.,
Sylvania Elec. Prods., Inc., 12 2nd Ave., Warren, Pa.

WANNLUND, ARTHUR L., JR. (M'57), Dir., Device
Engre., Continental Device Corp., 12911 Cerise Ave.,
Hawthorne, Calif.

- WANSELOW, ROBERT D. (S'52-M'55), Sr. Microwave Engr., Bendix Aviation Corp., 11600 Sherman Way, North Hollywood, Calif.

 WANTTAJA, GLENN E. (A'53-M'59), Sr. Project Engr., Process Dev. Sect., GMC, Box 128, Detroit 2, Mich.

 WANTUCH, ERNEST (A'51-M'52), V.P. In-Chg. Engr., Airtron Div., Litton Industries, 200 E. Hanover Ave., Morris Plains, N.J.

 WANTY BYDON C. (SIS-A-MS2, MIST), SAME Eng., Booth

Morris Plains, N. J.

WANTY, BYRON G. (S'51-A'52-M'57), Staff Engr., Republic Aviation Corp., Farmingdale, L. I., N. Y.

WAPPLER, ALBERT C. (A'43), Self-employed, Box 18,

Whitestone 57, L. I., N. Y.

WARCHAIZER, EDWARDS S. (S'57-M'59), Radio Engr., Ark
Engrg. Co., 431 W. Tabor Rd., Philadelphia 41, Pa.

WARCZYNSKI, RAYMOND G. (M'58), Supvr., Component
Reliability Group, Kellogg Switchboard & Supply Co., 6000

W. 51 St., Chicago 3B, III.

WARD, ALAN A. (M'57), Sr. Electronics Engr., Sylvania Elec, Prods., Inc., 189 B St., Needham, Mass. WARD, ALBERT E. (M'4B-SM'57), Sr. Engr., Equipment & Systems Div., Raytheon Mfg. Co., Waltham, Mass. WARD, ALBERT G. (S'49-A'50-M'55-SM'56), Sr. Systems Engr., Panellit, Inc., 7401 N. Hamlin, Skokie, III.

III.
WARD, ANDREW G. (M'56), Test Methods Engr., Raytheon
Mfg. Co., Spring St., Dighton, Mass.
WARD, BENJAMIN (A'47-M'53), Sr. Staff Mem., Genl.
Precision Lab., Pleasantville, N.Y.
WARD, BERTRAND M., JR. (S'54-M'55), Electronics
Engr., Bendix Aviation Corp., 11600 Sherman Way,
North Hollywood, Calif.
WARD, BRICE I. 10 / A'55 Electronics

North Hollywood, Calif.

WARD, BRICE L., JR. (A'55), Electronics Technician, USN, Special Weapons Unit, NAS, Norfolk 31, Va.

WARD, CARL D., SR. (A'59), Tech. Writer, Western Electric Co., Winston-Salem, N.C.

WARD, CURTIS E. (M'47-SM'56), Engr., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

WARD, DAVID M. (A'42-M'55), Owner, Ward Associates, 2926 Balbus Ave., Snn Diegn 9 Calif.

WARD, DON D., JR. (M'56), Specialist, Reliability, Missile Detection Systems Sect., HMED., GE Co., Syracuse, N.Y.

WARD, DONALD B. (A'52), Genl. Mgr., Veega, Inc., Box 344, Ann Arbor, Mich.

WARD, DONALD L. (S'48-A'50-M'55), Sales Engr.,

WARD, DONALD L. (S'48-A'50-M'55), Sales Engr., Bivins & Caldwell, Inc., 1923 N. Main St., High Point, N.C.

N.C.
WARD, DONALD O. (A'51-M'56), Engr., Victoreen Instrument Co., 5B00 Hough Ave., Cleveland, Ohio.
WARD, EDMUND B. (M'56), Aerophysics Engr., Convair, Ft. Worth, Tex.,
WARD, ERIC B. (S'5B-M'59), 1550 San Pasqual St.,
Pasadena, Calif.

Pasadena, Calif.
WARD, HAROLD R. (S'53-A'54), Sr. Engr., Sylvania
Elec, Prods., Inc., Waltham, Mass.
WARD, HERBERT H., III (SM'57), Cmdr., USN, Office of
Naval Research, Branch Office London, Keysign House,
429 Oxford St., London W-1, England.

WARD, HERSCHEL T., JR. (S'49-A'50-M'55), Electronics Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.

Church, Va.
WARD, J. PAUL (S'55-M'5B), Electronic Scientist, USN
Electronics Lab., San Diego 52, Calif.
WARD, JAMES R. (S'55-M'5B), Electronics Systems
Officer, USAF, 9th Armament & Electronics Systems
Sqdn., Mountain Home AFB, Idaho.
WARD, JAMES W. (M'56), Research Asst., Univ. of Michigan Research Institute, 3500 E. Engineering, Ann Arbor,

Mich.

WARD, JOHN E. (A'52-M'57), Exec. Officer, Servomechanisms Lab., MiT, Cambridge 39, Mass.

WARD, JOHN H. R., III (A'55), Research Technician, MIT,
Lincoln Lab., Lexington 73, Mass.

WARD, JOHN S. (A'55), Sales Engr., Ground Communications Equipment, Collins Radio Co., 261 Madison Ave.,
New York 16, N.Y.

New York 10, N.Y.
WARD, JOHN W. (A'42-M'48-SM'57), Project Engr.,
Specialties, Inc., Box BBB, Charlottesville, Va.
WARD, JULIUS C. (A'52-M'56), Dept., Head, Environmental Testing, Genl., Precision Lab., Inc., Pleasantville,
N.Y.

N.Y.
WARD, LARRY D. (S'57-A'59), 639 N. Wabash Ave.,
Brewster. Ohio.
WARD, RAYMOND W. (S'55-M'59), 199 Church Rd.,
Winnetka, III.
WARD, RICHARD A. (M'46), Engrg. Supvr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
WARD, RICHARD H. (A'49), Broadcast Technician, WRGB,
1400 Balltown Rd., Schenectady, N.Y.
WARD, RICHARD L. (M'5B), Sr. Tech, Writer & Dir., Publications, Computer Control Co., Inc., 92 Broad St.,
Wellesley, Mass.
WARD, ROBERT B. (M'57), Sr. Dev. Engr., Sperry Gyro-

wellesiey, Mass.

WARD, ROBERT B. (M'57), Sr. Dev. Engr., Sperry Gyroscope Co., Sunnyvale, Calif.

WARD, ROBERT F. (A'45), Tech. Asst., Canadian Arsenals,
Ltd., Instrument & Radar Div., Warden Ave., Scarborough,
Ork., Canada.

WARD, ROBERT L. (M'56), Staff Engr., IBM, Spring St., Ossining, N.Y. WARD, ROY C. (S'52-A'53-M'5B), Mem. Tech. Staff, Space Technology Labs., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

WARD, SAMMEL I. (A'57), Pres., Crystal Research Labs., Inc., 29 Allyn St., Hartford 3, Conn. WARD, STANLEY A. (M'47), Exec. Engr., Bechtel Corp., 220 Bush St., San Francisco 4, Calif.

MANU, SIANLEY A. (M-4/), Exec, Engr., Beentel Corp., 220 Bush St., San Francisco 4, Calif.

WARD, THOMAS C. (A'57), Asst. Chief Engr., Kinetics Corp., 410 S. Cedros, Solano Beach, Calif.

WARD, VICKERS E., JR. (S'54-A'55), Purchasing Engr., Westinghouse Elec. Corp., Box 2025, Buffalo 5. N.Y.

WARD, WILLIAM C., JR. (S'51-M'57), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

WARD, WILLIAM E. (M'5B), Sr., Engr., Computer Control Co., Box 2005, Oxnard, Calif.

WARD, WILLIAM C. (S'56-M'5B), Field Engr., Tektronix, Inc., Portland, Ore.

WARD, WILLIAM S. (S'56-M'5B), Sr., Electronics Engr., Convair, Box 1011, Pomona, Calif.

WARD, WILLIAM W. (S'48-A'53-M'5B), Asso. Group Leader, Lincoln Lab., MIT, Lexington 73, Mass.

WARD, WOODROW P. (A'4B-M'55), Engr., Western Electric Co., 220 Church St., New York 13, N.Y.

WARDAK, HENRY (S'55-M'5B), Elec, Engr., Hughes Aircraft Co., Culver City, Calif.
WARDALE, ALAN H. (A'43-M'47), Engr., Amalgamated
Wireless Valve Co., Pty., Ltd., 348 Victoria Rd.,
Rydalmens, N.S. W., Australia.

WARDEIN, HAROLD E. (S'55-M'56), Customer Service Engr., Computer Engrg., Associates, 350 N., Halstead, Pasadena, Calif.

WARDEN, FREDERICK W. (M'54-SM'54), Chief Design Engr., Intelex Systems, Inc., 22 Thames St., New York

6, N.Y.

WARDER, JOHN C. (M'47), V.P., Canadian Algor, Ltd.,
13B Albert St., London, Ort., Canadian

WARDLE, WILLIAM F. (S'51-A'53-M'58), Electronics
Engr., USN Underwater Sound Lab., New London, Conn.

WARDLEIGH, GEORGER, (S'54-M'55), 950 23 St.,
Ogden, Utah.

WARDRIP, SCHUYLER C. (M'57), Electronic Scientist,
Naval Research Lab., Washington 25, D.C.

WARDWELL, HARRY W. (M'5B), Sr. Engr., Supvr., KENSTV, Ave. E & 4 St., San Antonio, Tex.

WARE, A. RADCLIFFE (S'56-M'5B), Elec. Engr., Clifton
Precision Prods. Co., Inc., Marple at Broadway, Clifton
Heights, Pa.

WARE, CHARLES H. (A'54), Flec. Engr., Acst. Cliv. of

Precision Prods. Co., Inc., Marple at Broadway, Clifton Heights, Pa.

WARE, CHARLES H. (A'54), Elec. Engrg. Asst., City of Los Angeles, Dept. of Water & Power, 405 S. Hill St., Los Angeles, Calif.

WARE, CLAY M. (M'57), Special Prods. Design Engr., GE Co., 416 E. 9 St., Owensboro, Ky.

WARE, DAVID H. (S'56-M'58), Electronics Engr., ITT Labs., Belleville, N.J.

WARE, DONALD R. (S'57-M'59), 10420 4 Ave., S.W., Seattle 66, Wash.

WARE, MENRY W., JR. (A'52-SM'56), Mem. Tech. Staff, Hughes Aircraft Co., 17 & Park, Tucson, Arlz.

WARE, J. LANE (SM'59), Chief, Electronics, Bendix Aviation Corp., Towson 4, Md.

WARE, JOHN F. (S'54-M'56), Electronics Engr., Transiton Electronics Corp., Wakefield, Mass.

WARE, L. A. (A'41-M'45-SM'46), Prof., Univ. of Iowa, Iowa City, Iowa.

WARE, MAXIMILIAN (M'46), Electronics Engr., Office of Chief Charle Control Control Control Chief Charle Charl

NACE, P. W. 41-M'4D-SM'46), Prof., Univ. of Iowa. Iowa City, Iowa

Md.
WARE, ROBERT S. (A'42), 6300 E. Halbert Rd., Bethesda 14, Md.
WARE, WILLIAM E. (M'59), Sales Engr., Minneapolis-Honeywell Regulator Co., 3345 W. Hunting Park Ave., Philadelphia 32, Pa.
WARE, WILLIS H. (A'43-SM'49), Asst. Dept. Head, Numerical Analysis Dept., Rand Corp., 1700 Main St., Santa Monica, Calif.

Santa Monica, Calif.

WARFIELD, JOHN N. (S'48-A'50-M'53-SM'59), Prof., Elec. Engrg., Univ. of Kansas, Lawrence, Kan.

WARGO, JULIAN J. (S'52-A'53-M'5B), Engr.-in-Chg., Sylvania Elec. Prods., Inc., Waltham 54, Mass.

WARGO, FETER (M'56), Mgr., Camera & Storage Tube Engrg., Power Tube Dept., GE Co., Schemectady 5, N.Y.

WARHOL, NICK (S'49-A'50-M'56), Engr., Geni Mills, Inc., Minneapolis 13, Minn.

WARHURST, JACK W. (M'57), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont, Anaheim, Calif.

WARHURST, RICHARD P. (A'5B), Mech. Designer, McC. Curdy, Radio Industries, Ltd., 22 Front St., W., Toronto, Ont., Canada.

WARIN. MAURICE P. (A'50), Expart des Matalone Maria

Curdy Radio Industries , Law., Extended Stations Unles , nont., Canada.

WARIN , MAURICE P. (A'50), Expert des Nations Unles , Ingenieur au Groupe Tubes Semiconducteurs , Centre National d'Etudes des Telecommunications , 3 Ave. de la Republique , ISSY-les-Moulineaux , Seine , France.

WARING , JOHN W. (A'51-M'56), Project Engr., Philco Corp., C & Tiopa Sts., Philadelphia 34, Pa.

WARMAN, NATHAN E. (A'58), Supvr., Electronics Shop , Geophysical Institute, Univ. of Alaska , College , Alaska , WARN , KEITH L. (M'58), Research Engr., No. Amer. Aviation , Los Angeles , Calif.

WARNE, CYERN J. (A'36-VA'39), Military Account Exec., Micro Switch Div., M.H.R. Co., 6620 Telegraph Rd., Los Angeles 22, Calif.

WARNECKE, ROBERT R. (SM'48-F'50), Dir., Dept. of

WARNECKE, ROBERT R. (SM'4B-F'50), Dir., Dept. of Electronics & Atomistics Research, Compagnie Generale de Telegraphie sans fil, B.P. 10, Orsay (Seine & Olse),

France.
WARNEK, ROBERT G. (M'5B), Chief, Long Distance Engro, Div., C. A. Nacional Telefonos de Venezuela, Apartado 1226, Caracas, Venezuela.
WARNER, ARTHUR H. (M'49-SM'54), Consulting Engr., 3321 Graybum Rd., Pasadena, Callif.
WARNER, ARTHUR W. (M'52-SM'56), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.
WARNER, BILLIE D. (S'56-M'5B), Research Engr., Univ. of New Mexico, Albuquerque, N.M.
WARNER, CHESTER J. (A'54), Chief Engr., Dayton Electronic Co.. 124 E. Main, Dayton, Tenn.
WARNER, DAVID B. (S'54-M'59), 157 Elwood St., Redwood City, Callif.
WARNER, DAVID L. (A'56), Owner, Dayton L. Warner

WARNER, DAYTON L. (A'56), Owner, Dayton L. Warner Co., B15 MacArthur St., Chicago Heights, III.
WARNER, DAYTON L. (A'56), Owner, Dayton L. Warner Co., B15 MacArthur St., Chicago Heights, III.
WARNER, DELBERT P. (A'53-M'58), Patent Counsel, Link Avlation, Inc., Hillcrest, Binghamton, N.Y.
WARNER, DOMALD E. (M'50-SM'52), Pres., Audiotronics Curp., 11057 Weddington St., Month Mollwoond, Calif.
WARNER, DOUGLAS F. (M'51), Sr. Engr., Capacitor Dept., GE Co., Irmo, S.C.
WARNER, EDWARD J. (S'49-A'52-SM'56), Pres., Spectre Electronics Corp., 250 E. 3rd St., Mount Vermon, N.Y.
WARNER EUGENER, R. (S'51-A'52-M'57), Capt., USAF, Elec. Engr. (Electronics), Tuslog, DET #8, APO 294, New York, N.Y.
WARNER EVANS H. (M'56), Supvy. Engr., The Bell Tel.

WARNER, EVANS H. (M'56), Supvg. Engr., The Bell Tel. Co. of Pennsylvania, 1329 Chestnut St., Philadelphia 7, Pa.

WARNER, F. NEAL (S'52-A'53-M'59), Chief, Servo Control Unit, Evans Signal Lab., Belmar, N.J.

WARNER, FRANK W. (S'56-M'59), Research & Dev. Engr., Sperry Electronic Tube Div., Gainesville, Fla.

WARNER, FREDERIC C. (M'53), Research Engr., Barden Corp., Park Ave., Danbury, Conn.

WARNER, GERALD L. (S'48-A'50-M'56), Sr. Electronics Engr., Raytheon Mig. Co., Bedford, Mass.

WARNER, GRAHAM A. (A'48-M'51), Dir., Electronic Industries, Ltd., 126 Grant St., South Melbourne, Vic., Australia.

WARNER, HAROLD (A'48-M'55), Physiological Sensing Engr., GE Co., MSVD., 3198 Chestnut St., Philadelphia,

Pa.

WARNER, HENRY K. (M'45), Sr. Instr., RCA, 350 W. 4
St., New York, N.Y.

WARNER, HERBERT M. (A'54), Pres., Warner Engrg.
Co., Inc., 239 Lornaine Ave., Upper Montclair, N.J.

WARNER, HOMER R. (A'58), Dir., Cardiovascular Lab.,
Latter Day Saints Hospital; Asst. Research Prof., Physiology, Univ. of Utah, Sait Lake City, Utah.

WARNER, HOMARD V. (A'45), Sr. Forg. Martin Co.

WARNER, HOWARD V. (A'45), Sr. Engr., Martin Co., Drawer M., Cocoa, Fla. WARNER, JACK (A'41-M'55), Sr. Research Officer, C.S.1.R., Radiophysics Lab., City Rd., Chippendale, N.S.W., Australia.

N.S.-W., Australia.

WANNER, JAMES H., III (A'55), Electronic Test Engrg.,
IBM, Poughkeepsie, N.Y.

WARNER, MURRAY (M'49), Electronics Engr., Rome Air

Development Center, ARDC, USAF, Griffiss AFB, N.Y.

Development Center, ARDC, USAF, Griffiss AFB, N.Y.
WARNER, RAYMOND M., JR. (SM'59), Mem. Tech. Staff,
Bell Tel. Labs., Murray Hill, N.J.
WARNER, RUSSELL D. (A'5B), Asst. Mgr., Humane Society
of Southwest Louislana, Box 710, Lake Charles, La.
WARNER, STANLEY D. (A'45), Sr. Research Engr., Magnetic Amplifiers & Dielectric Amplifiers, Convair, Pomona,
Calif.

Calit.

WARNER, SYDNEY E. (A'30-SM'47), Div. Chief Engr.,
Revere Corp. of America, Wallingford, Conn.

WARNER, THOMAS R. (A'51), Radio Engr., U. S. Independent Telephone Assn., 438 Feinsylvania Bldg.,
Washington 4, D.C.

Washington 4, D.C.
WARNER, WILFRED V. (A'49), 23 Duncan Lane, Halesite,
L.I., N.Y.
WARNICA, JAN H. (A'57), Instr., Radio College of Canada,
Toronto, Ont., Canada.
WARNICK, ALAN (A'4B-M'55), Supvr., Instrument Sect.,
Elec. Dept., Ford Motor Co., Scientific Lab., Dearhorn,
Mich.

WARNICK, GAYLORD E. (M'57), Applications Engr., Jer-rold Electronics Corp., 15 & Lehigh Ave., Philadelphia 32, Pa.

WARNICK, GEORGE H. (M'57), Sect. Head, The Norden Labs., 121 Westmoreland Ave., White Plains, N.Y. WARNICE, GEORGE F. (M'50), Pres., Radiation Electronics Corp., 8241 N. Kimball Ave., Skokle, III. WARNIKE, UWE JENS C. (M'56), Sr. Test Engr., Research Labs. Div., Bendix Avlation Corp., Box 5115, Detroit 35, Mich.

WARNOCK, HENRY P. (M'56), Liaison Officer, USAF/ EDSD, Dept. of Defence Production of Canada, 220 Church St., New York 13, N.Y. WARNOCK, REED L. (S'53-A'54-SM'5B), Electronic Scientist, Army Ordnance, RID, White Sands Missile Range, N.M.

Scientist, Army Ordnance, RID, White Sands Missile Range, N.M.

WARR, GEORGE D. (M'51), Supvg. Electronics Scientist, U. S. Naval Ordnance Test Sta., China Lake, Calif. WARR, GERALD H. (M'56), Transmitter Supvr., WNOK, WNOK-TV, 1B11 Main St., Columbia, S.C.

WARR, HENRY J. J. (M'56), Eng., E.M.I. Engrg. Development, Ltd., Feltham, Middx., England.

WARR, ROBERT E. (M'57), Project Engr., Advanced Electronics Center, GE Co., Ithaca, N.Y.

WARR, RUSSELL J. (M'52), Sr. Communications Technician, Hydro Electric Power Commission of Ontario, 340 Wellington St., London, Ont., Canada.

WARREN, BERNARD J. (M'59), Prod., Sales Mgr., Itek
Corp., 1605 Trapelo Rd., Waltham 54, Mass.

WARREN, CHARLES S. (S'51-A'53-M'5B), Class B Engr., Advanced Dev., RCA, Camden, N.J.

WARREN, CLAUDE E. (SM'51), Prof., Elec. Engrg., Ohio State Univ., Columbus 10, Ohio.

WARREN, CLEIFFORD A. (SM'47), Dir., Guided Missile Systems, Bell Tel. Labs., Whitppany, N.J.

WARREN, CREIGHTON S. (S'58-M'59), Trainee, Illinois Bell Tel. Co., Chicago, Ill.

WARREN, DAVID M. (S'57-M'5B), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

WARREN, DAVID M. (S'57-M'5B), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

WARREN, DAVID M. (S'57-M'59), Field Engr., GE Co., 100 Plastles Ave., Pittsfield, Mass.

Rock, Ark.

WARREN, DEWARD W., JR. (S'57-M'59), Field Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

WARREN, DONALD J. (S'57-M'57), Elec. Engr., IBM, Kingston, N.Y.

WARREN, F. G. ROSS (SM'52), Mgr., Systems Engrg., Defence Systems Div., RCA Victor Co., Ltd., 1050 Lacasse St., Montreal, P.Q., Canada.

WARREN, FLETCHER H. (M'56), Dir., Engrg. Div., Bureau of Aeronautics Rep., USN, Box 235; Buffalo 21, N.Y.

N.Y.

WARREN, GORDON D. R. (A'57), Communication Troubleman, B. C. Electric, Bidg. 2, Foot of Carrol & Keefer, Vancouver, B.C., Canada.

WARREN, HAROLD E. (A'51-M'56), Asst. Service Mgr., W. A. Ramsay, Ltd., Honolulu, Hawali.

WARREN, JAMES A. (S'54-M'56), Chief Elec. Engr., Kell-Strom Tool Co., Inc., 214 Church St., Wethersfield, Con.

WARREN, JAMES D. (M'55), Engrg. V.P., Dorsett Labs., Inc., 401 E. Boyd St., Norman, Okla.
WARREN, JAMES R. (A'54), Mem. Tech. Staff, Paolfic Semiconductors, Inc., 10451 W. Jefferson Bivd., Culver City, Calif.

City, Calif.

WARREN, JOHN E. (M'4B), Chief Systems Engr., Automation Research & Design Associates, 135 Main St., Believille 9, N.J.

WARREN, JOHN R. (S'57-M'5B), Electronics Engr., Convair, Pomona, Calif.

WARREN, KENNETH A. (A'55), Radar Engr., Electronics Div., HMED, OE Co., Syracuse, N.Y.

- WARREN, KENNETH A. J. (A'5B), Engr., Marconi Wireless Telegraph Co., Ltd., New St., Chelmsford, Essex, England.
- England.

 WARREN, LOUIS C. (A'51), Pres., Warren Radio Supply
 Co., Sioux Falts, S.D.

 WARREN, MEAD, JR. (A'42-M'55), Asst. District Power
 Mgr., Aluminum Co. of America, Box 12B, Alcoa, Tenn.

 WARREN, MILTON V. (A'50), Engr., R&A, Camden 2, N.J.

 WARREN, RALPH M. (A'49), Chief instr., Saunders Radio
 & Electronic School, 2B5 Huntington Ave., Boston, Mass. WARREN, RAYMOND A. (M'56), Elec. Engr., GE Co.,
- Syracuse, N. Y.

 WARREN, ROBERT E. (S'51-A'53-M'5B), Project Engr.,
 Cox & Stevens Electronic Scales Div., Revere Corp. of
 America, 845 N. Colony Rd., Wallingford, Conn.
- America, 845 N. Colony Rd., Wallingford, Conn. WARREN, RUSSELL E. (A'53), Prod. Mgr., Ferrites, Genl. Ceramics Corp., Keasbey, N.J. WARREN, S. REID, J.R. (SM'56), Prof., Elec. Engrg., Moore School of Elec. Engrg., Univ. of Pennsylvania, 220 S. 33 St., Philadelphia 4, Pa. WARREN, SETH D. (A'54), Systems Engr., American Bosch Arma Corp., Roosevelt Field, Mineola, L.I., N.Y. WARREN, WALTER B., JR. (M'56), Research Engr., Ceorgia Institute of Technology, Engrg. Experiment Sta., 225 North Ave., Atlanta, Ga. WARREN, WALTER L. (A'55), Elec. Engr., RCA, Moores-

- WARREN, WALTER L. (A'55), Elec. Engr., RCA, Moores-town, N.J.
- WARREN, WILLIAM B. (M'57), Head, Device Mechanics Sect., Hughes Prods. Dlv., Hughes Aircraft Co., Box 278, Newport Beach, Calif.
- Newport Deach, Calli.

 WARRICK, ALFRED C. (M'57-SM'58), Project Engr.,
 LMED, GE Co., Ulica, N.Y.

 WARRINER, BEN, IV (S'40-A'42-M'44-SM'50), Tech.
 Staff, Collins Radio Co., 1200 N. Alma Rd., Richardson,
 Tex.
- WARRINER, ROBERT R. (S'39-A'41-SM'57), Field Engr., Sprague Electric Co., Marshall St., North Adams, Mass. WARRING, STIGE. (M'55), Mem. Tech. Staff, Telefonaktiebolget, L. M., Ericsson, Stockholm 32, Sweden, WARRINGTON, WILMER, JR. (A'54), Service Rep., (Electronics), Lockheed Aircraft Corp., Factory B-1, Burbank, Calif.

- WARSHAUER, JOSEPH A. (S'54-M'58), 3544 Mentone, Los Angeles 34, Calif.
 WARSHAUER, WARREN J. (S'54-M'58), 41-40 Parsons Bivd., Flushing 55, L.1., N.Y.
 WARSHAW, CYRUS H. (S'47-A'48-M'55), Geni. Sales Mgr., Lansdale Tube Co. Div., Philico Corp., Church Rd., Lansdale, Pa.

- Rd., Lansdale, Pa.

 WARSHAW, HOWARD D. (M'55), Design Engr., Instrumentation, GE Co., Atomic Power Equipment Dept., 2151 S., 1st St., San Jose 12, Calif.

 WARSHAW, MICHAEL (A'51-M'55), Engr., Rand Corp., 1700 Main St., Santa Monica, Calif.

 WARSHAWSKY, JAY (M'54), Mgr., Instrumentation & Control Sect., American Machine & Foundry Co., 1104 S.

 Wabash Ave., Chicago 5, III.

 WARSHAWSKY, JOSEPH (S'50-A'51-M'58), Liaison Engr., 80eing Airolane Co., Renton, Wash.

 WARSHAWSKY, LEON M. (A'52-M'57), Chlef, Analog Computation Research Branch, Aeronautical Research Lab., Wright Air Development Center, Wright-Patterson AFB., Ohio.
- WARTELL, RALPH (S'58-M'58), Elec, Engr., Sperry Gy-roscope Co., Great Neck, L.I., N.Y. WARTER, PETER J., JR. (S'53-A'54), Box 242, Rocky HII, N.J.
- WARTES, LACY M. (A'5B), Coordinator of Communications, Mene Grande Oil Co., Caracas, Venezuela. WARUN, PAUL (S'5B-M'59), RCAF Sta., St. Sylvestre, P.Q., Canada.
- P. Q., Canada,
 WARWICK, JACK D. (A'48-M'55), Chief, Photo-Electronics
 Sect., USAF, Wright-Patterson AF8, Ohio.
 WARWICK, RONALD E. (A'58), Research Div., Philco Corp.,
 C. & Tioga Sts., Philadel phia 34, Pa
 WARZECHA, THEODORE D. (M'56), Sr. Electronics Engr.,
 Convair-Astronautics, San Diego, Calif.
- WASCHER, MICHAEL A. (S'54-A'56-M'58), 1st Class Technician, Sperry Rand Corp., Box 1828, Clearwater,
- Fla.

 WASEM, EDGAR F. (M'58), Mgr., Elec. Systems Group,
 Combustion Engrg., Inc., Windsor, Conn.

 WASHBURN, BEVERLY W. (S'48-A'50-M'55), Asst.
 Mgr., Data Analysis Dept., Space Technology Labs.,
 Box 95001, Los Angeles 45, Calif.

 WASHBURN, CARVER L. (M'59), Elec. Engr., ITT Labs.,
 Nutley 10, N.J.

- NUTLEY JU, N. J.

 WASHBURN, CLAYTON A. (A'44-M'55), Sr. Scientist,
 Genl, Precision Lab., Pleasantville, N.Y.

 WASHBURN, DAVID M. (M'57), Staff Asst., Advanced Dev.
 Dept., Alroome Systems Labs., Hughes Aircraft Co.,
 Culver City, Calif., 1988, 1989
- WASHBURN, FRED L., JR. (S'47-A'4B-M'54), Sr. Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
- WASHBURN, GEORGE W. (S'51-A'52-M'58), Microwave Engr., Westinghouse Elec. Corp., Horseheads, N.Y. WASHBURN, HENRY H. (M'58), Aircraft Armaments, Inc., Cockeysville, Md.
- WASHBURN, JAMES C. (M'57), TV Design Engr., Dominion Electrohome Industries, Ltd., Wellington, Kitchener, Ont., Canada,
- WASHBURN, RAYMOND P. (SM'56), 3434 N. 47 Pl., Phoenix, Ariz.
- Phoenix, Ariz,
 WASHBURN, WILLIAM M. (A'47), Electronics Technician,
 Humble Oil Refining Co., Box 2180, Houston 5, Tex,
 WASHBURNE, BRENTON P. (M'52), Project Mgr., Martin
 Co., Denver, Colo.
- WASHBURNE, J. RUSSELL, JR. (M'57), Staff Engr., IBM, Kingston, N.Y.
- IBM, Kingston, N.Y.
 WASHBURNE, JERRY W. (S'57-A'58), Publication Engr.,
 Sperry Utah Engro., Lab., Salt Lake City, Utah.
 WASHINGTON, HERMAN A. (S'58-M'59), Engr., Western
 Electric Co., 220 Church St., New York 13, N.Y.
 WASHINGTON, LAMAR, JR. (S'56-M'56), Industrial
 Lialson Officer, MIT, Cambridge 39, Mass.
 WASHINGTON, LEE P., JR. (A'55), Tech. Writer, Douglas
 Aircraft Co., Santa Monica, Calif.
 WASHINGTON, POBER TW. (M'5R), Elec. Engr., LMED
- WASHINGTON, ROBERT W. (M'5B), Elec. Engr., LMED,

- WASHKO, FRANK H. (S'4B-A'50-M'55), Test Engr., Jack & Heintz Precision Industries, Inc., Bedford, Ohio.
- WASHTON, ARTHUR A. (A'57), Engr., Execution, Inc., 47-23 Austell Pl., Long Island City, N.Y.
 WASIELEWSKI, STANLEY, JR. (S'55-M'57), Assoc. Engr., Lockheed Missiles & Space Div., Box 504, Sunnyvale, Calif.
- WASISKI, EDWARD B. (A'58), Systems Engr., RCA Service Co., Camden 8, N.J. WASKA, WILLIAME. (M'57), Instr., Southern Illinois Univ., Carbondale, III.
- Univ , Carbondale, III.

 WASKEWICZ , LAWRENCE R , (A'53), Engrg , Unit Leader, Receiving Tube Applications Engrg , RCA, Harrison, N. J.

 WASLEY, ROBERT L , (A'56), Sect, Head, Military Prods , Div., American Standard, 100 Morse St., Norwood, Mass , WASMANSDORFF, CARLTON (SM'56), V. P., Hoffman Labs ., 3761 S, HIII St., Los Angeles 7, Calif.

 WASMER, WILLIAM F , (A'57), Project Engr., Brubaker Electronics , Inc., 3652 Eastham Dr., Culver City, Calif. WASNEY, ALBERT (M'59), Engr., Hughes Alcraft Co., Culver City, Calif. WASSENEREG, JOHN F . (S'56-M'57), Care , II S. A. M.

- WASSENBERG, JOHN F. (S'56-M'57), Capt., U.S. Army, Radio Engr., U.S. Army Signal Corps, Home: R.D. 2, Waynesboro, Pa.

- Waynesboro, Pa.
 WASSER, NORMAN (M'52), Electronics Field Engr., Raytheon Mfg. Co., Oxnard, Calif.
 WASSER, NORMAN (M'52), Electronics Field Engr., Raytheon Mfg. Co., Oxnard, Calif.
 WASSERLEIN, HENRY G. (457), Pres., Wassco Electric Prods. Coro., 204 S. Larkin Ave., Jollet, Ill.
 WASSERMAN, ARNOLD (S'58-M'59), Elec. Engr., ITT Labs., Nutley 10, N. J.
 WASSERMAN, BERNARD (M'54-SM'59), Inertial Instrumentation Head, Precision Electronics, Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.
- WASSERMAN, FRED N. (S'57-A'5B), 34 Vanderbilt Dr., Lake Success, L.I., N.Y. WASSERMAN, JACK (S'48-A'50-M'55), Elec. Engr., Reeves Instrument Comp., Roosevelt Field, Garden City,
- WASSERMAN, JERRY (A'54), Electronics Sales Engr., S-J Sales Engrg. Co., 130 Lafayette St., New York 13, N.Y.

- N.Y. Sales String, Job., 150 Langter Str., Inter No. 15, N.Y. WASSERMAN, PHILIP D. (A'59), Research Engr., Kalbfell Electronix, 3434 Midway Dr., San Dlego, Callf. WASSERMAN, REUBEN (S'51-A'54), Tech. Staff, Digital Computer Systems, Hycon Eastern, Inc., 75 Cambridge Pkwy., Cambridge 42, Mass. WASSERMANN, CARL I. (M'59), Head, Engrg. Sect., Potter Instrument Co., Plainview, L.I., N.Y. WASSILAK, ERWIN J. (S'49-A'50-M'55), Dev. Engr., GE Co., Syracuse, N.Y. WASSINK, BERNARDUS J. (A'57), Electronics Technician, Measurement Engrg., Ltd., Amprior, Ont., Canada. WASSINK, HARRY W. (M'59), Physicist, Microwave Physics Sect., Radio Standards Lab., NAI. Bureau of Standards, Boulder, Colo. WASSON, HAROLD M. (A'53-M'57), Elec. Engr., RCA,
- WASSON, HAROLD M. (A'53-M'57), Elec. Engr., RCA, Bldg. 204-2, Camden, N.J.
 WASSON, IRVING (G'44-A'48-M'55), Engr., Reeves Instru-
- ment Corp., Mineola, L.I., N.Y.
 WASON, W. DANA (S'58-M'59), Asst. Prof., Elec.
 Engrg., Univ. of New Brunswick, Fredericton, N.B.,
 Canada.
- Canada.

 WASZKIEWICZ, LANGINE R. (M'59), Electronics Scientist, Rome Air Development Center, Griffiss AFB, N.Y.

 WATANABE, ALLEN S. (S'55-M'58), Chrysler Corp., Missile Operations, 16 Mile & Van Dyke, Warren, Mich.

 WATANABE, EAY (S'50-A'51-M'56), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 WATANABE, KINICHI (S'56-M'58), Assoc. Engr., Douglas Aircraft Co., Inc., Santa Monica, Calif.

 WATANABE, VASUSUI (S'M'57-E'59), Dean of Esculty on

- Aircraft Co., Inc., Santa Monica, Calif,
 WATANABE, YASUSHI (SM'57-F'59), Dean of Faculty on
 Engro., Tohoku Univ., Sendai, Japan.
 WATERFALL, FRANKLIN E. (M'47-SM'52), V.P., Crossley Associates, Inc., 4501 N. Ravenswood Ave., Chicago
 40, III.
- WATERFIELD, JOSEPH W. (S'55-M'57), Islay, Alta.,
- Canada.

 WATERMAN, ALAN T., JR. (S'51-A'53-SM'57), Assoc.
 Prof., Stanford Univ., Stanford, Calif.

 WATERMAN, ALEXANDER (S'56-A'57), Research Technician "A," Radioplane Co., 8ox 392, Holloman AF8,
 N.M.
- N.M.
 WATERMAN, ARNOLD (M'46), Project Engr., Pratt &
 Whitney Aircraft, 400 Main St., East Hartford 8, Conn.
 WATERMAN, HAROLD H. (M'57), Scientific Llaison Officer,
 Defence Research Board, Canadian Joint Staff, 2450 Massachusetts Ave., N.W., Washington, D.C.
- WATERMAN, HENRY B. (A'58), Engr., Northrop Alrcraft, Inc., Hawthorne, Calif.
 WATERMAN, HERBERT C. (A'45-M'55), Group Leader, Applied Research Dept., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, III.

- Applied Research Dept., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, II.

 WATERMAN, HERMAN 8. (M'54), Research Engr., Boeing Airplane Co., Seattle, Wash.

 WATERS, CO., Seattle, Wash.

 WATERS, DONALD M. (M'57), Physicist, Natl. Bureau of Standards, Boulder, Colo.

 WATERS, DONALD M. (M'57), Physicist, Natl. Bureau of Standards, Boulder, Colo.

 WATERS, CORGE B. (S'51-A'53-M'58), Elec. Engr., RCA, Camden, N.J.

 WATERS, HERBERT S. (M'59), Electronic Engr., GS-12, Picatinny Arsenal, Dover, N.J.

 WATERS, JAMES S. (A'28-VA'39-M'55), Chmn., Elec. Engr., Dept., Rice Institute, Box 1892, Houston 1, Tex.

 WATERS, JOHN A., JR. (A'52-M'58), Electronics Engr., Naval Ordnance Lab., White Oak, Silver Spring, Md.

 WATERS, JOHN I. (S'56-M'57), Engr., McDonnell Aircraft Copr., Lambert Airport, St. Louis 21, Md.

 WATERS, MORRIS L. (A'54), Group Leader, Digital Programming Group, Research and Advanced Dev. Div., Avco Mfg. Corp., 201 Lowell St., Wilmington, Mass.

 WATERS, RICHARD H., (S'51-A'52-M'58), Elec. Engr., Aeronca Mfg. Corp., Hilltop & Frederick Rds., Baltimore 28, Md.

 WATERS, ROBERT A. (M'44-SN'55), Pres., Waters Mfg.,

- 28, Md.
 WATERS, ROBERT A. (M'46-SM'55), Pres., Waters Mfg.,
 Inc., Boston Post Rd., Wayland, Mass.
 WATERS, WARREN P. (M'54-SM'58), Head, Device Dev.
 Dept., Hughes Prods. Semiconductor Div., 500 Superior
 Ave., Newport Beach, Calif.
- WATERS, WILFRED F. (M'49), Sr. Engr., Southwestern Bell Tel. Co., 30B S. Akard St., Dallas 2, Tex.

- WATERS, WILLIAM E. (M'55), Electronic Scientist, Dia-mond Ordnance Fuze Labs.. Washington 25, D.C. WATHEN, ROBERT L. (A'36-M'46), Engrg. Dept. Head for inventions Research, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- WATHEN-DUNN, WEIANT (SM'54), Chief, Information Compression Sect., Comm. Lab., Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.

- Research Center, Hanscom Field, Bedford, Mass.
 WATINE, MELVIN N. (A'46), Electronics Engr., U. S.
 Govt., FAA, Federal Bidg., New York Internati. Airport,
 Jamaica, L.I., N.Y.
 WATKEYS, DEAN E. (S'57-M'5B), Design Engr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.
 WATKINS, BRUCE 0., JR. (S'58-M'59), Lt., USAF,
 Project Engr., Rome Air Development Center, Griffiss AFB,
 N.Y.
- WATKINS, CLEVELAND F. (A'54), Electronic Scientist, Diamond Ordnance Fuze Labs., Washington 25, D.C. WATKINS, DAVID C. (S'56-M'58), Dev. Engr., Bell Tel. Labs., 3300 Lexington Rd., Winston-Salem, N.C. WATKINS, DAVID M. (A'54), Electronics Research, Central Scientific Co., 1700 W. Irving Park Rd., Chicago 13, III.
- WATKINS, DEAN A. (A'47-M'48-S'49-A'51-SM'55-F'5B), Prof., Elec. Engrg., Stanford Univ., Stanford, Calif.
- WATKINS, DONALD L. (S'55-M'57), Assoc. Engr., IBM,
- WATKINS, EDGAR L. (A'53-SM'56), Asst. Chief, Prod. Design, Convair, Pomona, Callf.
 WATKINS, FRANK T., JR. (S'56-M'59), Submarine Force Electronics Officer, Staff-Commander, U. S. Atlantic Fleet, Electronics Officer, New London, Conn.
- New London, John.

 WATKINS, GEORGE C., JR. (S'54-M'56), Electronic Engr., ITT Labs., 3700 E. Pontiac, Ft. Wayne, Ind.

 WATKINS, GEORGE F. (SM'5B), Chief, Electronics Components Lab., USAF, Wright Air Development Center, Wright-Patterson AFB, Ohlo.
- WATKINS, JAMES E. (A'54-M'56), Mgr., Tech. Informa-tion Center, North American Philips Co., Inc., 100 E. 42 St., New York 17, N.Y.
- WATKINS, JOSEPH S. (S'54-M'56), Dev. Engr., Sund-strand Turbo, 24BO W. 70 Ave., Denver 21, Colo.
- Strand Turbo, 2480 W. 70 Ave., Denver 21, Colo.
 WATKINS, KEITH E. (S'51-A'52-M'56), Instrument Engr.,
 GE Co., Schenectady, N.Y.
 WATKINS, KERMIT S. (A'54), Research Engr., Hycon
 Mfo. Co., 321 S. Arroyo, Pasadena, Calif.
 WATKINS, LOREN C., JR. (J'43-A'43-M'50-SM'52),
 Design Engr., Sandia Corp., Sandia Base, Albuquerque,
 N.M.

- N.M.
 WATKINS, OLAN E. (S'55-M'57) **Flectronics Design, Convair, Ft. Worth, Tex.
 WATKINS, PAUL E. (M'56), Electronics Engr., FAA, WIII Rogers Field, Oklahoma City, Okla.
 WATKINS, PHILLIP L. (A'54-M'5B), Supvy. Electronic Scientist, Naval Research Lab., Washington 25, D.C.
 WATKINS, RACINE I. (M'55), Chief Engr., KTSM-Radio, Tri-State Broadcasting Co., Inc., BO1 N. Oregon St., El Paso, Tex.
 WATKINS, ROBERT A. (***)
- EI Paso, Tex.

 WATKINS, ROBERT A. (\$M'5B), Sect. Mgr. Infrared,
 Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.
 WATKINS, VALTON D. (M'5b), Systems Electronics Engr.,
 Chance-Vought Aircraft, Inc., Dallas, Tex.
 WATKINS, WILLIAM H. (A'52-M'57), Production Engr.,
 Goodyear Aircraft Corp., Akron, Ohlo.
 WATKINSON, WILLIAM H. (M'47), Electronics Engr.,
 FCC, Washington 25, D.C.
 WATKINSON, FREDERICK (A'58), Lecturer, Liverpool
 Education Committee, 14 Sir Thomas St., Liverpool 2,
 England.

- WATKINSON, J. BARRY (M'56), Maint. Engr., Chronicle Publishing Co., DRON-TV, 929 Mission, San Francisco 3, Calif.
- WATLEY, ORLIN D. (S'53-M'56), Project Engr., Dale Prods., Inc., Box 136, Columbus, Neb. WATLINGTON, FRANK W. (A'45-M'57), Chief Electronics Engr., Navy Sofar Sta., Bermuda, APO 856, New York, N.Y.
- York, N.Y.

 WATROUS, DAVID S. (S'58-M'59), Communications
 Officer, USAF, Maimstrom AFB, Great Falls, Mont.

 WATSON, ALBERT R. (S'56-M'59), Engr., Bendix Computer Div., 2337 Shattuck Ave., Berkeley 9, Calif.

 WATSON, ARTHUR L. (M'55), Lab. Dir., McCollum Labs., Inc., 1025 S. Shepherd Dr., Houston, Tex.

 WATSON, BILLY (A'48), Officer Mathiasen's Tanker Industries, Inc., 319 Public Ledger Bidg., Philadelphia 6, Pa.

 WATSON, C. WILBILD (AIA) MISSON, C. WILBILD (AIA) MISS

- WATSON, C. WILBUR (A'41-M'55), Sta. Engr., RCA, Rocky Point, L.I., N.Y.
 WATSON, CLIFFORD D., JR. (S'53-A'54-M'59), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
- rex. WATSON, COURTLAND L. (S'52-A'55), Test Equipment Engr., Hughes Aircraft Co., Box 5555, Tucson, Ariz. WATSON, DAVID R. (S'57-M'59), Asst. Mgr., Metalsales & Engrg. Co., 2520 S. State St., Salt Lake City 15, Utah.
- WATSON, DONALD E. (A'52-M'58), Central Regional Mgr., Tele-Dynamics, Inc., 305 Washington St., S.E., Albuquerque, N.M.
- WATSON, DOUGLAS J. (M'54), Engr. Supvr., Apparatus Engrg., Northern Electric Co., Ltd., 1261 Shearer St., Montreal, P.Q., Canada.
- WATSON, EDWARD F. (M'45-SM'45), Consulting Engr., 152 Country Ridge Dr., Port Chester, N.Y. WATSON, FERDINAND M. (A'57), Coordination Specialist, RCA, Camden 2, N.J.

- RCA, Camden 2, N.J.

 WATSON, GEORGE A. (S'56-M'58), Avionics Lab. Test Engr., McDonnell Aircraft Corp., Lambert Municipal Airport, St. Louis, Mo.

 WATSON, GEORGE E. (A'58), Radio Techniclan, Tulsa Police Dept., 401 E. 4 St., Tulsa, Okla.

 WATSON, GEORGE G. (S'57-M'59), 690 S. Berendo St., Los Angeles 5, Calif.

 WATSON, GEORGE W. (S'48-A'50-M'58), Seismograph Party Chief, Carter Oil Co., Natl. Bank of Tulsa Bido., Tulsa, Okla.

 WATSON GORDON D. (S'41-A'44-CALES)
- WATSON, GORDON D. (\$'41-A'44-SM'58), Scientific Advisor to Chief of Genl. Staff, Ganadian Army, Defence Research Board, 125 Elgin St., Ottawa, Ont., Canada. WATSON, HARL (4'57), Elec. & Electronics Design Sect., Aerojet-Genl. Corp., Box 1947, Sacramento, Calif.

- 425 -WAT-WER

- WATSON, HERBERT M. (A'31-M'44), Consulting Communications Engr., Watson Communications Systems, Inc., 10533 San Pablo Ave., Richmond, Calif.
- 10533 San Pablo Ave., Krichmond, Jailf. WATSON, HUGH A. (M. '\$4), Engr., Bell Tel. Labs., 555 Union 8ivd., Allentown, Pa. WATSON, J. KENNETH (S'51-M'55), Asst. Prof., Elec. Engrg., Univ. of Oklahoma, Norman, Okla. WATSON, JACK M. (S'52-A'55), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
- ments, Inc., 6000 Lemmon Ave., Dalias 9, Lex.
 WATSON, JAMES E. (S'50-A'51-M'56), Asst. Program Mgr., Martin Co., Box 129, Denver 1, Colo.
 WATSON, JAMES E., (A'53), Radio & Radar Equipment Installation Instr., McClellan AFB, Calif.
 WATSON, JAMES F. (A'53-M'58), Maint. Engr.,
 Electronics Computers, WestInghouse Elec. Corp.,
 95 & Troost, Kansas City, Mo.

- 95 & Troost, Kansas City, Mo.
 WATSON, JAMES N. (M'57), Chief Engr., WFOR, 302
 Hembbill, Hattlesburg, Miss.
 WATSON, JAMES S. (A'55), Pres., Associated Instruments,
 inc., 2313 Brun St., Houston 19, Tex.
 WATSON, JOHN C. (M'57), Engr., The Bell Tel. Co.
 of Canada, Ltd., 1060 University Ave., Montreal 3,
 P.Q., Canada
 WATSON, JOHN C., JR. (S'54-M'56), Sub-Dept. Head,
 The Mitre Corp., Box 208, Lexington 73, Mass.
 WATSON, JOHN T. (S'53-A'55), 1st Lt., USAF
 PETRASCOL, PFTRAGRU, Box 1540, Lackland
 AFB, Tex.
- WATSON, KENNETH J. (M'59), Instr., Elec. Engrg. & Electronics, College of San Mateo, San Mateo, Calif.

- Calif.
 WATSON, LARRY C. (S'58-M'59), Engr., Texas Instruments, Inc., 6000 Lemon Ave., Dallas, Tex.
 WATSON, LEROY E. (A'56), Electronics Engr., Convair-Astonautics, San Diego 12, Calif.
 WATSON, PAUL C. (S'51-A'53-M'58), Engr., Baird-Atomic, Inc., 33 University Rd., Cambridge, Mass.
 WATSON, RICHARD D. (SM'55), Project Engr., Vitro Laboratories, 14000 Georgia Ave., Sirver Joring, Md. WATSON, RICHARD R. (A'51-M'58), Engr., Bristol Co., Waterbury 20, Conn.
 WATSON, ROBERT F. (A'53), Engr., Well Surveys,

- Co., Waterbury 20, Conn.
 WATSON, ROBERT E. (A'53), Engr., Well Surveys,
 Inc., Box 2656, Tulsa, Okla,
 WATSON, ROBERT H. (S'43-A'50-M'55-SM'55), Mgr.,
 Packaging Design, Lockheed Missiles & Space Div., 3251
 Hanover St., Palo Alto, Calif
- WATSON, ROBERT P. (M'45-SM'52), Consulting Engr., Transmitting Tubes, Power Tube Dept., GE Co., Schenec-tady, N.Y.
- tagy, N.Y.

 WATSON, ROGER D. (M'57), Electronics Engr., Bell Helicopter, Box 482, Ft. Worth, Tex.

 WATSON, RONALD F. (M'46), Supvr., Mackay Radio & Telegraph Co., Box 440, Brentwood, L.I., N.Y.

 WATSON, ROY D. (A'56), Instrumentation Technician, Pinellas Peninsula Plant, GE Co., Bryan Dairy Rd., St. Petersburg, Fla.

 WATSON BUESCE!
- WATSON, RUSSELL J. (M'54), Long Range Requirements, USAF Security Service, San Antonio, Tex.
- USAF Security Service, San Antonio, 1ex. WATSON, SAMUEL H. (SM'49), Mgr., Standardizing Div., RCA, Camden, N.J. WATSON, SIMEON E., JR. (S'53-A'55), Mgr., Electronic Systems Analysis, McDonnell Aircraft Corp., St. Louis 66, Mb.
- WATSON, THOMAS E. (M¹54), Group Engr., Martin Co., Baltimore 3. Md.
- Battimore 3, Mo. WATSON, WALTER, II (S'47-A'50-M'56), Elec. Engr., Bethelem Steel Co., Lackawanna, N.Y. WATSON, WILBUR H. (S'51-M'5B), Sr. Engr., Litton Industries, San Carlos, Calif.
- WATSON, WILLIAM C. (S'55-A'56), Transmission man. Long Lines Dept., AT&T Co., 32 Ave. of Americas, New York, 13, N.Y.
- N.Y.
 WATSON, WILLIAM E. (A'56), Genl, Sales Mgr., Kearfott
 Co., Main Ave., Clifton, N.J.
 WATSON, WILLIAM H. (A'54-M'58), Electronics Equipment
 Supvr., Special Tube Operations, Sylvania Elec. Prods., Inc.,
 1891 E. 3rd. St., Williamsport, Pa.
- 1891 E. 3rd. St., Williamsport, Pa.
 WATSON-WATT, SIR ROBERT (SM'46-F'47), Governing
 Dir.: Sir R. Watson-Watt & Partners, Ltd., Pres., Adalia,
 Inc., Adalia, Ltd., & Adalia Computations, Ltd., 12 Whitehall, London S.W. 1, England; 9 E. 40 St., New York, N.Y.;
 1410 Stanley St., Montreal, P.Q., Can.; Church Lane,
 Thombill, Ont., Can.
- Thombill, Ont., Can.
 WATSTEIN, JACK I. (M'53), Engr., Research, Rocketdyne
 Div., No. Amer. Aviation, Canoga Ave., Canoga Park, Calif.
 WATT, ARTHUR D. (SM'54), Electronic Scientist, Natl.
 Bureau of Standards, Boulder, Col.
 WATT, CHAUNCEY W., JR. (M'52-SM'55), Dir., Engro.
 Practices, Raytheon Mfo. Co., Waltham 54, Mass.
 WATT, CLAUDE M. (A'58), Value Analyst, Canadian GE Co.,
 Ltd., 830 Lansdowne Ave., Toronto, Ont., Canada
 WATT, EDWARD J. (M'57), Design Engr., RCA Electronics,
 Inc., 16799 Schoenborn St., Sepulveda, Calif.
 WATT, EVERETT M. (A'52). Electronics Engr., FAA, Muni-

- MATT, EVERETT M. (A'52), Electronics Engr., FAA, Municipal Airport, Kansas City 16. Mo.
 WATT, JAMES S. (SM'55), Research Specialist, Humble Oil
 & Refining Co., Box 2180, Houston, Tex.
 WATT, KEITH M. (A'56-M'58), Instr., Radio & Electronics,
 Provincial Institute of Technology & Art., Calgary, Alta.,
 Canada.
- WATT, RICHARD M., JR. (SM'58), Rear Admiral, Asst. to V.P. & Genl. Mgr., Kaiser Aircraft & Electronics, Div., 1924 Broadway, Oakland 12, Calif.
 WATTENBARGER, JOHN W. (S'54-M'56), Electronics Engr., Sierra Electronic Corp., 3885 Bohannon Dr., Menlo Park, Calif.

- WATTENBARGER, WILLIAM W. (A'58), Pres., Communications Inc., Box 3411, Tulsa 7, Okla.
 WATTERS, JOHN E. (SM'58), Dir., Surveillance Dept., U. S. Army Signal Research & Development Labs., Pt.
 Monmouth, N.J.
- Monmouth, N.J.

 WATTERS, NORMAN T. (M'58), Research Engr., Zenith
 Radio Corp., 6001 Dickens Ave., Chicago 39, Ill.

 WATTERS, ROBERT L. (S'40-A'42-M'55), Research Engr.,
 GE Co., Schenectady, N.Y.

 WATTON, ALAN, JR. (A'43-SM'46), Mem. Analysis & Evaluation Div., Propulsion Lab., Wright Air Development Center,
 Wright-Patterson AFB, Ohio.

 WATTS, CHESTER B., JR. (A'41-M'55), Radio Engr., Andrew Alford, Consulting Engr., 399 Atlantic Ave., Boston,

- WATTS, DONALD E. (A'27-VA'39-SM'46), Project Engr., GE Co., Syracuse, N.Y.
 WATTS, DONALD G. (S'55-M'57), 9 Woodkhorpe Rd.,
 Putney, London, S.W. 15, England.
 WATTS, DUANE E. (A'53), Dir., Mngt. Advisory Services,
 Price Waterhouse & Co., 56 Pine St., New York 5. N.Y.
 WATTS, EDWARD B. (A'56), Engr., American Bosch Arma
 Corp., Garden City, L.I., N.Y.
 WATTS, EDWARD W. 0M'52), Sales Mgr., Gertsch Prods.,
 Inc., 3211 S. LaCienega, Los Angeles, 16, Calif.
 WATTS, EUGENE R.V. (S'56-M'57), Design & Dev. Engr.,
 RCA, Camden, 2, N.J.
 WATTS, EOGREF R.V. (S'56-M'57), Design & Dev. Engr.,
 RCA, Camden, 2, N.J.

- WATTS, GEORGE J. (S'41-A'42), Lt. Col., USAF, Chief Programs Div., Hors, USAFE, DCS/Comm., APO 12, New York, N.Y.
- York, N.Y.
 WATTS, GERALD J. (S'55-M'57), Elec. Engr., ITT Labs.,
 Nutley 10, N. J.
 WATTS, HARRY T., JR. (A'55), Maj., USAF, Light Ground
 Equipment Supvr., 1222 Audubon Rd., Vincennes, Ind.
 WATTS, HENRY M. (A'44-SM'48), Dir., Engrg., Martin Co.,
 Orlando, Fla.
- Orlando, Fla.
 WATTS, JACK D. (S'56-M'59), 220 Merritt St., Ft. Worth
 14, Tex.
- 14, Tex.
 WATTS, JAMES M. (M'48), Radio Engr., Radio Propagation
 Physics Div., Central Radio Propagation Lab., Natl. Bureau
 of Standards, Boulder, Colo.

- Physics Div., Central Radio Propagation Lab., Natl. Bureau of Standards, Boulder, Colo.

 WATTS, PETER M. (S'51-A'54-M'59), Field Operations Engr., GE Co., Syracuse, N.Y.

 WATTS, RICHARD J. (A'46-SM'53), Staff Mem., Los Alamos Scientific Lab., Los Alamos, N.M.

 WATTS, ROBERT N. (S'57-M'58), Instrumentation Engr., USAF (ARDC), 3208 Test Group, Eglin AFB, Fla.

 WATTS, THOMAS D. (A'57), Service Mgr., P.M. Television, Ltd., Ley St., Ilford, Essex, England.

 WATTS, THOMAS O. (M'57), V.P. Mfg., The Hoover Co., Ltd., Hamilton, Ont., Canada.

 WATTS, THOMAS O. (M'57), V.P. Mfg., The Hoover Co., Ltd., Hamilton, Ont., Canada.

 WATTS, W. WALTER (A'53), Exec. V.P., Group RCA, 30 Rockefeller Plaza, New York 20, N.Y.

 WATTSOW, MAPPLY B. (A'41-SM'47), Project Engr., Bendix Aviation, Teterboro, N.J.

 Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 WAUD, E. C. (A'28-VA'39), Experimental Lab., 32 Edgemere Rd., Ff., Erie, Ont., Canada.

 WAUGH, GEORGE T. (A'46-M'46), Cathode-Ray Tube Engr., GE Co., Syracuse, N.Y.

 WAUGH, JAMES H., JR. (M'56), Sr. Engr., Texas Instruments), Inc., Box 31.2, Dallas 21, Tex.

 WAUGH, JOHN B. S. (M'56), Asst. Research Officer, Electropic of Canada, Ltd., Chalk River.

- WAUGH, JOHN B. S. (M'56), Asst. Research Officer, Electronics Branch, Atomic Energy of Canada, Ltd., Chalk River, Ont., Canada.

 WAUGH, JOHN R., JR. (M'54), Genl. Mgr., Terminal Operations, Terminales Maracaibo, C.A. Apartado 246, Maracaibo, Venezuela, S.A.
- WAUGH, RALPH E. (M¹54), Task Engr. (U.D.), USAF,Wright Air Development Center, WCLKT-5 WADC, Wright-Patterson AFB, Ohio.

- AFB, Ohio.

 WAX, NELSON (M'49), Prof., Univ. of Illinois, Elec. Engrg.
 Dept., Urbana, Ill.

 WAXLER, DANIEL (A'48-SM'54), Chief, Missile Electronics
 Sect., Picatinny Arsenal, Dover, N.J.

 WAXMAN, MILTON J. (M'56), Sr. Engr., Librascope, Inc.,
 808 Western Ave., Glendale, Calif.
- WAXMAN, RONALD (S'55-M'56), Assoc. Engr., IBM, Ossining, N.Y. WAY, GAROLD 8. (A'52-M'58), Sect. Chief, Special Prods., Autonetics Div., No. Amer. Aviation, Downey, Calif.
- WAYER, CHARLES F., JR. (A'42-M'55), Chief, Airways Flight Inspection Branch, FAA, Box 440, Anchorage, Alaska.
- WAYMAN, ROBERT L. (M'56), Staff Engr., IBM, Lexington,
- WAYMENT, KENNETH D., JR. (S'56-M'58), Flight Test Engr., Douglas Aircraft Co., 3000 Ocean Park 8lvd., Santa Monica, Calif.

- Santa Monica, Callf.
 WAYNE, CHARLES R. (A'47-M'52-SM'58), Mgr., Advance Engro. HMED, GE Co., Syracuse, N.Y.
 WAYNE, GEORGE H. (SM'56), Pres., Wayne-George Corp., 1117 Commonwealth Ave., Boston 15, Mass.
 WAYNE, HARRY A. (SM'57), Consulting Engr., Wayne Engro. Co., 4120 W. Greenwood, Skokle, Ill.
 WAYNE, JOHN W., Ill (S'49-A'51-M'57), Electronics Research & Developments Staff Officer, Directoriate of Intelligence, Hgrs. Strategic Air Command, Offutt AF8, Omaha 13. Neb.
- 13, Neb.
 WAYNE, WILLIAM C. (A'52-M'57), Elec. Research Engr.,
 The Baldwin Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.
 WAYNICK, ARTHUR H. (A'43-SM'46-F'57), Prof. & Head,
 Elec. Engrg. Dept., Dir., Jonosphere Research Lab., Pennsylvania State Univ., University Park, Pa.
 WAYT, HOWARD J. (S'56-M'58), Staff Asst. (Engrg.),
 Chesapeake & Potomac Telephone Co. of Maryland, 320 St.
 Paul P1., Baltimore 12, Md.

- Paul Pi., Baltimore 12, Md.

 WAZLO, CHARLES J. (A'45), Electronics Engr., Grotnes Machine, 5454 N. Wolcott, Chicago 40, Ill.

 WEAGANT, GEORGE A. (S'56-M'57), Sr. Engr., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.

 WEAGEL, KENNETH D. (A'48), Transmitter Engr., WXYZ-TV, Maccabees Bido., Detroit, Mich.

 WEAKS, KENT C. (M'58), Engrg. Asst., Collins Radio Co., 2700 W. Olive Ave., Burbank, Calif.

 WEAR, GLENN L. (A'54), Operating Engr., Falstaff Brewing Corp., San Jose, Calif.

 WEAR, MARES (S'41-A'44-M'55), Marine Service Engr.,

- Corp., San Jose, Calif.

 WEAR, JAMES (S'41-A'44-M'55), Marine Service Engr.,
 Sperry Groscope Co., 3807 W. 150 St., Cleveland, Ohio.

 WEARN, WILSON C. (A'48-M'58), Asst. to Pres., WMRC,
 Inc., Box 1140, Greenville, S.C.

 WEARS, LEWIS R. (A'53), Instrument Engr. Asst., The
 Johns Hopkins Univ., Anolied Physics Lab., Silver Spring,
 Md.
- Md.
 WEARTH, ARTHUR W. (M'45), Audio Communications, Inc.,
 1515 Baltimore, Kansas City, Mo.
 WEATHERALL, THOMAS Q. (M'56), Engr., Pacific Coast
 Broadcasting Corp., Pasadena, Calif.
 WEATHERBEE, WILLIAM H. (S'50-A'51-M'56), Project
 Engr., Raytheon Mfg. Co., Maynard, Mass.
 WEATHERFORD, A. VIRGIL (M'56), Sr. Engr., Litton
 Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 WEATHERFORD, R. V. (A'41), Pres., R. V. Weatherford
 Co., 6921 San Fernando Rd., Glendale 1, Calif.

- WEATHERHEAD, WAYNE R. (S'53-M'56), Project Engr., Support Activities-Ordnance Dept., GE Co., 100 Plastics Ave., Pittsfield, Mass.

- Ave., Pittsfield, Mass.

 WEATHERLOW, HOWARD R. (S'48-A'50-M'58), Design
 Engr., Genl. Dynamics Corp., Groton, Conn.

 WEATHERLY, MARVIN R. (M'58), Technician, Federal Electric Corp., Box 153, Anchorage, Alaska.

 WEATHERS, BERYL F. (A'59), Mgr. & Exec. Dir., American Engrg. Associates, 1028 Connecticut Ave., Washington, O.C.
- WEAVER, ALLAN (A'43-M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. WEAVER, BETTY M., (A'56), V.P., & Production Mgr., American Printed Circuits Co., 104 Forrest St., Metuchen, N.J.
- WEAVER, CHARLES (A'44-M'47), Lecturer, Dept. of Natural Philosophy, Royal College of Science & Technology, Glas-gow, Scotland.
- weaver, Charles E. (A'54), Engr., Western Electric Co., 5805 Greenleaf Rd., Cheverly, Md. WEAVER, CHARLES H. (S'57-A'58), 12 Consway St.,
- WEAVER, CHESTER E. (A'30-VA'39-SM'57), Sr. Research Engr., Harvey Aluminum, Inc., 19200 S. Western Ave.,
- Iornance, Calit.

 WEAVER, CLARENCE W. (A'45-M'54), District Sales Mgr., GE Co., 1514 Robinway Dr., Cincinnati 30, Ohio.

 WEAVER, DANIEL V. (S'57-M'59), Boston Univ., Men's Dorm., School of Theology, 745 Commonwealth Ave., Boston 15, Mass.
- WEAVER, DONALD K., JR. (S'48-A'51-M'56), Assoc. Prof., Montana State College, Bozeman, Mont. WEAVER, H. RAY (M'56), Communication Supvr., Minute Maid Corp.. Box 2711, 1200 W. Colonial, Orlando, Fli
- Mailo Corp., Box 2/11, 1200 W. Colonial, Oriando, Fla. WEAVER, JAMES L. (S'48-A'49-M'55), Engr., RCA, New Holland Ave., Lancaster, Pa. WEAVER, JOHN E. (A'51), Partner, Appliance & Television Sales & Service, Weaver & Thumma, 215 N. George St., Millersville, Pa.
- WEAVER, JOHN H. (S'50-A'50-M'56), Assembly Supt., Sperry Gyroscope of Canada, Ltd., 6011 Cote de Llesse, Montreal, P. Q., Canada.
 WEAVER, JOHN H. (S'49-A'50-M'56), Maint. Supt., Container Corp. of America, 6385 Cochran Rd., Solon, Ohlo.
- Ohlo.

 WEAVER, JOHN H. (M'57), V.P., Telecomputing Corp., 12838 Saticoy St., North Hollywood, Callf.

 WEAVER, RICHARD L. (M'58), Sales Engr., The I. E. Robinson Co., 7404 Westchester Pike, Upper Darby, Pa.

 WEAVER, SAM M. (M'58), 4439 Bonham, Dallas 29, Tex.

 WEAVER, SAMUEL E. (A'48-M'55), Suovr., Instrument Dept., Airborne Instruments Lab., Mineola, L.I., N.Y.

 WEAVER, THOMAS H. (A'52-M'58), Mgr., Design & Dev., Missiles & Optic Dept., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

- WEAVER, THOMAS H., JR. (M'54), Field Engr., RCA, Govt. Service Div., Camden, N.J. WEAVER, TOM S. (S'57-M'59), Engr., Westinghouse Elec. Corp., Baltimore, Md.
- WEAVER, TOM S. (S'57-M'59), Engr., Westinghouse Elec. Corp., Baltimore, Md.
 WEAVER, WALTER C. (S'55-M'58), Research and Dev. Electronics, USN, 3801 Nebraska Ave., Washington, D.C. WEAVER, WILLIAM A. L. (A'58), Engrg. Techniclan, Electronic Materiels International, Ltd., 342 Gladstone Ave., Ottawa, Ont., Canada.
 WEAVER, WILLIAM B. (A'48-M'52), Sr. Elec. Engr., Equipment Dev. Dept., Semiconductor Prods. Div., Motorola, Inc., 5005 E. McDowell, Phoenix, Artz.
 WEBB, A. LEONARD C. (A'32-VA'39), Mng. Dir., Rola Co. (Australia), Pty., Ltd., The Boulevard, Richmond, E. 1, Victoria, Australia.
 WEBB, ALAN E. (A'44), Sales Engr., Bendix Radio Div., 24616 Michigan Ave., Dearborn, Mich.
 WEBB, BOYCE S. (M'58), Crd., USN Retired, 1504 Deborah Ave., Falis Church, Va.
 WEBB, CARL E. (M'57), Project Engr., Electronics for Medicine, 17 S. Lexington Ave., White Plains, N.Y.
 WEBB, CREIGHTON A. (S'54-A'54), Sales Engr., Waugh Engrs. Co., 7842 Burnet Ave., White Plains, N.Y.
 WEBB, ALTON D., JR. (S'55-M'58), Research Engr., Natl. Aeronautics & Space Administration, Langley Research Center, Langley Field, Va.
 WEBB, DERIL T. (S'42-A'44-SM'51), Group Engr., Philico Corp., Tloga & C Sis. Philafalphia 34 Ps

- UENUR, Langley Field, Va.

 WEBB, DERIL T. (S'42-A'44-SM'51), Group Engr., Philco
 Corp., Tloga & C Sts., Philadelphia 34, Pa.

 WEBB, EARLE L. R. (M'48-SM'51), Sr. Research Officer,
 Radio & E. E. Div., Natl. Research Council, Ottawa 2,
 Ont., Canada.
- Office, Canada.

 WE 8B, EDWIN M. (A'48), Owner, Webb Recording Co.,
 55 W. Wacker Dr., Chicago 1, III.

 WEBB, EUGENE E. (S'42-A'43-M'50-SM'57), Sr. Design
 Engr., California Institute of Technology, 950 S. Raymond
 St., Pasadena, Calif.
- WEBS, GEORGE N. (S'41-A'44-M'52), Electronics Engr., The Johns Hopkins Hospital, Dept. of Medicine, Baltimore 12, Md.
- ine Johns Hopkins Hospital, Dept. of Medicine, Baltimore 12, Md.

 WEBB, HAROLD D. (A'43-M'45-SM'53), Assoc. Prof., Dept. of Elec. Engrg., Univ. of Illinios, Urbana, III.

 WEBB, HAYWOOD E., JR. (A'42-M'51), Electronic Scientist, Rome Air Development Center, Griffiss AFB. N. Y.

 WEBB, HENRY A. J. (A'39-M'46), Engr., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.

 WEBB, HENRY R. (M'58), Electronics Engr., Sturrup, Inc., 50 Silver St., Middletown, Conn.

 WEBB, HERBERT H. (M'57), Sect. Engr., Canadian Westinghouse Co., Ltd., Longwood St., Hamilton, Ont., Canada.

 WEBB, HERBERT J. (M'56), Assoc. Prof., Engrg., Gonzagia Univ., Spokane, Wash.; also consulting Engr.

 WEBB, HONER E. (S'42-A'52-M'57), Asst. Prof., Bucknell Univ., Lewisburg. Pa.

 WEBB, JAMES R. (S'48-A'51), Sr. Engr., Northrop Aircraft, Inc., Hawthorne Field, Hawthorne, Calif.

 WEBB, JOHN C. (A'48-M'55), Pres., Magnetic Core Corp., John & Lawrence Sts., Newburgh, N. Y.

 WEBB, JOHN K. (M'56), Elec. Engr., GE Co., Utica 2,

- WEBB, JOHN K. (M'56), Elec. Engr., GE Co., Utica 2, N. Y.
- WE88, JOHN O. (A'4B-M'57), Mem. Tech. Staff, Ground Systems Group, Hughes Alrcraft Co., Box 2097, Fullerton, Callf.
- WEB8, JOSEPH A. (S'49-A'51-M'56), Research Specialist, Lockheed Missiles & Space Div., Palo Alto, Calif.

- WEBB, LAWRENCE G. (M'59), 4020 Titanic Ave., El
- WEBB, MARTIN L. (M'5B), Assoc. Prof., Norwich Univ., Northfield, Vt.
- WEBB, PAUL L. (S'53-A'54), Head, Electronics Design Sect., U. S., Naval Gun Factory, Code 490, Washington 25, D. C.
- 25, D. C.
 WEBB, PAUL P. (M'59), Mem., Scientific Staff, RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P. Q., Canada, WEBB, PAUL R. W. (A'54), Flight Lt., Royal Canadian Air Force, Air Force Hors., Ottawa, Ont., Canada, WEBB, PEYTON S. (M'57), Engr., Bendix Aviation Pacific Div., 11600 Sherman Way, North Hollywood, Calif. WEBB, RICHARD C. (A'41-M'46-SM'56-F'5B), Pres., Colorado Research Corp., Broomfield, Colo. WEBB, RICHARD C. (A'42-M'55), Electronics Scientist, USAF, Holloman Air Development Center, N. M. WEBB, RICBERT B (S'54-A'55). Design Fing. PCA Camewer WEBB RICBERT B (S'54-A'55). Design Fing.

- WEBB, ROBERT B. (S'54-A'55), Design Engr., RCA, Camden 2, N. J.
- WEBB, ROBERT C. (A'59), 3613 Palm Ave., Manhattan Beach, Calif

- Beach, Calif.

 WEBB, ROBERT H. (A'46-M'55), Chief Engr., Sperry Prods. Co., Danbury, Conn.

 WEBB, ROBERT S. (M'55), Engr., Electronics Lab., GE Co., Syracuse, N. Y.

 WEBB, T. EDMUND (A'52-M'57), Technology Specialist, GE Co., Syracuse, N. Y.

 WEBB, VICTOR C. (S'57-M'5B), Design Engr., Convair, Ft. Worth, Tex.

- FI. Worth, Tex.

 WEBB, WILLIAM C. JR. (A'53), Electronics Engr., USAF, Wright-Patterson AFB, Ohio

 WEBB, WILLIAM J. (S'54-A'55), Electronics Engr., Otarion Listener Corp., Box 711, Ossinging, N. Y.

 WEBBER, ARTHUR F. (S'57-M'59), Electronics Engr., U.S.
 Naval Missile Center, Point Mugu, Calif.

 WEBBER, BRIAN O. (A'57), Telecommunications Technician, Canadian Aviation Electronics, 387 Sutherland Ave., Winnipeg, Man., Canada.
- WEBBER, FREDERICK G. (A'36-VA'39-SM'4B), Engrg. Administrator, Genl, Instrument Corp., c/o F.W. Sickles Div., Chlcopee, Mass.
- WEBBER, HUGH C. (A'57), 12693 Virgil, Detroit 23,
- MICO.
 WEBBER, HUGH E. (A'41-SM'50), Mgr., Ground Systems
 Engrg., Martin Co., Orlando, Fla.
 WEBBER, STANLEY E. (S'42-A'43-SM'49), Mgr., High
 Power Traveling Wave Tubes, Microwave Lab., GE Co.,
 601 California Ave., Palo Alto, Calif.
- WEBBER, WILLIAM B. (A'47-M'54), Tektronix, Inc., Box B31, Portland 7, Ore.
- WEBBER, CARL E. (A'44-M'45), Supvr., Project Engr., Crosley Div., Avco Mfg. Corp., 4890 Spring Grove, Cincinnati 32, Ohio
- WEBER, DANIEL J. (M'5B), Asst. Project Engr., Bendix Radio Div., Towson 4, Md.

- Radio DIV., Jowson 4, Md.
 WEBER, DAYIO W. (SM*55), Dept. Head, Collins Radio
 Co., Cedar Rapids, Iowa
 WEBER, DONALD C. (M*51), Airway Tech. Field Office
 Chief, FAA, Box 3276, Jacksonville, Fla.
 WEBER, DONALD R. (M*57), Flight Yest Instrumentation,
 Bendix Aviation Corp., 11600 Sherman Way, North Hollywood. Call for Corp., 11600 Sherman Way, North Holly-
- WEBER, EDWARD V. (S'51-A'54-M'5B), 721 Welty St.,
- WEBER, ERNST (M'41-SM'43-F'51), Pres., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N. Y. WEBER, FRANK J. (M'55), Engr., ITT Labs., Nutley 10,
- N. J.
 WEBER, FRANK V. (A'54), Electronics Research Technician,
 Hughes Aircraft Co., Culver City, Calif.
 WEBER, FRED A. (S'56-M'59), Engr., Sylvania Elec.
 Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N. Y.
 WEBER, GAYLE L. (A'55-M'56), TV Transmitter Engr.,
 Biscayne Television Corp., WCKT, North Bay Causeway,
 Milami Elevision Corp., WCKT, North Bay Causeway,

- Milami, Fla,
 WEBER, GENE P. (S'56-M'5B), Youngstown Sheet & Tube
 Co., East Chicago, Ind,
 WEBER, GEORGE, C. (A'4B), Mgr., Engrg., Landis & Gyr
 A, G., Gubelstrasse, Zug., Switzerland.
 WEBER, GEORGE J. (A'49-M'55), Sr., Engr., Litton Industries, Inc., 336 N. Foothill Rd., Beverly Hills, Calif.
 WEBER, GUSTAVE A. (A'56), Asst., Engr., Lab., Presto
 Recording Corp., Box, 500, Paramus, N. J.
 WEBER, HOWARD C. (S'49-A'51-M'5B), Design Engr.,
 RCA, Moorestown, N. J.
 WEBER, HYMAN J. (S'50-A'53-M'5B), Sect., Head. Clerule
 WEBER, HYMAN J. (S'50-A'53-M'5B), Sect., Head. Clerule

- RCA, Moorestown, N. J.
 WEBER, HYMAN J. (S'50-A'53-M'5B), Sect., Head, Circuit
 Dev., Santa Barbara Airport, Goleta, Calif.
 WEBER, IRWIN J. (S'53-A'55-M'56), Sr. Engr., W. L.
 Maxson Corp., 460 W. 34 St., New York 1, N. Y.
 WEBER, JAMES H. (SM'57), Branch Mør., J. T. HIII Co.,
 1682 Laurel, San Carlos, Calif.
- WEBER, JAMES D. (S'54-A'55), Aviation Electronics, Westinghouse Elec. Corp., Metuchen, N.J. WEBER, JOHN E. (S'56-M'59), Ouality Control Engr., Emerson Electric Co., 59 & Industrial, East St. Louis, III.
- WEBER, JOHN E. (A'54), Head, Radio Telemetering Unit, U.S. Naval Ordnance Test Sta., China Lake, Calif.
 WEBER, JOHN P., JR. (S'44-A'47-M'49), Sales Engr., Professional & Instrument Div., Bell & Howell Co., 7100 McCormick Rd., Chicago 45, III.
 WEBER, JOHN V. (S'55-M'57), Project Engr., Rome Air Development Center, Rome, N.Y.
 WEBER, JOHN W. (S'46-A'49-M'55), Mfg. Engr., AiResearch Mfg. Co., 7851 Sepulveda Blvd., Los Angeles 45, Calif.
 WEBER, JOSEPH (S'44-M'46-SM'52, E'59), Dec.

- Angeles 45, Calif.
 WEBER, JOSEPH (5'44-M'46-SM'53-F'58), Prof.,
 Elec. Engrg., Univ. of Maryland, College Park, Md.
 WEBER, JOSEPH H. (S'51-A'53-M'58), Mem. Tech. Staff,
 Bell Tel. Labs., 463 West St., New York 14, N.Y.
 WEBER, KENNETH C. (S'57-A'58), Box 328, Cold Spring,
 Minn.
- WEBER, LAURANCE A. (S'45-A'47-M'55), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14,
- N.Y.
 WEBER, LEONARD J. (M'56), Asst. Prof., Elec. Engrg.,
 Oregon State College, Dearborn Hall, Corvafils, Ore.
 WEBER, LOUIS C. (A'51-M'57), Sr. Engr., Philco Corp.,
 3875 Fabian Way, Palo Alto, Calif.
 WEBER, LUTHER J. (A'47-SM'47), Asst. Chief Elec.
 Engr., Oak Mfg. Co., 1260 Clybourn Ave., Chicago 10, III.

- WEBER, MARVIN E. (A'49-M'55), Research Engr., Air Force Missile Development Center, Box 1261, Alamogo N.M.
- WEBER, MAX (M'49-SM'54), Tech. Writer, Sandia Corp., Sandia Base, Albuquerque, N.M. WEBER, PAUL J. (A'51-M'56), Mktg. Mgr., Instru-mentation Div., Ampex Corp., B60 Charter St., Redwood City, Calif.

- WEBER, RALPH L. (M'56), Electronics Engr., Hughes Aircraft Co., Culver City, Calif. WEBER, RALPH L. (SM'5B), Exec. V.P., Johnson Electron-ics, Inc., Box 1675, Casselberry, Fla. WEBER, RENNIE L. (A'2B-VA'39), Elec. Engr., Magnavox Research Labs., 2255 S. Carmelina Ave., Los Angeles 64, Calif.
- WEBER, ROBERT A. (S'55-M'57), Lt., USAF, Communica-tions Officer, Ground Radio, Little Rock AFB, Ark. WEBER, ROBERT G. (S'49-A'50), Sr. Dev. Engr., Aero-nautical Div., Minneapolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis, Minn.
- Riogeway Ro., Minneapolis, Minn.
 WEBER, ROBERT L. (5'50-A'51-M'57), Engr., Sperty
 Gyroscope Co., Great Neck, L.I., N.Y.
 WEBER, ROBERT M. (5'52-A'53), Tech. Asst.,
 Bell Tel. Labs., Whippany, N.J.
 WEBER, ROGER L. (M'57), Sr. Applications Engr., Texas
 Instruments, Inc., 135.00 N. Central Expressway, Dallas
 21, Tex., Warwick Mfg. Corp., 7300 N. Lehigh, Chicago,
- III.
 WEBER, SAMUEL (M'5B), Assoc. Editor, Electronics
 Magazine, 330 W. 42 St., New York 36, N.Y.
 WEBER, STANLEY E. (4'49-M'55), Electronic Scientist,
 Wright Air Development Center, Wright-Patterson AFB, Dhio.

- Wright Air Development Center, Wright-Patterson AFB, Dhio. WEBER, VERNON F. (5'4-A'55), Mem. Tech. Staff, Genl. Telephone Labs., Inc., North Lake, Ill. WEBER, WALTER H. (A'44-M'53), Engr., Los Alamos Scientific Lab., Los Alamos, N.M. WEBER, WALTER R. (5'4B-A'50-M'56), Sr. Design Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif. WEBER, WILLARD N. (SM'56), Chief Engr., Traveling Wave Tubes, Components Div., IT&T Corp., 100 Kingsland Rd., Clifton, N.J.
- land Rd., Cifton, N.J.

 WEBER, WILLIAM J., JR. (A'50-M'5B), Operations Analyst, Bureau of Research & Development, FAA, Washingto 25, D.C.

 WEBERG, KENNETH H. (S'54-M'56), Engr., Argonne Natl. Lab., Box 299, Lemont, III.

 WEBNER, RICHARD D. (M'57), Repair Foreman, Ohio Bell Tel. Co., 750 Huron Rd., Cleveland 15, Ohio.

 WEBSTER, ALEXANDER (M'59), Intermediate Engr., E.M.I. Electronics, Ltd., Feltham, Middx., England.

 WEBSTER, ARTHUR L. H. (A'54), Lt., USAF, Engrg. Staff, FAA, Hanscom Field, Bedford, Mass.

 WEBSTER, CHARLES G. (S'43-A'45-M'55) Systems
- FAA, Hanscom Field, Bedford, Mass.
 WEBSTER, CHARLES G. (S'43-A'45-M'55), Systems
 Planning Engr., Canadian Natl. Telegraphs, 151 From
 St., W., Toronto, Ont., Canada.
 WEBSTER, DAVID J. (A'56), Electronics Technician, Dept.
 of Natl. Defence (Air), Lincoln Park, Alta., Canada.
 WEBSTER, EDWARD (A'47-M'56), Electronics Engr., Dept.
 of the Navy, Bureau of Aeronautics, Washington 25, D.C.
- WEBSTER, EDWARD M. (A'30-M'38-SM'43-F'44), Telecommunication Consultant, 9518 E. Stanhope Rd., Kensington, Md.
- Kensington, Md.
 WEBSTER, FREDERIC A. (A'52), Research Engr., (Special
 Computer Design), 62 Coolidge Ave., Cambridge 38, Mass.
 WEBSTER, FULLERTON D. (M'3B-SM'43), District
 Engr., Mackay Radio & Telegraph Co., Inc., 67 Broad
 St., New York 4, N.Y.
- St., New York 4, N.Y.

 WEBSTER, GEOFFREY H. (S'58-M'59), Engr., Philoo Corp., C & Tioga Sts., Philadelphia, Pa.

 WEBSTER, GEORGE C. (A'53-M'5B), Mem. Tech. Staff, Hughes Aircraft Co., Fullerion, Calif.

 WEBSTER, GORDON J. (S'53-M'56), Systems Study Engr., Detroit Edison Co., 2000 2nd St., Detroit 3B, Mich.
- WEBSTER, HAROLD F. (SM'5B), Research Lab., GE Co.,
- WEBSTER, JAMES J. (S'56-M'5B), Dev. Engr., IBM,
 Date of Devense of
- Poughkeepsle, N.Y.
 WEBSTER, JAY E. (S'55-M'59), Electronics Engr.,
 Link Aviation, Inc., Binghamton, N.Y.
 WEBSTER, KENNETH R. (S'53-A'54), Project Engr.,
 Natl. Cash Register, 1401 E. El Segundo Blvd., Hawthome, Calif.
- WEBSTER, MICHAEL B. (S'55-M'5B), 1st. Lt., USMC, Electronics Scientist, Naval Research Lab., Code 7139, Washington 25, D.C.

- Washington 25, D.C.
 WEBSTER, RAYMOND G. (SM'57), Chief Standards, US
 AEPG, Ft. Huachuca, Ariz.
 WEBSTER, ROBERT E. (a'53-M'5B), Sr. Engr., No.
 Amer. Avlation, E. 5 Ave., Columbus 16, Ohio.
 WEBSTER, ROGER R. (SM'54), Sr. Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.
 WEBSTER, STANLEY K. (M'51), Sect. Chief, Communications & Navigation Engrg., Magnavox Co., Bueter Rd., Ft.
 Wayne, Ind.
- WEBSTER, WARREN G. (A'35-M'38-SM'43), Engr., Chg. of Testing Lab., Genl. Radio Co., 275 Massa-chusetts Ave., Cambridge 39, Mass.

- WEBSTER, WILLIAM M., JR. (A'4B-SM'54), Mgr., Advanced Dev., RCA, Somerville, N.J.
 WECHSLER, LAWRENCE D. (S'53-M'56), Electronics Engr., GE Co., Syracuse, N.Y.
 WECKLER, GENE P. (S'56-M'59), Electronics Engr., Schockley Transistor Corp., Stanford Industrial Park, Palo Alto 2, Claif.

- Palo Alto 2, Claif.

 WECKWERTH, HAVEN A. (S'48-A'50-M'55) Project Engr.,
 Gibbs Mfg. & Research Corp., Janesville, Wis.

 WEDEKIND, DONALD E. (A'52-M'54), Engr., American Bosch
 Arma Corn., Garden City, L.I., N.Y.

 WEDEL, EDWIN L. (A'54), Sr. Engr., Space Corp., Box
 5175, Dallas, Tex.

 WEDEL, JOHN J., JR. (S'42-A'45-M'47), Engrg. Group
 Supvr., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.

 WEDEL, JOHN O., JR. (A'56), Sr. Engr., Electronics Communications, Inc., 1830 York Rd., Timonium, Md.

 WEDEN, CHARLES V., JR. (A'50-M'54), Prod. Engr.,
 Machlett Labs., Inc., Springdale, Conn.

- WEDGEWOOD, ROBERT S. (S'53-M'55), Engr., Fisher & Porter, Canada, Ltd., 2700 Jane St., Toronto 15, Ont., Canada.

- Porter, Canada, Ltd., 2700 Jane St., Toronto 15, Ont., Canada.

 WEDIG, FRANK L., JR. (A'36-M'44-SM'52), Asst. Supvr., Air Traffic Control Engro. Group, Crosley Div., Avco Mfg. Co., 1329 Arlington St., Cincinnati 25, Ohio.

 WEDIN, ARVID G. (SM'47), Research Physicist, Hughes Aircraft Co., Culver City, Calif.

 WEEBER, ROBERT E. (S'47-A'50-M'57), Sr. Engr., Kaiser Aircraft & Electronics Corp., Box 437, Toledo 1, Ohio.

 WEED, ALFRED C., JR. (M'50), Consulting Radio Engr., Box B2B3, Fernandez Juncos Sta., Santurce, Puerto Rico.

 WEED, GERALD E. (S'56-M'5B), Test Equipment Engr., Hughes Aircraft Co., Culver City, Calif.

 WEED, HERMAN R. (SM'57), Assoc. Prof., Elec. Engrg., Ohio State Univ., Columbus 10, Ohio.

 WEED, MERALD R. (A'57), Team 156, 343 Fighter Group, AD, Municipal Airport, Duluth, Minn.

 WEED, NGMAN M. (M'50), Sect. Head (Instrumentation), Electronics Defense Lab., (Sylvania), 123 Whisman Rd., Montain View, Calif.

 WEEDFALL, RICHARD W. (M'5B), Elec. Engr., Collins Radio
- WEEDFALL, RICHARD W. (M'5B), Elec. Engr., Collins Radio
- Co., Richardson, Tex.
 WEEDMAN, WALTER F. (A'43-M'49-SM'55), Electronics
 Scientist: Naval Research Lab., Washinoton 25.D.C.
 WEEDON, GARTH F.C. (5'46-A'49), Sales Engr., Canadian
 Motorola Electronics, Ltd., 105 Bartley Dr., Toronto 15,
 Ont., Canada.
 WEEG, GERARD P. (M'57), Assoc. Prof., Mathematics, Elec.
 Engro. & Computer Lab., Michigan State Univ., East Lansing,
 Mich.
- WEEKES, BARRET B. 0M'55), Electronics Engr., Beckman Systems Div., 325 Muller Ave., Anaheim, Calif. WEEKS, ALLEN D. (A'48-M'54), Research Engr., Jet Pro-pulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena 3, Calif.

- pulsion Lab., California Institute of Technology, 4B00 Oak Grove Dr., Pasadena 3, Callif.

 WEKKS, GILBERT E. (A'37-VA'39-M'55), Engr., Bell Tel. Labs., Whilppany, N. J.

 WEEKS, JOHN T. (A'56), Tech. Writer, CBS Labs., 227 High Ridge Rd., Stamford, Conn.

 WEEKS, PAUL T. (A'19-M'28-SM'43-F'54)(L), Staff Engr., Raytheon Mfg. Co., Newton, Mass.

 WEEKS, RAY (S'47-M'49-SM'56), Elec. Engr., Collins Radio Co., Cedar Rapids, Iowa.

 WEEKS, RCHARD M. (M'59), Research Physicist, Richard D. Brew & Co., Inc., Concord, N. H.

 WEEKS, RICHARD M. (M'53), Asst. Supvr., & Engr., Radio Sta. WRR & Police Radio, Fair Park, Dallas. Tex.

 WEEKS, RICHARD W. (M'55), Asst. Prof., San Jose State College, San Jose, Callif.

 WEEKS, ROBERT L. (S'52-A'53-M'58), Dev. Engrg. Mgr., Lenkurt Electric Co., Ltd., 7018 Lougheed Hwy., North Burnaby, Vancouver, B.C., Canada.

 WEEKS, WALTER L. (A'54), Assoc. Prof., Elec. Engrg. Univ. of Illinois, Urbana, Ill.

 WEEKS, WILLIAM A., JR. (M'47), Asst. Dir., Communications, Continental Air Lines, Inc., Stapleton Airfield, Box 9063, Denver, 16, Colo.

 WEEMS, CHARLES M., JR. (M'47), Asst. Dir., Communications, Continental Air Lines, Inc., Stapleton Airfield, Box 9063, Denver, 16, Colo.

 WEEMS, NATHANIEL T., JR. (M'47), Elec. Engr., GE Co., Box 1807, Box 11808, St. Petersburg., File.

- WEEMS, NATHANIEL T., JR. (M'57), Elec. Engr., GE Co., Box 11508, St. Petersburg, Fla. WEEMS, SAMUEL (S'53-A'55), Research Engr., Radioplane Co., 8000 Woodley Ave., Van Nuys, Calif. WEERSING, NORMAN O. (A'57), Sales Engr., Land-C-Air Sales Co., 140 Marbledale Rd., Tuckahoe, N.Y.

- WEEKSING, NORMAN O. (4:57), Sales Engr., Land-C-Air Sales Co., 140 Marbledale Rd., Tuckahoe, N.Y.

 WEETON, WALTER E. (S'52-A'53), Applications Engr., RCA, 64 "A" St., Needham, Mass.

 WEGE, HARRY R. (SM'53), Genl. Mgr., Missile & Surface Radar Div., RCA, Moorestown, N.J.

 WEGENER, ARTHUR F. (M'55), Sr. Dev. Engr., Machlett Labs., Inc., 1063 Hope St., Springdale, Conn.

 WEGENER, JOHN S. (A'58), Dev. Engr., Westinghouse Elec. Corp., Box 2025, Buffalo S, N.Y.

 WEGER, RICHARD E. (S'58-M'58) 59 S. Morrison Ave., San Jose, Calif.

 WEGLIN, ROLF D. (S'52-A'55-SM'5B), Mem. Tech. Staff, Hughes Research Labs., Malibu, Calif.

 WEGMAN, RALPH S. (SM'55), Project Engr., Atlas Program Space Technology Labs., Ramo-Wooldridge Corp., 5760

 Arbor Vitae, Los Angeles 45, Calif.

 WEGMAN, RICHARD L. (S'54-M'57), Elec. Engr., Remington Rand Univae, Holloman AFB, N.M.

 WEGSTEIN, JOSEPH H. (A'53-M'58), Physicist (Computer Analyst-Programmen), Natl. Bureau of Standards, Washington, D.C.

 D.C.
- D.C.
 WEGWERT, JOSEPH (M'56), Elec. Engr., Admiral Corp.,
 3B00 W. Cortland, Chicago, III.
 WEHBE, AMIN A. (S'55-A'57), Field Engr., Electrodata Div.,
 Burroughs Corp., 1739 H St., N.W., Washington 6, D.C.
 WEHLANDER, ERLING O. (M'58), USAF Officer, USAF,
 B339 Pine St., Fairchild AFB, Wash,
 WEHNER, GILBERT L. (A'48-M'55), Electronics Engr.,
 Communication & Navigation Lab., Hgrs., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- WEHNER, GOTTFRIED K. (M'51), Physicist, General Mills Mech. Div., 2003 E. Hennepin Ave., Minneapolis, Minn. WEHNER, JDHN H. (A 49-M'55), Engr.-Alde, Allen B. Dumont Labs., Inc., 172 Bogert St., Totowa Boro, N.J. WEHNER, R. S. (M'47), Consulting Physicist, Hughes Air-craft Co., Culver City, Calif.

- craft Co., Culver City, Calif.
 WEHOF, HUBERT (M'56), Supvg. Engr., Dlehl Mfg. Co.,
 Finderne Ave., Somerville, N. J.
 WEHR, KARL C. (S'55-M'58), Mem. Tech. Staff, Bell
 Tel. Labs., Whippany, N. J.
 WEHRLE, ARNOLD W. (S'51-A'51), Elec. Engr., Mobil
 Oil Co., Inc., Box 989, Plainfield, N.
 WEHRLE, RICHARD P. (A'46), Prod. Dev. Engr., Internati.
 Harvester, 262 W. 31 St., Chicago B, Ill.
 WEHRLIN, RICHARD F. (A'49), Pres., Avion Div., ACF
 Industries, Inc., 11 Park Pl., Paramus, N. J.
 WEHRMAN, ROBERT B. (A'50). Chief Fngr., TV Sta
- WEHRMAN, ROBERT B. (A'50), Chief Engr., TV Si WLW-D, Crosley Broadcasting Corp., 4595 S. Dix Hwy., Dayton 39, Ohlo.

WFH-WFI - 427 -

- WEHRMAN, RUDOLPH (A'56), Chief Technician of Los Velasquez Receiver Station, Ministry of Communications, Ap-to, 2037, Caracas, Venezuela.
- WEI, LING YUN (S'49-A'5D-M'56), Asst. Prof., Univ. of Washington, Seattle 5, Wash.
- WEI, YIN-MIN (M'57), Dev. Engr., Westinghouse Elec. Corp., Pittsburgh, Pa.
- JANT, MONROE A., JR. (M'59), lst. Lt., USAF, /ashington, D. C., Home: 710 N. Wayne St., Arlington,
- Va.,
 WEIBEL, GERHARD E. (SM'55), Engr., Specialist, Microwave-Tube Research, Sylvania Elec. Prods., Inc., 20B-2D
 WHlets Point Blvd., Bayside, L. I., N. Y.
 WEIBLE, NORMAN R. (A'3D-VA'39), Asst. Supt., Western
 Electric Co., 22D Church St., New York 13, N. Y.
 WEIBLEN, ROBERT E. (S'53-M'56), Engr., Devenco,
 Inc., 15D Broadway, New York, N. Y.
- Inc., 15D Broadway, New York, N., Y.
 WEIBLER, CARLETON T. (A'29-SM'45), Dir., Engrg.,
 Quincy Speaker Mfg. Corp., 221-231 Oak St., Quincy,III.
 WEICHARDT, HEINZ H. (A'44-M'45), Sr., Staff Mem., Genl.
 Precision Lab., Inc., 63 Bedford Rd., Plea santwille, N., Y.
 WEICHBROD, JOSEPH (M'46-SM'49), Chief Engrg., Natl.
 Instrument Labs., Inc., B2B Evarts St., N. E., Washington
 1B, D. C.

- Instrument Labs., Inc., B2B Evants St., N. E., Washington 1B, D. C.

 WEID, ARTHUR C. (M'44), V. P., Melpar, Inc., 3000
 Arlington Blvd., Falls Church, Va.

 WEIDA, ROBERT L. (A'50-M'55), Electronics Engr., Gulded Missile Div., Republic Aircraft Corp., 223 Jericho Tpke., Mineola, L. I., N. Y.

 WEIDEMAN, ROBERT J. (M'55), Prod. Engr., Sylvania Elec. Prods., inc., N. Pratt, Ottawa, Ohio.

 WEIDEMANN, HENRY K. (A'49-M'55), Head, Engrg. Dept., Hors., Pacific Missile Range, Point Mugu, Calif.

 WEIDEMANN, ROBERT F. (S'50-A'52-M'58), Systems Project Engr., RCA, Moorestown, N. J.

 WEIDEMANN, ROBERT F., Wissile & Space Vehicle Dept., GE Co., 319B Chestnut, Philadelohia 4, Pa.

 WEIDLE, CHARLES M., JR. (S'52-A'56), Electronics Engr., Falrchild Astrionics Div., Fairchild Engine & Alrcraft, Gulded Missiles Div., Wyandandh, L.I., N. Y.
- craft, Guided Missiles Div., Wyandanch, L.I., N.Y.
 WEIDLER, CHARLES R. (S'55-M'57), 5306-C Byers, Ft. Worth, Tex.
 WEIDMAN, BERNARD (A'55), Project Engr., Federal Electric Corp., Ret. 17, Paramus, N. J.
 WEIDMAN, JDSEPH S. (A'54), Sr. Engr., Bendix Aviation Corp., Research Labs., Div., Box 5115, Detroit 35, Mich.
 WEIDMAN, LOUIS J. (M'51), Electronics Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.
 WEIDNER, CHESTER P. (A'54), TV Engr., KPRC-TV, Hosston Post Co., Box 1234, Houston, Tex.
 WEIDNER, EDWARD J. (S'52-A'54-M'59), Engr., Martin Co., Baltimore, Md.

- Co., Baltimore, Md. WEIDSTAM, ESKIL (M'56-SM'57), Chief of ECM Sect., Royal Swedish Air Board, Stockholm 80, Sweden. WEIGEL, ELMER (S'51-A'51-M'57), Project Engr., AC Spark Plug Div., GMC, 1925 E. Kenilworth, Milwaukee,

- Wis.

 WEIGEL, FREDERICK W., JR. (M'56), 2109 Grand Ave.,
 Louisville 10, Ky.

 WEIGEL, ROBERT L. (S'5D-A'52-M'57), Assoc. Engr.,
 IBM, Kingston, N. Y.

 WEIGEL, WILLIAM G. (SM'55), Mgr., Customer Relations,
 Explosive Ordnance Div., Aerojet Genl. Corp., Azusa, Calif.

 WEIGERT, HANS A. (M'54), Sr. Dev. Engr., Control Instrument Co., Inc., 67 35 St., Brooklyn 32, N. Y.

 WEIGLE, DON M. (S'56-M'58), Design Maint, Group Leader,
 Emerson Electric Mfg. Co., B100 Florissant Ave., St. Louis
 21, Mo.

- Emerson Electric Mily, LO., BLDD Flortsant Ave., St. Louis 21, Mo.

 WEINE, VERNON I. (SM'45-F'58), Dir., Air NavigationTraffic Control Systems, Genl. Precision Equipment Corp.,
 Wyatt Bldg., Suite 611, 777 14, N. W., Washington, D. C.

 WEINER M. (A'5D-SM'54), Chief, Far Infrared
 Branch, U. S. Amy Engr., Research & Development Labs.,
 Ft. Belvoir, Va.

 WEINER MAN, RAYMOND J. (S'57-M'5B), Dev. Engr.,
 Aircraft, Barber-Colman, 1300 Rock St., Rockford, Ill.

 WEIK, MARTIN H., JR. (A'55), Electronic Scientist, Computing Lab. BRL, Aberdeen Proving Ground, Md.

 WEIL, EUGENE A. (S'57-A'5B), Tech. Writer, Motorola,
 Inc., 1450 N. (Cicero Ave., Chicago, Ill.

 WEIL, FREDERICK M. (M'46-SM'54), Design Engr., Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6,
 Calif.

- Calif.

 WEIL, GERALD M. (S'50-A'51-M'57), Supvr., Silicon
 Process Dev. Lab., Fansteel Metallurgical Corp., 2200
 Sheridan Rd., North Chicago, Ill.

 WEIL, JAMES L. (A'55), Aide to Pres., Dialight Corp., 6D
 Stewart Ave., Brooklyn 37, N. Y.

 WEIL, JOSEPH (M'37-SM'43-F'57), Dean, College of
 Engrg., Dir., Engrg. & Industrial Experiment Sta., Univ. of
 Florida, Gainesville, Fla.

 WEIL KIDST. (S'43-4/47, MISS), Form.

- Florida, Gainesville, Fla.

 WEIL, KURT L. (S'43-A'47-M'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N. Y.

 WEIL, RAOUL B. (S'49-A'50-M'55), Research Asst., Centro Brasileiro de Pesquisas Flisicas, c/o Universidad Mayer de San Andres, La Paz, 80livia.

- San Andres, La Paz, 80livia,

 WEIL, ROBERT T., JR. (SM'47), Prof. & Head, Dept. of
 Elec. Engrg., Manhattan College, Manhattan College Pkwy.,
 New York 71, N. Y.

 WEIL, TOMAS A. (A'52-M'55), Mgr., Radar Transmitter
 Sect., Raytheon Mfg. Co., Wayland, Mass

 WEIL, WILLIAM M. (M'58), Mech. Engr., Arma DIv., American Bosch Arma Corp., Carden City, L. I., N. Y.

 WEIL, WILLIAM W. (S'57-M'59), Assoc, Engr., Martin
 Co., Denver 1, Colo.

 WEILAND, ERIC H. (M'58), U. S. Naval Circuit School
 Training Dept., U.S. Naval Air Sta., Glynco, Brunswick,
 Ga.

- Ga.

 WEILAND, FREDERICK A. (A'53), European Area Supvr.,
 Natl. Scientific Labs., Inc., 2D1D Massachusetts Ave.,
 Washington 6, D.C.

 WEILAND, GEORGE H. (A'53-M'58), Mirs.' Rep., 76-49
 16B St., Flushing 66, L.I. N.Y.

 WEILAND, WARD A. (M'55), Sales Engr., Collins Radio
 Co., 1318 4 Ave., Seattle 1, Wash.

 WEILER, GEORGE W. (A'41-M'55), Chief Engr., Test &
 Inspection-Missiles, Bendix Prods. Div., 400 S. Belger,
 Mishawaka, Ind.

 WEILER, GIMM I. (WI5Q), Flec, Engr., Emerson Electric
- WEILER, JOHN L. (M'59), Elec. Engr., Emerson Electric Mfg. Co., 8100 FlorIssant Ave., St. Louis 21, Mo.

- WEILER, JOSEPH H. (S'56-M'56), Electronics Technician, Semiconductor Prods. Div., Motorola, 5D05 E. McDowell Rd., Phoenix, Ariz. WEILERSTEIN, J. MARVIN (M'57), Jr. Engr., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia 29,
- WEILL, ALVIN E. (A'46-M'55), Sales Mngt., Simpson Instrument Sales, Inc., 130 Cutter Mill Rd., Great Neck, L.I., N.Y.

- L.I., N.Y.

 WEILL, HENRI (M'57), Ingenieur Adjoint a Chef de Laboratoire, de Telegraphie Sans Fii, Domaine de Corbeille, par Drsay, Seto, France.

 WEILL, ROBERT L. (A'54), V.P., Skydyne, Inc., River Rd., Port Jervis, N.Y.

 WEIMAN, WALDEMAR W. (S'49-A'51-M'56), Elec. Engr., Electronics Data Processing, RCA, Camden 1, N.J.

 WEIMER, ALOYSIUS G. (S'58-M'59), Engr., RCA, Moorestown, N.J.

- WEIMER, ALOYSIUS G. (S'58-M'59), Engr., RCA, Moorestown, N.J.
 WEIMER, EARL W. (A'40-M'46), Electronics Scientist, Naval Research Labs., Washington 25, D.C.
 WEIMER, FRANK C. (M'45-SM'59), Prof., Elec. Engrg., Ohio State Univ., 2024 Neil Ave., Columbus 1D, Ohio.
 WEIMER, JACK W. (S'54-A'55), Communication Engr., GE Co., 2518 S. State, Salt Lake Gity, Utah.
 WEIMER, JOHN W. (A'56-M'58), Chief, Telemetry Sect., ARGMA, Redstone Arsenai, Ala.
 WEIMER, PAUL K. (A'43-SM'51-F'55), Research Engr., RCA, Princeton, N.J.
 WEIMER, RICHARD H. (A'56), Service Engr., Picker X-Ray Corp., 274B Park St., Jacksonville 5, Fla.
 WEIMER, ROBERT E. (A'53), Electronics Technician, Public Service Co. of New Mexico, Box 1360, Albuquerque, N.M.
 WEIMER, RONALD B. (S'57-M'58), Jr. Engr., II. S. Army
- N.M.
 WEIMER, RONALD B. (S'57-M'58), Jr. Engr., U.S. Army Research & Development Lab., Ft. Monmouth, N.J.
 WEIN, FRED (A'45), Owner, Tower Radio Service, 3026
 Broadway, Chicago 14, III.
 WEINBERG, ALAN D. (A'5D), Engr., Naval Alr Development Center, Johnsville, Pa.; RCA, Moorestown, N.J.
 WEINBERG, BERHNARD L. (S'57-A'5B), Box 173, White-water, Wis.

- WEINBERG, BERHNARD L. (S'57-A'5B), Box 173, White-water, Wis.

 WEINBERG, DANIEL I. (S'46-A'49-M'55), Engr., ASTRA, Inc., Box 226, Raleigh, N.C.

 WEINBERG, HAROLD C. (S'55-M'56), Test Equipment Technician, Bendix Aviation Corp., Teterboro, N.J.

 WEINBERG, HAROLD M. (S'49-A'54), Pres., Sonex, Inc., 73 S. State Rd., Upper Darby, Pa.

 WEINBERG, IRVIN (A'51-M'57), Project Engr., Philico Corp., 19 St. & Lehigh Ave., Philadelphia 32, Pa.

 WEINBERG, JOSEPH (A'55), Purch. Agent, Industrial Television, Inc., 369 Lexington Ave., Clifton, N.J.

 WEINBERG, LOUIS (M'52-SM'56), Head, Communications & Networks Research Sect., Hughes Aircraft Co., Culver City, Calif.; Visiting Prof., Elec. Engrg., California Institute of Technology, Dak Grove Dr., Pasadena 3, Califer.
- Calif.; Visiting Prof., Elec. Engrg., California Institute of Technoloav. Dak Grove Dr., Pasadena 3. Calif. WEINBERG, MILTON (S'49-A'51-M'56), Engr., American Bosch Arma Corp., Carden City, L.I., M.Y. WEINBERG, MDRTON (S'54-A'55), Sr. Dev. Engr., Motorola, Inc., 4501 W. Augusta, Chicago, III. WEINBERG, MURRAY (A'52-M'58), Project Engr., Philoc Corp., Government & Industrial Div., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- WEINBERGER, AND LESSAN (A'52). Head of Elm. 1. WeInberger (National) (Nationa
- 45, Calli.
 WEINBERGER, ISAAK (A'52), Head of Firm, 1. Weinberger,
 Magnetic Recording & Movie Equipment, 2 Grabenwies,
 Zurich 42, Switzerland.
- Zurich 42, Switzerland.

 WEINBERGER, JULIUS (A'13-F'25)(L), Consulting Engr., 6 Carrington Dr., East Northport, L.I., M.Y.

 WEINBERGER, RICHARD C. (S'55-M'577), Elec. Engr., Bullova Research & Development Labs., Inc., 62-10 Woodside Ave., Woodside 77, L.I., M.Y.
- side Ave., Woodside //, L.I., N.Y.
 WEINBURG, ERNEST F. (A'52), Sr. Engr., Raytheon Mfg.
 Corp., Bedford, Mass.
 WEINDORF, DAVID R. (S'5D-A'51-M'56), Head, Prod.
 Engro., Rheem Semiconductor Corp., 327 Moffett Blvd.,
 Mountain View, Calif.
- MOURTAIN VIEW, LAIH.
 WEINER, ARTHUR (M'54), Advanced Dev. Engr., Sylvania's
 Electronic Defense Lab., 8ox 2D5, Mountain View, Calif.
 WEINER, E. GERALD (A'58), Electronics Supvr., Quality
 Control, U. S. War Dept. at Bendix Aviation Corp., York,
 Pa.
- WEINER, EDWARD L. (M'56), Elec. Designer, Douglas Aircraft Co., Inc., 3000 Ocean Park Blvd., Santa Monica, Calif.
- Calif.
 WEINER, FRED (A'54), Engr., Fairchild Astrionics Div.,
 Wyandanch, L.I., N.Y.
 WEINER, GEORGE (S'55-A'56), Publication Engr., Belock
 Instrument Co., 111-01 14 Ave., College Point 56,
 L.I., N.Y.
- L.I., N.Y.
 WEINER, GERALD (A'51-M'56), Engr., Missiles, Electronics & Controls Dept., RCA, Box 588, Burlington, Mass.
 WEINER, JAMES H. (M'57), Col. USAF, Asst. Chief of Staff, Comm. & Electronics, Hgrs., Pacific Air Forces, Box 17, APO 953, San Francisco, Callf.
 WEINER, JAMES R. (S'41-A'47-SM'54), Asst. V.P., Univac Engrg., Remington Rand Univac, 1900 W. Allegheny Ave., Philadelphia 29, Pa.
 WEINER, LAWRENCE H. (S'52-A'53), Technician, Avco Research & Advanced Dev. Div., 20 S. Union St., Lawrence, Mass.

- Mass.
 WEINER, MARTIN L. (S'55-A'56), 106 Haverford Rd., Hicksville, L.I., M.Y.
 WEINER, MAX J. (A'31-M'55), Chief Engr., WNEW, Inc., 565 5 Ave., New York 17, N.Y.
 WEINER, MELVIN M. (S'55-M'57), Elec. Engr., CHU Associates, Whitcomb Ave., Littleton, Mass.
 WEINER, MILTON (A'50-M'56), Engrg. Group Supvr., Philco Corp., 47DO Wissahickon Ave., Philadelphia 44, 78.

- WEINER, PHILLIP J. (M'59), Research Design Engr., The Dahlberg Co., 7731 6 Ave., N., Minneapolis 27, Minn. WEINER, SEYMDUR L. (S'48-A'50-M'55), Sr. Electronics Engr., The Olivetti Corp. of America, 1D Pine St., New Canaan, Conn.
- St., New Canaan, Conn.
 WEINER, WALTER (M'56), Engr., American Bosch Arma
 Corp., Roosevelt Field, Garden City, L.I., N.Y.
 WEINERT, BRUCE R. (A'52-M'58), Research Engr., Willow
 Run Research Center, Univ. of Michigan, Ypsilanti, Mich.
 WEINGARTEN, ALEXANDER (S'55-M'57), Engr.,
 Columbia Univ., Flectronics Research Labs., 652
- Columbia Univ., Electronics Research Labs., W. 125 St., New York 27, N.Y.
- W. 125 St., New York 27, N.Y.
 WEINGARTEN, DAVID H. (S'57-M'5B), Staff Mem.,
 Sandia Corp., Sandia Base, Albuquerque, N.M.
 WEINGARTEN, IRVING R. (A'53), Research Assoc., Research Div., Merck & Co., Inc., Rahway, N.J.
 WEINGARTEN, JOSEPH (A'46-M'55), Patent Atty., 53
 State St., Boston 9, Mass.
- State St., Boston 9, Mass.
 WEINGARTEN, MURRAY (M'54-SM'57), Chief Field
 Engr., Bendix Radio Div., Towson 4, Md.
 WEINGARTEN, RICHARD (S'57-M'5B), Elec. Engr.,
 Lockhed Aircraft Co., Marietta, Ga.
 WEINGARTEN, RUDOLF (A'47-M'55), Chief Engr.,
 Weingarten Electronic Labs., 7556 Melrose Ave.,
 Los Angeles 46, Calif.
- Los Ángeles 46, Calif.

 WEINGER, RALPH (S'57-A'58), V.P., Engrg., Jetronic Industries, Inc., Philadelphia, Pa.

 WEINHEIMER, F. EDMUND (S'50-A'51), Foreman, Elec. Test & Communications, U.S. Steel Co., Fairless Hills, Pa.

 WEINHOUSE, NORMAN P. (A'54), Elec. Engr., Collins Radio Co., 1937 Irving Blvd., Dallas, Tex.

 WEINMAN, JDSEPH (SM'58), In Chg. of Lab. for Medical Electronics, Hebrew Univ. & Hadassah Medical School, Jerusalem, Israel

- Jerusalem, Israel.
 WEINMAN, MARVIN M. (S'56-A'57), Systems Field Engr.,
 IBM, Stewart AFB, Newburgh, N.Y.
 WEINMAN, MDRRIS (A'52-M'59), Electronics Engr.,
 Radio Engrg. Labs., 29-01 Borden Ave., Long Island
 City, N.Y.
- WEINMANN, ROBERT H. (M'49), Hydraulic Engr., Grumman Aircraft Engrg. Corp., S. Oyster Bay Rd., Bethpage, L.I., N.Y.

- N.Y.
 WEINMANN, RONALD W. (S'55-A'56), Field Engr.,
 Federal Electric Corp., Paramus Industrial Park,
 Paramus, N.J.
 WEINRAUCH, ALFRED (M'58), Analog Computer Engr.,
 American Machine & Foundry, Greenwich, Conn.
 WEINREICH, GEDRGE F., JR. (A'57), Owner, George
 Weinreich & Associates, 1210 Old Gate Lane, Dallas
 18, Tex.
- WEINROTH, STANLEY A. (A'51-M'56), Sr. Service Engr., Eclipse Ploneer Div., Bendix Aviation Corp., Teterboro,
- WEINSCHEL, BRUNO O. (A'45-M'47-SM'53), Physicist, Weinschel Engrg., 10503 Metropolitan Ave., Kensington, Md.
- Kensington, Md.

 WEINSHAMKER, JACK (S'55-M'56), Test Equipment Engr.,
 Kearfott Co., Inc., 1500 Main Ave., Cliffon, N.J.

 WEINSHEIMER, WALTER E. (A'49), Electronics Research Techniclan, Goodyear Aircraft Corp., Massillon
 Rd., Akron, Ohio.

 WEINSHEMKER, THEODORE J. (S'49-A'50-M'55), Sr.
 Engr., Monroe Calculating Machine Co., Mitchell St.,
 Orange, N.J.
- WEINSTEIN, ALBERT (A'47-M'55), Staff Asst., (Radar) Office Dir., Defense Research & Engrg., The Pentagon, Washington, D.C.
- WEINSTEIN, DANIEL C. (A'46-M'57), Tech. Test Engr., Emerson Radio & Phonograph Corp., 14 & Cole Sts., Jersey City, N.J.

- Jersey City, N. J.

 WEINSTEIN, DAVID A. (S'54-A'55), Engr., Shand & Jure Co., B & Carleton, Berkeley, Callf.

 WEINSTEIN, EARL M. (S'51-A'54), Engr., Librascope, Inc., 808 Western Ave., Glendale, Calif.

 WEINSTEIN, GEORGE (A'53), Staff Engr., Genl. Precision Labs., 63 Bedford Rd., Pleasantville, N.Y.

 WEINSTEIN, GERALD (A'43-M'55), V.P., Electron Development Corp., 3939 University Way, Seattle 5, Wash.

 WEINSTEIN, GERALD E. (A'57-M'59), Capt., USAF, Elec. Engr., Air Force Missile Development Center, Holloman AFB, N.M.

- EIBC. Engr., AIF PORCE MISSITE DEVELOPMENT LERIER,
 MOINDAM AFF, N. M.
 WEINSTEIN, HARRY M. (A '52-M'58), Engr., Republic
 Aviation Corp., Farmingdale, L. J., N.Y.
 WEINSTEIN, IRAM J. (S'56-M'57), Engr., Circuit Design,
 Raytheon Mig. Co., Bedford, Mass.
 WEINSTEIN, JOSEPH M. (A5'57), Electronics Technician, Bd.
 of Education, 110 Livingston St., Brooklyn, N.Y.
 WEINSTEIN, MARK (M'56), Specialist Research Engr.,
 Republic Aviation Corp., Farmingdale, L. J., N.Y.
 WEINSTEIN, MARVIN S. (S'48-A'50-M'55), Physicist,
 U.S. Naval Ordnance Lab., White Oak, Silver Spring, Md.
 WEINSTEIN, MYRON (M'57), Dev. Engr., GE Co., Power
 Tube Deot., Schenectady, N.Y.
 WEINSTEIN, RICHARD L. (S'58-A'58), Electronics Technician, Pisher Scientific Co., 633 Greenwich St., New
 York 63, N.Y.
 WEINSTEIN, SEYMOUR M. (S'56-M'58), Engr., Hazel-

- TORK 0.3, N.Y.

 WEINSTEIN, SEYMOUR M. (S'56-M'58), Engr., Hazeltine Electronics Div., 59-25 Little Neck Pkwy., Little
 Neck, L.I., N.Y.

 WEINSTOCK, GUSTAVE, JR. (M'59), Elec. Engr., Emerson Electric Mfg. Co., 8100 Florissant Ave., St. Louis
 21, Mo.
- WEINSTOCK, MARTIN (S'48-A'51), Electronics Engr., U.S. Army Signal Engrs. Lab., Ft. Monmouth, N.J. WEINSTOCK, WALTER W. (A'48-SW154), Systems Engr. Leader, RCA, Moorestown, N.J. WEINTRAUB, GABRIEL (M'5B), Design Engr., Canadian Aviation Electronics, 6214 Cote De Llesse, St. Laurent, P.Q., Canada.
- P.Q., Canaoa. WEINTRAUB, IRVING A. (S'46-A'49-M'54), Consulting Engr., Electro-Mechanical Instruments, jrving A. Weintraub Co., 9'86 Glen Rd., West Hemisstead, L.I., N.Y. WEINTRAUB, LARRY (A'52), Staff Mem., Univ. of California, Los Afamos Scientific Lab., 8ox 1663, Los Alamos, N.M.
- N.M.
 WEINTRAUB, NELSON (SM'54), Sr. Project Engr.,
 Olympic Radio & Television Corp., 34-01 38 Ave.,
 Long Island City, N.Y.
 WEINTRAUB, SAMUEL (S'54-A'55), Tech. Supvr., Eveready
 Home Appliances, 424 Utica Ave., Brooklyn 13, N.Y.

- WFIR. DAVID G. (\$157-M158), Fnor. RCA. Camden, N. I. WEIR, IRVIN R. (A125-M141-5M143-F149), Engr., Engrg. Administration HMED, GE. Co., Syracuse, N.Y. WEIR, KENDALL (M159), Engr., C. RCA, Camden, N.J. WEIR, KENNETH O. (M155), Computer Systems Field Engr., IBM, 2500 Colorado, Los Angeles, Calif. WEIR, ROBERT A. (M159), Sr. Engr., Sylvania Elec. Prods., Inc., Box 1BB, Mountain View, Calif. WEIR, ROBERT C. (S147-A51-M157), Electronics Engr., Pacific Naval Lab., H.M.C. Dockyard, Esquimalt, B.C., Canada.

WEIR, THOMAS T. (M'56), Chief Engr., Penn Engrg. Co., Inc., c/o KBMN, Bozeman, Mont.

Inc., c/o KBMN, Bozeman, Mont.
WEIR, W. THOMAS (S'54-A'55-M'5B), Reliability Engr., GE Co., 319B Chestnut St., Philadelphia 4, Pa.
WEIR, WILLIAM R. (M'53), Sales Engr., Sylvania Elec.
Prods., Inc., E. 46 St., Los Angeles, Calif.
WEIRICH, EDWARD M. (A'46-SM'5B), Mgr., Engrg. Sect., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, III.
WEIRICH, H. PAUL (A'54), Asst. Genl. Mgr., Rectifier-Capacitor Div., Fansteel Metallurgical Corp., North Chicago, III.

III.
WEIS, JOHN P. (S'5B-M'59), Sr. Engr., No. Amer. Aviation, Internatl. Airport, Los Angeles 45, Calif.
WEIS, JOSEPH L. 0M'46), V.P., Genl. Communication Co., 681 Beacon St., Boston, 15, Mass.
WEIS, VICTOR A. (S'56-M'59), Engr., Collins Radio Co., Cedar Rapids, Jowa.
WEIS, WARREN G. (M'57), Design & Dev. Engr., RCA West Coast Electronic Prods. Dept., 11B19 W. Olympic Blvd., Los Angeles 64, Calif.

Los Angeles 64, Calif.

WEISBECKER, JOSEPH A. (S'54-M'57), Elec. Engr., RCA
Victor Div., Camden, N.J.

WEISBERG, ALFRED M. (A'53), V.P., Technic, Inc., 7001

N. Clark, Chicago 26, III.

WEISBROD, STEVEN (S'49-A'50-M'55), Sr. Physicist, Smyth
Research Associates, 3555 Aero Ct., San Diego 11, Calif.

WEISE, DAVID S. (S'49-A'50-M'55), Systems Project
Engr., RCA, Moorestown, N.J.

WEISE, DUANE M. (S'46-A'49-M'55), Dir., Engrg., Chicago
Educational Television Assn., 1761 E. Museum Dr., Chicago,
III.

III.
WEISE, RICHARD C. (A'31-VA'39), Sr. Dev. Engr., Burroughs
Corp., 1209 Vine St., Philadelphia, Pa.
WEISE, ROY W. (SM'55), Project Engr., Sylvania Elec.
Prods., Inc., Buffalo, N.Y.
WEISENBERGER, ANDREW J. (M'56), Dev. Engr., Burroughs
Research Center, Paoli, Pa.
WEISENBURGER, FRANK M. (A'52-M'54), Elec. Engr., The
Hallicrafters Co., 4401 W. 5 Ave., Chicago, III.
WEISENFELD, SIDNEY (A'50-M'56), Electronics Engr., RCA,
Camden, N.J.
WEISER, ROSABEL V. (SM'53), Electronics Engr., Natl.

Camden, N.J.

WEISER, ROSABEL V. (SM153), Electronics Engr., Natl.
Cash Register Co., Dayton 9, Ohio.

WEISER, SIDNEY (A151), Electro-Mech. Engr., Robodyne
Div., U.S. Industries, Inc., B411 2nd Ave., Silver Spring,
Md.

Md.

WEISFELD, BERNARD R. (S'50-A'53), Elec. Engr., Alrbome Instruments Labs., Mineola, L.I., N.Y.

WEISHAR, WILLIAM J. (M'56), Project Engr., The Hallicrafters Co., 4401 W. 5 Ave., Chicago 24, III.

WEISIGER, JOHN M. (M'54), Electronics Engr., Oklahoma
City Air Material Area, Tinker AFB, Okla.

WEISLITZER, JOSEF (M'55), Scientific Officer, Scientific
Dept., Ministry of Defence, Box 1, Kiryat Motzkin, Halfa,
Israel.

Dept., Ministry of Defence, Box 1, Kiryat Motzkin, Halfa, Israel.

WEISMAN, IRVING (A'53-M'55), Fr. Engr., Columbia Univ., Hudson Labs., Dobbs Ferry, N.Y.

WEISMAN, JOSEPH B. (S'54-M'56), Microwave Technician, Sylvania Elec. Prods., Inc., Waltham 54, Mass.

WEISMAN, LLOYD S. (M'57), Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City 1, N.Y.

WEISMAN, SHELDON M. (S'53-M'57), Engr., Philo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

WEISMAN, NR OBERT J. (SM'57), 1564 Honeysuckle Pl., Los Altos, Calif.

WEISS, ALBERT (A'55), Electronic Scientist, U.S. Naval Ordnance Lab., Corona, Calif.

WEISS, ARNOLD A. (S'54-A'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

WEISS, ARNOLD J. (S'57-A'59), Engr., Norden Labs., 121 Westson-eland Ave., White Plains, N.Y.

WEISS, BERNARD J. (S'57-A'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

WEISS, BERNARD S. (S'57-M'58), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

WEISS, BURTON J. (S'55-M'57), Engr., Radiation, Inc., Box 37, Melbourne, Fla.

WEISS, DAVID H. (S'54-M'57), Elec. Engr., GE Co.,

Box 37, Melbourne, Fia.
WEISS, DAVID H. (S'54-M'57), Elec. Engr., GE Co.,
LMED, Utica. N.Y.
WEISS, DONALD (S'56-M'59), Jr. Project Engr., Bendix
Aviation Corp., Teterboro. N.J.
WEISS, DONALD H. (S'54-M'56), Assoc. Engr., IBM, Pough-

WEISS, DONALD H. (\$'54-M'56), Assoc. Engr., IBM, Poughkeepsie, N.Y.

WEISS, EDWARD J. (A'51-M'57), Dir., Contracts, Radiation
Inc., Drawer 37, Melbourne, Fla.

WEISS, ERIC A. (A'41-M'46), Sr. Elec. Engr., Sun Oil
Co., Applied Physics Sect., Newtown Sq., Pa.

WEISS, ERNEST (A'55), Project Engr., Olympic Radio & TV,
34-01 36 Ave., Long Island City, 1, N.Y.

WEISS, ERNEST H. (A'59), Field Engr., American Machine
& Foundry, Greenwich, Conn.

WEISS, FRANK (S'49-A'51-M'56), Electronics Scientist,
Diamond Ordnance Fuze Labs., Washington 25, D.C.

WEISS, FREDRIC L. (S'57-M'59), Servo Design Engr., Loral
Electronics Corp., B25 Bronx River Ave., Bronx 72, N.Y.

WEISS, GERALD (S'459), Asst. Prof., Elec. Engrg., Polytechnic Institute of Brooklyn, 333 Jay St., Brooklyn 1, N.Y.

WEISS, GERALD (S'50-A'51-M'56), Assoc. Engra.

Scientist, New York Univ. Research Div., University
Hyds., Bronx 53, N.Y.

WEISS., BRANS (A'52), Chief Engr., Mobile VHF Equipment,

ngs., Bronx 53, N.Y.
WEISS, HANS (A'52), Chief Engr., Mobile VHF Equipment,
Brown-Boveri, Baden, A.G., Switzerland.
WEISS, HAROLD (S'49-A'52-M'56), Sales Mgr., Internati.
Data Processing, GE Computer Dept., 13430 N. Black Canyon
Hwy, Phoenix, Ariz.

WEISS, HEINZ R. (A'52-M'54), Sales Mgr., Instruments & Equipment Div., Epsco, Inc., 275 Massachusetts Ave., Cambridge, Mass.

WEISS, HERBERT G. (SM'48), Group Leader, Lincoln Lab., MIT, Lexington 73, Mass.
WEISS, HERBERT R. (A'56-M'57), Engr., Raytheon Mfg. Co., Wayland, Mass.
WEISS, HYMAN H. (A'58), 2342 W. Rosemont, Chicago 45, HYMAN H. (A'58)

45, III.
WEISS, JACK G. (S'56-M'57), Electronics Design Engr.,
Motorola, Inc., B330 Indiana, Riverside, Calif.
WEISS, JEROME D. (S'55-M'56), Field Engr., Western
Electric Co., Chatham Rd., Winston-Salem, N.C.
WEISS, JOSEPH (S'5B-M'59), 153-15 B9 Ave., Jamaica
32, L.I., N.Y.

WEISS, LESLIE S. (S'52-A'55), Traffic Engr., The Pacific Telephone & Telegraph Co., 509 S.W. Oak, Portland 4,

Ore.

WEISS, LESTER M. (S'47-A'4B-M'55), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
WEISS, LOUIS F. (A'57), Sr. Lab. Technician, Hoffman Labs., Inc., 3761 S. Hill St., Los Angeles, Calif. WEISS, MARK R. (M'56), Project Engr., Federal Sclentific Corp., 615 W. 131 St., New York 27, N.Y.
WEISS, MAX M. (S'43-A'445-M'46), Engr., Physicist, Mem. Tech. Staff, Bell Tel. Labs., Whippamy, N.J.
WEISS, MAX T. (S'43-A'45-M'55-SM'57), Sr. Staff Mem., Hughes Aircraft Co., Culver City, Calif.
WEISS, MELVIN V. (M'51), Chief Engr., Special Apparatus Div., Radio Condenser Co., Davis & Copewood Sts., Camden 3, N.J.
WEISS, MERLE (A'57), Jr. Elacterics Eng., 2005.

den 3, N.J.

WEISS, MRRLE (A'57), Jr. Electronics Engr., GMC, Box
12B, Detrolt 2, Mich.

WEISS, MITCHELL (M'57), Sr. Staff Engr., Servomechanlsms, Inc., Santa Barbara Airport, Goleta, Calif.

WEISS, MORRIS (S'43-A'45-S'47-A'50-M'56), Staff
Electronics Engr., Continental Can Co., Central Research
Engro, Div., 7622 S. Racine Ave., Chicago 20, Ill.

WEISS, PHIL H. (SM'57), Electronics Engr., Internati.

Telemeter Corp., 2000 Stoner Ave., Los Angeles 25,
Calif.

Calif.

WEISS , PHILLIP A. (M'57), Patent Engr., Kellogg Switchboard & Supoly Co., 6650 S. Cicern Ave., Chicago 3B, Ill.

WEISS , RICHARD A. (SM'50), Scientific Advisor, Office
Chief Research & Dev., U.S. Army, Pentagon, Washington,
D.C.

WEISS, RICHARD E. (S'57-M'59), Elec. Engr., Naval

Ordnance Lab., Corona, Calif.
WEISS, ROBERT (M'5B), Research Engr., Guldance & Controls, Lockheed Missiles & Space Div., Box 504, Sunnyvale, Calif.

Sunnyvale, Calif.

WEISS, S. IRVING (SM'46), Pres. & Dir., Research, Trans-Sil Corp., 55 Honeck, Englewood, N.J.

WEISS, S. LEONARD (S'56-M'5B), Elec. Engr., Philocopolic Corp., 4700 Wissahlickon Ave., Philadelphia 44, Pa.

WEISS, SAMUEL R. (A'55), Electronics Scientist, Computer, Cathode Ray & Photo Electronics Sect., Material Lab., New York Naval Shipyard, Frooklyn I, N.Y., Owner, Delsam Radio-TV, 2665 Grand Concourse, New York 6B, N.Y.

WEISS, WILLIAM R., JR. (M'55), Engr.-In-Chg., Specifications, Stankler, R., WKISS, WMILLIAM R., JR. (M'55), WMILLIAM R., JR. (M'55), Engr.-In-Chg., Specifications, Standards, Sylvania Elec. Prods., Inc., VMILLIAM R., JR. (M'55), Engr.-In-Chg., Specifications, Standards, Sylvania Elec. Prods., Inc., Woburn, WMILLIAM R., JR. (M'55), Engr.-In-Chg., Specifications, Standards, Sylvania Elec. Prods., Inc., Woburn, WMILLIAM R., JR. (M'55), Engr.-In-Chg., Specifications, Standards, Sylvania Elec. Prods., Inc., Woburn, Mass.

WEISSBERG, EPHRAIM (A'52-M'5B), Sr. Research Engr., Ministry of Defense, Scientific Dept., Box 7063, Tel-Avlv, Hakirva, Israel.

Aviv, Hakirva, Israel,
WEISSENBORN, HARLAN E. (S'56-M'59), Sr. Project
Engr., AC Spark Plug Div., Milwaukee, Wis.
WEISSENSTERN, MORDECHAI (S'51-A'53-M'57), Engr.,
Sylvania Elec. Prods., Inc., Woburn, Mass.
WEISSER, DANIEL R. (A'55), Dev. Engr., IBM, Endicott,

N.Y.
WEISSERT, RALPH K. (M'56), Owner, Indiana Electronic
Co., 1010 Oak Ridge, South Bend 17, Ind.
WEISSFLOCH, ALBERT J. (SM'5B), Directeur Technique,
Societe Technique d'Application et de Recherche Electronique
(STAREC), Montrouge, Seine, France.

WEISSMAN, DAN (A'59), 607 Blue Hills Ave., Hartford,

WEISSMAN, ERIC (A'50-M'55), Research Asst., Physics Dept., New York Univ., Washington Sq., New York 3, N.Y.

WEISSMAN, JACK G. (S'41-A'44-M'49-SM'56), Engr., in Chg., Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mountain View, Callif. WEISSMAN, RICHARD M. (SM'53), Sr., Project Engr., Fermi Institute for Nuclear Studies, 5630 Ellis Ave., Chicago 37, III.

WEISSMAN, SAUL (M'44-SM'50), Chief, Weapon System Integration Branch, USAF, Air Research & Dev. Command, Communication & Navigation Lab., Wright Air Development

Center, Wright-Patterson AFB, Ohio.
WEISSMAN, SIDNEY (S'53-A'54), Electronics Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N.Y.

WEISZ, PAUL H. (M'59), Sr. Elec. Engr., Hoffman Labs. 3740 S. Grand, Los Angeles 7, Calif. WEISZ, WILLIAM J. (S'4B-A'49-M'53), Prod. Mgr., Mobile & Portable Communications Prods., Communications & Industrial Electronics Div., Motorola, Inc., 4545 W.

& Industrial Electronics Div., Motorola, Inc., 4545 W. Augusta Bild., Chicago 51, III.
WEITBRECHT, ROBERT H. (M'59), Physicist, Stanford Research Institute, Menlo Park, Calif.
WEITERMANN, BRUCE R. (A'57), Owner, Weltermann Electronics, 1412 N. 30 St., Milwaukee B, Wis.
WEITMANN, IRWIN (S'56-M'59), Engr., Polarad Electronics Corp., 43-20 34 St., Long Island City, N.Y.
WEITMANN, OTTO (SM'46), V.P., Lepel High Frequency Labs., 55 St. & 37 Ave., Woodside 77, L.I., N.Y.
WEITZ, GEORGE (S'54-A'54), Systems Inst., Bendix Aviation Corp., Teterboro, N.J.
WEITZ, MERLE R. (S'55-M'5B), Design Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
WEITZ, MERLE R. (S'49-A'50-M'5B), Mgr., Engrg.

NUEITZ, MORTON K. (S'49-A'50-M'5B), Mgr., Engrg. Administration. RCA. Camden, N. J. WEITZ, SIDNEY (A'49-M'55), Chief, Interference Control Sect., S & G E Div., U.S. Army Research & Development Labs., Monmouth, N.J.

WEITZEL, ROBERT L. (M'54), Electronics Engr., The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

WEIXLER, HERMAN J. (M'53), Sr. Reliability Engr., Missile Engrg. Div., McDonnell Aircraft Co., Lambert, St. Louis Airport, Mo.

St. Louis Airport, Mo. WELAN, IRVING (A'50-M'55), Service Mgr., HIVideo, Inc., 50 E. Central Ave., Pearl River, N.Y. WELBER, IRWIN (S'49-A'50-M'55), Transmission Systems Dev. Engr., Bell Tel Labs., Murray Hill, N.J. WELBORN, DON L. (S'43-A'53), Exec. Asst. to Pres., Wilcox Electric Co., Inc., 1400 Chestnut, Kansas City 27, Mo.

WELCH, CHESTER M. (M'56), Tech. Writer, Gilfillan Bros. . 1815 Venice Blvd., Los Angeles, Callif.
WELCH, ALBERT B. (S'49-A'53-M'5B), Tech. Specialist, Temco Aircraft Corp., Box 6191, Dailas. Tex.
WELCH, ARTHUR A. (M'57), Engrg. Editor, Encyclopedia of Science & Technology, McGraw-Hill Book Co., 10 Elliewood Ave., Charlottesville, va.
WELCH, CHESTER M. (M'52-SM'55), Chief, Communications Div., U.S. Army, Signal Missile Support Agency, White Sands Missile Range, N.M.
WELCH, CLAUDE H. (S'50-A'51), Lt. Col., USMC, Exec. Officer, Marine Group 24, 2nd Marine Air Wing, Cherry Point, N. C.

WELCH, CONRAD L., (M'56), Sr. Engr., Haller, Raymond, & Brown, Inc., Circleville Rd., State College, Pa., WELCH, CORNELIUS (S'57-M'59), Electronics Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex, WELCH, DANIEL P. (S'49-A'50-M'53), Assoc. Research Engr., Cornell Aeronautical Labs., Inc., 4555 Genesee St., Buffalo 21, N.Y.

WELCH, OARRELL K. (M'5B), Branch Supvr., Radioplane Co., 8000 Woodley, Van Nuys, Calif. WELCH, DAVID I. (S'54-M'56), Engr., GE Co., Schenec-tady, N. Y.

WELCH, GEORGE H. (A'46-M'52), Sect. Head, Radiation Systems, Goodyear Aircraft Co., Akron, Ohlo. WELCH, H. WILLIAM, JR. (A'47-SM'52-F'58), Dir. Re-search & Dev., Motorola, Inc., B201 E. McDowell Rd., Phoenix, Ariz.

WELCH, HASKELL E. (A'59), Marine Engr., Texaco, Inc., 135 E. 42 St., New York, N. Y. WELCH, HERBERT E. (A'42-M'55), Instr., Engrg. & Career Drafting, Stockton College, 3301 Kensington, Stockton 4,

Cair.

WELCH, JACK D. (A'55), Research Engr., Collins Radio
Co., Cedar Rapids, Iowa.

WELCH, JAMES R. (M'52-SM'57), Project Engr., Philco
Corp., 3B75 Fablan Way, Palo Alto, Calif.

WELCH, O. ROBERT (S'52-A'54-M'59), Electronics System
Design Engr., Chance-Vought Aircraft, Inc., Box 5907, Dallas 22, Tex.

Ias 22, Tex.

WELCH, PAUL G. (M'5B), Electronics Engr., FAA, Aeronautical Center, Box 10B2, Oklahoma City, Okla.

WELCH, RICHARD F. (M'57), Transistor Evaluation Engr., GE Co., Syracuse 1, N. Y.

WELCH, THOMAS J. (S'52-A'53-M'5B), Supvg. Engr., Hazeltine Electronics Corp., 31 Stewart St., Floral Park, L. I., N. Y.

L.I., N.Y.
WELCH, WILLIAM E. (A'46-M'51-SM'57), Supwr., Publications, Packard-Bell Electronics Corp., 12333 W. Olympic Blvd., Los Angeles 64, Calif.
WELCHMAN, W. GORDON (SM'57), Exec. Engr., Itek
Corp., 1605 Trapelo Rd., Waltham 54, Mass.
WELCOME, WARREN W. (M'57), Mem. Tech, Staff, RamoWooldridge Corp., 5500 El Segundo Blvd., Los Angeles 45,
Calif. Woold Calif

WELDON, JAMES F. (S'54-M'5B), Dev. Engr., Continental Electronics Mfg. Co., 4212 S. Buckner Blvd., Dallas 27,

WELDON, JAMES M. (S'50-A'54-M'57), Tech, Writer, Continental Electronics Mfg.Co., 4212 S. Buckner Blvd., Dallas 27, Tex.
WELDON, JAMES O. (A'26-SM'46-F'54), Pres., Continental Electronics Mfg.Co., 4212 S. Buckner Blvd., Dallas 27, Tex.

Dallas Z1, 1ex.
WELDON, JAMES W., JR. (S'56-M'5B), Elec, Engr.,
Officer, U. S. Army, Home: 3410 McKay, Tampa, Fla.
WELDON, JOHN C. (S'54-M'5B), Mem. Tech. Staff, Hughes
Aircraft Co., Culver City, Calif.
WELDON, WARREN J. (A'51), Supt., Elec. Overhaul Inspection, American Airlines, Inc., Tulsa Overhaul & Supply
Depot, Tulsa, Okla.

Depot, Tulsa, Okla.

WELGE, VICTOR (A'43-SM'49), Depk, Head, Hughes Aircraft Co., Culver City, Calif.

WELKEN, RALPH L. (M'57), 2nd Lt., USAFSS, Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

WELKER, RALPH L. (M'57), 2nd Lt., USAFSS, Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

WELKER, RALPH A. (M'59), Supvr., Missile Prods, Engrg., Vitro Labs, Div., 14000 Georgia /ve., Silver Spring, Md.

WELKER, JOHN C. (S'57-A'59), Engr. Writer, Malt & Ness, 1234 Genesee St., Buffalo, N. Y.

WELKOWITZ, WALTER (S'46-A'49-M'55), Dir., Engrg., Vibro-Ceramics Div., Gulton Industries, 212 Durham Ave., Metuchen, N. J.

WELLARD, CHARLES L. (A'54), Tech. Dir., Systems Div., Clifton Precision Prods. Co., Baltimore Pike, Clifton Heights, Pa.

WELLCOME, FRANK L., JR. (A'50-M'56), Research &

WELLCOME, FRANK L., JR. (A'50-M'56), Research & Dev. Engr., Sprague Electric Co., Union St., North Adams, Mass.

WELLER, BARTON L. (A'46-M'55), Pres., Vitramon, Inc., Box 544, Bridgeport 1, Conn.

Box 544, Bridgeport J, Conn, WELLER, CARROLLE E, (\$'53-4'55), Electronics Design Engr., Raytheon Mfg, Co., Maynard, Mass. WELLER, DAVID C. (\$M'5B), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J. WELLER, DAVID R. (\$M'57), Tech. Dir., Alrborne Instruments Lab., 864 Franklin Ave., Thornwood, N. Y. WELLER, DDNALD A. (A'35-VA'39-\$M'49), Chief Engr., WISN, The Hearst Corp., 759 N. 19 St., Milwaukee 3, Wish, Milwaukee 3,

WELLER, DONALD B. (S'57-M'5B), Elec. Engr., Sylvania Elec. Prods., Inc., Amherst Research Lab., Amherst. N.Y. WELLER, EDWARD F., JR. (SM'54), Asst. Head Physics Dext., Research Staff, GMC, 30B00 Mound R., Warren, Mich.

- 429 -WEL-WER

- WELLER, ROYAL (SM'57), V.P., Engrg., Stromberg-Carlson Div., 100 Carlson Rd., Rochester 3, N.Y.
 WELLES, SHERRERD B. (SM'56), Mgr., Missile Systems
 Lab., Electronic Systems Div., Sylvania Elec. Prods., Inc.,
 Waltham 54, Mass.
- Waltham 54, Mass.
 WELLESTAT, CHARLES E. (S'55-A'56), Project Engr.,
 Admiral Corp., 3B00 W. Cortland, Chicago 47, III.
 WELLING, ALBERT J. (A'56), Asst. Lecturer, H. M. Dockyard Tech. College, Rosyth, Fife, Scotland.

- yard Tech, College, Rosyth, Fife, Scotland, WELLING, AUGUSTINE J. (S'51-4'51-M'56), BC3 Saratoga St., East Boston 2B, Mass.
 WELLING, CONRAD G. (A'56), Cmdr. USN, Special Projects Office, Bureau of Ordinance, Washington 25, D. C.
 WELLING, ROBERT L. (A'58), Engra, Writer, Procedures, Convair, 1675 W. 5 St., Pomona, Calif.
 WELLING, WOODROW J. (M'59), Electronics Instr., FAA, Aeronautical Center, Oklahoma City, Okla.
 WELLINGER, ROGER P. (M'50), Mgr., Camera & Storage Tube Engra., Power Tube Dept., GE Co., Schenectady, N. Y.
 WELLINGTON, THOMAS C. (M'59), Faor, Althorne Instru-

- N. Y.
 WELLINGTON, THOMAS C. (M'59), Engr., Airborne Instrument Lab., Mineola, L. I., N. Y.
 WELLIVER, CLARENCE L. (S'44-A'46-M'52), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Calif.
 WELLMAN, BERTRAM (A'37-VA'39-M'55), Elec. Engr.
 & Owner, Berkshire Labs., Bank Village, Greenville, N. H.
 WELLMAN, CARL E. (M'5B), Prod. Engr., GE Co., Auburn, N. Y.

- & Owner, Berkshire Labs., Bank Village, Greenville, N. H.
 WELLMAN, CARL E. (M'5B), Prod. Engr., GE Co., Auburn, N. Y.
 WELLMAN, FRANCIS C. (S'50-A'52-M'5B), Project Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.
 WELLMAN, PRESCOTT H., JR. (M'57), Maj., USAF, Region Inspector Hgrs. North Atlantic AACS Region, Westover AFB, Mass.
 WELLNER, FRED R. (A'51-M'52-SM'56), Supvr., TV
 Elec. Design Engrg., GE Co., Syracuse, N. Y.
 WELLOCK, ROBERT R. (M'59), Sr. Engr., The Kaman Aircraft Corp., Bloomfield, Conn.
 WELLS, ALBERT F. (S'43-A'48-M'55), Consultant, Box 14, Valois, Pointe Claire, P. Q., Canada.
 WELLS, ARTHUR T. (A'52), 5r. Electronice Engr., Convair-Astronautics, San Diego 12, Calif.
 WELLS, GOBBY D. (A'56), Electronics Research Specialist, U. S. Civil Service, Track Div., Holloman AFB, N. M.
 WELLS, CHANDLER H., (A'52), Electronics Engr., Purchase Debt., The Foxboro Co., 3B Neponset Ave., Foxboro, Mass.
 WELLS, CHESTER V. (S'57-M'59), Engrg. Asst., GE Co., Box 2147, Idaho Falis, Idaho.
 WELLS, CLARENCE A. (SM'5B), Transmission & Protection Engr., Pacific Telephone & Telegraph Co., 740 S. Olive St., Los Angeles, Calif.
 WELLS, CARENCE A. (SM'5B), Transmission & Protection Engr., Pacific Telephone & Telegraph Co., 740 S. Olive St., Los Angeles, Calif.
 WELLS, EARL W. (M'55), Owner, Wells Recording Service, 324 3rd St. N., St. Petersburg, Fla.
 WELLS, ELNIOTT L. (A'58), Mgr., Wells Recording Service, 324 3rd St. N., St. Petersburg, Fla.
 WELLS, ERNEST H. (A'53-SM'57), Electronics Engr., ABMA, Engrs. Branch Missile Engr., Sect., Redstone Arsenal, Ala.
 WELLS, Clins Research Missile Engr., Sect., Redstone Arsenal, Ala.
 WELLS, Clins Research Missile Engr., Sect., Redstone Arsenal, Ala.
 WELLS, Clins Research Missile Engr., Sect., Redstone Arsenal, Ala.

- WELLS, EUGENE R. (S'55-M'56), Component Applications Engr., Collins Radio Co., 1930 HiLine Dr., Dallas 7, Tex.
- Tex.

 WELLS, FRANK C. (M'57-SM'58), Sr. Engr.-in-Chg.,
 Sylvania Elec. Prods., Inc., Mountain View, Callf.

 WELLS, FRANK D. (S'52-M'55), Electronics Engr., FAA
 Aeronautical Center, Box 10B2, Oklahoma City, Okla.

 WELLS, FRANK H. (A'39-SM'48-F'5B), Principal Scientific Officer, Atomic Energy Research Establishment, Harwell,
 Berks, England.

 WELLS, GEORGE (A'45), Tech. Officer, Dept. of Transport,
 Govt. of Canada, *3 Temporary Bldg., Ottawa, Ont., Canada.

 WELLS, GEORGE H. (S'58-M'59), Electronics Engr.,
 RCA, Camden, N.J.

 WELL, GEORGE H. JR. (M'5B), Design Group Engr.,
 Convair, Pomona, Calif.

 WELLS, GEORGE W. (M'59), Mem. Tech. Staff, Bell

- WELL, JEUNUE H., JR. (M'5B), Design Group Engr., Convair, Pomona, Calif.

 WELLS, GEORGE W. (M'59), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.

 WELLS, HAROLD D., JR. (M'46), Secy.-Treas., APMEW, Inc., 252 Bay St., Gien Falls, N.Y.

 WELLS, HARRY W. (M'36-SM'43-F'53), Chmn., Upper Atmosphere Sect., Carnegie Institution of Washington, D.C., Dept. of Terr, Magnetism, 5241 Broad Branch Rd., N.W., Washington 15, D.C.

 WELLS, HENRY G., JR. (M'56), Mem. Tech. Staff, Bell Tel. Labs., 1600 Osgood St., North Andover, Mass.

 WELLS, HOWARD W. (S'58-M'59), Engr., Western Electric Co., Winston-Salem, N.C.

 WELLS, J. DOUGLAS (A'54-M'56), Sr. Staff Engr., Sperry Microwave Electronics Co., Box 1828, Clear Water, Fla..

 WELLS, JAMES G. (M'56), V.P., Pres., Elgin Metal-

- wrater, Fla.

 WELLS, JAMES G. (M'56), V.P., Pres., Elgin Metalformers Corp., 630 Congdon St., Elgin, Ill.

 WELLS, JAMES H., JR. (S'56-M'57), Electronics Engr.,
 Mem. Tech. Staff, Hughes Research & Development Labs.,
 Culver City, Calif.
- WELLS, JAMES L. (M'51), Field Engr., J. T. Hill Co., 420 S. Pine St., San Gabriel, Calif. WELLS, JOHN M. (A'26-M'39-SM'43), Chmn. of Bd., Harvey-Wells Electronics, Inc., North St., Southbridge, Mass.
- Mass.

 WELLS, JOSEPH F. (M'57), Mgr., RCA-Victor Record
 Div., 445 N. Lake Shore Dr., Chicago 11, III.

 WELLS, KENNETH R. (S'57-M'58), Engr., Intermountain
 Motor Service, Salt Lake City, Utah.

 WELLS, LOUIS C. (S'55-M'56), Project Engr., Aviation
 Electronic Prods., Bendix Radio Div., Bendix Aviation
 Corp., Towson 4, MG.

 WELLS, MARION A. (A'51-M'56), Sr. Dev. Engr.,
 Data Jah Div. Consolidated Flectrodynamics Corp.,
 Data Jah Div. Consolidated Flectrodynamics Corp.,

- WELLS, MARION Á. (A'51-M'56), Sr. Dev. Engr.,
 Data Lab. Div., Consolidated Electrodynamics Corp.,
 620 N. Lake St., Pasadena, Calif.
 WELLS, MILO (A'47-M'55), Pree., GETCOA, Inc.,
 15657 Brookpark Rd., Cleveliand 35, Ohlo.
 WELLS, PAUL E. (A'53), Physicist, Natl. Bureau of
 Standards, Washington 25, D.C.
 WELLS, PAUL I. (A'54), Electronics Scientist, Central Radio
 Prop. Lab., Natl. Bureau of Standards, Boulder, Colo.
 WELLS, RAYMOND W. (SM'55), Chief Electronics Engr.,
 Aircraft Armaments, Inc., Cockeysville, Md.
 WELLS, RICHARD E. (S'48A-M'50-M'55), Project Engr.,
 Motorola, Inc., 8330 [ndiana Ave., Riverside, Calif.

- WELLS, RICHARD J. (M'55), Chief Engr., Lansdale Tube Co., S. Main St., Spring City, Pa. WELLS, ROBERT J. (M'57), District Engr., Canadian Natl. Telegraphs, 152 Water St., St. John's, Nfld.,
- WELLS, ROBERT J. (M'57), Field Engr., Data Systems, Cubic Corp., 5517 Kearny Villa Rd., San Diego 11, Calif.
- WELLS, THERON C. (S'49-A'51-M'58), Electronics Engr., Ryan Aeronautical Co., 2701 Harbor Dr., San Diego 12, Calif.
- Diego 12, Calif.

 WELLS, WALLACE S. (S'47-A'49-M'55), Asst. Mgr., Communication & Controls Lab., Mech. Div., Gent. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn.

 WELLS, WALTER L. (S'49-A'52-M'57), Assoc. Group Leader, Lincoln Labs., MIT, Lexington 73, Mass.

 WELLS, WILLIAM B. (A'2B-VA'39-M'55), Operations Analyst, Hgrs. Tactical Air Command (D/CS Operations) Langley AFB, Va.

- Analyst, Hgrs. Tactical Air Command (D/CS Operations)
 Langley AFB, Va.
 WELLS, WILLIAM E. (M'57), Electronics Scientist, USN
 MDL, Panama City, Fla.
 WELLSAND, RUDOLPH, JR. (A'54), Electronics Engr.,
 Convair, W. 5 St., Pomona, Calli.
 WELMERS, EVERETT T. (SM'56), Asst. to Pres.,
 Dir., Lawrence D. Bell Research Center, Bell Aircraft
 Corp., Buffalo 5, N. (YSB), Chief Engr., Radio Sta.
 KO00, 2321 M St., Omaha, Neb.
 WELSAND, JOHN B. (A'54), Design Engr., Ford Motor
 Co., 21500 Oakwood Blvd., Dearborn, Mich.
 WELSH, C. ALBERT (M'57), Instr., Elec. Engrg.,
 Manhattan College, New York 71, N. Y.
 WELSH, JAMES P. (M'55-SM'55), Head, Electronics
 Equipment Thermal Reliability Sect., Aero-Mechanics
 Deot., Cornell Aeronautical Lab., 4455 Genesee St.,
 Buffalo 21, N. Y.

- Deot., Cornell Aeronautical Lab., 4455 Genesee St., Buffalo 21, N.Y.
 WELSH, JOHN J. (SM'5B), Functional Engr., GE Co., 319B Chestnut St., Philadelphia, Pa.
 WELSH, LEO F. (S'56-M'5B), Project Engr., GMC, Indianapolis, Ind.
 WELSH, NEIL R. (S'56-M'59), Chief Engr., Electronics Circuits Div., Transonic, Inc., BOB 16 St., Bakersfield, Calif.
- WELSH, ROBERT R. (A'30-SM'47), Administrator, Tech. Liaison & Coordination, Missile & Surface Radar Div., RCA, Defense Electronics Prods., Moorestown, N.J.
- WELSH, WARREN A. (A'45-SM'52), Asst. Supt., Graduate Engrg. Training, Western Electric Co., 10 Columbus Circle, New York 19, N.Y.
- Columbus Circle, New York 19, N.Y.

 WELSH, WILLIAM (M'55), Owner & Mgr., Riverdale Radio, 91 Lees Ave., Ottawa, Ont., Canada.

 WELSH, WILLIAM J. (M'57), Group Engr., Philoo Coro., G. & i Div., 4700 Wissahickon Ave., Philadelphia 44, Pa. WELSHER, CARLE. (A'26-VA'39-SM'57), Mgr., Tech. Publications, RCA Service Co., Camden B. N. J.

 WELSTED, IRVING G. (A'52-M'57), Sr. Field Engr., Bendix Radio Div., Bendix Aviation Corp., Smith & Greenspring Aves., Owings Mills, Md.

 WELTER, NEILE. (S'50-A'51-M'57), Systems Engr., Bell Helicopter Corp., Box 482, Ft. Worth 1, Tex., Wayland, Mass.

 WELTIN, OTTO K. (A'48-M'51-SM'51). Asst. Dir. Re-

- Wayland, Mass.
 WELTIN, OTTO K. (A'48-M'51-SM'51), Asst. Dir., Research, Cook Research Labs., 6401 W. Oakton St., Morton Grove, III.

- search, Cook Research Labs., 6401 W. Oakton St., Monton Grove, Ill.

 WELTON, DONALD A. (M'57), Engr., Westinghouse Elec. Corp., Elmira, N.Y.

 WELTS, JEREMY (S'49-A'51-M'58), Research Engr., Raytheon Mfg. Co., Waltham, Mass.

 WELTY, RICHARD M. (M'57), 7917 Kentwood Ave., Los Angeles 45, Calif.

 WELZ, W. C. (A'46-M'47), Sr., Engr., Schlumberger Well Surveying Corp., 5000 Gulf Freeway, Houston, Tex.

 WEMETT, PAUL A. (A'58), Engr., RCA. Somerville. N.J.

 WENCEL, MILFORD L. (S'50-A'51-M'56), Service Engr., Boeing Airplane Co., Wichita. Kan.

 WENDALH, ROY E. (A'54), V.P. & Mgr., Airborne Systems Group, Hughes Aircraft Co., Culver City, Calif.

 WENDEL, DALE R. (S'55-M'58), Engrg. Writer, Hughes Aircraft Co., Culver City, Calif.

 WENDEL, EDWARD N. (A'26-M'33-SM'43-F'47), Retired, Bearskin Neck, Rockport, Mass.

 WENDLANDT, CHARLES W. (A'53-M'58), Asst. Project Engr., Temco Aircraft Corp., Box 6191, Dallas 2, Tex.

 WENDT, FRANK S. (A'51-M'56), Chief Electronics Engr., Pegasus Labs., Inc., 3690 W. Il Mile Rd., Berkley, Mich. WENDT, JAMES R. (M'56), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.

 WENDT, KARL R. (A'36-Calif. M'46-F'54), Chief Engr., No. Amer. Aviation, Downey, Calif.

 WENDT, KARL R. (A'36-M'46-F'54), Chief Engr., Communications & Radar, Martin Co., Box 179 Denuer 1

- WENDT, KARL R. (A'36-SM'46-F'54), Chief Engr., Communications & Radar, Martin Co., 8ox 179, Denver 1,
- WENDT, RICHARD H. (S'56-A'57), Site Technician, Burroughs Corp., Burroughs Dr., Radnor, Pa. WENDT, ROBERT B. (S'54-M'56), Sr. Research Engr., No. Amer. Aviation, 5 Ave., Columbus 16, Ohio. WENDT, ROBERT F. (S'53-A'54), Electronics Design Engr., GE Co., Utica, N.Y. WENDERDT BORFET D. (S'48-A'52-M'56), Dev. Engr.,
- WENGENROTH, ROBERT D. (S'4B-A'52-M'56), Dev. Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.

- N.Y.
 WENGER, DONALD 8. (S'55-M'59), Navy 830, Box 12,
 FPO, San Francisco, Calif.
 WENGER, FLOYD E. (A'53), Tech.Advisor, Air Research & Dev.
 Command, Electronics Component Div., RDTCT, Andrews AF8,
 Washington 25, D.C.
 WENGER, LE ROY S. (SM'53), Radio Engr., U.S. Information Agency, Internatl. Broadcasting Service, Washington 25,
 D.C.

- D.C.
 WENGER, RICHARD S. (SM'52), Design & Dev. Engr., RCA, New Holland Pike, Lancaster, Pa.
 WENGER, WILEY D. (SM'50), Sales Engr., RCA, 7901
 Empire Freeway, Dallas 35, fex.
 WENGERT, ROBERT A. (M'56), Research Engr., Computer
 Dept., Lockheed Missiles & Space Div., Sunnyvale, Calif.
 WENGLIN, SHEPARD (M'56), Assoc. Research Scientist,
 New York Univ., Elec. Engr., Dept., Bronx 53, N.Y.
 WENGRYN, MICHAEL (S '44-A'48-M'55), Head, Electronics Components Div., Kollsman Instrument Corp., 8008 45 Ave., Elmhurst 73, L.I., N.Y.
 WENICK, ROBERT L. (A'56), Electronics Engr., Hughes
 Aircraft Co., Fullerton, Calif.

- WENIG, JACOB (M'5B), 15-A Maple Dr., Baltimore 20, Md. WENINGER, FRANK L. (M'51), Chief, Electronics Prod. Engr., Bell & Howell Co., 7100 McCormick Rd., Chicago 45, III.

- Engr., Bell & Howell Co., 7100 McCormick Rd., Chicago 45, fli.

 WENK, ROBERT L. (A'5B), Hyrs. Sqdn. AFMDC, Box 547, Holloman AFB, N.M.

 WENNBERG, HAROLD A., JR. (A'54), Electronics Technician, David Taylor Model Basin, Washington 7, D.C.

 WENNER, JACK W. (S'53-A'54), Staff Engr., Prod. Dev. Lab., IBM, Poughkeepsie, N.Y.

 WENNER, ROGER G. (S'56-M'59), Sr. Engr., Research & Dev., Sperry Microwave Electronics Co., Clearwater, Fla.

 WENNERBERG, ALLAH L. (A'57-M'59), Electronics Engr., Whirlpool Corp., 300 Broad St., St. Joseph, Mich.

 WENNERBERG, ALLAH L. (A'57-M'59), Electronics Engr., Whirlpool Corp., 300 Broad St., St. Joseph, Mich.

 WENNERBERG, ALLAH L. (A'57-M'59), Mgr., Prod. Dev., Electronics & Avionics Div., Lockheed Aircraft Corp., 6201 E. Randolph St., Los Angeles 22, Calif.

 WENNERSTROM, DONALD O. (S'56-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 WENSLEY, DAVID C. (S'55-M'56), Assoc. Engr., Missile Div., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.

 WENT, JOHN J. (A'52), Switchman, New York Telephone Co.,

- monica, Jalli, WENT, JOHN J. (A'52), Switchman, New York Telephone Co., 360 Bridge St., Brooklyn 1, N.Y. WENTERS, RALPH L. (S'50-A'51-M'56), Sales Mgr., Staff Engr., Giannini Controls, Inc., 918 E. Green St., Pasadena, Calif.

- Staff Engr., Glannini Cortrols, Inc., 918 E. Green St., Pasadena, Calif.
 WENTWORTH, ALBERT M. (A¹41), Engr., Asst., Genl. Radio Co., 22 Baker Ave., West Concord, Mass.
 WENTWORTH, FREDERICK L. (S'43-A'55), Project Engr., Research Div., Electronic Communications, Inc., 1830
 York Rd., Timonium, Md.
 WENTWORTH, GERALD E. (S'49-A'51-M'56), Sr. Aerophysics Engr., Convair, Ft. Workh, Tex.
 WENTWORTH, H. BERNICE (A'53), Publications Officer, Federal Govt., Ft. Huachuca, Ariz.
 WENTWORTH, JOHN W. (S'48-A'50-M'55), Mgr., TV Terminal Equipment Engr., RCA, Canden 2, N.J.
 WENTZ, JAMES L. (S'53-A'55), Engr., Sandia Corp., Sandia Edse, Altoquerque, N.M.
 WENTZ, JESSE F. (A'41-SM'44), Engr., Bell Tel. Labs., Murray Hill, N.J.
 WENTZ, JOHN L. (A'56), Computer Engr., RCA Service Co., 700 Main St., Hardroof 15, Conn.
 WENTZEL, A. G., JR. (A'44-M'47), Elec. Engr., Forrestal Research Center, Princeton Univ., Princeton, N.J.
 WENTZEL, LEE S. (A'58), George D. Barboy Co., 2nd & Penn Sts., Reading, Pa.
 WENTZEL, MANFRED G. (A'51), Mem. Tech. Staff, Flight Test Operations, Space Technology Labs., Patrick AFB, Fla.
 WENZEL, GUILLERMO E. (A'53), Pres., Instalaciones
- Fla.
 WENZEL, GUILLERMO E. (A'53), Pres., Instalaciones
 Radio Electricas, C.A. (IRECA), Aportado del Este No.
 4556, Caracas, Venezuela.
 WENZEL, GUISS E. (A'56), Electronics Engr., Southwestem Industrial Electronics Co., Box 13058, Houston

- WENZEL, GUISS E. (A'56), Electronics Engr., Journewstern Industrial Electronics Co., Box 13058, Houston 19, Tex.

 WENZEL, JOHN H. (S'49-A'55), Engr., Sanders Associates, Canal St., Nashua, N.H.

 WENZEL, PAUL H. (A'5B), Service Mgr., GE Co., S.A. de C.V., S. Juan de Letran 37. Mexico., D.F., Mexico.

 WENZINGER, CARL J., JR. (S'49-A'50-M'55), Advanced Systems Engr., Dage Television Div., 10 & Sheridan Sts., Michigan City, Ind.

 WENZINGER, EDWARD C. (S'57-M'59), Asst. Dev. Engr., Burroughs Research Center, Paoli, Pa.

 WEPPLER, H. EDWARD (M'45), Toll Planning Engr., AT&T Co., 195 Broadway, New York 7, N.Y.

 WEPPNER, BENJAMIN H. (S'55-M'57), Electronics Engr., Comell Aeronautical Labs., Inc., 4455 Genesee St., Buffalo 25, N.Y.

 WERBICKAS, JOSEPH P. (A'51), Head, Electronics,

- WERBICKAS, JOSEPH P. (A'51), Head, Electronics, Guided Missiles & Engr. Equipment 5/N Branch, Marine Corps Supply Activity, 1100 S. Broad St., Philadelphia

- 46. Pa.

 WERBISKY, CARL E. (A'59), Instr., Provincial Institute of Technology & Art, Calgary, Alta., Canada.

 WERLE, BENJAMIN O. (S'58-M'59), Box 15B, Griffiss AFB., N.Y.

 WERLIN, JERRY H. (A'52), Sales Mgr., Eldorado Electronics Co., 2821 10 St., Berkeley 10, Calif.

 WERLINK, RUDOLPH (A'59), Design & Dev. Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Suffalo 21, N.Y.

 WERMAN, HERBERT M. (S'48-M'55), Elec. Engr., Evans Signal Labs., Belmar, N.J.

 WERMELSKIRCHEN, LOUIS M. (A'52-M'57), Application Engr., Gilmore Industries, Inc., 5713 Euclid Ave., Cleveland 3, Ohio.

 WERN, DANIEL W. (S'55-A'55). Electronics Engr., RCA.

- Cleveland 3, Ohio.

 WERN, DANIEL W. (S'55-A'55), Electronics Engr., RCA, Camden, N. J.

 WERNECKE, HARVEY W. (A'59), District Mgr., McGraw Hill Publishing Co., 520 N. Michigan Ave., Chicago, III.

 WERNER, CHARLES P. (S'52-A'53), Systems Programmer, Instrumentation Lab., MIT, Cambridge 39, Mass.

 WERNER, CHARLES T. (S'56-M'56), Research Engr., Defense Research Lab., Univ. of Texas, 500 E. 24, Austin, Tex.

- Tex.
 WERNER, G. LEONARD (M'46), Dir., Sales, The Astatic
 Corp., Harbor & Jackson St., Conneaut, Ohio.
 WERNER, H. CECIL (5'47-4'50-M'5B-SM'59), Engr.,
 Lockhed Missile & Space Div., Sunnyvale, Calif.
 WERNER, MICHAEL (M'59), Research Engr., Scientific
 Dept., Ministry of Defence, 80x 7063, Hakirya, Tel
 Aviv, Israel.
- WERNER, ROBERT E. (S'54-A'55), Electronics Engr., Univ. of California, Lawrence Radiation Lab., Livermore, Calif.
- Calif.

 WERNER, ROBERT L. (SM'53), V.P. & Genl. Atty., RCA, 30 Rockcfeller Plaza, New York 20, N.Y.

 WERNER, ROBERT V. (SM'5B), V.P. & Genl. Mgr., Cubic Corp., 5575 Keamy Villa Rd., San Diego 11, Calif.

 WERNER, WILLIAM (S'53-A'55), Test Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis, Minn.

 WERNER, WILLIAM F. (S'50-A'52-M'57), Reliability Engr., GE Co., Utica, N.Y.

 WERNER, WILLIAM T. (S'50-A'52-M'58), Job Study Engr., Proctor & Gamble, 18 St., Kansas City, Kan.

- WERNICK, DAVID H. (A'59), Engr., Microwave Development Lab., 92 Broad St., Wellesley, Mass.
 WERNICK, HYME (A'51-M'58), Sr. Project Engr., Prod. Design, Genl. Instrument Corp., Chicopee, Mass.
 WERNICK, JEROME I. (A'53), Electronics Engr., Sperry Gvroscope Co., Great Neck, L. I., N. Y.
 WERNLEIN, CHARLES E., JR. (S'51-A'53-M'56), Research Asst., MIT, Cambridge 39, Mass.
 WERNLI, JOHN M. (S'50-A'52-M'57), Sr. Engr., Ampex Corp., 934 Charter St., Redwood City, Calif.
 WERNLUND, ROGER F. (A'52-M'57), Chief Engr., Frank-Ilis Systems, Inc., 2734 Hillsboro Rd., West Palm Beach, Fla.
- WERRMANN, CHARLES A. (A'52) Instr., Communications, Ohio Mechanics Institute, Walnut & Central Pkwy., Cin-cinnati, Ohio.
- crimati, Unio.
 WERSEN, DAVID T. (A'36-VA'39-M'49), Coordinator
 Electronics & Research, Los Angeles Trade Technical
 College, 400 W. Washington 8lvd., Los Angeles 15,
- CANT.

 RESHOVEN, GUSTAVE A. (A'54), Mem. Tech. Staff, Research & Dev. Labs., Hughes Aircraft Co., Culver City, Calif.
- WERST, HAROLD J. (A'54-M'56), West Coast Rep., Mo-torola, Inc., 6555 Sunset Blvd., Hollywood 2B, Calif. WERST, MERVIN C. (4'55-M'55), Sr. Engr., Microwave Electronics Div., Sperry Gyroscope Co., Great Neck, L.J., N.Y.
- WERT, ROBERT M. (S'55-M'59), Design Engr., Convair-Astronautics, San Diego 11, Calif. WERTH, ANDREW M. (S'54-M'56), Design Engr., ITT Labs., Nutley 10, N.J.

- WERTH, JOHN J. (WERTH, JOHN J. WERTH, JOHN J. (NEIGH J. ACF Industries, Inc., 11 Park Pl., Paramus, N.J. WERTH, MICHAEL W. (S'48-A'49-M'52), Registered Patent Atty., Patent Sect., Dept. of Justice, Washington, D.C.
- WERTHEIM, LEONARD A. (S'56-M'57), Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N.Y.
- WERTHEN, HANS L. O. (A'46-M'55), Dir., Telefonak-tiebolaget L.M. Ericsson, Midsommarkransen, Stockholm, Sweden.
- Sweden.

 WERTMAN, RICHARD C, (M'53), Project Engr., ITT
 Labs., Nutley 10, N.J.

 WERTS, L. CLYDE (S'45-4'48-M'55), Assoc. Prof.,
 Elec. Engrg, Lovola Univ. of Los Angeles, 7101 W.
 80 St., Los Angeles 45, Calif.

 WERTWIJN, GEORGE (SM'58), Physicist, Zenlth Radio Corp.,
 6001 W. Dickens, Chicago 39, III.

 WERTZ, CARL C. (S'57-M'58), Elec. Engr., Sperry
 Utah Engrg. Lab., 322 N. 21 St., W., Salt Lake
 City, Utah.

 WERTZ. HIGHS (CAMISS) DIS COMMENT OF COMMENT OF CAMISS)

- City, Utah.

 WERTZ, HUGH S. (SM'52), Div. Patent Atty., Bell Tel.
 Labs., Murray Hill, N. J.

 WESBROOK, GLYNN E. (S'77-A'57), Engrg. Technician,
 Northern Electric Co., Ltd., Belleville, Ont., Canada.

 WESCOTT JAMES C. (A'47), Field Engr., Western
 Electric Co., Chatham Rd., Winston-Salem, N. C.

 WESENBERG, CLARENCE L. (M'57), Sr. Electronics
 Engr., Stromberg-Carlson Co., 1400 N. Goodman St.,
 Rochester 9, N.Y.
- WESENBERG, CORBIT M. (M'54), Group Leader, Tube Dev. Group, Research Lab., Eitel-McCullough, Inc., San Bruno, Calif.

- WESLEY, CHARLES A. (A'43-M'55), Stelma, Inc., 200 Henry St., Stamford, Conn. WESLEY, GEORGE H. (M'57), Sr. Electronics Engr., Con-vair, 1675 W. 5 St., Pomona, Calif. WESMAN, CHESTER H. (S'50-A'51-M'58), Asst. Engr., Signals & Communications, Great Northern Railway Co., 175 E. 4 St., St. Paul 1, Minn.
- WESP, IRWIN H. (M'55), Supt., Test Equipment Quality Control, Pan American World Airways, Patrick AFB, Fla WESPISER, HENRY J. (S'57-M'59), Engr., Granger Associates, 966 Commercial St., Palo Alto, Calif.
- WESSECHER, FRANCIS W. (S'49-A'51-M'56), Dev. Engr., American Bosch Arma Corp., Garden City, L.I., N.Y.

- N.Y.
 WESSEL, GUNTER K. (SM'59), Physicist, GE Co.,
 Syracuse. N.Y.
 WESSEL, HENRY J. (A'54), Project Engr., Test Equipment
 Desion. Hughes Aircraft Co., El Segundo, Calif.
 WESSEL, ROBERT E. (S'55-M'57), Mem. Tech. Staff,
 Space Electronics Corp., 1200 Air Way, Glendale, Calif.
 WESSEL-BERG, TORE (A'55), Research Physicist, Norwegian Defence Research, Est., Radar DIv., Bergen, Norway.

- way.
 WESSELMAN, EUGENE (A'27-VA'39), Sales Engr., Jerry
 Golten Co., 2750 North Ave., Chicago 47, III.
 WESSELS, PHILIP S. (M'53-SM'54), Test Equipment
 Group Engr., Convair, Pomona, Calif.
 WESSENBERG, HOWARD W. (A'58), Chief Engr., Radio
 & TV Div., Triangle Publications, 1110 Chapel St., New
 Haven, Conn.
- MESSER, CARL JR. (A'56), Partner, Wesser Marine & Mobile Radlo. 3356 20 St.. Wyandotte, Mich. WESSER, CARL H. (A'41-M'42-SM'43), Chief Facilities Engr., WWJ, WWJFM, WWJTV, The Detroit News, 620 W. Lafayette Blvd., Detroit 31, Mich.

- W. Lafayette Bivd., Detroit 31, Mich.
 WESSLING, RICHARD (M/58), District Mgr., 445 N. La
 Saile St., Chicago 10, III.
 WESSLUND, ROBERT E. (S'49-A'51-M'56), Elec. Engr.,
 Reminqton Rand Univac. St. Paul, Minn.
 WEST, ARTHUR A. (S'56-M'58), Elec. Engr., GE Co.,
 Syracuse. N.Y.
 WEST, BRUCE M. (A'51-M'56), Sr. Project Engr., AC
 Spark Plug Div., 1925 E. Kenilworth, Milwaukee 12,
 Wist
- WEST, CHARLES 8. (S'53-M'56), Sr. Elec. Engr., ITT Labs., Nutley 10. N. J. WEST, CHARLES F. (M'48), Pres., Soroban Engrg., Inc., Box 1717, Melbourne. Fla.
- WEST, DONALD 8. (M'58), Mem. Tech. Staff, Space Technology Labs., Inc., Box 95001, Los Angeles 45, Calif.
- WEST, EARL 8. (M'57), Prod. Engr., Bendix Aviation Corp., 400 S. Beiger, Mishawaka, Ind.
- EST, EDWARD B. (M'59), Sr. Applied Science Rep., ISM, 1111 Connecticut Ave., N.W., Washington, D.C.

- WEST, EDWIN A., JR. (\$'56-M'59), Assoc. Engr., Boeing Airnlane Co.. Box 107, Seattle 14, Wash. WEST, GENE A. (\$'57-A'59), Engr., AC Spark Plug Div., 1925 E. Kenilworth Pl., Milwaukee, Wis. WEST, GEDRGE P. (A'54), Mem. Tech. Staff, Ramo-Wooldridge Corp., 8820 Bellanca Ave., Los Ángeles 45, Calif.
- WEST, HARLEY B., JR. (S'5D-A'51-M'58), Sales Engr., Semiconductor Prods. Div., Motorola, Inc., 5DD5 E. Mc-Dowell Rd., Phoenix, Ariz.
- WEST, HERBERT L. (A'49-M'55), Head, Systems Dev. Branch, Sonar Div., ASW Lab., U.S. Naval Air Develop-ment Center, Johnsville, Pa.

- ment Center, Johnsville, Pa.

 WEST, JAMES L. (4'7-M'55-SM'55), Asst. Dir., Labs., Link Avlation, Inc., Binghamton, N.Y.

 WEST, JAMES P. (5'46-A'48-M'52), Maj., USAF Communications & Electronics Staff Officer, Dir., DCS/O, Hdrs. USAF, Pentagon, Washington 25, D.C.

 WEST, JAMES S. (5'48-A'50-M'55), Electronics Scientist. Naval Research Lab., Washington 25, D.C.

 WEST, JOHN E. (A'57), Tech. Writer, Librascope, Inc., 808 Western, Glendale, Calif.

 WEST, JULIAN M. (SM'54) Canl. Dev. Head. Pall 75.
- WEST, JULIAN M. (SM'54), Genl. Dept. Head, Bell Tel. Labs., Whippany, N.J.
- WEST, KEN A. (M'47-SM'56), Electronics Engr., Air Force Missile Test Center. Patrick AF8, Fla. WEST, LEONARD G. (S'57-M'59), Engr. C, RCA, Camden,
- WEST, LLOYD E. (A'27-M'37-SM'43), Genl. Mgr., Lloyd E. West Co., 262 S. Los Robles Ave., Pasadena,
- WEST, NDRMAN H. (S'55-M'57), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. WEST, RICHARD E. (A'54), Staff Mem., Sandia Corp., Sandia Base. Albuquerque, N.M.
- WEST, ROBERT L. (S'51-A'52-M'57-SM'57), Dev. Engr., IBM. Pounhkeesie, N.Y.
 WEST, ROGER A. (S'57-M'59), 111 Corte Madera, Portola

- Valley, Calif.
 WEST, RUSSELL G. (S'56-M'59), Electronics Engr.,
 Motorola, Inc., Phoenix, Arlz.
 WEST, SAM F. (S'41-A'42), Electronics Consultant, 19671
 Gary Ave., Sunnyvale, Calif.
 WEST, SEYMOUR S. (S'49-A'51-M'58), Research Fellow
 Bio-Electronics, Medical School, Western Reserve Univ.,
 2109 Adelbert Rd., Cleveland 6, Ohio.
 WEST, WILLIAM H., JR. (M'57), Project Engr., Infra-red
 Detector Lab., Government & Industrial Div., Philoc Corp.,
 4700 Wissahickon Ave., Philadelphia 44, Pa.
 WEST, WILLIAM P. (A'36-M'44-A'M'45), Dev. Engr.,
- WEST, WILLIAM P. (A'36-M'44-SM'45), Dev. Engr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.
- WESTALL, CAREY L. (S'57-M'58), 8akersfield College 8akersfield, Calif
- Bakersfield, Calif.
 WESTBERG, RICHARD W. (A'55), Mem. Tech. Staff, Bell
 Tel. Labs., 555 Union Blvd., Allentown, Pa.
 WESTBOM, A. CARL, JR. (A'49-M'55-SM'57), Dir.,
 Research & Dev. Div., Harvey Wells Electronics, 5168
 Washington St., West Roxbury, Mass.
- WaShington St., West Robothy, Mass. WESTBROOK, EDWIN P. (A'43-M'55), Elec. Engr., High Voltage Engrg. Corp., 8ox 98, Burlington, Mass. WESTBROOK, RUSSELL D. (A'43-M'55), Physicist, Natl. Carbon Co., Div., Union Carbide & Carbon Corp., 8ox 6116, Cleveland, Ohio.
- Cleveland, Ohio.
 WESTBURG, VERNON B (S'46-A'49-M'56), Research
 Specialist, Boeing Airplane Co., Seattle 24, Wash.
 WESTBURY, RODSEVELT (M'58), Main Station Supvr.,
 Federal Electric Corp., Paramus, N. J.
 WESTBURY, THOMAS J., JR. (M'58), Engr., Sperry Piedmont Co., Rec. 29, Charlottesville, Va.
 WESTCOT, JAMES L. (S'48-A'50-M'54-SM'57), Dept.
 Mgr., Collins Radio Co., Cedar Rapids, Iowa.
 WESTCOTT, DAVID B. (S'55-M'54), Dozine Fore, Dadio

- Mgr., Collins Radio Co., Cedar Rapids, Jowa WESTCOTT, DAVID 8, (5'55-M'56), Design Engr., Radio Valve Co., Ltd., 189 Dufferin St., Toronto 3, Ont., Canada WESTCOTT, EDMUND J. (M'59), Systems Enor., RCA Ser-vice Co., 217 Highland Ave., Westmont, N. J. WESTCOTT, HENRY H. (A'52-M'58), Engrg. Leader, RCA, Camden, N. J.
- Camden, N. J.
 WESTCOTT, HOYT S., JR. (M'49), Branch Staff Services
 Mgr., Curtiss-Wright Corp., Electronics Div., 4401 Lunada,
 S. E., Albuquerque, N. M.
 WESTCOTT, JAMES P. (SM'54), Sect. Mgr., Western
 Dev. Labs., Philico Corp., 3875 Fablan Way, Palo Alto,
 Calif.

- Calif.

 WESTCOTT, VERNON C. (A'41-M'55), Pres., TransSonics, Inc., Burlington, Mass.

 WESTENHAVER, JOHN L., JR. (S'48-A'49-M'55), Mem.
 Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 WESTENHAVER, MATTHEW E. (A'52), Prof., Dept. of
 Radio Enroy., Tri-State College, Angola, Ind.

 WESTERBERG, GOSTA E. (M'59), Asst. Aviation Sales
 Mgr., Collins Radio Co., Cedar Rapids, Jowa.

 WESTERBERG, KJELL S. R. (A'56), Research Engr., Philips Teleindustri AB, Segelbatsvagen 9, Stockholm, Sweden
 WESTERFELD, EDWIN E. (S'50-A'33-M'58), Fror.
- WESTERFIELD, EDWIN E. (S'50-A'53-M'58), Engr., Applled Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- WESTERFIELD, EVERETT C. (M'56), Physicist, Navy Electronics Lab., San Diego 52, Calif. WESTERHULT, BERTIL C. O. (A'51), Research Engr., A. G. A., Lidingo, Sweden.
- WESTERLUND, CHARLES T. (S'57-M'58), Systems Engr., Kellogg Switchboard & Supply Co., 6000 W. 51 St., Chi-cago 38, III.
- WESTERLUND, KARL I. K. (\$'49-A'52-M'57), Div. Engr., Cincinnati Milling Machine Co., Inc., Marburg Ave., Cin-cinnati 9, Ohio.
- connat 9, Ohio,
 WESTERN, CEDRIC (A'54), Propr., Castle Television Tuner
 Service, 1723 W. Lunt Ave., Chicago 26, III.
 WESTERN, RALPH E. (S'49-A'51-M'56), Dev. Engr.,
 Collins Radio Co., Cedar Rapids, Iowa.
 WESTERVELT, JOHN C. (A'55), Project Engr., Century
 Electronics & Instruments, Inc., 1333 N. Utica, Tulsa,
 Okla.
- WESTFALL, WALLACE D. (S'58-M'58), Electronics Scientist, USN Electronic Lab., San Diego 52, Calif. WESTHAVER, ROBERT O. (S'55-M'58), Engr., Research & Dev., Detroit Controls Corp., 100 Morse St., Norwood, Mass.
- WESTHEIMER, MANFRED (S'47-A'52-M'56), Staff Consultant, MSI Communications Consulting Engrs., Times Tower Bldg., New York, N. Y.

- WESTLAKE, NORMAN L., JR. (A'52-M'58), Sr. Engr., Northeastern Engrg., Inc., Manchester, N. H. WESTLAKE, PHILIP R. (A'44-M'55), Sr. Research Engr., Jet Propulsion Lab., California Institute of Technology, 4800 Oak Grove Dr., Pasadena, Calif.
- WESTLAND, RONALD A. (S'57-M'59), Electronics Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio. WESTLUND, CLAY D. (SM'55), Instr., Dept., Elec. Engr., Univ. of Illinois, Urbana, III. WESTMAN, HAROLD P. (J'24-A'25-M'30-SM'43), Editor, Electrical Communication, IT&T, 67 Broad St., New York 4, N.Y.
- WESTMAN, HAROLD P., JR. (S'47-A'49-M'55), Pres., All-Tronics, Inc., 45 Bond St., Westbury, L.I., N. Y. WESTMAN, HOWARD E. (M'53), Chief, Radio Engrg. Sect., DCS/Communications, Hgrs., USAFE-ADVON, APO 12, New York, N. Y.
- New York, N. Y.
 WESTMAN, JDEL J. (S'54-M'57), Research Engr., Hughes
 Aircraft Co., Culver City, Calif.
 WESTMAN, WALTER W., JR. (S'52-A'55), Sect. Supvr.,
 (Elec.), Sandia Base. Albuquerque. N. M.
 WESTMARK, JOHN E. (A'53-M'59), Sr. Research Engr.,
 Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cinclimati 25, Ohio.
 WESTMEVED. 1858-8.
- WESTING THE VERY ADDICE 1 AND SCIENCE OF THE VERY ADDICE 1 AND SCI
- Box 44, Princeton, N. J.
 WESTON, BRUCE J. (M'55), Staff Mem., Sandia Corp.,
 Sandia Base, Albuquerque, N. M.
 WESTON, FRANCIS B. (1'30-A'31-VA'39), Tool Designer,
 Pratt & Whitney Aircraft, Main St., East Hartford B, Conn.
 WESTON, JASPER B. (A'57), Supt., Electronics, Alabama
 School of Trades, Gadsden, Ala.
- WESTON, PETER E. (M'56), Chief Inspector, De Havilland Aircraft Pty., Ltd., 8ox N1686 G. P. O., Adelaide, South Australia
- Australia,
 WESTON, SIMEON (S'40-A'41-M'44-SM'51), Exec.
 V.P., Lambda Electronics Corp., 11-11 131 St., College
 Point 56, L.I., N. Y.
 WESTOVER, THOMAS A. (A'48-SM'55), Chief Control
 Systems Engr., Servo Corp. of America, 2020 Jericho
 Toke, New Hyde Park, L.I., N. Y.
 WESTPHAL, FRANK C. (S'56-M'58), Engr., John Oster
 Mfg. Co., Racine, Wis.
 WESTPHAL, WILLIAM B. (A'43-M'55), Research Engr.,
 Lab. for Insulation Research, MIT, Cambridge 39, Mass.
 WESTRATE, MILLARD C. (A'43-M'55), Chief Elec. Engr.

- Lab. for Insulation Research, MIT, Cambridge 39, Mass.
 WESTRATE, MILLARD C. (A'43-M'55), Chief Elec, Engr.,
 Commonwealth Associates, Inc., 209 E. Washington Ave.,
 Jackson, Mich.
 WESTWICK, ORWIN B. (M'57), Engrg. Asst., Univ. of
 California, Berkeley, Calif.
 WESTWOOD, DAVID H. (SM'56), Engrg. Group Mgr., RCA,
 Camden, N. J.
 WESTWOOD, DENNIS (M'45), Sr., Lecturer, Elec, Engrg.,
 College of Technology, Oxford, England.
 WETHERELL, MERLE L. (S'54-M'56), Elec, Engr., The
 Emerson Electric Mfg. Co., 8100 Florissant Ave., St.
 Louis 21, Mo.

- WETHERILL, CLARENCE A. (SM'54), Chief Engr., Stromberg-Carlson Co., 1895 Hancock St., San Diego 10, Calif. WETHINGTON, THOMAS G. (S'56-M'57), Principal Flight. Test Engr., Republic Aviation Corp., Farmingdale, L.I., N.Y.
- N.Y.
 WETLI, ROBERT G. (S'57-M'59), 2728-61 S.W.,
 Seattle 1', Wash.
 WETMORE, GEORGE 8. (S'52-A'54-M'58), Principal
 Engr., Emerson Research Labs., 701 Lamont St., N.W.,
 Washington, D. C.

- Washington, D. C.
 WETMORE, GEORGE C. (M'56), Sales Engr., Collins Radio Co., 1832 M St., N. W., Washington 6, D. C.
 WETMORE, WARREN L. (A'45), Physicist, Corning Glass Works, Corning, N. Y.
 WETTER, RICHARD J. (S'56-M'59), Jr. Engr., AC Spark Plug Div., 1925 E. Kenilworth Pl., Milwaukee 1, Wis. WETTERAU, LIN C., JR. (M'56), Engr., Dev. Dest. Semi-Conductor Components Div., Texas Instruments, Inc., 80x 312, Dallas, Tex.
 WETZ, ROGER H. (M'51-SM'54), Sr. Engr., Crosley Div., Avco Mig. Corp., Cincinnati 25, Ohio.
 WETZEL, GRANT N. (A'51-M'54), Engr., Collins Radio Co., Cedar Rapids, Iowa.
 WETZEL, KENNETH C. (S'53-A'54), Elec. Engr., Stavid Engrg., Inc., U. S. Hwy. 22, Plainfield, N. J.
 WETZEL, LEWIS D. (M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J.
 WETZEL, LEWIS D. (S'52-A'53-M'58), Consulting Engr. (Broadcast), Kear & Kennedy, 1302 18 St., N. W., Washington, D. C.

- WETZLER, CHARLES E. (M'55), Pres., Vibro Mfg. Co., Inc., 6117 Roosevelt Ave., Woodside 77, L.I., N.Y. WEVER, LIVINGSTON R. (M'48), Supvy. Electronics Engr., Air Force Missile Test Center, Patrick AFB, Fla. WEXELBAUM, ROBERT I. (M'59), Electronics Engrg., Emerson Radio & Phonograph Corp., 14 & Cole Sts., Jersey City, N. J.

- WEXLER, BERNARD (A'58), Dental Surgeon, 1801 N. Wood Ave., Linden, N. J. WEXLER, CHARLES H. (S'48-A'50-M'55), Asst. Techno-logist, U. S. Steel Corp., Applied Research Lab., Monroelogist , U . ville , Pa .
- WEXLER, HAROLD (M'56), Mgr., Engrg. Services, Lewyt Mfg. Corp., 43-22 Queens St., Long Island City, N. Y. WEXLER, HERBERT T. (SM'55), Group Leader, Function Analysis, Avoc Rosearch & Advertising Div., 20 S. Union St., Lawrence, Mass.
- WEXLER, IAR (S'54-M'58), Teaching, Research, Downstate Medical Center, 450 Clarkson Ave., Brooklyn, N. Y.
 WEXLER, JOEL S. (M'56), Sr. Engr., Cook Research Labs., 6401 Oakton, Morton Grove, III.
 WEXLER, JORDAN M. (S'57-M'59), Engr., GE Co., Evendale, Ohio
- Unio.
 WEXLER, JOSEPH S. (SM'58), Group Leader, Hallicrafters
 Co., 4401 W. 5 Ave., Chicago, III.
 WEXLER, MAURICE P. (S'47-A'48-M'55), Fellow Engr.,
 Westinghouse Elec. Corp., 1405 Parker Rd., Baltimore,
 Md.
- WEXLER, PHILIP S. (A'55), Sales Engr., Kahgan Sales Corporation, 1261 Broadway, New York 1, N,Y.

- WEYGANDT, PHILIP A. (S'55-M'57), Sales Engr., Clevite Transistor Prods., 6261 W. Grand Ave., Chicago, Ill. WEYLER, GEORGE M., JR. (M'56), Aero Research Engr., Army Ballistic Missile Agency, G & C Lab., Redstone Arsenal, Ala.
- WEYRAUCH, HERBERT E. (S'45-M'48), Administrator, Engrg. Div., Maico Electronics, Inc., 21 N. 3rd St., Minneapolis 1, Minn.

- Minneapolis 1, Minn.

 WEYRICH, ROBERT N. (S'57-M'59), Elec. Engr., Admiral Corp., 3800 W. Cortland St., Chicago, Ill.

 WEYRICK, ROBERT C. (A'52-M'57), Group Leader, Computing Engrg. Dept., Goodyear Aircraft Corp., 1210

 Massillon Rd., Akron 15, Ohio.

 WEYTZE, DUCO W. (A'55), Engr., Canadair, Ltd., Special Weapons Div., Plant #4, Box 6087, Montreal, P. O., Canada. WHALE, GORDON S. (A'47-M'55), Principal & Prop., Wireless College, Colwyn Bay, North Wales.

 WHALEN, ANTHONY D. (S'56-M'57), Lt., USAF, Communications Officer, 2Bth Air Div., Hamilton AFB, Calif.

 WHALEN, BERNARD F. (S'48-M'50-M'58), Electronics Engr., U. S. Atomic Energy Commission, New Brunswick, N. J.

 WHALEN, JAMES F. (M'54). Flee, Engr., Amenca Next.

- N.J.
 WHALEN, JAMES F. (M'54), Elec. Engr., Argonne Natl.
 Lab., Box 299, Lemont, Ill.
 WHALEN, JOSEPH A. (A'56), Regional Customer Engrg.
 Mgr., IBM, 616 S. Michigan Ave., Chicago 5, Ill.
 WHALEN, PHILIP K. (S'52-A'53-M'58), Electronics Engr.,
 Motorola, Inc., Riverside, Calif.
 WHALEN, PHYLLIS P. (A'54), Head Librarian, Clevite Corp.,
 Research Center, 540 E., 105. (Cleveland B., Ohio.
 WHALEN, RICHARD J. (A'53-M'58), Asst. Genl. Mgr.,
 IBM, Kingston, N.Y.
 WHALEN, ROBERT M. (A'52-M'57), Project Engr., 18M,
 Poughkeepsie, N.Y.
 WHALEN, EDWARD W. (M'57), Supvr., C. G. Electronics

- Pounhkeepsie, N.Y.
 WHALEY, EDWARD W. (M'57), Supvr., C. G. Electronics
 Corp., 15000 Central Ave., Albuquerque, N.M.
 WHALEY, HAROLD R. (SM'57), Engrg. Consultant, Airborne
 Electronics Dept., Stavid Engrg., Inc., Hwy. 22, Plainfield,
 N.J.
- N.J.

 WHALEY, WILLIAM W. (M'56), Engr., Arma Corp., Roosevelt Field, Garden City, L.I., N.Y.

 WHALLEY, JOSEPH M. (S'50-A'52-M'57), Tech. Staff, Hughes Research & Development Labs., Culver City, Calif.

 WHALLEY, WILFRID 8. (A'37-SM'51), TV Engr., CBS TV, Inc., 485 Madison Ave., New York 22, N.Y.

 WHAN, DON F. (A'55), Chief Engr., Central Broadcasting Co., KCNY, San Marcos, Tex.

 WHANNEL, RAYMOND L. (A'27-M'55), Electronics Scientist (Consultant), USN Underwater Sound Lab., Box 271, New London, Conn.

 WHARTON, CHADLES 8. (S'40-ALE3, MIED, SMIED), TIME CONTRACTOR CHADLES 8. (S'40-ALE3, MIED, SMIED).

- Undon, Conn.

 WHARTON, CHARLES 8. (S 149-A 153-M 158-SM 159), Electronics Engr., Microwave Plasma Diagnostics, Univ. of California Radiation Lab., Box 808, Livermore, Calif.

 WHATLEY, EVERETT C., JR. (SM 55), Sect. Mgr., Engrg., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore 3, Md.

 WHATLEY DELIGES.
- more 3, Md.

 WHATLEY, RENDER L. (M'45), Supvg. Engr., Crosley Div., Avco Mfg. Corp., 1329 Affington St., Clicimati 25, Ohlo. WHATLEY, WILLIAM W. (A'53), Project Test Engr., Hughes Aircraft Co., 80x 11337, Tucson, Ariz.

 WHEALY, JOSEPH E. (SM'53), Design Supvr., Hazeltine Electronics Corp., Little Neck 62, L.I., N.Y.

 WHEAT, WILSON M. (A'49-M'55), Pres., Wheat Electric Co., Inc., 940 E. Trafficway, Springfield, Mo.

 WHEATLEY, DONALD M. (A'57-M'57), Chief Engr., Vermont Broadcasting Corp., WJOY, 633 Main St., Burlington, V.

- ton, Vt.
 WHEATLEY, WILLIAMA: (S'48-A'50-M'55), V. P.,
 Strand Engrg. Co., 1354 N. Main St., Ann Arbor, Mich.
 WHEATON, LEON H. (S'58-A'58), TechRep., Field Engr.,
 Philoc Ocro., 22 St. & Lehigh Ave., Philadelphia 32, Pa.
 WHEATON, THORNTON H. (A'44), Supt., Communications,
 Northern Consolidated Airlines, Inc., Internat. Airport Anchorage, Alaska.
- WHEELANS, ROBERT 8. (A'56), 5 Gilgorm Rd., Toronto 12, Ont., Canada
- WHEELER, ALFRED J. (A'55), Engr., RCA, Rte. 202, Somerville, N. J.
- WHEELER, B., FREDERICK (J'29-A'35-M'45-SM'52), Surface Communication Engrg., Defense Electronic Prods., RCA, Camden 2, N. J.

- WHEELER, CARSON M. (A'28-SM'44), Consultant, 8ox 116, Pine Brook, N. J.
 WHEELER, CARSON M. (A'28-SM'44), Consultant, 8ox 116, Pine Brook, N. J.
 WHEELER, DANIEL E. (A'53-SM'59), V. P. & Chief Engr., Stewart Engrg. Co., 8ox 727, Soquel, Calif.
 WHEELER, DELBERT D. (S'55-M'56), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Santa Monica, Calif.
 WHEELER, DELSTON, CARSON, CARSON, CARSON, CALIF.
- MONICA, Calif.

 WHEELER, DEXTERR (S'54-M'57), Electronics Design Engr., National Co., Inc., 61 Sherman St., Malden, Mass.

 WHEELER, ELLIOTT B. (M'57), Research & Dev. Engr., Drexelbrook Engrg. Co., 1417 Edgehlll Rd., Ablington, Pa. WHEELER, FRANK K. B. (S'44-A'46-M'55-SM'58), Capt., USN, Pearl Harbor Naval Shipyard, Pearl Harbor, Hawaii.
- Capt., USN, Pearl Harbor Naval Shipyard, Pearl Harbor, Hawaii.

 WHELLER, GEORGE W. (S'48-A'51-SM'55), Dir., Transmission Systems Dev., Bell Tel. Labs., Murray Hill, N. J. WHEELER, GERSHON.). (SM'54), Engrg., Specialist, Sylvania Elec, Prods., Inc., Microwave Physics Lab., 80x 1296, Mountain View, Calif.

 WHEELER, GRANT M., JR. (S'52-M'56), Design Engr., RCA, Moorestown, N. J.

 WHEELER, GRANT M., JR. (S'52-M'28-F'35), Consulting Radio Physicist, Pres., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L. I., N. Y.

 WHEELER, HARVEY T. (J'27-A'29-M'45), Engrg.-Purchasing, KPRC, 80x 1234, Houston 1, Tex.

 WHEELER, JOHN C., JR. (S'57-A'58), Electronics Technician, Gates Radio Co., 123 Hampshire, Quincy, Ill.

 WHEELER, JOHN C., JR. (S'57-A'58), Polytal Communication Lab., Research & Advanced Div., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 WHEELER, LESTER & (A'41-M'47), Electronics
 Engr., Bureau of Ships, Navy Dept., Washington 25, D.C.

 WHEELER, MYRON S. (A'43-M'55), Advisory Engr.

- WHEELER, MYRON S. (A'43-M'55), Advisory Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
- WHEELER, NATHAN D. (A'57), Assoc. Engr., IBM,

- WHEELER, RANDOLPH B. (A'46-M'55), Mfg. Planning Supvr., Electronic Tube Div., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- Great Neck, L.I., N.Y.
 WHEELER, RAYMOND D. (A'56), 1st Lt., USAF.,
 Teletype Maint. & Tech. Control Officer, 27th Communications Sqdn., APO 334, San Francisco, Calif.
 WHEELER, ROBERT H. (M'56), Supvy. Physicist, USN
 Mine Defense Lab., Panama City, Fla.
 WHEELER, ROBERT R. (S'57-A'58), Assoc., Bulova
 Research & Development Labs., 6210 Woodside Ave.,
 Long Island City, N.Y.
 WHEELER, ROSS W. (A'53), Sr. Design Specialist,
 G.M. Gainini Co., 1902 W. Chestnut, Santa Ana,
 Calif.

- Calif.
 WHEELER, THOMAS J. (M'5B), Field Engr., Western
 Electric Co., Chatham Rd., Winston-Salem, N.C.
 WHEELER, WILLIAM P. (5'5B-M'59), Rte. 2, 8 ox 30,
 Merritt (sland, Fla.)
 WHEELER, WILLIAM R. (S'43-A'44-M'49), Mgr.,
 Materials & Techniques Branch, Sylvania Elec. Prods.,
 Inc., 500 Evelyn Ave., Mountain View, Calif.
 WHEELESS, LEON L., JR. (S'55-M'59), Design Engr.,
 Bausch & Lomb Optical Co., 635 St. Paul St., Rochester,
 N.Y.

- WHEELON, ALBERT D. (M'56-SM'58), Sr. Tech. Staff Mem., Space Technology Lab., Inc., Los Angeles 45,

- Mem., Space Technology Lab., Inc., Los Angeles 45, Calif.

 WHELON, WESLEY E. (A'5B), Owner, Arctronix, 90
 E. Montecito Ave., Sierra Madre, Calif.

 WHELAN, C. RICHARD (M'52), Staff Mem., Hycon Eastern, Inc., 75 Cambridge Rywy., Cambridge 42, Mass.

 WHELAN, C. RICHARD (M'52), Staff Mem., Hycon Eastern, Inc., 75 Cambridge Rywy., Cambridge 42, Mass.

 WHELAN, DHAIRLES D. (M'57), Engr., Bendix Aviation Corp., Red Bank Div., Eatontown, N. J.

 WHELAN, DANIEL E. (S'49-A'50-SM'57), Chief Systems Engr., Instrument Div., American Electronics, Inc., 9503 W. Jefferson Blvd., Culver City, Calif.

 WHELAN, EDWARD H. (M'55), Electronics Scientist, Sect. BS. 40, Natl. Sureau of Standards, Boulder, Colo.

 WHELAN, FRANCIS X., JR. (A'52), Field Rep., Land-Air, Inc., 744 Wilson Ave., Chicago 31, Ill.

 WHELAN, ROBERT E. (A'53), Sales Engr., Neal Bear Corp., 2801 Far Hills Ave., Dayton 19, Ohio.

 WHELAN, WILLIAM R. (S'58-A'59), Assoc. Engr., Genl. Magnetics, Inc., 135 Bloomfield Ave., Bloomfield, N. J.

 WHELDRN, JOHN W. (S'48-A'51-M'56), Genl. Foreman, Quality Control, Environmental Testing, Model Shop Test & Production Test, Raytheon Mig. Co., Waltham 54, Mass.

 WHELPTON, JABEZ P. (A'54), Sr. Elec. Engr., Raytheon Mig. Co., Waltham 54, Mass.

 WHELDEN, GLENN H. (M'57), Tech. Consultant, Henry S. Dabdoub, S. A., 13 Filomeno Mata, Mexico City, D. F., Mexico.

 WHIFFEN, MAURICE C. (S'52-A'54), Nuclear Engr., Lockheed Aircraft Corp.

- Mexico.
 WHIFFEN, MAURICE C. (S'52-A'54), Nuclear Engr.,
 Lockheed Aircraft Corp., Marietta, Ga.
 WHIFFEN, RICHARD E. (S'42-A'48-M'51-SM'53),
 Asst. Genl. Mgr., Bendix Prods. Div., Missiles, 400
 S. Beiger St., Mishawaka, Ind.
- S. Beiger St., Misnawaka, Jino.
 WHIGHAM, THOMAS J. (5'57-M'58), Electronics Circuit
 Engr., Raytheon Mfg. Co., 55 Chapel St., Newton, Mass.
 WHINNA, EARL W. (A'54), Whinna Radio & TV Service,
 8028 S. Throop St., Chicago, Ili.
 WHINNERY, JOHN R. (A'41-SM'44-F'52), Chmn.,
 Elec. Engrg. Div., Univ. of California, Berkeley 4,
 Calif.

- Cair.
 WHIPPLE, ALBERT J. (S'56-M'57), Administrative Asst.,
 Convair, Ft. Worth, Tex.
 WHIPPLE, GRANT D. (M'46), Sales Engr., Microwave
 Electronics Div., Sperry Gyroscope Co., Great Neck,
 L.I., N.Y.

- Electronics Div., Sperry Gyroscope Co., Great Neck,
 L.I., N.Y.
 WHIPPLE, L. GLEN (A'54), PhysicIst, Acoustics Sect.,
 Bureau of Ships, Navy Dept., Washington 25, D.C.
 WHIPPLE, MELVIN M. (A'53-M'58), Engr., Boeing
 Airplane Co., Seattle, Wash.
 WHIPPLE, RICHARD L. (S'57-M'59), Engr., Sylvania
 Elec. Prods., Inc., 189 B St., Needham 94, Mass.
 WHIRRY, WALTER L. (S'54-M'57), Mem. Tech. Staff,
 H. sphes Aircraft Co., Culver City, Callf.
 WHISENHUNT, JOE A. (S'51-A'54-M'59), Electronics
 Project Engr., GE Co., Syracuse, N.Y.
 WHISONANT, J. THOMAS (SM'54), Mgr., Airborne
 Television Engrg., RCA, Camden 2, N.J.
 WHISTLER, CARL H. (SM'55), Engr., Douglas Aircraft
 Co., Inc., B9 Lapham St., El Segundo, Calif.
 WHISTLER, JOHN P. (A'32-VA'39-SM'34), Mem.
 Tech. Staff, Ramo-Wooldridge Corp., 5500 El Segundo
 Blvd., Box 90534, Airport Sta., Los Angeles 45, Calif.
 WHISTLER, WAYNE J. (S'50-A'52-M'57), Myr., Systems Engrg. Dept. "M", Consolidated Electrodynamics
 Corp., 300 N. Sierra Madre Villa, Pasadena, Calif.
 WHSTLER, WAYNE J. (S'51-A'55), Sect. Chlef,
 Electrotes Section (S. STE), San Ermande Rd., Los
- WHISTLER, WILLIAM 8. (S'51-A'55), Sect. Chief, Electronic Specialty Co., 5121 San Fernando Rd., Los Angeles 39, Calif.
- WHISTLER, WILLIAM T. (A'52-M'57), Radar Engr., GE Syracuse, N.Y.
- WHISTON, RALEIGH W. (A'26-M'50), Sr. Elec. Engr., Hoffman Labs., Inc., 3761 S. HIII St., Los Angeles
- WHITACRE, DONALD P., SR. (M'46-SM'56), Pres. Whitacre Engrg. & Mfg. Co., 1512 W. Commonwealt Ave., Alhambra, Calif.
- Ave., Alhambra, Calif.
 WHITACRE, JOHN W. (A'55), Chief Radio Engr., Lansing
 Broadcasting Co., 407 N. Washington, Lansing, Mich.
 WHITACRE, RAYMOND E. (S'57-M'5B), Elec. Engr., Collins
 Radio Co., Cedar Rapids, Iowa.
 WHITACRE, ROBERT N. (A'55), Electronics Engr., Teletech Electronics, 11608 Mercedes Ave., Mountain View,
 Calif.
- Calif.
 WHITAKER, JAMES L. (S'49-A'49-M'55), Electronic Scientist, Head, Radar Sect., USN Electronics Lab., Point Loma, San Diego 52, Calif.
 WHITAKER, JAMES N. (A'27-SM'51), Head, Primary Standards & Instrument Maint., riughes Research & Development Labs., Culver City, Calif.
- Development Labs., Curver Oily, Nam., WhitakEr, NorMan A. (M.159), Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.
 WHITAKER, RANALD O. (A'54), Analog Computer Engr., Allison Div., GMC, Indianapolis, Ind.
 WHITAKER, ROBERT M. (S'57-M'59), Elec. Engr., U.S., Naval Ordnance Test Sta., China Lake, Calif.

- WHITAKER, THOMAS N. (S'42-A'44-M'51-SM'55), Prof., Elec. Engrg., Univ. of Houston, 3801 Cullen Blvd., Houston, Tex.
- WHITAKER, WILLIAM A. (M'56), Physicist, USAF, Kirt-land AFB, N.M.
- MHITAKER, WILLIAM H., JR. (S'55-M'56), Applied Science Rep., IBM, 2145 Highland Ave., Birmingham, Ala.
- MHITBECK, RICHARD F. (S'55-M'56), Electronics Engr., Comeil Aero Lab., Buffalo, N.Y.
 WHITBURN, RONALD A. (S'55-M'57), Sales Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.
- Calif.
 WHITBY, EUGENE R. (A'52-M'57), Owner, BESCO,
 Blackstone Electro-Specialties Co., 6129 N. Blackstone, Fresno 26, Calif.
 WHITBY, LEWIS S. (A'53-M'5B), Lt. Col., Military Communications Engr., 8ell Tel. Co. of Pennsylvania, 1835
 Arch St., Philadelphia 3, Pa.
 WHITBY, OLIVER W. (S'38-A'44-M'46-SM'52), Mgr.
 Genl. Systems Dept., Stanford Research Institute, Menlo
 Park, Calif.
- WHITCHURCH, NORMAN E. (M'54), Engr., Specialist Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- WHITCOMB, HARRY W. (\$'57-M'59), Computing Engr., Douglas Aircraft Co., B27 Lapham, El Segundo, Calif.
- WHITCOMB, JEAN P. (S'58-A'59), Instrumentation Tech-nician, Martin Co., Box 179, Denver, Colo. WHITCOMB, LAWRENCE A. (M'59), Group Engr., Lock-heed Aircraft Service, Ontario Internati. Airport, Ontario, Calif.
- WHITCOMB, MARTIN F. (A'51), Field Engr., Horman Associates, 2017 S. St., N.W., Washington 9, D.C. WHITCRAFT, WILLIAM A. JR. (S'47-A'48-M'51-SM'55), Systems Engr., Raytheon Mfg. Co., Wayland, Mass.
- Mass.
 WHITE, ALLAN D. (A'40-M'55), Mgr., Process Engrg. Dept.,
 Raytheon Mfg. Co., Waltham 5, Mass.
 WHITE, ARNOLD (A'42), Supvr., Lab. Facilities & Standardizing Services, GE Co., 40 Federal St., West Lynn 3, Mass.
 WHITE, ARTHUR A. (M'57), Sr. Deslgn Engr., Autonetics
 Div., No. Amer. Aviation, Downey, Callf.
 WHITE, ARTHUR R. (S'57-M'57), Maj., USAF, Chief
 Project Sect., High Altitude Vehicle Test Branch, USAF,
 Eglin AFB, Fla.

- WHITE, BENJAMIN J., JR. (S'53-A'54), Recording Dev. Engr., RCA, 501 N. La Salle, Indianapolis, Ind. WHITE, BERNARD (A'57), Sales Engr., William Drew Co., 1104 Mondawmin, Saltimore 15, Md.

- WHITE, CHARLES E. (M'47-SM'59), Sect. Chief, Lab.
 Measurements, Avo. Research & Advanced Dev. 201
 Lower Inc., 201
 WHITE, CHARLES E. (M'47-SM'59), Sect. Chief, Lab.
 WHITE, CARROLL F. (S'58-M'59), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., M.Y.
 WHITE, CARROLL F. (S'58-M'59), Asst. Engr., Sperry
 Gyroscope Co., Great Neck, L.I., M.Y.
 WHITE, CHARLES E. (M'47-SM'59), Sect. Chief, Lab.
 Measurements, Avo. Research & Advanced Dev. Div., 201
 Lowell St., Wilmington, Mass.
 WHITE, CHARLES E. (A'44), Chief Electronics Dev. Engr., Repiblic Aviation Corp., Conklin St., Farmingdale, L.I.,
 N.Y.
 WHITE, CHARLES E. (M'54-SM'54), Electronics Engr..

- Repiblic Aviation Corp., Constitut St., Pathinidade, Etri, N.Y.
 WHITE, CHARLES E. (M'54-SM'54), Electronics Engr., Design Standard Sect., FAA, Washington, D.C.
 WHITE, CHARLES F. (S'35-A'37-M'47), Electronics Scientist, Naval Research Lab., Washington 25, D.C.
 WHITE, CHARLES R. (S'51-A'52-M'57), Elec. Engr., Technical Electronics Co. Div., Consolidated Electronics Industries Corp., 4060 lince Blvd., Culver City, Calif.
 WHITE, CHARLES W. (A'57), Chief Engr., Mon-Yough Broadcasting Co., Inc., McKeesont, Pa.
 WHITE, DAVID C. (SM'59), Prof., Elec. Engrg., MIT, Cambridge 39, Mass.
 WHITE, DAVID H. (M'56), Dev. Engr., Raytheon Mfg. Co., Waltham 54, Mass.
 WHITE, DEAN M. (S'50-A'52-M'56), Electronics Engr.,

- WHITE , DEAN M. (S'50-A'52-M'56), Electronics Engr., USN Underwater Sound Lab., Ft. Trumbull, New London,
- Conn.
 WHITE, DONALD A. (S153-A155), Elec. Engr., Barkley & Dexter Labs., Inc., 50 Frankfort St., Flichburg, Mass.
 WHITE, DONALD J. (A155-M157), Staff Engr., Melpar, Inc., 11 Galen St., Watertown, Mass.
 WHITE, DONALD L. (M15B), Mem. Tech. Staff, Bell Tel.
 Labs., Whippany, N.J.
 WHITE, DONALD R. J. (M152-SM156), Project Mgr., Alexandria Div., American Machine Foundry Co., 1025 N. Royal St., Alexandria, Va.
 WHITE, DONOVAN J. (S157-M150)

- St., Alexandria, Va.
 WHITE, DDNOVAN J. (S'57-M'59), Research Asst., Univ.
 of New Mexico, Albuquerque, N.M.
 WHITE, DOUGLAS C. (S'53-A'54), Engr., GE Co., Richard-Gebaur AFB, Mo.
 WHITE, DOUGLAS L. (S'56-M'59), Jr. Engr., Bendix
 Aviation Coro., York, Pa.
 WHITE, DOYLE D. (A'58), Sr. Electronics Technician,
 Southwest Research Institute, Box 2296, San Antonio
 6, Tex.
- 6, lex.
 WHITE, EDWARD A. (S'45-A'48-M'55), Pres., Bowman
 Instrument Corp., 8000 Bluffton Rd., Ft. Wayne 4, Ind
 WHITE, EDWARD J. (S'57-M'59), Engr., Dept. of Defense, Warrenton, Va.
- WHITE, EDWARD S. (A'44-M'49-SM'53), DIr., Rese. Warwick Mfg. Corp., 7300 N. Lehigh Ave., Chicago
- WATWICK MIG. COTD., / JUU N. Lenigh AVE., Chicago 31, III.
 WHITE, EDWIN L. (A'24-M'31-SM'43-F'55), Consulting Engr., 460 Coffee Pot Riviera, St. Petersburg 4, Fla.
 WHITE, EMERY A. (A'49-M'55), Electronics Engr., GE
 Co., Orange & Van Ness, Tempe, Ariz.
 WHITE, ENREST F. (A'59), Sr. Technician, Sylvania Elec.
 Prods., Inc., 100 Sylvan Rd., Woburn, Mass.
 WHITE, FRANCIS J. (S'56-M'57), Electronic Scientist,
 Naval Air Experimental Facility, Philadelphia Naval Base,
 Philadelphia 12, Pa.
 WHITE, FRANK M., JR. (S'50-A'51-M'56), Owner & Sales
 Engr., White & Co., 78B Mayvlew Ave., Palo Alto, Calif.
 WHITE, FREDERICK E., JR. (A'36-VA'39), 81 Chauncey
 Ave., New Rochelle, N. Y.
 WHITE, GALE (SM'58), Sr. Geophysicist, Humble Oil &
 Refining Co., Box 2180, Houston, Tex.

WHITE, GARLAND S. (S'52-A'54-M'59), Project Mgr., Librascope, Inc., 808 Western Ave., Glendale, Calif. WHITE, GEDRGE H. (S'57-A'58), TV Techniclan, Canadian Broadcasting Corp., 120 7 Ave., Calgary, Alta., Canada. WHITE, GEDRGE M. (M'45), Architect & Professional Engr., 802 Finance Bidg., Cleveland 15, Ohlo. WHITE, GEDRGE R. (A'42-SM'52), Chief Engr., Bendix Radio Div., Towson 4, Md. WHITE, GEORGE R. (M'5B), Microwave Tube Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. WHITE, GEORGE W., JR. (M'57-SM'59), Dev. Engr., Continental Electronics Mfg. Co., Inc., 4212 S. Buckner Blvd., Dallas 27, Tex. WHITE, GERALD J. (A'45-M'50), Chartered Patent Agent & Chartered Elec. Engr., Marks & Clerk, Chartered Patent Agents, 2 Pall Mall, Manchester 2, England. WHITE, GERALD J. (S'56-M'58), Communication Engr.,

Agents, 2 Pall Mall, Manchester 2, England.
WHITE, GERALD M. (5'56-M'58), Communication Engr., GE Co., Schenectady, N.Y.
WHITE, GERALD T. (A'53-M'55), Cmdr., USN, Electronics Officer, BUAER Navy Dept., Washington 25, D.C.
WHITE, GIFFORD E. (S'41-A'42-SM'47), Owner, White Instrument Labs., Box 9006, Austin, 17, Tex.
WHITE, GREGORY C. (S'54-M'58), Engr., Hammarlund Mig. Co., Inc., 460 W. 34 St., New York, N.Y.
WHITE, H. BRYCE (A'52), Capt., American Airlines, Inc., 100 Park Ave., New York, N.Y.
WHITE, HAROLD R. (M'51), Project Administrator, ITT Federal Div., 100 Kingsland Rd., Clifton, N.J.
WHITE, HERBERT A. (A'50), Salesman, I.R.E., 72 W. 45 St., New York 36, N.Y.

WHITE, HUGH A. (M'51), Sales Engr., 1811 Adrian Rd., Burlingame, Calif. WHITE, HUGH E. (S'54-M'58), Electronics Engr., U. S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

N.J.
WHITE, J. HAROLD (M'56), Chief Engr., Broadcasting Co., of The Carolinas, 1 College St., Greenville, S.C.
WHITE, J., PAUL (A'45-M'55), Electronics Engr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.
WHITE, JAMES (M'55), Plant Supt., Bemis Bro. Bag Co., 1350 N. Fruit Ridge Rd., Terre Haute, Ind.
WHITE, JAMES A. (S'43-A'45-M'55), Engr., Sørague Electric Co., 59 Marshall, North Adams, Mass.
WHITE, JAMES A. (S'51-A'53-M'58), Sr. Analytical Engr., Hamilton Standard Div., United Aircraft, Windsor Locks, Conn.

Locks, Conn.

WHITE, JAMES D., JR. (J'34-A'35-VA'39), Engr., Arma Corp., Garden City, L.I., N.Y.

WHITE, JAMES F., JR. (S'47-A'49-M'55), TV Engr., Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, III.

WHITE, JAMES R. (S'50-A'52-M'56-SM'58), Sr. Engr., Avco Mfs. Co., 201 Lowell St., Wilmington, Mass.

WHITE, JAMES R. (S'49-A'51-M'57), Electronics Engr., Army Ballistic Missile Agency, Port Canaveral, Fla.

WHITE, JAMES W. (M'58), Flight Controls, Systems Engr., Lockheed Missiles & Space Div., Sunnyvale, Calif.

WHITE, JEROME L. (S'49-A'51-M'56), Mem. Tech. Staff, Thompson-Ramo-Wooldridge, Inc., 5500 El Segundo Blvd., Hawthorne, Calif.

Hawthorne, Calif.

WHITE, JEROME V. (M'58), Sr. Engr., Beckman Systems
Div., 325 N. Muller Ave., Anaheim, Calif.

WHITE, JOHN A. (S'57-M'59), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

WHITE, JOHN A. (A'58), Chief Engr., American Forces
Korea Network, Sta. KUNSAN, Korea, USAF, c/o AFKNKUNSAN, APO 64, San Francisco, Calif.

WHITE, JOHN E. (M'55), Physicist, GE Co., Nela Park,
Cleveland 12, Ohio.

WHITE, JOHN E. (A'55-M'56), Sr. Engr., Electronics Div., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md., WHITE, JOHN J. (A'55), Systems Engr., IBM, Kingston, N V

WHITE, JOHN W. (S'53-A'57), Electronics Engr., Melpar,

MITE, JURN W. (5'5-A'57), Electronics Engr., Melpar, Inc., Falls Church, Va.
WHITE, JOHN W. (S'56-M'5B), Engr., Westinghouse Elec.
Corp., Friendship Internatl. Airport, Baltimore, Md.
WHITE, JOSEPH D., SR. (5'53-A'54), Sales Mgr., Wilson
Wylie Co., Inc., 3301 Fairfax Trafficway, Kansas City 15,
Kan.

Man.
WHITE, KEITH M. (M'57), Owner, White's TV Repair,
8421 N.W. 25 Ave., Miami 47, Fla.
WHITE, LAURENCE E. (S'50-A'51-M'56), Elec. Engr.,
Westinghouse Elec. Corp., Box 264, Elmira, N.Y.
WHITE, LLOYD M. (S'49-A'51-M'56), Supvr., Inertial
Navigation, Autonetics Div., No. Amer. Aviation, Downey,
Calif.

Calif.
WHITE, LOCKETT C. (A'44-M'47), Asst. Relay Engr.,
Portland GE Co., 621 S.W. Alder St., Portland 5, Ore,
WHITE, LOWELL D. (M'57), Mem. Tech. Staff, Bell Tel.
Labs., Murray Hill, N.J.
WHITE, LOWELL E. (A'46), V.P., Motorola Communications & Electronics, Inc., 4501 W. Augusta Blvd., Chicago

31, III.

WHITE, MDRRIS M. (S'49-A'51-M'56), Sales Engr., Sanborn Co., 175 Wyman St., Waltham 54, Mass.

WHITE, NATHANIEL (A'36-SM'47), Chief, Frequency Allocation & Radio Propagation Sect., 0.C Sigo, D.A., Pentagon, Washington 25, D.C.

WHITE, NORMAN (A'56), Lab. Technician, GE Co., Evendale Plant, Lockland Huy., Cincinnati 15, Ohio.

WHITE, OZELLE S. (S'49-A'51-M'56), Communications Systems Scientist, Kellogs Switchboard & Supply Co., 6650 Cicero, Chicago, III.

WHITE, PAUL E. P. (A'50-M'58), Sr. Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.

WHITE, PAUL K. (S'56-M'58), Dev. Engr., GE Co.,

Syracuse, N.Y.
WHITE, PAUL R. (S'54-M'55), Aeronautical Research
Engr., Army Ballistic Missile Agency, Redstone Arsenal,
Huntsville, Ala.

Huntsville, Ala.
WHITE, PHILIP K. (A'54-M'56), Elec. Engr., USN Mine
Defense Lab., Panama City, Fla.
WHITE, PHILIP W. (A'55-M'55), Chief, Quality Control
Dept., Northern Radio Mfg. Co., Ltd., 1950 Bank St.,
Ottawa, Ont., Canada.
WHITE, RALPH A. S. (M'59), Supt., Canadian Naval Elec.
Lab., Rockliffe Air Sta., Ottawa, Ont., Canada.
WHITE, REGINALD A. (A'55), Assoc. Sect. Head, Genl.
Precision Lab., Inc., Pleasantville, N.Y.

WHITE, RICHARD A. (A'45-SM'51), Sr. Engr., Westing-house Elec. Corp., Horseheads, N.Y. WHITE, RICHARD C. (S'50-A'52-M'56), Engr., Collins Radio Co., Cedar Rapids, Iowa.

Radio Co., Cedar Rapids, Jowa.
WHITE, RICHARD C. (A'54-M'55), Production Engr.,
Amprex Electronic Corp., 230 Duffy Ave., Hicksville,
L.I., N.Y.

L.I., N.Y.
WHITE, RICHARD H. (A'53-M'59), Design Engr., Bendix
Aviation, 11600 Sherman Way, North Hollywood, Calif.
WHITE, RICHARD N. (S'40-A'41-M'45-5M'47), Mgr.,
Electronics Engro., Trans World Airlines, Inc., 10
Richards Rd., Kansas City 5, Mo.

Electronics Engra., Trans World Airlines, Inc., 10
Richards Rd., Kansas City 5, Mo.
WHITE, RICHARD T. (M'46-SM'56), Group Head, Engra.
Div., Collins Radio Co., Cedar Rapids, Iowa.
WHITE, ROBERT F. (A'53-M'55), Staff Engr., Automatic
Electric Sales Corp., North Lake, III.
WHITE, ROBERT G. (M'56), Application Engr., GE Co.,
316 E. 9 St., Owensboro, Ky.
WHITE, ROBERT J. (A'57-M'59), Project Engr., RCA
Service Co., Camden, N.J.
WHITE, ROBERT J. (M'58), Sr. Elec. Engr., Hammond
Droan Co., 2915 N. Western Ave., Chicago 18, III.
WHITE, ROBERT L. (M'57), Engr., Raytheon Mfg. Co.,
Inc., Box 636, Santa Barbara, Calif.
WHITE, ROGER A. (A'51), Group VI Planning Clerk, Cities
Service Refining Corp., Lake Charles, La.
WHITE, ROGER E. (S'42-A'44-SM'52), Pres., Roger
White Electron Devices, Inc., 4 Ave., Haskell, N.J.
WHITE, ROLAND J. (S'47-A'49-M'55), Engr., Group
Leader, RCA Defense Electronic Prods., Camden, N.J.
WHITE, ROLAND J. (S'47-A'49-M'55), Engr., Croup
Leader, RCA Defense Electronic Prods., Camden, N.J.
WHITE, ROLUOLPH A. (A'54), Radio TV Engr., Canadia
Nati, Steamships, 384 St. James St., Montreal, P.Q.,
Canada.

WHITE, ROBUSTAN, AB 34), Natio IV Engr., Canadian Natl. Steamships, 38 St., James St., Montreal, P.Q., Canada.

WHITE, SAMUEL D. (A'38-M'44-SM'53), Mem. Tech. Staff, Bell Tel. Labs., 463 West St., New York 14, N.Y. WHITE, STANLEY A. (S'55-M'58), 27-9 Ross Ade Dr., West Lafayette, Ind.

WHITE, STANLEY A. (A'49), Transmitter Engr., Radio Stations WCOP, WCOP-FM Massachusetts Broadcasting Corp., 485 Boylston St., Boston 28, Mass.

WHITE, THOMAS J. (A'54-M'56), Chief Technician, Dept. of Elec. Engrg., Univ. of Manitoba, Ft. Garry, Winnipeg 9, Man., Canada.

WHITE, THOMAS M., JR. (M'55), Asst. Prof., Elec. Engrg., Canadia.

WHITE, Georgia Tech., Atlanta, Ga.

WHITE, WALLACE F. (A'52-M'57), Engr., Ballantine Labs., Inc., Fanny Rd., Boonton, N.J.

WHITE, WALLER JR. (A'53), Lt. Col., U. S. Army, Chief, Tech. Div., Officers' Dept., U. S. Army Signal School, Ft. Momrouth, N.J.

WHITE, WALTER E. (SM'53), Dir., Instrument & Electronics, Canadian Arsenals, Ltd., Ottawa 4, Ont., Canada.

WHITE, WALTER T. (SM'46), Engrg. Dept. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.

WHITE, WARREN D. (A'47-SM'48-F'57), Engrg. Consultant, Airborne Instrument Lab., Inc., Minelol, L.I., N.Y.

WHITE, WILLARD L. (S'49-A'50), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

WHITE, WILLARD L. (S'49-A'50), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem, N.C.

WHITE, WILLIAM A. (A'43-M'55), Solid-state Physicist, Code 4242, Natl. Aeronautics & Space Administration, Beltsville Space Center, 4555 Overlook Ave., Washington 25, D.C.

WHITE, WILLIAM C. (A'15-M'25-F'40) (L), Retired,

Betsville Space Center, 4555 Overlook Ave., Washington 25, D.C.
WHITE, WILLIAM C. (A'15-M'25-F'40) (L), Retired, 1422 Lowell Rd., Schenectady 8, N.Y.
WHITE, WILLIAM H. (S'54-M'56), Mam. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.
WHITE, WILLIAM H. (A'46-M'51), Asst. Chief Engr., WSB, WSB-TV, 1601 W. Peachtree St., N.E., Atlanta, Ga. WHITE, WILLIAM J. (A'57), Elec. Engr., Technician, Motorola, Inc., 1450 N. Cicero Ave., Chicago 51, III.
WHITED, CHARLES R. (S'56-M'58), Missile Evaluation Officer, USAF, Holloman AFB, N. M.
WHITEFALL, JOSEPH W. (S'55-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
WHITEHEAD, CULBREATH C., JR. (S'49-A'52-M'56), Elec. Engr., 300 49 St., W, Bradenton, Fla.
WHITEHEAD, EDGAR A. (M'47), Specialty Salesman-Electronics Components, GC Co., 235 Montgomery St., San Francisco, Calif.
WHITEHEAD, ERICA, N. (M'54), Tube Investments, Ltd., Technological Centre, The Airport, Walsall, Staffordshire, England.
WHITEHEAD, EUCENE H. (A'56), Chief Draftsman, The

England.
WHITEHEAD, EUGENE H. (A'56), Chief Draftsman, The Ralph M. Parsons Co., Electronics Div., 151 S. Delacey, Pasadena, Calif.
WHITEHEAD, HARRY G. (S'52-A'55-M'57), Elec. Engr., ITT Labs., Nutley 10, N.J.
WHITEHEAD, J. RENNIE (SM'45), Dir., Research, RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.

WHITEHORN, RICHARD M. (A'49-SM'58), Mgr., Radiation Research Dept., Varian Associates, 611 Hansen Way, Palo Alto, Calif.

WHITEHURST, CLINTON H., JR. (A'48), Box 299 Rte. 1, Lutz, Fla.

WHITEHURST, J. DON (A'53-M'58), Tech. Specialist, Reliability Dept., Temco Aircraft Corp., Box 6191, Dallas, Tex.

Reliability Dept., Temco Aircraft Corp., BOX 0191, Dallas, Tex.
WHITEHURST, ROBERT N. (S'51-A'54), Assoc. Prof., Physics, Univ. of Alabama, Box 1569, University, Ala.
WHITELEY, ROBERT B. (SM'58), Group Leader, Lockheed Missiles Systems Div., Palo Alto, Calif.
WHITELEY, THOMAS B. (A'51-M'57), Electronic Scientist, Naval Ordnance Lab., Corona, Calif.
WHITELOCK, LELAND D. (A'30-SM'47), Head Engr., Communications & Computer Systems Branch, Bureau of Ships, Electronics Div., Code 830, Navy Dept.,
Washinoton 25. D.C.

Ships, Electronics Div., Code 830, Navy Dept.,
Washington 25. D.C.
WHITELY, RICHARD L. (M'56), Dev. Engr., RCA; 11819
W. Olympic Blvd., Los Angeles 64, Calif.
WHITEMAN, CARL O. (M'57), Project Engr., Elec., Hughes
Aircraft Co., Box 11337, Tucson, Ariz.
WHITEMAN, JAMES R. (S'156-M'58), Engr., Sperry
Gyroscope Co., Great Neck, L.I., N.Y.
WHITEMAN, STANLEY E. (A'57), Communications Asst.,
State Dept., American Embassy, APO 205, New York,
WHITENACK, RAY M. (A'54), Mgr., Lab. Financial
Services, IBM, Poughkeepsie, N.Y.

WHITENER, AARON S. (M'58), Head Instr., Electronics Dept., Draughon's Business College, 1015 Lanar St., Wichita Falls, Tex.

Wichita Falls, Tex.
WHITESIDE, ARLISS E. (S'54-M'58), Engr., 8endix
Aviation Corp., Box 5115, Detroit 35, Mich.
WHITESIDE, DARWIN L. (M'57), Project Engr., Varo Mfg.
Co., Inc., 2201 Walnut, Garland, Tex.
WHITESIDE, FREDERICK S. (A'59), Fred Whiteside Corp.,
10 High St., Boston 10, Mass.
WHITESIDE, HAVEN (M'56), Teaching Fellow, Harvard
Univ., Cambridge, Mass.

Cambridge, Mass

WHITESIDE, JACK R. (A/55), Pres., Simpson Electric Co., 5200 W. Kinzie St., Chicago 44, III. WHITESIDE, JAMES S., JR. (S'90-4/53-M'58), Liaison Engr., HME Prod. Service, GE Co., 8ox 215, Syracuse 1, N.Y.

M.T.
WHITESIDE, RICHARD E. (S'56-M'58), Lt., USN, Naval
Officer, USN, Home: 12 Beverly Rd., Waterford, Conn.
WHITESIDE, ROSS L. (A'55), Tech. Dir., TV Canadian
Broadcasting Corp., 701 Homby St., Vancouver, B.C.,
Canada.

Canada.

WHITESTINE, PAUL W. (M'56), Sr. Engr., Philco Corp., 3875 Fabian Way, Palo Alto, Calif.

WHITESTINE, PAUL W. (M'56), Sr. Engr., Philco Corp., 3875 Fabian Way, Palo Alto, Calif.

WHITESTINE, PAUL W. (A'51-M'56), Engr., Sperry Gynoscope Co., Great Neck, L.I., N.Y.

WHITEGEO, WILLARD D. (A'55-M'59), Dir., Communications, Exec. Office of Civil & Defense Mobilization, Oak Hill Rd., Harvard, Mass.

WHITFORD, BRADLEY G. (S'58-M'58), 25-300 River Ave., Winnipeg 13, Man., Canada.

WHITFORD, JOHN R. (S'41-A'45-M'56), Sales Mgr., Electronic Tube Div., Sperry Gynoscope Co., Great Neck, L.I., N.Y.

L.I., N.Y.
WHITFORD, ROBERT E. (M'58), 2718 Los Arboles PI.,
N.E., Albuquerque, N.M.
WHITFORD, ROBERT K. (S'54-M'56), Mem. Tech. Staff,
Space Technology Labs., Box 95001, Los Angeles 45,
Calif.

WHITHAM, GLENN E. (S'41-A'44), Asst. Sect. Mgr., Raytheon Mfg. Co., Wayland, Mass. WHITING, LEE (M'58), Research Engr., Convair, Pomona,

Calif.
WHITING, RICHARD F. (A'50-M'56-SM'58), Sr. Electronics Engr., Electron Mechanisms Corp., 7301 Ridgeway, Skokie, III.
WHITING, WEBSTER K. (A'53-M'55), Electronics Engr., Navy Dept., Bureau of Ordnance, (ReS4a), Washington 25, D.C.

WHITING, WILLIAM E. (M'43), Dir. Communications, County of Kern, Radio Communications Dept., Box 643, Bakersfield, Calif.

oakerstield, Calif.
WHITLEY, ERIC G. (A'52), Sr. Engr., Curtiss-Wright Corp., Electronics Div., Central Ave., Carl stadt, N.J.
WHITLEY, GEORGE E. (M'56), Staff Engr., Land Air, Inc., Holloman AFB, N.M.
WHITLEY, JAMES H. (A'54), Research Engr., Aircraft-Marine Prods., Inc., Research Div., 2100 Paxton St., Harrisburg, Pa.

WHITLEY, JAMES H. (A'54), Research Engr., Aircraft-Marine Prods., Inc., Research Div., 2100 Paxton St., Harrisburg, Pa.
WHITLEY, WILLIAM M. (A'55), Radio Communications Suppr., Canadian Utilities, Ltd., 10529 Jasper Ave., Edmonton, Alta., Canada
WHITLOCK, JEAN R. (S'49-A'51-M'57), Mgr., Instruments & Electronics Engrg., American Airlines, Overhaul & Supply Depot, Tulsa, Okla.
WHITLOCK, MAURICE B., JR. (A'53), Electronics Scientist, FAA, 1711 New York Ave., Washington, D.C.
WHITLOCK, RAYMOND L. (S'56-A'57), Inspector, Bendix Aviation Corp., 95 & Troost, Kansas City, Mo.
WHITLOCK, REX S. (A'47), Project Engr., Wright Air Development Center, Wright-Patterson AFB, Ohio.
WHITMAN, C.L. (A'54), Radio Engr., RCA, Camden, N.J.

N.J.

N.J., N.A., A. (A'50-M'55), Staff Engr., Raytheon Mfg. Co., Bedford, Mass.

WHITMAN, JOHN A. (A'50-M'55), Staff Engr., Raytheon Mfg. Co., Bedford, Mass.

WHITMAN, KENNETH C. (A'48-M'55), Remote Suppr., KCOP-TV, 1000 N. Cahuenga, Hollywood, Calif.

WHITMAN, MORTON R. (A'45), Chief Engr., Central Transformer Co., 900 Jackson Blvd., Chicago 7, III.

WHITMAN, ROBERT N. (S'48-A'50-M'56), Sr. Design Engr., Eastman Kodak, 121 Lincoln Ave., Rochester 4, Number of the Communication of the C

N.Y.
WHITMER, MELVIN H. (A'55), Tech. Writer, Admiral
Co., 3B00 Courtland, Chicago, III.
WHITMER, ROMAYNE F. (S'45-A'49-M'55), Engrg.
Specialist, Sylvania Elec. Prods., Inc., Mountain View,
Calif.

Calif.
WHITMEYER, L. JACK, JR. (A'54), Jr. Electronics Engr.,
Sun Oil Co., Beaumont, Tex.
WHITMORE, DONALD C. (S'50-A'51-M'56), Staff Engr.,
Prod. Dev. Lab., IBM, Poughkeensie, N.Y.
WHITMORE, EDWARD J. (SM'56), Chief Engr., Electron
Tube Plant, Canadjan Marconi Co., 90 Treiton Ave.,
Montreal, P. Q., Canada.
WHITMORE, GEORGE L. (A'57), Sr. Technician, Sylvania
Microwave Tube Lab., 500 Evelyn Ave., Mountain View,
Calif.

WHITMORE, JOHN H. (M'56), Sr. Dev. Engr., Link Aviation, Inc., Hillerest, Binghamton, N.Y.
WHITMORE, RAY C. (A'49), Owner, R. C. Whitmore &
Associates, 605 I. Michigan Ave., Chicago 11, III.
WHITMORE, WILLIAM C., JR. (S'54-A'56), Field Service
E.gr., Nuclear Prods., ERCO, ACF Industries, Riverdale,
Md.

Md.
WHITNER, ROBERT A. (S'56-M'5B), Planning Engr., Western Electric Co., 555 Union Blvd., Allentown, Pa.
WHITNEY, ALEXANDER (A'32-VA'39-SM'52), Sr. Engr.,
Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md.
WHITNEY, CHARLES A. (M'58), Jr. Elec. Engr., Royal
McBee Corp., 1031 New Britain Ave., West Hartford 1D,
Conn.

WHITNEY, DAVID J. (S'46-A'47-M'55), Chief Engr., Andersen Labs., Inc., 501 New Park Ave., West Hartford

WHIT NET, DAVIS OF A CONTROL OF THE AVE., THE STATE OF THE ANALYSIS OF THE AVE., THE STATE OF THE AVE., THE ANALYSIS OF THE AVE., THE AV

Boston, Mass.
WHITNEY, FRAINK G. (M'56), Sr. Engr., Flight Test
Sect., Westinghouse Elec. Corp., Friendship Internall.
Airport, Baltimore, Md.
WHITNEY, GEORGE H. (S'56-A'57), 23 George St.,
Matuchan N. I.

WHI-WIL - 433 -

- WHITNEY, LAWRENCE E. (M'48), Registered Professional Engr., RFD 1. Box 64, Union, Me. WHITNEY, MARVIN G. (A'53), V.P., Semiconductor Div., Hoffman Electronics Corp., 3761 S. HIII St., Los Angeles, Calif.
- WHITNEY, MYRON E. (M'42-SM'43), Sales Mgr., Govt. Communications Systems, Bendix Radio Div., Towson 4, Md.

- Md.
 WHITNEY, PHILIP B. (SM'58), Chief Engr., R. F. Lewis Jr., Inc. Radio Stations, Winchester, Va.
 WHITNEY, RAY J. (A'53), Owner, Audio Services, 3402
 Wilson Blvd., Arlington 1, Va.
 WHITNEY, SAMUEL D. (A'41), Lead Radio Mechanic,
 Eastern Air Lines, Inc., 5700 S. Cicero, Chicago 29,
 III.
- III.
 WHITNEY, WILEY (SM'55), Mem. Tech. Staff, Bell Tel.
 Labs., 463 West St., New York 14, N.Y.
 WHITSON, ARTHUR L. (S'49-A'50-M'56), Research Engr.,
 Stanford Research Institute, Menlo Park, Calif.
 WHITSON, DONALD R. (M'57), Apparatus Engr., Texas
 Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 Cleveland
- WHITTAKER, BEN H. (M'54), Radio Technician, Cleveland Electric Illuminating Co., 55 Public Sq., Cleveland 1, Ohio.
- WHITTAKER, CLYDE A. (M'56), Physicist, Head, Mine Removal Branch, USN Mine Defense Lab., Panama City, Fla.
- Fla. WHITTAKER, GERALO A. (A'47), Chlef, Air Traffic Control Div., FAA, Box 440, Anchorage, Alaska. WHITTAKER, HAROLD F., JR. (S'46-A'49-M'55), Sr. Elec. Engr., Melpar, Inc., 11 Galen St., Watertown 72,
- WHITTAKER, JAMES A. (S'55-M'56), Jr. Engr., RCA Victor Co., Ltd., 5001 Cote de Liesse, Montreal, P.Q., Canada.
- WHITTAKER, JOHN F. (M'58), Oev. Engr., Northern Electric Co., Ltd., 420 Lagauchetiere St., W., Montreal, P.Q., Canada.

- UIC Co., Ltd., 420 Lagauchetlere St., W., Montreal, P.Q., Canada.
 WHITIALL, MAURICE D., J.D. (A'55), Mgr., Cost Accounting, Electronics Div., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 WHITTEMORE, DONALD B. (A'51), Olstrict Mgr., Raytheon Mg. Co., 589 5 Ave., New York, N.Y.
 WHITTEMORE, LAURENS E. (A'15-M'25-F'27)(L), Retired, 31 Martindale Rd., Short Hills, N.J.
 WHITTEMORE, PAUL B. (SM'56), Sales Engr., Raytheon Mg. Co., 425 13 St., N.W., Washington, D.C.
 WHITTEN, ADRIAN C. (A'55), Owner, Operator, Electronic Service Lab., Seneca Falis, N.Y.
 WHITTEN, CLIFTON L. (S'49-A'51-M'54-SM'59), Electronics Engr., Univ. of California Radiation Lab., Box 808, Livermore, Calif.
 WHITTEN, GEORGE A. (A'49-M'54-SM'59), Electronics Telemetering Engr., Missile & Space Div., Sunnyvale, Calif.

- Caili.
 WHITTEN, JAMES R. (S'49-A'52-M'57), Engr., Electronic Systems, GE Co., Schenectady, N.Y.
 WHITTEN, JESSE R. (M'57), Sales Rep., Sunnyvale Development Center of Sperry Gyroscope Co., 294 Commercial St., Sunnyvale, Calif.

- St., Sunnyvale, Calif.
 WHITTEN, MILTON G. (S'54-A'55), Design Engr., Norair Div., Northrop Aircraft, Inc., Hawthome, Calif.
 WHITTEY, THOMAS (M'57), North West Telephone Co., 2226 W. 10 Ave., Vancouver 9, 8.C., Canada.
 WHITTINGTON, ROBERT C. (S'50-A'51), Elec. Components Engr., GE Co., Cinclinnati 15, Ohlo.
 WHITTLE, ROBERT L. (A'45-SM'51), Assoc. Lab. Dir., ITT Labs., Nutley 10, N.J.
 WHITTY, MARK S. (M'577), Systems Engr., RCA Internati. Div., Clark, N.J.
 WHITWORTH, WILLIAM C. (S'55-M'56), Design Engr.,

- Div., Člark, N.J.

 WHITWORTH, WILLIAM C. (S'55-M'56), Design Engr.,
 Magnavox Co., Bueter Rd., Ft. Wayne, Ind.

 WHOLEY, CARROLL W. (A'47), Serviceman, Union Furniture
 Co., 527 Stevenson St., San Francisco, Calif.

 WHOLEY, LEONARD T. (A'54), Electronics Engr., Lab.
 for Electronics, 75 Pitts St., Boston 14, Mass.

 WHOLEY, WILLIAM B. (S'41-A'45-M'45-SM'50), Project
 Engr., Hewlett Packard Co., 275 Page Mill Rd., Palo Alto,
 Calif.
- Calif.
 WHYBARK, DANIEL L. (M'55), Applications Engr., Raytheon Mfg. Co., Waltham 54, Mass.
 WHYBREW, JAMES W. (S'55-M'57), Assoc. Engr., The Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

- Johns Hopkins Univ., Applied Physics Lab., Silver Spring, Md.

 WHYLAND, WILLIAM P., III (S'53-A'55), Engr., GE Co., Advanced Electronic Center, Ithaca, N.Y.

 WHYMAN, EARL W. (A'44-SM'53), Engra. Sect. Head, Project Engr., Sylvania Elec. Prods., Inc., 1100 Wehrle Dr., Buffalo 21, N.Y.

 WHYTE, JOHN R. (S'41-A'42-M'48), Dev. Engr., Radio Valve Co., 189 Dufferin St., Toronto, Ont., Canada. WIANT, ROBERT C. (M'56), Electronics Scientist, U. S. Govt., Upper Air Research, Holloman AFB, N.M.

 WIBEL, DOMALD (A'52), Jr. Engr., The Magnavox Co., Bueter Rd., Fort Wayne, Ind.

 WIBER, AROLD J. (S'50-A'51-M'56), Mgr., Flight Evaluation Dept., W. L. Maxson Corp., 460 W. 34 St., New York 177, N.Y.

 WIBLE, PAUL E., JR. (A'55), Project Engr., Magnavox Co., Bueter Rd., Ft. Wayne, Ind.

 WICH, HAROLD C. (M'57), 206 Augusta Dr., North Syracuse 12, N.Y.

 WICHELS, JOHN, JR. (M'58), 5332 S. Youngs Pl.

- WICH, HAROLD C. Mm J., 12, N.Y.
 12, N.Y.
 WICHELS, JOHN, JR. (M'58), 5332 S. Youngs Pl.,
 Oklahoma City 19, Okla.
 WICHMANN, TRACY F. (A'52-M'57), Sr. Engr., Electronic
 Equipment Div., Litton Industries, 336 N. Foothill Rd.,
 Beverly Hills, Calif.

- Beverly HIIIs, Call's

 WICHTENDAHL, WILLIAM J. (S'51-A'53-M'58), Sr.
 Project Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 WICK, ARTHUR E. (A'58), Sound Engr., Altec Service Co., 161 6 Ave., New York 13, N.Y.

 WICK, MARVIN R. (S'57-M'58), Assoc. Engr., Convair, San Diego, Cail's

 WICK, OSCAR F. (A'44), Tech. Film Supvr., NBC, 1500 N. Vine St., Los Angeles 28, Cail's

 WICK, OSCAR F. (A'44), Tech. Film Supvr., Engr., HMED, GE Co., Syracuse, N.Y.

 WICKENDEN, HENRY R. (A'54), Systems Consultant, C & ORY, Co., Terminal Tower, Cleveland 1, Ohio.

 WICKENDEN, ROGER C. (A'53-M'58), Physicist, U.S.
 Naval Ordnance Test Sta., China Lake, Cail's.

- WICKENKAMP, FLOYD W. (M'56), Supvy, Electronics Engr., Chief Engro. Div., Field Engro. & Monitoring Bureau, FCC, Washington 25, D.C.
 WICKER, GEORGE E. (S'49-A'50-M'56), Project Engr., Radiation, Inc., Box 37, Melbourne, Fla.
 WICKERSHAM, ARTHUR F., JR. (M'58), Physicist, Sylvania Electronic Defense Lab., Box 205, Mountain View, Calif.
- view, Cailf.

 WICKERSHAM, PRICE D. (A'53-M'58), Mem., Sr. Staff,
 Ramo-Wooldridge Corp., 8ox 5073, Denver 17, Colo.

 WICKERSHAM, WILFRED H. (A'41-SM'53), Sr. Project
 Engr., Eclipse Pioneer Div., Bendix Aviation Corp.,
 Teterboro, N.J.

- Engr., EcIlpse Pioneer Div., Bendix Aviation Corp., Teterboro, N.J.

 WICKHEM, ROBERT J. (A'49), Engrg. Supvr., WKOW, 215 W. Washington Ave., Madison, Wis.

 WICKIZER, GILBERT S. (A'28-SM'46), Radio Research Engr., RCA, 140 Moriches Rd., Riverhead, L.I. N.Y.

 WICKLIFE, PAUL R., JR. (S'49-A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Muray Hill, N.J.

 WICKLINE, BLAINE D. (M'47), Sales Mgr., Transportation Companies, 331 N. Franklin St., Chicago 6, III.

 WICKMAN, CHARLES R. (S'56-M'58), Grad. Research Asst., Univ. of Michigan, Willow Run Research Center, Ypsilanti, Mich.

 WICKMAN, MILES (S'57-M'59), Shady Side, Md.

 WICKS, ALFRED A. (M'54), Specifications Group Supvr., Remington Rand Univac, St., Paul 16, Minn.

 WICKS, D. S. (M'45-SM'48), Capt., USN, Planning Officer, Electronics Div., Bureau of Ships, Navy Dent., Washington, D.C.

 WICKS, PLATT (SM'59), Prof., Elec. Enorg. Hintune.
- Washington, D.C.
 WICKS, PLATT (SM/59), Prof., Elec. Engrg., Univ. of Colorado, Boulder, Colo.
 WICKSTROM, S. THEODORE (M'46), Electronics Engr., Revere Camera Co... 320 E. 21 St., Chicago 16, III.
 WIDELL, CHARLES O. (S'51–M'56), Antenna Research Engr., Lockheed Alrcraft Corp., Burbank, Calif.
 WIOELL, E. GIDEON (M'26-SM'43), Consultant, RCA, Harrison, N.J.
- WIDELL, E. GIDEON (W. 26-3M-43), Octobathar, Work, Harrison, N.J.
 WIDENER, M. WARD (S'47-A'49-M'55), Staff Engr., Ampex Audio, Inc., 1U20 Kifer Ru., Sunnyvale, Culif.
 WIDENHOEFER, JOHN G. (S'49-A'52), Design Engr., No. Amer, Aviation, Internatl. Airport, Los Angeles, Calif.
 WIDENHOEFER, NORMAN C. (S'56-A'57), Staff Asst., Sandla Base, Albuquerque, N.M.
 WIDENMANN, JOHN A. (M'46), Elec, Engr., Box 937, Oel Mar. Calif.

- WIDENOR, MALCOLM O. (S'46-A'47-M'55), Pres., North Atlantic Industries, Inc., 6D3 Main St., Westbury, L.I., N.Y.
- N.Y.
 WIDENOR, PAUL E., JR. (S'47-A'49-SM'55), Exec. Engr.,
 Telecomtrol Corp., 20 Diller Ave., Newton, N.J.
 WIDERQUIST, VERNON R. (M'49-SM'57), Head, Flight Test
 Tech. Staff, Space Technology Labs., Inc., Box 4277, Patrick
 AFB, Fla.
- WIDERSTROM, FAHEY W. (A'57), Design Engr., Southwestern Industrial Electronics Co., 10201 Westheimer Rd., Houston 19, Tex.
- WIDMANN, ELMER (S'54-M'56), Mem. Tech. Staff, Bell
- Tel. Labs., Murray Hill, N.J.

 WIDMANN, FRANK W. (A'46-M'55-SM'57), Myr., Radar Dev.

 & Design, RCA, Moorestown, N.J.

 WIDMANN, LAWRENCE C. (M'55), Dev. Engr., GE Co.,
- WIDMAR, JOSEPH H. (M'57), Jr. Engr., IBM, Poughkeepsie,

- N.Y.
 WIDOWS, CALVIN H. (S'57-A'58), Chief Engr., MOAB Broadcasting Co., Box 368, Moab, Utah.
 WIDRIKIS, ILGVARS (S'58-A'58), Electronics Technician,
 McDonnell Aircraft Co., St., Louis 3, Mo.
 WIDROW, BERNARD (M'58), Asst., Prof., Elec., Engrg., MIT,
 Cambridge 39, Mass.
 WIDUGIRIS, WILLIAM, JR. (S'57-M'59), Sales Engr.,
 Raytheon Mfg., Co., 9501 W., Grand Ave., Franklin Park,
 III.
- III.
 WIECEK, EUGENE J. (S'55-M'56), Process Engr., Automatic Electric Co., North Lake, III.
 WIECZ ORKOWSKI, EUGENE A. (S'55-M'57), Assoc. Engr., Atomic Power Div., Westinghouse Elec. Co., Box 1468, Pittsburgh 30, Pa.
 WIEDENBAUER, GEORGE J. (S'56-M'59), Asst. Engr., Raytheon Mfg. Co., 9501 W. Grand Ave., Franklin Park, III.

- WIEDER, EARLE J., JR. (S'52-A'54-M'59), Elec. Engr., RCA, Moorestown, N.J.
 WIEDER, HERMAN H. (S'47-A'50-M'55), Physicist, Naval Ordnance Lab., Corona, Calif.
 WIEDERHOLD, PIETER R. (A'57), Engr., Transfer Dept., Sylvania Elec. Prods., Inc., Estes St., Ipswich, Mass.
 WIEDMAN, RONALD E. (S'50-A'52-M'57), Salas Engr., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.
 WIEDRO. STANI FV R. (S'54-A'54), Transmission Min.
- WIEDRO, STANLEY B. (S'56-A'56), Transmission Man, Illinois Bell Tel. Co., Congress & Clark St., Chicago,
- WIEGER, JOSEPH J. (A¹59), Systems Field Engr., IBM, Mc-Guire AFB, Trenton, N.J.
- Guire Arb, Trenton, N.J.
 WIEGERT, PAUL G. (A'46-M'51-SM'56), Chief Intercept
 Techniques, Air Tech. Intelligence Center, Wright-Patterson
 AFB, Ohio.

- Techniques, Air Tech. Intelligence Center, Wright-Patterson AFB, Ohio.

 WIELAND, CHARLES W. (S'49-A'50-M'55), Pres., Hopkins Engrg. Co., 12900 Foothill Blvd., San Fernando, Calif.

 WIELAND, ELMER S. (S'42-A'44-SM'53), Genl. Engr., Requirements Branch, Requirements & Programs Div., Wright Air Development Center, Wright-Patterson AFB, Ohio.

 WIELENGA, LELAND J. (S'55-M'57), Research Engr. 'B', Lockheed Missile & Space Div., Sunnyvale, Calif.

 WIELENGA, WILBURG (S'56-M'57), Research Engr., Bendix Aviation, Kansas City, Mo.

 WIEMELS, EUGENE L. (M'59), Electronics Engr., Universal Drafting Machine Corp., 1825 E. 18 St., Cleveland 14, Ohio.

 WIEMELS, EUGENE L. (M'52), Sr. Project Engr., Warwick Mfg. Corp., 7300 N. Lehigh Rd., Chicago 31, III.

 WIENEKE, JOHN R. (SM'57), Research Engr., Hughes Aircraft Co., Culver City, Calif.

 WIENEKE, ROBERT G. (S'58-M'59), Electronic Associates, Inc., 101 S. Pine St., Mount Prospect, III.

 WIENER, ALBERT (A'51-M'54), Tech. Writer, O.S. Army Signal Publications Agency, Ft. Monmouth, N. J.

 WIENER, FRANCIS M. (SM'52), Supvrg., Consultant, Bolt, Beranek & Newman, Inc., Consultants in Acoustics, 50 Moulton St., Cambridge 38, Mass.

- WIENER, GEORGE (\$'55-A'56), Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va. WIENER, WARREN A. (A'42-M'55), Project Engr., Radiation, Inc., Melboume, Fla.
- Inc., Melboume, Fla. WIENSKI, SIGMUND E. (A'59), Projectionist, Weiss Corp., Stamford, Conn. WIER, EMMET J. JR. (S'57-M'5B), 1st. Lt., USAF, Communications Maint, Officer, 741st AC&W Sodn., Lackland AFB, Tex. Scott AFB, III.

- cations Maint. Officer, 741st AC&W Sadn., Lackland AFB, Tex. Scott AFB, Ill.

 WIER, JOSEPH M. (A'50-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 WIERENGA, WILLIAM B. (S'57-A'5B), Telemetry Technician, No. Amer. Aviation, Ealin AFB, Fla.

 WIES, GEORGE A. (A'44-M'45), Sales Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 WIESE, ALBERT H. (A'44-M'5D), Engr., KWK, 12 & Delmar St., St. Louis 1, Mo.

 WIESEN, DENNIS W. (S'56-M'5B), Jr. Engr., A-C Electronics Div., GMC, Milwaukee, Wis.

 WIESENBACH, ROGER B. (S'57-A'59), Research Asst., Radio Propagation Lab., Stanford Univ., Stanford, Calif.

 WIESENDANGER, MAX U. (A'53), Secy.-Treas., Landis & Gyr. Inc., 45 W. 45 St., New York 36, N.Y.

 WIESNER, JOHN C. (S'58-M'59), 2nd Lt., USAF, Home: 49 Lake Forest Dr., Daly City, Calif.

 WIESNER, JOHN C. (S'58-M'59), 2nd Lt., USAF, Home: 49 Lake Forest Dr., Daly City, Calif.

 WIESNER, SIDNEY (SM'57), Dir., Quality Control Genl., Transistor Corp., 91-27 138 Pl., Jamalca 35, L.I., N.Y.

 WIESNER, SIDNEY (SM'57), Dir., Quality Control Genl., Transistor Corp., 91-27 138 Pl., Jamalca 35, L.I., N.Y.

 WIFFIN, ROBERT F. (S'53-A'53), Engr., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.

 WIGDAHL, EOWARD E. (M'57), Staff Engr., Antlab, Inc., 1535 Oale St., San Diego 2, Calif.

 WIGGIN, WILLIAM R. (M'56), Engr., GE Co., 40 Fed-

- N.Y.

 WIGGIN, WILLIAM R. (M'56), Engr., GE Co., Syracuse N.Y.

 WIGGIN, WILLIAM R. (M'56), Engr., GE Co., 40 Federal St., West Lynn, Mass.

 WIGGINS, ALPHA M. (A'42-SM'51), V.P., Chg. of Engr., Electro-Voice, Inc., Buchanan, Mich.

 WIGGINS, CECIL P. (S'47-A'49), Electronics Engr., RCA, 11 819 W. Olympic, Los Angeles 64, Calif.

 WIGGINS, OAVIO G. (S'57-M'58), Modification Engr., Hughes Aircraft Co., Culver City, Calif.

 WIGGINS, E. THOMAS (S'50-A'52-M'54), Mem. Tech. Staff, Ramo-Wooldridge, B820 Bellanca, Los Angeles 45, Calif.

- WIGGINS, E. THOMAS (S'50-A'52-M'54), Mem. Tech. Staff, Ramo-Wooldridge, B820 Bellanca, Los Angeles 45, Calif.

 WIGGINS, EDSEL D. (M'59), Capt., USAF Security Service, San Antonio 1, Tex.

 WIGGINS, JOSEPH J. (A'59), Head Inspector, Johanson Mig. Co., Boonton, N. J.

 WIGGINS, JOSEPH J. (A'59), Head Inspector, Johanson Mig. Co., Boonton, N. J.

 WIGGINS, JOSEPH J. (A'59), Head Inspector, Johanson Mig. Co., Boonton, N. J.

 WIGGINS, JOSEPH J. (A'54), Head Inspector, Johanson Mig. Co., Boonton, N. J.

 WIGHTMAN, RICHARD J. (S'56-A'57), Customer Engr., 18M, 618 S. Michigan, Chicago, III.

 WIGHTMAN, CHARLES W., JR. (A'53-M'58), Assoc.

 Electronics Engr., Cornell Aeronautical Lab., 4455
 Genesse St., Buffalo, N.Y.

 WIGHTMAN, ELLSWORTH E. (A'45-M'52), Electronics Engr., Coodyear Aircraft Corp., Akron 15, Ohio.

 WIGHTMAN, PERRY E. (A'55-M'56), Engr., Owner, Electronics Engrg. Co., 417 S. Hanson St., Easton, Md.

 WIGHTMAN, RUSSELL R. (M'46), Physicist, Frankford Arsenal, Bridge & Tacony Sts., Philadelphia 37, Pa.

 WIGHTON, JAMES J. (A'41-M'58), Transmitter Engr., Canadian Broadcasting Corp., Box 10, Snowden, Monteral, P. Q., Canada.

 WIGNCTON, RONALD L. (M'57), Supvy. Electronics Engr., Natl. Security Agency, Ft. Meade, Md.

 WIHTOL, ARNOLD (M'59), Mgr., Mig., Tube Div., Varian Associates, 611 Hansen Way, Palo Alto, Calif. WIHTOL, WELTIS (A'51), 2029 Sunnyview Lane, Mountain View, Calif.

 WIKER, GORDON A. (S'57-M'57), Assoc. Engr., Jet Propolsion Lab., California Institute of Technology, 4800 Dak Grove, Pasadena 3, Calif.

 WIKLANO, TORO E. (A'49), Tech. Dir., Teleutedinogar AB, TUAB, Kommendorsgatan 10, Stockholm, Sweden.

 WIKSTROM, DONALD E. (A'54), Field Engr., Western Electric Co., Chatham Rd., Winston-Salem. N.C.

- nedningar AB, TÜAB, Kommendorsgatan 10, Stockholm, Sweden.
 WIKSTROM, DONALD E. (A'54), Field Engr., Wester Electric Co., Chatham Rd., Winston-Salem, N.C.
 WILBER, BURDETTE E. (A'53), Factory Engr., Philos Corp., Sandusky, Ohio.
 WILBER, LEO C. (M'52), Staff Mem., MIT, Lincoln Labs., Lexington 73, Mass.
 WILBER, LEWIS E. (A'56), Technician, Litton Industries, 960 Industrial Rd., San Curlos, Calif.
 WILBER, ROBERT W. (M'56), Electronics Scientist, Natl. Bureau of Standards, Boulder, Colo.
 WILBUR, DONALD I. (SM'57), Engrg. Sect. Head, Learcal Div., Lear, Inc., 3171 S. Bundy Dr., Santa Monica, Calif.

- Monica, Calif.

 WILBUR, EDWIN C. (A'26-VA'39-SM'57), TV Network Supvr., Tech. Operations, NBC, 30 Rockefeller Plaza, New York 20, N. Y.

 WILBUR, EVERETT T. (M'45), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Calif.

 WILBUR, JAMES W. (M'57), Electronics Engr., Bureau of Ships, Washington 25, D.C.

 WILCOMB, ERNEST F. (SM'53), Washington Engrg. Rep., Systems Div., Bendfx Aviation Corp., 3300 Plymouth Rd., Ann Arbor, Mich.

 WILCOX CHARIES H. (M'54), S. Marshington Engrg. Rep., Systems Div., Bendfx Aviation Corp., 3300 Plymouth Rd., Ann Arbor, Mich.

- Ann Arbor, Mich.
 WILCOX, CHARLES H. (M'56), Sr. Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City 31, Calif.
 WILCOX, CHARLES R. (M'56), Chief, Test Project Sect.,
 Strategic Air Command, USAF, 762 Sheridan Ave.,
 Columbus 9, Ohio.
- Columbus 9, Ohio.

 WILCOX, CLARENCE S. (M'56), Electronics Engr., Signal Com. Dept., USAEPG, Ft. Huachuca, Ariz. WILCOX, DONALD A. (A'56), Installation Technician, RCA, Montreal, P.O., Canada.

 WILCOX, DWIGHT D., JR. (A'51-M'56), Unit Mgr., Instrumentation Div., Ampex Corp., 860 Charter St., Redwood City, Calif.
- WILCOX, ELLIOT J. (S'54-M'56), Engr., Southern New England Telephone Co., 227 Church St., New Haven, Conn.
- WILCOX, GEORGE A. (A'47), Research Assoc., Research Institute, Univ. of Michigan, Ann Arbor, Mich.

- WILCOX, HARDLD E. (M'57), Electronics Engrg, Planning, Navy Dept., Washington 25, D.C.
 WILCOX, HENRY J., JR. (S'57-M'58), Assoc. Engr., Minneapolis-Honeywell Regulator Co., Aero Div., 1335D U.S. Hwy. 19, St. Petersburg, Fla.
 WILCOX, JACK E. (S'52-A'53-M'58), Sr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia, Pa.

- WILCDX, JACKSON F. (S'56-M'58), Tech. Designer, 8oston Museum of Science, 8oston, Mass. WILCOX, JAY V. (A'31-M'41-SM'43), Pres., WII-cox Electric Co., Inc., 1400 Chestnut, Kansas City 27, Mo.
- WILCOX, LOREN L. (S'57-M'59), 24 West End Ave., Pontiac 1B, Mich.
- Pontiac 1B. Mich.

 WILCOY, LYLE C. (M'59), Instr., Michigan State Univ., East Lansing, Mich.

 WILCOY, MIL TON L. (M'57), Assoc. Prof., Elec. Engrg., USN Post Graduate School. Monterev. Callf., WILCOY, RICHARD A. (S'57-M'58), Electronics Engr., Mason & Hanger, Silas Mason Co., Inc., Box 561, WILCOY, POLYADO.
- Ourrington, Iowa.

 WILCOX, RICHARD H. (S'49-A'52-M'56), Electronic Scientist, Naval Research Lab., Washington 25, D.C.

 WILCOX, ROBERT B. (M'50), Projects Mgr., Missile Systems Lab., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
- 54, Mass.

 WILCOX, ROBERT L. (S'48-A'49-M'5B), Research Group Head, Jersey Production Research Co., 1133 N. Lewis, Tulsa, Okla.

 WILCOX, ROBERT L., JR. (A'44-M'47), Electronics Engr., Navy Dept., Bureau of Ships, Washington 25, D.C.

 WILCOX, ROY C. (SM'56), Engrg. Group Leader, RCA, Camden, N.J.

 WILCOX, S. ROLLAND (A'44), Installation Supt., Genl. Telephone Co., Bloomington, III.

 WILCOX, WARNER R. (M'55), Electronics Inspection Specialist, Inspector of Naval Material, 1206 Santee St., Los Angeles 15, Calif.

- Los Angeres 15, Jail.

 WILCOXON, HERMAN O. (S'54-M'56), Engr., Eberline
 Instrument Corp., 805 Early, Sante Fe, N.M.

 WILCZENSKI, ADAM M. (A'58), Project Engr., Torring-
- WILCZENSKI, ADAM M. (A'58), Project Engr., Torrington Mig. Co., Torrington, Conn.
 WILD, ALBERT F. (A'52), Mgr., Sales, Military & Industrial Electronics Equipment, GE Co., Syracuse, N.Y.
 WILD, HERBERT K. (S'50-A'52-M'56), Dev. Engr., I8M, Poughkeepsie, N.Y.
 WILD JOHN H. (A'42-M'55-SM'56), Mgr., Quality Control, Philoc Corp., W. Monroe St., Sandusky, Ohio.
 WILD, JOHN J. (S'42-A'45-M'55), Pres., Wild & Associates, inc., 1519, Norhern Blod., Roslyn, L. I., N.Y.
 WILD, RUDOLF F. (A'37-VA'39-SM'48), Pres., American Feldmuehel Corp., 11W, 42 St., New York 36, N.Y.
 WILD, THOMAS A. (A'48-M'54-SM'57), Project Engr., Electronic Communications, Inc., 1830 York Rd., Timonium, Md.

- MO., MILDANGER, EDWARD G. (M'58), Sr. Applications Engr., Ampex Corp., 934 Charter St., Redwood City, Calif. WILDE, ARTHUR E., JR. (A'41-SM'55), Project Engr., Curtiss-Wright Corp., Caldwell, N. J. WILDE, ARTHUR J. (SM'54), Regional Rep., Military Electronics, Motorola, Inc., 333 W. 1st. St., Dayton 2, Ohio.
- Ohio.

 WILDE, NED (S'49-A'50-M'51-SM'55), Assoc, Prof., Nuclear Engrg, Dept., Univ. of Arizona, Tucson, Arlz.

 WILDE, ROBERT L. (S'58-M'59), Staff Mem., Sandia Corp., Sandia Base, Albuqueroue, N. M.

 WILDENBERG, HERBERT I. (S'52-A'53-M'58), Supvg. Engr., 8 ittermann Electric Co., Inc., Canaan, Com.

 WILDER, DANIEL B. (M'58), Electronics Officer, Staff Operational Development Force, USN, Norfolk, Va.

 WILDER, EDWARD J. (A'54), Regional Sales Mgr., Gates Radio Co., Quincey, III.

 WILDER, EDWARD J. (M'56), Supri, of Communications.

- WILDER, EDWARD J. (A'54), Regional Sales Mgr., Gates Radio Co., Quincy, III.

 WILDER, EUGENE H. (M'56), Supt. of Communications, Sun Oil Co., Box 2831, Beaumont, Tex.

 WILDER, GEORGE E. (M'55), Electronics Specialist, White Sands, Signal Corps Agency, White Sands, N. M.

 WILDER, GEORGE E. (M'55), Electronics Specialist, White Sands Signal Corps Agency, White Sands, N. M.

 WILDER, GEORGE R. (M'57), Engr., 8ell Tel. Labs., 801 Merritt Dr., Greensboro, N. C.

 WILDER, JOHN C. (M'59), Sales Engr., Canadian Westinghouse Co., Ltd., Hamilton, Ont., Canada.

 WILDER, JOHN E. (S'52-A'53-M'58), Sect. Head, Prods. & Services Dext., Avoc. Mfg. Corp., 201 Lowell St., Wilmington, Mass.

 WILDER, JOHN M. (A'56-M'58), Electronics Engr., Electro
- WILDER, JOHN M. (A'56-M'58), Electronics Engr., Electronics Test Div., Naval Air Test Center, Patuxent River, Md.

- Md.
 WILDER, KARL T. (S'49-A'52-M'58), Unit Head, Kearfott
 Co., Inc., 1500 Main Ave., CliRon, N. J.
 WILDER, KENTON T. (S'50-A'51-M'56), Engr., Mackay
 Radio & Telegraph Co., 8ox 1241, Palo Alto, Calif,
 WILDER, LEROY D. (S'54-M'57), Asst. Electronics Research Engr., Cornell Aeronautical Lab., 4455 Genesee
 St., Buffalo 21, N. Y.
- WILDER, M. KEITH (S'48-A'49-M'58), System Project Engr., Communication, RCA, Camden, N. J. WILDER, MARSHALL P. (4'28-SM'55), Engro. Mgr., Storage Tube Dept., Allen 8. DuMont Labs., 750 8loom-field Ave., Clifton, N. J.

- field Ave., Clifkon, N. J.

 WILDER, RICHARD L. (S'51-A'55), Radio Technician,
 WNDR, Box 1212, Syracuse 1, N. Y.

 WILDER, THOMAS W., III (M'56), Staff Scientist, Lockheed Missile & Space Div., Palo Alto, Calif,
 WILDERMAN, LEE F. (S'55-M'58), Electronics Engr.,
 Helipot Corp., 500 Superior Ave., Newport Beach, Calif,
 WILDERMUTH, JAMES R. (M'53), Engr., Bendix Aviation
 Corp., York, Pa.

 WILDERMUTH, JOHN L., JR. (A'41-M'55), Sr. Broadcast
 Engr., Hycon-Page, Llbya, 8ox 666, Tripoli, Libya.
 WILDES, KARL L. (A'24-SM'54), Prof., Elec. Engrg.,
 MIT, Cambridge 39, Mass.
 WILDFEURER, DAVID (SM'57), Sr. Fnor. Avan Div.

- MIT, Cambridge 39, Mass.
 WILDFEUER, DAVID (SM'57), Sr. Engr., Arma Div.,
 American Bosch Arma Corp., Garden City, L.I., N. Y.
 WILDI, THEODORE (M'57), Prof., Elec. Engrg., Laval
 Univ., Blvd. de L'Entente, Quebec, P.Q., Canada.
 WILDMAN, ALAN J. (S'48-A'48-M'56), Sr. Engr., Raytheon Mfg. Co., Box 636, Santa Barbara, Calif.

- WILDMAN, RICHARD C. (S'43-A'44-M'50-SM'54), Engrg. Supvr., Missile Electronic Packaging, Convair, Box 1D11, Pomona, Calif.
- WILDS, ROBERT 8. (M'53), Advanced Dev. Engr., Electron-ics Defense Lab., Sylvania Elec. Prods., Inc., Box 2D5, Mountain View, Calif.
- Mountain View, Calif.

 WILE MAN, ROGER A. (M'57), Electronics Engr., Packard
 Bell Electronics, 12333 Olympic Blvd., Los Angeles, Calif.

 WILES, JERRY K. (S'56-M'59), Engr., Remington Rand
 Univac, 2750 W. 7 St., St. Paul 16, Minn.

 WILES, QUENTIN T. (A'53), Pres., Capacitor Div., GoodAll Electric Mfg. Co., 121 W. 1st, Ogallala, Neb.

 WILEY, BURTON (M'59), Data Analyst, Philoc Corp., 22 &
 Lehigh Ave., Philadelphia, Pa.

- All Electric Mrg. Co., 121 W. 1st, Ogaliala, Neb.

 WILEY, BURTON (M'59), Data Analyst, Philoc Corp., 22 & Lehigh Ave., Philadelphia, Pa.

 WILEY, CARL A. (M'48), Pres., Wiley Electronics Co., 2045 W. Cheryl Dr., Phoenix, Ariz.

 WILEY, FRANK L. (S'49-A'51-M'56), Research Specialist, Autonetics Div., No. Amer. Aviation, Downey, Calif. WILEY, HERBERT T. (A'42-M'55), Chief Engr., KSYD-AM-TV, Box 2130, Wichita Falls, Tex.

 WILEY, LAWRENCE G. (M'52), Sr. Engr., Martin Co., Baltimore 3, Md.

 WILEY, CAWRENCE G. (M'52), Systems Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 WILEY, CV J. (S'58-M'59), Systems Engr., GE Co., 100 Plastics Ave., Pittsfield, Mass.

 WILEY, VERLIS H. (A'46), Engr., Mgr., Sylvania Elec. Prots., Inc., Ellicott St., Batavia, N. Y.

 WILFINGR RAYMOND J. (S'57-M'59), Jr., Engr., IBM, Endicott, N. Y.

 WILFORD, ROBERT O., III (S'56-M'5B), Engr., L. M. Holdaway & Associates, Lexington, Ky.

 WILGUS, DONALD S. (A'53-M'58), Sr. Research Engr., Autonetics Div., No., Amer., Aviation, Downey, Calif. WILHELM, CHARLES G. (S'55-M'58), Electronics Scientist, U. S. Naval Electronics Lab., San Diego 52, Calif. WILHELM, CHARLES G. (S'55-M'57), Div., Mgr., Research Dept., Magnolia Petroleum Co., Box 900, Dallas, Tex.

 WILHELM, JOHN F. (S'41-A'44-M'47-SM'51), Engr., Commercial Engr., Sect., Tube Div., RCA, Harrison, N. J. WILHELM, RICHARD L. (A'52), Mgr., Radio Parts of Arizona, 214 S. 11 Ave., Phoenix, Ariz.

 WILHOIT, DARREL I. (M'55), Design Engr., Tektronix, Inc., 80x 831, Portland 7, Ore.

 WILK, JAN (A'51), Sect. Engr., Telecommunications, Electronics Co., Longwood Rd., Hamilton, Ont., Canadian Westinghouse Co., Longw

- WILKERS, MARK W. (S'57-M'59), Research Associate, Applied Electronics Lab., Stanford Univ., Stanford, Callf. WILKENS, WILLIAM B. (A'41-SM'47), Mktg. Mgr., Components & Sub-Systems, Sanders Associates, Inc., 95 Canal St., Nashua, N.H. WILKERSON, ALAN W. (S'57-A'58), Dev. Enpr., Louis Allis Co., 427 E. Stewart, Milwaukee J., Wis. WILKERSON, JEFFERSON R. (A'43-SM'52), Staff Scientist, Missile Systems Div., Lockheed Aircraft Corp., 3251 Hanover St., Palo Alto, Calif. WILKES. CHESTER P. (M'53), Engr., 7214 Harkavy,

- Scientias, missile systems DVV, Lockneed Aircraft
 Corp., 3251 Hanover St., Palo Alto, Calif.
 WILKES, CHESTER P. (M'53), Engr., 7214 Harkavy,
 San Antonio 1, Tex,
 WILKES, LESTER D. (S'49-A'50-M'56), Sr. Engr.,
 Martin Co., Baltimore 3, Md.
 WILKES, RICHARD C. (A'54), Electronics Engrg. Supvr.,
 Genl. Dynamics Corp., Groton, Conn.
 WILKIE, LOYD E. (A'56), Research Engr., instrumentation
 Lab., MIT, Cambridge 39, Mass.
 WILKIE, RAMON D. (S'57-A'58), Electronics Techniclan,
 Land-Alr, Inc., Box 394, Holloman, N.M.
 WILKINS, ARNOLD F. (A'30-SM'48-F'58), Sr. Principal
 Scientific Officer, Dept. of Scientific & Industrial Research,
 Radio Research Sta., Ditton Park, Slouph, Bucks., England.
 WILKINS, DAVID E. 8. (A'56), Field Engr., Madigan Communications & Electronics Corp., 526 Mineola,
 Carle Place, Li, N.Y.
 WILKINS, J. RICHARD (A'57), Field Engr., Hoffman
- WILKINS, J. RICHARD (A'57), Fleld Engr., Hoffman Labs, Div., Hoffman Electronics, 3761 S. HIII St., Los Angeles 7, Callf. WILKINS, RICHARD G. (S'53-A'55), Test Engr., Con-vair, San Diego, Callf.
- vair, San Diego, Callf.
 WILKINS, WILLIAM H. (M'54), Electronics Research Engr.,
 Lockheed Missile & Space Div., Sunnyvale, Calif.
 WILKINSON, RRUCE L. (S'57-M'59), Assoc. Dev. Engr.,
 Consolidated Electrodynamics Corp., 620 N. Lake,
 Pasadena, Calif.
- WILKINSON, CHARLES W. (A'52-M'54), Staff Engr., Govt. Services Div., Raytheon Mfg. Co., Waltham 54, Mass.
- WILKINSON, CLEVELAND O. (SM'57), Field Engr.-ln-Chg., PREMMCO, Box 663, Scottsdale, Ariz. WILKINSON, DAVID A. (S'43-A'45-M'55), District Mgr., LMED, GE Co., 777 14 St., N.W., Wash-ington 5, D.C.
- migron 3, D.C.

 MILKINSON, HOWARD E. (A'59), Engr., Canadian 8roadcasting Corp., 8ox 10, Snowdon, Montreal, P.Q., Canada.

 WILKINSON, HUGH W. (M'54), Chief Mechanical Engr.,
 The Rust Industrial Co., Inc., 130 Silver St., Manchester, N.H.
- chester, N.H.

 WILKINSON, JACK D. (S'47-A'48-M'55), V.P., Wilkinson Bros. Co., 2406 Ross Ave., Dailas 21, Tex.

 WILKINSON, JAMES H. (S'49-A'50-M'55), Mem. Tech. Staff, Hudnes Aircraft Co., Culver City, Calif.

 WILKINSON, JOHN E. (A'50-M'53), Mgr., Govt. Contracts & Systems, Amphenol-Borg Electronics Corp., 333 W. 1st St., Dayton 2, Ohio.

 WILKINSON, LEE E. (S'51-A'53), Resident Rep., Lockheed Aircraft Corp., Marietta, Ga.

 WILKINSON, MITCHELL M. (M'58), Sr. Electronics Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dailas, Tex.

- WILKINSON, ROBERT H. (M'59), Sr. Engr., Westing-house Elec. Corp., 80x 746, 8 altimore 3, Md. WILKINSON, ROBERT J. (S'57-M'59), Electronics Engr., Rome Air Development Center, Griffiss AFB, N. Y. WILKINSON, ROBERT L. (A'49), Pres., Robert L. Wilkinson, Inc., 707 Stevenson Lane, Towson 4, Md.

- WILKINSON, SAM L. (M'58), Elec. Engr., Research & Tech. Dept., The Texas Co., Houston, Tex. WILKINSON, STANLEY H. (M'52), Supvr., Carrier-Microwave Sales, Canadian Westinghouse Co., Hamilton, Ont., Canada.

- Ont., Canada.
 WILKINSON, WILLIAM C. (S'40-A'43-M'45-SM'55), Engr.,
 RCA Labs., Princeton, N.J.
 WILL, HENRY C. (S'57-M'59), 1039 Taylor Dr.,
 Folcroft, Pa.
 WILL, JOHN H. (S'56-M'58), Jr. Engr., H.C. Will,
 Consulting Engr., 5017 Winnetka, Houston 21, Tex.
 WILLARD, BRUCE A. (A'58), Test Engr., McDonnell
 Aircraft Corp., Lamber-St. Louis Municipal Airport,
 Robertson, Mo.
 WILLARD, CHARLES H. (S'4B-A'49-M'55), Engr., GE Co.,
 Ulla, N.Y.
 WILLARD, DAVID S. (M'52), Engr., Inche.
- WILLARD, DAVID S. (M'52), Engr.-in-Chg., Balloon Instrumentation Dev. Unit, Directorate of Ballistic Mis-sile Test, HDWHB (Civil Service), Air Force Missile
- Development Center. Holloman AFB, N.M. WILLARD, DENNIS D. (S'50-A'51-SM'5B), Mgr Basic File Dev., IBM, Monterey & Cottle Rds., Jose 14, Calif.

- Development Center, Holloman AF B, N. M.
 WILLARD, DENNIS D. (S'50-A'51-SM'5B), Mgr.,
 Basic File Dev., IBM, Monterey & Cottle Rds., San
 Jose 14, Calif.
 WILLARD, FRANK H. (A'53-M'5B), Electronics Engr.,
 Ryan Aeronautical Co., Box 311. San Diego 12. Calif.
 WILLARD, HARRISON R. (S'52-M'55), 6226 Ravenna
 Ave., Seattle 5, Wash.
 WILLARD, JAMES M. (S'47-A'49-M'55), Elec. Engr.,
 Dept. of Defense, Washington 25, D.C.
 WILLARD, JAMES M. (S'47-A'49-M'55), Microwave Sales Mgr., Collins Radio Co., 1930 HiLine Dr.,
 Dallas 7, Tex.
 WILLCDCKS, STANLEY J. (S'50-A'51), Supvr., Service Engr., Douglas Aircraft Co., El Segundo Div.,
 827 Lapham St., El Segundo, Calif.
 WILLE, EUGENE A. (A'50-M'56), Systems Engr., Collins
 Radio Co., 2700 W. Olive Ave., Burbank, Calif.
 WILLE, ROBERT A. (A'53), Sales Mgr., Johnson & Hoffman
 Mfg. Co., 31 E. 2nd St., Mineda, L.I., N.Y.
 WILLENBECHER, JAMES F. (SM'44), V.P.-In-Chg.
 of Mfg., Hazelting Corp., Little Neck 62, L.I., N.Y.
 WILLENBORG, EMIL J. (A'477), Supvr., Westinghouse
 Field Engr., Box 7614, Philadelphia 1, pa.
 WILLENBORG, EMIL J. (A'477), Supvr., Westinghouse
 Field Engr., Box 7614, Philadelphia 1, pa.
 WILLENBROCK, F. KARL (S'46-A'51-M'55), Assoc.
 Dir. & Lecturer, Gordon McKay Lab., Harvard Univ.,
 Cambridge 38, Mass.
 WILLERT, ARTHUR F. (A'55), Unit Head, Kearfott Co.,
 Astronautics Lab., 1500 Main Ave., Clifton, N.J.
 WILLETT, EDWARD (S'42-A'44-M'55), Sr., Project Engr.,
 1TT Labs., Nutley 10, N.J.
 WILLETT, ROWARD (S'42-A'44-M'55), Forgr., Systems
 Dev., RCA, Burlington, Mass.
 Dev., RCA, Burlington, Mass.
 WILLEY, JOHN C. (M'59), Sr. Engr., Sylvania Elec.
 Prods., Inc., Waltham 54, Mass.
 WILLEY, JOHN C. (M'59), Sr. Engr., Sylvania Elec.
 Prods., Inc., Waltham 54, Mass.
 WILLEY, JOHN C. (M'59), Fr. Engr., Splvania Elec.
 Prods., Inc., Waltham 54, Mass.
 WILLEY, JOHN R. (S'52-A'53-M'58), Standards Engr.,
 Elec., RCA, Burlington, Mass.
 WILLEY, JOHN R. (S'55-M'57), Electronics Engr., FAA,
 Tech. Dev., Box 5767, Indianapolis 21, Ind.
 WILLEMAS, ALAN G. (S'55-M'57), Electronics Engr., FAA,
 Tech. Dev., Box 5767,

- Science Dir., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.

 WILLIAMS, ALFRED (S'57-M'59), 4148½ 36, S.W., Seattle, Wash.

 WILLIAMS, ALFRED R. (M'56), Engr., Airborne Instruments Lab., Inc., Mineola, L.I., N.Y.

 WILLIAMS, ALFRED R. (A'53), Pres., Custom Sound & Vision, Ltd., Custom Electronics, Ltd., Williams Machines Ltd., Manning Radio, Ltd., 359 Eglinton Ave., W., Toronto 12, Ont., Canada.

 WILLIAMS, ALLEN I., JR. (M'51), Pres., Allen I. Williams Co., 2263 S. Albion St., Denver 22, Colo.

 WILLIAMS, ALMAS C. (A'55), Capt., USAF, Radar Maint. Officer, 3401 Sturon, Keesler AF8, Miss.

 WILLIAMS, ANDREW S. (M'58), Electronics Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 WILLIAMS, ARTHUR D. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 WILLIAMS, ARTHUR D. (M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 WILLIAMS, ARTHUR D. (A'42), Principal Engr., Bendix Radio Div., Baltimore 4, Md.

 WILLIAMS, ARTHUR D. (A'42), Principal Engr., Bendix Radio Div., Baltimore 4, Md.

 WILLIAMS, BENJAMIN A. (S'53-M'58), Asst. Mgr., Testing Lab., IBM, Monterey Rd., San Jose, Calif.

 WILLIAMS, BENJAMIN A. (S'47-A'450-SM'55), Pord. Mktg.,

 WILLIAMS, BENJAMIN A. (S'47-A'50-SM'55), Prod. Mktg.,

- VILLIAMS, BRUCE M. (S'47-A'50-SM'55), Prod. Mktg., Industrial Silicon Transistors, Semiconductor Components Div., Texas Instruments, Inc., 13500 N. Central Expressway, Dallas
- Texas Instruments, Inc., 19000 N. Central Explession, John 21, Tex.

 VILLIAMS, BUCK D., JR. (S'54-M'56), Lt., USN, Asst. Electronics Supt., Norfolk Naval Shipyard, Portsmouth, Va. WILLIAMS, CARL E. (S'57-M'59), Jr. Engr., Chrysler Corn., 38111 Van Dyke, Dearborn, Mich.

 VILLIAMS, CARL S. (A'45), Engr., Army & Air Force Motion Picture Service, 237 Colgate Ave., Berkeley 8, Calif.

 WILLIAMS, CARLTON E. (S'54-M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

WIL-WIL - 435 -

- WILLIAMS, CARROLL E. (S154-A155), Test Engr., Convair, Ft. Worth, Tex.

- WILLIAMS, CARROLL E. (S'47-A'50-SM'54), Elec. Engr., Convair, Ft. Worth, Tex.
 WILLIAMS, CECIL E. (S'47-A'50-SM'54), Elec. Engr., Ramo-Wooldridge Corp., Box 9008, Hawthorne, Calif.
 WILLIAMS, CHARLES E. (A'51-M'55), Sr. Electronics Engr., Temco Aircraft Corp., Box 6191, Dallas, Tex.
 WILLIAMS, CHARLES E. (L'15-A'17-M'24-SM'43-F'52), Piano Technician, 2207 Broadway, N., Seattle 2, Wash.
 WILLIAMS, CHARLES H. (A'29-VA'39-M'55), Lt. Cmdr., USNR, Retired, 2031. 34 St., S.E., Washington 20, D.C.
 WILLIAMS, CHARLES H. (A'58), Asst. to Dir., Purchases, Princeton Univ., Princeton, N.J.
 WILLIAMS, CHARLES R. (M'57), Sr. Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.
 WILLIAMS, CHARLES S. (A'48-M'50-SM'56), Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Oailas 9, Tex.
 WILLIAMS, CHARLES S., JR. (S'48-A'50-M'58), Staff

- WILLIAMS, CHARLES S., JR. (\$'48-A'50-M'5B), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
- mem., Janua corp., Janua base, Albuquerque, N.M., WILLIAMS, CLARENCE R. (A'44-M'57), Oir., Electronics, Parker Pen Co., Janesville, Wis. WILLIAMS, CLIFFORD W. (M'58), Staff Engr., IBM, King-ston, N.Y.
- SWI, F.T.
 WILLIAMS, DAVID (A'56-SM'58), Project Mgr., Diamond
 Ordnance Fuze Labs., Washington 25, D.C.
 WILLIAMS, DAVID A. (M'57), Chief Engr., Radson Engrg.
 Corp., Macon, III.
- WILLIAMS, DAVID E. (S'56-M'59), 126 Maple St., Con-
- WILLIAMS, DAVID G. (S'48-A'50-M'58), Broadcast Studio Engr., Engleman & Co., Inc., 2480 16 St., N.W., Washington 9, D.C.

- Engr., Engleman & Co., Inc., 2480 16 St., N.W., Washington P., D.C.
 WILLIAMS, DAVID G. (A'47-M'55), Engr., Acton Labs., Inc., Acton, Mass.
 WILLIAMS, DENVER G. (M'57), Assoc. Engr., Boeing Airplane Co., Wichita. Kan.
 WILLIAMS, DONALD J. (M'58), Sr. Dev. Engr., Electronics Systems, 1818 W. State Ave.. Plotniii, Ariz.
 WILLIAMS, DONALD K. (M'59), Research Engr., V-M Corp., 280 Park St., Benton Harbor, Mich.
 WILLIAMS, E. R., JR. (M'59), Prod. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.
 WILLIAMS, E. R. L. (M'59), Prod. Engr., Texas Instruments, Inc., Box 312, Dallas 21, Tex.
 WILLIAMS, E. R. L. (M'59), Electronics Engr., Malden 48, Mass.
 WILLIAMS, EARLE C. (A'56), Electronics Engr., Consultant, Arde Engr., 75 Austin St., Newark 2, N.J.
 WILLIAMS, EARLE A. (S'48-M'59-M'595), Mgr., Design Projects, Defense Electronics Prods. Div., Airborne Systems Dept., RCA, Camden, N.J.
 WILLIAMS, EDWARD 1, R. (A'54), Project Engr., Natl.
- WILLIAMS, EDWARD 1., JR. (A'54), Project Engr., Natl. Scientific Lab., Inc., 2010 Massachusetts Ave., N.W., Washington 7, D.C.
- Washington 7, U.C.
 WILLIAMS, ELMER M. (A'52-SM'57), Sr. Project Engr.,
 U.S. Naval Ordnance Lab., White Oak, Silver Spring, Md.
 WILLIAMS, EMMETT A. (A'44-M'46), Educational Specialist,
 Training Div., Bureau of Naval Personnel, Washington 25, D.C.
- WILLIAMS, EVERARD M. (S'36-A'41-SM'44-F'54), Prof. & Head, Elec. Engrg. Dept., Carnegie Institute of Technology, Pittsburgh 13, Pa.
- WILLIAMS, FLOYD R. (S'57-A'57), Radio & Radar Mech., Pan American World Airlines, Box 45278, Los Angeles 45, Calif.
- Pan American World Airlines, Box 45278, Los Angeles 45, Calif.

 WILLIAMS, FRANK E. (S'51-A'54), Electronics Engr., Pearl Harbor Naval Shipyard, P.H.N.S., Pearl Harbor, Hawall.

 WILLIAMS, FRANK H. (S'47-M'48-SM'54), Asst. Chief Engr., Wheeler Labs., Inc., 122 Cutter Mill Rd., Great Neck, L.I., N.Y.

 WILLIAMS, FRANK K. (A'55-SM'56), Supvr., Instrumentation, Rocketdyne Div., No. Amer. Aviation, 6633 Canoga Ave., Canoga Park, Calif.

 WILLIAMS, FRED F. (M'57), Supvr., Electronics Sales & Service, Aviation Electric, Ltd., 200 Laurentian Bivd., Montreal, P. O., Canada.

 WILLIAMS, FRED G. (S'49-A'50-M'55), Engr., Schlumberger Well Surveying Corp., Box 665, Woodward, Okita.

 WILLIAMS, FRED G. C. (SM'54-A'57), Prof., Elec. Engrg., The University, Manchester 13, England.

 WILLIAMS, CARNET M., E. (M'57), Head, Dept. of Production Technology & Control Engrg., Northampton College of Avanced Technology & Control Engrg., Northampton College of Production Technology & Control Engrg., Northampton College of Avanced Technology, St., John St., London, E.C. 1, England.

 WILLIAMS, GEORGE C. (M'55), Chief Engr., Internati.

- WILLIAMS, GEORGE C. (M·55), Chief Engr., Internat I. Resistance Co., 401 N. Broad St., Philadelphia 8, Pa. WILLIAMS, GEORGE E. (A·54), System Analyst, Electro-Data Div., Burroughs Corp., 460 Sierra Madre Villa, Pasa-
- WILLIAMS, GEORGE H. (A'57), Ground Communication Technician, West Coast Airline, Boeing Field, Seattle, Wash, WILLIAMS, GEORGE W. (M'53), Prod. Design Engr., Recordak Corp., Subs. of Eastman Kodak Co., Wanamaker Pl.,

- New York 3, N. Y.

 WILLIAMS, GEORGE W., JR. (A'53-M'56), Sect. Head, Field Engra, Div., Hazeltine Electronics Div., 138 Haven Ave., Port Washington, L. I., N. Y.

 WILLIAMS, GERALD C. (A'57), Lab. Technician, Schlumberger Well Surveying Corp., Box 550, Ridgefield, Conn.

 WILLIAMS, GERALD 1. (S'48-A'51-M'56), Chief Engr., Transistor Electronics Co., 3357 Republic Ave., Minneapolis 26, Minn.
- polis 20, minn, WILLIAMS, GORDON R. (S'53-M'55), Elec. Engr., Ground Radar Unit, HMED, GE Co., Syracuse, N. Y. WILLIAMS, GUY S. (A'58), Electronics Technician, Research Institute, Univ. of Dayton, 300 College Park, Day-
- WILLIAMS, HAROLD C. (A'55), Lt. Col., U.S. Army, JUSAG, Jammat, Turkey, APO 254, New York, N.Y. WILLIAMS, HARRY A., JR. (M'57), Engr., GE Co., Utica, N. Y.
- Utica, N. Y.

 WILLIAMS, HARRY G. (SM'56), Sr. Engr., Datamatic
 Corp., 151 Needham St., Newton Highlands 61, Mass.

 WILLIAMS, HARRY R. (A'59), Air Force Quality Control
 Inspector, USAF, NYAPD MAAMA, 111 E. 16 St., New
 York, N. Y.
- WILLIAMS, HARRY R. (M'58), Tennessee TV Coordinator, Southern Bell Tel. & Telegraph Co., 333 Union St., Nash-
- VILLIAMS, HARRY V. (A'54), V. P., Hartford Accident & Indomnit, Co., 600 Acylum Ave., Hartford 15, Conn.
 WILLIAMS, HENRY T. (M'55), Electronics Engr., USAF, Communications Engrg. Div., McClellan AFB, Calif.
 WILLIAMS, HERBERT D. (A'58), Owner, H. D. Williams & Co., 120 Broadway, New York 5, N. Y.

- WILLIAMS, HERBERT P. (SM'45), Scientist, SHAPE Air Defence Technical Center, 59 Oude Waalsdorperweg, Den Haag, Holland
- MILLIAMS, HERBERT S. (A'57), Technician, Dept. of Transport Telecommunications, 25 St. Clair Ave., W., Toronto, Ont., Canada
- Toronto, Ont., Canada, WILLIAMS, HOLLIE C., (A'36-M'46), Transmission Engr., Ohio Bell Tel. Co., 750 Huron Rd., Cleveland 15, Ohio. WILLIAMS, HOWARD M. (S'52-A'55), Douglas Aircraft Co., 827 Lophan St., El Segundo, Calif. WILLIAMS, HUGH M. (M'53-SM'55), Dir., Research Lab., Link Aviation, Inc., Palo Alto, Calif.

- Link Aviation, Inc., Palo Alto, Calif.
 WILLIAMS, J. NELSON (S'55-A'55), 50 Blanding Ave.,
 East Providence, R.I.
 WILLIAMS, JACK R.L. (A'46-M'55), Genl. European
 Mgr., Worthington Corp., 37 Rue de Liege, Paris 8, France.
 WILLIAMS, JAMES B. (M'46-SM'51), Dir., Weapons Systems Engrg., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- WILLIAMS, JAMES H. M. (S'46-A'50-M'56), Sr. Systems Engr., Ferranti Electric, Inc., 95 Madison Ave., Hempstead, L.I., N. Y.
- WILLIAMS, JAMES K. (A'28-VA'39-M'49), Purch, Agent, TV-Radio, Canadian Westinghouse Co., Canel Rd., Brandtford, Ont., Canada.
- rora, UR., Canada,
 WILLIAMS, JAMES V., JR. (M'50-SM'52), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver City, Callf.
 WILLIAMS, JEROME E. (A'48-M'59), Supw., Equipment
 Design & Construction, Sonotone Corp., Elimsford, N. Y.
 WILLIAMS, JOHN A., JR. (S'56-M'57), Design Engr.,
 Ampex Corp., Video Prod. Development, 934 Charter St.,
 Redwood City, Calif.
- Redwood City, Calif.
 WILLIAMS, JOHN B., JR. (A'57), Tech. Specialist, Communication Prods. Dept., GE Co., Lynchburg, Va.
 WILLIAMS, JOHN B., JR. (M'56), Staff Mem., MIT, Lincoln Lab., Lexington 73, Mass.
 WILLIAMS, JOHN B., JR. (S'58-M'59), Assoc. Engr., Del Mar Engrg. Labs., 6901 Imperial Hwy., Los Angeles 45, Calif.

- wei Mar Engrg. Laus., OYUL Imperial INV., LOS Angeles 45, Calif.
 WILLIAMS, JOHN E. (A'59), Head, Science Dept., Broad Ripple High School, Indianapolis, Ind.
 WILLIAMS, JOHN H. (M'58), Systems Engr., RCA Internat!.
 Div., Clark, N. J.
 WILLIAMS, JOHN H., JR. (A'57), Electronics Engr., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va.
 WILLIAMS, JOHN J. (A'43-M'55), Supur., Engra. Records & Reproduction, Research & Advanced Dev. Div., Avco Mfg. Co., 201 Lowell St., Wilmington, Mass.
 WILLIAMS, JOHN J. (S'56-M'57), Dev. Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51, III.
 WILLIAMS, JOHN R. (A'42-M'46), Electronics Scientist, Radio Countermeasures Branch, Naval Research Lab., Washington 25, D. C.
 WILLIAMS, JOHN S., JR. (S'56-M'58), Elec. Engr.,

- ington 25, D. C.

 WILLIAMS, JOHN T., JR. (S'56-M'58), Elec, Engr.,
 U. S. Govt., Washington, D. C.

 WILLIAMS, JOHN T., (S'47-A'49-M'55), Project Engr.,
 Hallicrafters Co., 4401.5 Ave., Chicago, III.

 WILLIAMS, KEITH S. (M'57), Field Engr., Tektronix,
 Inc., Box 831, Portland, Ore.

 WILLIAMS, KENNET H., JR. (M'57), Chief Engr., KT VW-TV,
 5544 N. 35, Tacoma, Wash.

 WILLIAMS, KENNET H. (M'58), Owner-Mgr., Kieran Will-

- WILLIAMS, KENNETH, JK. (M. 57), Chief Engl., KI VW-17, 5544 N. 35, Tacoma, Wash.
 WILLIAMS, KIERAN F. (M. 58), Owner-Mgr., Kieran Williams Electronics, 121 Braemor Rd., Dublin, Ireland.
 WILLIAMS, LARRY (M. 58), Asst. Engr., Sperry Gyroscope
 Co., Great Neck, L. I., N. Y.
 WILLIAMS, LA VERGNE E. (A. 41-SM. 50), Sect. Head,
 Radiation, Inc., Drawer 37, Melbourne, Fla.
 WILLIAMS, LAWRENCE D. (A. 53), Maj., USAF, Hors. 17th
 AIr Force, Box 9, APO 231, New York, N. Y.
 WILLIAMS, LAWRENCE E. (A. 52-M. 58), Capt., USAF,
 Kelly AF8, Tex.
 WILLIAMS, LAWRENCE E. (A. 50), Electronics Fabricator,
 Sandia Corp., Sandia Base, Albuquerque, N. M.
 WILLIAMS, LEWIS A. (M. 57), Chief Engr., Excello Electronics, 193-06 Linden Blvd., Jamaica, L. 1., N. Y.
 WILLIAMS, LLOYD H. (A. 57), Contract Instr., RCA Service
- WILLIAMS, LOVD H. (A'57), Contract Instr., RCA Service Co., Camden 6, N. J.
 WILLIAMS, LOUIS A. (A'37-M'45), Transmitter Supvr., WHAS, Inc., Box 208, Anchorage, Ky.
 WILLIAMS, LOUIS L., III (S'48-A'49-M'55), Electronics Engr., Dlamond Ordnance Fuze Labs., Washington 25, D. C.
- WILLIAMS, LOYD T. (M'57), Chief Elec. Engr., Southwestern Gas & Electric Co., Box 1106, Shreveport, La.
- WILLIAMS, MACK E. (M'57), 2nd Lt., U.S. Army, Elec. Engr., U.S. Army Signal Research & Development Lab., Ft. Monmouth, N.J.

- Lab., Ft. Monmouth, N. J.

 WILLIAMS, MARSHALL A. (SM'53), Dir., Mkt. Dev.,
 Raytheon Mfg. Co., Waltham 54, Mass.

 WILLIAMS, MELVIN P. (S'56-M'58), Patent Agent,
 IBM, 632 Pennsylvanla Bldg., Washington 4, D. C.

 WILLIAMS, MORRIS M. (S'56-M'58), Patent Agent,
 IBM, 632 Pennsylvanla Bldg., Washington 4, D. C.

 WILLIAMS, MORRIS M. (S'56-M'57), Lt., USMC,
 Communications Officer, 4th Bn., 12th Marines, Hgrs.
 Battery, 4th Bn., 12th Marines, 3rd. Marine Div.,
 FMF, FPO, San Francisco, Calif.

 WILLIAMS, NATHAN (A'36-VA'39-M'55), Engr.,
 110 Algoma Blvd., Oshkosh, Wis.

 WILLIAMS, REAL T. (SM'54), Head, Electromechanical
 Sect., Thomas A. Edison, Inc., 51 Lakeside Ave.,
 West Orange, N. J.

 WILLIAMS, NEVILLE A. (SM'54), Administrative Face.

- WILLIAMS, NEVILLE A. (SM'54), Administrative Engr., DeHavilland Aircraft of Canada, Ltd., Postal Sta. L, Toronto, Ont., Canada.
 WILLIAMS, NORMAN (S'48-A'50-M'55), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

- Calif.

 WILLIAMS, NORMAN H. (A'52-M'57-SM'59), Chief,
 Mfg. Engr., Eitel-McCullough, Inc., 301 Industrial
 Way, San Carlos, Calif.

 WILLIAMS, OWEN L. (A'53-M'59), Systems Dev.
 Engr., Bell Tel. Labs, North Andover, Mass.

 WILLIAMS, PAUL A. (A'36-VA'39), Dir., Engra.,
 Key Television, Inc., KEYT, 730 Miramonte Dr.,
 Santa Barbara, Calif.

 WILLIAMS, PHILIP B. (SM'54), Chief Engr., Jensen Mfg.
 Co., 6601 S. Laramie Ave., Chicago 38, III.

 WILLIAMS, RALPH O. (M'41-SM'43), Pres. & Genl.
 Mgr., Graphis Servicos, 265 S. Harris Rd., Ypsilanti,
 Mich.

- WILLIAMS, RALPH O. (M 54), Mgr., Defense Systems Dept., GE Co., Box 1537, Vandenberg AFB, Calif. WILLIAMS, READE (A'55), Dev. Engr., GE Co., 40 Federal St., West Lynn, Mass. WILLIAMS, RICHARD E. (SM'56), Dir., Engrg., Scope, Inc., Ric. 29-211, Fairfax, Va. WILLIAMS, RICHARD H. (S'53-A'54), Teaching Assoc., Elec. Engrg. Dept., Univ. of New Mexico, Albuquerque, N.M.
- WILLIAMS, RICHARD M. (A'59), 1200 S. Penn Ave.,
- WILLIAMS, ROBERT (M'57), Process Control Engr., Radio Valve Co., Ltd., 189 Dufferin St., Toronto, Ont., Canada.
- WILLIAMS, ROBERT C. (S'57-M'59), Jr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
- N.Y.
 WILLIAMS, ROBERT C., G., (M. 39-SM. 43), Chief Engr.,
 Phillips Electrical, Ltd., Century House, Shaftesbury
 Ave., London, W. C., 2, England.
 WILLIAMS, ROBERT D., (M. 57), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N. J.
 WILLIAMS, ROBERT D., (S. 155-M. 58), Electronics Engr.,
 Mem. Tech. Staff, Ramo-Wooldridge Corp., Box 45444,
 Airport Sta., Los Angeles 45, Calif.
- Airport Sta., Los Angeles 45, Calif.
 WILLIAMS, ROBERT E. (A'56-M'57), Engr., Federal
 Electric Corp., Lodi, N. J.
 WILLIAMS, ROBERT G. (A'53-M'58), Capt., USMC,
 Washington, D. C.

- Washington, D. C.
 WILLIAMS, ROBERT J. (S'54-M'56), Assoc. Engr.,
 IBM, Yorktown, N.Y.
 WILLIAMS, ROBERT J. (A'54), Asst. Chlef, Radar
 Engr., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.
- tadt, N.J.
 WILLIAMS, ROBERT J. (S'43-A'46-SM'54), Engrg.
 Sect. Head, Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 WILLIAMS, ROBERT J., III (A'49-M'55), Sr. Project
 Engr., Burnoughs Corp., Paoli, Pa.
 WILLIAMS, ROBERT L. (A'46-M'55), Sr. Engr.,
 Staff Assi, Westinghouse Elev. Corp., Friendship
 Airport, Baltimore 3, Md.

- AITDOR, BAILMORE 3, MG.
 WILLIAMS, ROBERT L. (M'59), Electronics Engr., GE
 Co., Utica, N.Y.
 WILLIAMS, ROBERT R. (A'57), Field Service Engr.,
 Varian Associates, 611 Hansen Way, Palo Alto,
 Calif.
- WILLIAMS, ROBERT T. (S'50-A'51-M'56), Project Engr., Aeronautical Radio, Inc., 1700 K St., N.W., Washington, D.C.
- WILLIAMS, ROBERT W. (A'49-M'55), Mem. Tech. Staff, Space Electronic Corp., 1200 Airway, Glendale, Calif.

- Calif.

 WILLIAMS, ROGER B. (A'56-M'58), Buyer, Western Electric Co., Lexington Rd., Winston-Salem, N.C.

 WILLIAMS, ROGER B., JR., (S'47-A'48-M'55), Sr. Engr., Toledo Scale Co., Toledo 1, Ohio.

 WILLIAMS, RUSSELL P. (M'57), Central District Mgr., Ampex Corp., 5938 W. Montrose Ave., Chicago 34, III.

 WILLIAMS, SAMUEL B., (A'47-SM'53-F'577, Consulting Elec., Engr., 3701 Taylor St., Chevy Chase 15, Md.

 WILLIAMS, SIDNEY B. (A'41-SM'54), 1st V.P. & Dir., Prod., Dev., Trans-Sonics, Inc., Middlesex Toke. at Rte. 128, Burlington, Mass.
- Tpke. at Rte. 128, Burlington, Mass.
 WILLIAMS, SIDNEY B. (A '46-M'55), Supvr., Engr., Sprague Electric Co. of Wisconsin, Inc., Gratfon, WilLIAMS, THOMAS I. (S'56-M'58), Elec. Engr., RCA, Camden, N. J.
 WILLIAMS, THOMAS R. (A'53-M'58), Asst. Prof., Princeton Univ., Princeton, N. J.
 WILLIAMS, THOMAS R. (S'54-M'58), Instr., Moore School of Elec. Engr., Univ. of Pennsylvania, Philadelphia, Pa.
 WILLIAMS, TODD C. (SIGN 4-M-58)

- WILLIAMS, TODD G. (S'50-A'51-M'56), Maj., USAF, Chief, Communications Planning, Rome Air Development Center, Griffiss AF8, N.Y.

- Center, Griffiss AFS, N.Y.

 WILLIAMS, VICTOR (A'S), Testing & Regulating Inspector,
 Canadian Nati. Telegraphs, St. Johns, Nifd., Canada.

 WILLIAMS, VICTOR B. (M'S7), Aeronautical Research
 Engr., Redstone Arseanal, Huntsville, Ala.

 WILLIAMS, WALTER B. (SM'S1), Communications
 Engr., Motorola Communications & Electronics, Inc.,
 380 Hilton Rd., Detroit 20, Mich.

 WILLIAMS, WALTER J., JR. (M'S6), Sr. Engr., ITT Labs.,
 3702 E. Pontlac, Ft. Wayne, Ind.

 WILLIAMS, WAYNE K. (M'S2), Field Engr., Philoc Corp.,
 (Diamond Ordmance Fuze Lab., Washington, D.C.), Tloga
 & C Sts., Philadelphia 34, Pa.
- WILLIAMS, WILLIAM A. (A'51-M'55-SM'55), Asst. to Chief Dev. Engr., Potter & Brumfield, Inc., Princeton, Ind.

- Chief Dev. Engr., Potter & Brumfield, Inc., Princeton, Ind.

 Ind.

 WILLIAMS, WILLIAM E. (S'50-A'52-M'58), Elec. Engr., Dow Chemical Co., Velasco, Tex.

 WILLIAMS, WILLIAM E. (M'52), Design Engr., Newcomb Electronics Corp., 6824 Lexington Ave., Hollywood 38, Calif.

 WILLIAMS, WILLIAM E., JR. (SM'55), Research Engr., Natl. Aeronautics & Space Administration, 1520 H St., N.W., Washington 25, D.C.

 WILLIAMS, WILLIAM F. (A'50-M'56), Group Leader, Microwave Antennas, Lockheed Missile Systems Div., Sunnyvale, Calif.

 WILLIAMS, WILLIAM T. (S'56-M'58), Engr., Martin Co., Orlando, Fla.

 WILLIAMS, WILLIE H. (M'59), Jr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia, Pa., Villiams, WOODWORTH S. (A'47-M'55), Project Engr., Bendix Radio Div., Towson 4, Md.

 WILLIAMSON, CHARLES A. (A'56), Maint. Supvr., Engrg., Services Div., Telecomputing Corp., Roy 447.

 Holloman AFD, N.M.

 WILLIAMSON, CLIFFORD N. (SM'58), Dir., Engrg., Electronics Div., Flein Natl., Maint. Mart. WILLIAMSON, CLIFFORD N. (SM'58), Dir., Engrg., Electronics Div., Elgin Natl. Watch Co., 2435 N. Naoml, Burbank, Calif.
- Burbank, Calif.
 WILLIAMSON, CLIFTON R. (S'47-A'49-M'55), Plant
 Extension Engr., Long Lines Dept., AT&T Co., 400
 Hamilton Ave., White Plains, N.Y.
 WILLIAMSON, DICK E. (M'57), Supry. Electronics Engr.,
 Norfolk Naval Shipyard, Persemouth, Va.

- WILLIAMSON, DONALO B. (S'50-A'51-SM'56), Consulting Engr., Broadcasting Communications, Box 42, Cobourg, Ont., Canada.
 WILLIAMSON, EOWARO P. (S'54-M'56), Box 664, Avon Park, Fia
- Avon Park, Fla.
 WILLIAMSON, FRANK R., JR. (S'57-M'59), Jr. Engr.,
 Radiation, Inc., 80x 37, Melboume, Fla.
 WILLIAMSON, GEORGE F. (M'47), Elec. Engr., The
 Baldwin Plano Co., 1801 Gilbert Ave., Cincinnatl 2,
- willLIAMSON, GEORGE H.S. (A'55), Electronics Circuit Technician, Stromberg-Carlson Co., 1895 Hancock St., San Diego, Calif.
- St., San Diego, Calif.
 WILLIAMSON, HAROLO G. (M'57), Chief Engr., Applied Science Div., Fairchild Engine & Airplane Corp., 1334
 N. Henry St., Alexandria, Va.
 WILLIAMSON, HARPER L. (S'55-A'56), Owner, Williamson's Radio & Television Service, Box 626, LaBelle, Fla.
 WILLIAMSON, J. CLAUDE (S'47-A'49-M'55), Supwr.,
 Antenna & Microwave Engrg., HMEO, GE Co., Syracuse, N.Y.
- N.Y.

 WILLIAMSON, JACK A. (M'58), Engr., Northern Electric
 Co., 250 Sidney St., Belleville, Ont., Canada.

 WILLIAMSON, JAMES V. (A'58), Oesign Engr., Sperry

 Microwave Electronics Co., Box 1828, Clearwater, Fla.

 WILLIAMSON, JOHN F. (S'35-VA'39), Exec. V.P.,

 Barker & Williamson, Inc., Bristol, Pa.

 WILLIAMSON, JOHN H. (M'54), Electronics Engr., Natl.

 Aviation Facilities Experimental Center, Atlantic City, N.J.
- Aviation Facilities Experimental Center, Atlantic City
 WILLIAMSON, KENNETH A. (A'56), Lt. Jg., USN,
 BOQ, 843, NAAS Sautley Field, Pensacola, Fla.
 WILLIAMSON, KENNETH H. (A'55-M'57), Communic
 tion Engr., Manitoba Hydro Electric Board, 650 Harro
 St., Winnipeg, Man., Canada.

- St., Winnipeg, Man., Canada.
 WILLIAMSON, LAURANCE A. (S'57-A'57), Field Engr.,
 Raytheon Mfg. Corp., Waltham, Mass.
 WILLIAMSON, RAYMONO H. (A'31-M'44-SM'46-F'51),
 Mgr., Engrg. Administration, Communication Prods. Dept.,
 GE Co., Lynchburg, Va.
- WILLIAMSON, ROBERT 8. (S'53-M'56), Engrg. Supvr., Northern Electric Co., Ltd., 250 Sidney St., Belleville, Ont., Canada. WILLIAMSON, ROBERT 8. (S'53-M'55), Systems Engr., RCA Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.
- WILLIAMSON, ROBERT G. (A'47-M'55), Project Engr., Remington-Rand Univac, Wilson Ave., South Norwalk, Conn. WILLIAMSON, ROBERT J. (A'54), Asst. to Chief, Ad-vanced Dev. Sect., Avco Mfg. Corp., Wilmington, Mass.
- vanced Dev. Sect., Avco Mfg. Corp., Wilmington, Mass. WILLIAMSON, ROBERTI., JR. (A'47-M'55), Staff Asst., Project Mgr., Radar, Hughes Aircraft Co., Fullerton, Calif. WILLIAMSON, ROBERTI. (A'55), Dev. Engr., JTT Labs., Nutley 10, N. J. WILLIAMSON, RUSSELL S. (M'59), Sr. Technician, Sylvania Elec. Prods., Inc., Waltham, Mass. WILLIAMSON, STANLEY R. (M'52), Supvy. Electronics Engr., U.S. Naval Shipyard, Mare Island, Vallejo, Calif.

- WILLIAMSON, WARREN P., III (A'55), Engr., WK8N Broadcasting Corp., 3930 Sunset Blvd., Youngstown, Ohio.
- WILLIAMSON, WARREN W. (A'55), Electronics Computer Applications, Tennessee Gas Transmission Co., Box 2511, Houston 1, Tex.
- WILLIAMSON, WILLIAM A. (S'57-A'59), Tester, Geo-rgia Power Co., 713 8road St., Augusta, Ga. WILLIAMSON, WILLIAM H., JR. (S'52-A'53-M'58), Trans-former Oesign Engr., RCA, Camden 2, N.J.
- former Oesign Engr., RCA, Camden 2, N.J.

 WILLIAMSON, WILLIAM, C. (\$54-M*56), Evaluation Engr., Minneapoils-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapoils, Minn.

 WILLIARO, MERWIN W. (\$'53-M*55), Project Engr., Oynatronics, Inc., 717 W. Amelia Ave., Orlando, Fla.

 WILLIBALO, GUNTHER E. (M*58-SM*59), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 WILLIM, OONALO K. (\$'55-M*58), Elec. Engr., Sylvania Eiec. Prods., Inc., Waltham, Mass.

 WILLING, HARRY A. (A'54-M*58), Sr. Engr., Electronic Communications, Inc., 1501, 72 St., St. Petersburg, Fla.

- Fila.
 WILLING, WALTER R. (S'49-A'51-M'57), Capt.,
 Royal Canadian Elec. & Mech. Engrs., Canadian
 Army, Hors., Ottawa, Ont., Canada.
 WILLINGER, KENNETH G. (A'57), Sr. Experimental
 Technician, Bendix Aviation Corp., 95 & Troost Sts.,
 Kansas City 30, Mo.
- WILLINGHAM, JOSEPH O. (A'56), Asst. Foreman, Elec-tronic Mfg., Convair-Astronautics, San Diego, Calif. WILLIS, ALVIN H. (M'51), Program Mgr., Raytheon Mfg. Co., Wayland, Mass.

- WILLIS, ALVIN H. (M'51), Program Mgr., Raytheon Mfg.
 Co., Wayland, Mass.
 WILLIS, EVERETT M., II (S'55-M'57), Sales Engr.,
 Transitron Electronic Corp., Albion St., Wakefield,
 Mass.
 WILLIS, F. HOKE (A'26-VA'39-M'55), Mem. Tech.
 Staff, Bell Tel Labs., Murray Hill, N.J.
 WILLIS, FLOYD, JR. (SM'56), Program Engr., (Staff),
 Naval Ordnance Lab, Silver Spring, Md.
 WILLIS, GERALO O. (S'56-M'58), Asst. Engr., Texas
 Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
 WILLIS, HAROLD W. (M'47-SM'53), Consultant, Physical Research, U.S. Govt., Washington, O.C. Home:
 109 Pine Dr., Annandale, Va.
 WILLIS, HOWARD W. (M'47-SM'53), Mem. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 WILLIS, JACK (A'58), Lecturer, College of Sclence
 & Technology, Univ. of Manchester, Manchester, England.
 WILLIS, JAMES S. (A'55-SM'58), Asst. Oewline Project
 Mgr., Fedoral Electric Corp., Paramus, N.J.
 WILLIS, JAMES W. (M'59), Govt. Rep., Raytheon Mfg. Co.,
 Needham Heights, Mass.
 WILLIS, JOHN T. (S'57-M'58), Capt., USAF, Air Force
 Cambridge Research Center, Hanscom Field, Mass.
 WILLIS, MACK R. (S'47-A'50-M'58), Mass. Tech. Staff,
 Control Systems Div., Ramo-Wooldridge Corp., Box 45534,
 Airport Sta., Los Angeles 45, Calif.
 WILLIS, PAUL A. (M'55), Consultant, Steephill Rd.,
 Weston, Conn.

- AITDORT Std., LOS ANGGERS 40, CAITT.
 WILLIS, PAUL A. (M'55), Consultant, Steephill Rd.,
 Weston, Conn.
 WILLISTON, ROBERT L. (M'58), Sr. Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

- WILLISTON, SIONEY S. (A'50-M'55), 1138 Connecticut Ave., N.W., Washington 6, O.C. WILLITS, G. NEIL (A'51), Transmitter Supvr., KOTV, Inc., 302 S. Frankfort, Tulsa, Okla. WILLMAN, ELMER S. (A'59), Maint. Electrician, Internatl. Paper Co., Corinth, N.Y. WILLMAN, JOSEPH F. (S'57-M'58), 6128 Malvey, Ft. Worth 16, Tex.

- WILLMAN, RICHARD C. (SM'50), Mgr., Administration & Planning, Missile & Surface Radar Oept., RCA, Moorestown,
- WILLMOTT, RICHARO C. (M'59), Design Engr., Internatl. Systcoms, Ltd., 8235 Mountain Sights, Montreal, P.Q., Canada,

- Canada.
 WILLNER, PAUL (S'48-A'51-M'55), Electronics Scientist,
 Picatinny Arsenal, Oover, N.J.
 WILLNER, WARREN H. (A'55), Examiner of Interference,
 U.S. Patent Office, Washington 25, O.C.
 WILLONER, GIDEON (SM'58), Dev. Engr., Lenkurt Electric
 Co. of Canada, Ltd., 7018 Lougheed Hwy., Burnaby,
 B.C., Canada.
- B.C., Canada, Ch.J., Politic Edulined Hwy., Burnady, B.C., Canada, WILLOUGHBY, DONALO E. (S'51-A'53), Project Engr., Philoc Coro., 3875 Fabian Way, Palo Alto, Calif.
 WILLOUGHBY, ERIC O. (A'36-M'55), Prof., Elec. Engrg., Univ. of Adelaide, North Ter., Adelaide, South Australia.
 WILLOUGHBY, JOHN A. (SM'49), Retired, 2272 Cathedral Ave., N.W., Washington 8, O.C.
 WILLOWS, DAVIO J. (M'57), Mem. Scientific Staff, Transmission Planning, Northern Electric Co., Ltd., Guy St., Montreal, P. O., Canada.
 WILLOWS, JAMES L. (M'58), Electronics Engr., Univ. of California Lawrence Radiation Lab., Box 808, Livermore, California Lawrence Radiation Lab., Box 808, Livermore,

- Calif.

 WILLCOT, MARVIN J. (S'49-A'51-M'56), Dev. Engr.,
 Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

 WILLS, ANDREW, JR. (A'56), Prod. Engr., Sperry Gyroscope
 Co., Great Neck, L.I. N.Y.

 WILLS, CONNABLE F. (S'54-M'56), Engr., System Development Corp., 2500 Colorado, Santa Monica. Calif.

 WILLS, JACK D. (M'56), Project Engr., Rantec Corp.,
 Calabasas, Calif.

 WILLS, JAMES R. (A'52-M'57), Asst. Prof., Electronics
 Engrg. Dept., California State Polytechnic College, San
 Luis Obispo, Calif.

 WILLS, LICHARD H. (S'50-A'53-M'58). Sr. Dev. Engr.

- WILLS, RICHARD H, (S'50-A'53-M'58), Sr. Dev. Engr., Goodyear Aircraft Corp., Akron 15, Ohlo. WILLS, RUSSELL V., JR. (S'56-M'57), Electronics Research Engr., Lockheed Aircraft Corp., Burbank, Calif.
- WILLS, Nockheed Aircraft Corp., Burbank, Calif.
 WILLS, THOMAS C. (S'54-A'56), Electronics Quality
 Engr., Crosley Div., Avco Mfg. Corp., Evendale, Ohio.
 WILLS, WALTER P. (SM'47), Dir., Research, Brown Instrument Div., Minneapolis-Honeywell Regulator Co., Wayne &
 Roberts Aves., Philadelphia 44, Pa.
 WILLS, WILLIAM L. (S'54-M'57), Lt., USAF, Home: Box
 265, Edwards, Calif.
 WILLICEY DOREPT H. (S'50-A'52-M'55). Sr. Engr., GE

- WILLS, WILLIAM L. (S'54-M'57), Lt., USAF, Home: Box 265, Edwards, Calif.

 WILLSEY, ROBERT H. (S'50-A'52-M'55), Sr. Engr., GE Co., Box 132, Evendale, Ohio.

 WILLSON, ABNER R. (A'22-SM'44), Vibration Lab. Supvr., Boeing Airplane Co., Box 3707, Seattle 24, Wash.

 WILLSON, FRANK E. (S'46-A'46-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 WILLSON, KENT R. (S'49-A'50-SM'55), Project Engr., Atomic Energy Div., Babcock & Wilcox, 1201 Kemper St., Lynchburg, Va.

- Lynchburg, Va.
 WILLY, J. ROBERT (M¹58), Research Administrator, RanOco
 Inc., 107 Salem St., Union Springs, N.Y.
 WILLYARO, CHRIES H. (A¹53), Electronics Engr., Motorola, Inc., 4501 W. Augusta, Chicago, III.
 WILMARTH, ROBERT W. (S¹47-A¹51-M¹52-SM¹58), Sr.
 Project Engr., ITT Labs., Nutley 10, N.J.
 WILMOT, RICHARO O. (S¹56-M¹57), 801 Levering, Los
 Angeles 24, Calif.
 WILMOT, ROBERT O. (S¹44-A¹48-M¹55), Oefence Research
 Scientific Officer, Defence Research Board, Oept. of Natl.
 Oefence, Ottawa, Ont., Canada.
 WILMOT, WALLACE R. (A¹51-M¹52), Engr. Instal.
- WILMOT, WALLACE R. (A'51-M'52), Engrg. Instr. & Asst. Educational Oir., Electronics institute, Inc., 21 Henry, Detroit, Mich.

- WILMOTTE, RAYMONO M. (M¹29-F¹38), Consulting Scientist, RCA, Princeton, N.J.
 WILMS, HUGO J., JR. (S¹52-A¹53-M¹58), Dev. Supvr., USN
 Underwater Sound Lab., Ft. Trumbull, New London, Conn.
 WILNER, GERALO (A¹56), Sr. Engr., ITT Labs., Nutley 10,
- WILNER, JOHN T. (A'37-M'46-SM'48), Dir., Engro WBAL-TV, WBAL, WISN, WISN-TV, Hearst Corp., 2610 N. Charles St., Baltimore 18, Md.
- N. Charles St., Baltimore 18, Mo.
 WILPON, SHELDON I. (S'53-A'54), Supvy. Electronic Scientist (Sound Recording & Reproduction), U.S. Naval Material
 Lab., New York Naval Shipyard, Brooklyn I, N.Y.
 WILSER, RAYMOND E. (M'58), Assoc. Engr., Research, IBM,
 Yorktown Heights, N.Y.
 WILSER, WILLIAM C. (S'57-M'59), 15 Memory Lane, Poughkanntia. N.Y.
- WILSHINSKY, IRVING (A'51-M'55), Project Engr., IBM, San Jose 14. Calif.
- WILSKER, OSCAR (A/51-M/56), Electronics Engrg. Leader, RCA, Moorestown, N.J.
- WILSON, ALAN E. (A'55), Buyer, Electronic Parts & Com-ponents, Hughes Aircraft Co., Airport Site, Los Angeles 45,
- WILSON, ALASTAIR G. (M'46), Equipment Engr., Mullard Equipment, Ltd., Brathway Rd., Wandsworth, London, S.W. 18, England.
- LB, England.

 WILSON, ALBERT E. (M'57), Reactor Instrumentation Engr.,
 Los Alamos Scientific Lab., Box 1663, Los Alamos, N.M.

 WILSON, ALBERT L. (A'50-M'51), Sect. Head, Quality Control
 Sylvania Elec. Prods., Inc., 500 Evelyn Ave., Mouritain

 View, Calif.
- Vlew, Callf.
 WILSON, ALLAN E. (A'58), Communication Systems Sales,
 Canadian Motorola Electronics, 105 Bartley Or., Toronto
 16, Ont., Canada

- 16, Ont., Canada.
 WILSON, ALVIN C. (M¹57), Electronics Engr., Natl. Bureau of Standards, Boulder, Colo.
 WILSON, BILLY F. (A¹53-M¹58), Engr., Well Surveys, Inc., Box 2656, Tulsa, Okla.
 WILSON, BILLY J. (S¹57-M¹58), Electronics Design Engr., Chrysler Corp., Redstone Arsenal, Ala.
 WILSON, CECIL L. (A¹57), Research Engr., Aeronautical Instrumentation, Ballistic Research Lab., Aberdeen Proving Ground, Md.

- WILSON, CHARLES A. (S'43-A'45-M'55), Project Mgr., Naval Ordnance Lab., Silver Spring, Md. WILSON, CHARLES B. (S'52-A'53-SM'56), Mem. Tech. Staff, Space Technology Labs., Box 4277, Patrick AF8, WILSON, CHAI Staff, Space Fla.
- WILSON, CHARLES C. (M'59), Supvy. Electronics Engr., Air Technical Intelligence Center, Wright-Patterson AFB,
- Ohio.
 WILSON, CHARLES R. (M'58), Physicist, United Gas
 Corp., Box 1407, Shreveport, La.
 WILSON, CLAYTON M. (A'50), Asst. to Regional Engr.,
 Canadian Broadcasting Corp., 701 Homby St., Vancouver,
 B.C., Canada.
- WILSON, CONWAY L. (M'57), Research & Oev. Staff Asst., Sandia Corp., Sandia Base, Albuquerque, N. N. WILSON, CORWIN T. (M'56), Oesign Engr., Convair, Ft. Worth, Tex.
- WILSON, OAVIO E. (S'54-M'56), Engr., Remington Rand Univac, 1902 W. Minnehaha Ave., St. Paul 4, Minn. WILSON, OAVIO E. (S'55-M'58), Elec. Engr., LMED, GE Co., Utica, N.Y. WILSON, OAVIO E. (S'56-M'58), Engr., Sperry Utah Engr9. Labs., 322 N. 21 St., W., Salt Lake City, Utah.
- Utail.
 WILSON, DAVID S. (A'59), Pres., Dayrand, Ltd.,
 4612 St. Catherine, W., Montreal 6, P.Q., Canada,
 WILSON, DONALO G. (S'38-A'40-M'48-SM'51), Genl. M
 Stromberg-Carlson Co., 1895 Hancock St., San Diego 12

- Calif.
 WILSON, OONALO J. (S'5B-A'58), TechRep., Field
 Engr., Philoc Corp., Philadelphia, Pa.
 WILSON, OONALO L. (S'55-M'56), Field Service Engr.,
 Remington Rand Univarc, St. Paul 16, MInn.
 WILSON, OONALO L. (A'55), Engr., Guided Missiles,
 Martin Co., Box 179, Oenver I, Colo.
 WILSON, OONALO R. (A'47), Salesman, Norman W.
 Kathrinus & Co., 4306 Cambridge, Kansas City 3,
 Kan.
- WILSON, OONALO R. (S'49-A'50-M'56), Electronics Research Engr., Lockheed Missile & Space Oiv., Santa Cruz, Calif.
- Santa Cruz, Caiir.

 WLSON, OUGLAS W. (M'46), Research Engr., Hughes
 Aircraft Co., Culver City, Calif.

 WLSON, E. S. (A'42-SM'46), Engr., IBM, Poughkeepsie,

- N.Y.

 WILSON, ERNEST F. (S'45-A'52-M'54), Electronics
 Engr., Edgerton, Germeshausen & Grier, Inc., 160
 Brookline Ave., Boston 15, Mass.

 WILSON, FLOYO J. (M'52), Chief Mech. Engr., A.R.&T. Electronics, Inc., 1101 McAlmont St., Little Rock, Ark.

 WILSON, FRANK B. (A'54), Engrg. & Technician Engrg.
 Service also Hydro-Static Pressure Testing, Control Instrument Co., Inc., 67 35 St., Brooklyn 20, N.Y.

 WILSON, FRANK C. (A'57), Communications Officer,
 U.S. Oept. of State, Amcongen OSRS, Navy 539,
 FPD, New York, N.Y.
- FPU, New York, N.Y.
 WILSON, FRANK H., III (S'55-M'58), Project Engr.,
 U.S. Army Electronic Proving Ground, Electronic Warfare Dept., Ft. Huachuca, Arlz.
 WILSON, FREO V. (A'54), Design Engr., RCA, 11819
 W. Olympic Blvd., Los Angeles 64, Calif.
 WILSON, GARONER P. (SM'52), Mgr., Large Systems
 Engr., Electrodata Oir., Burroughs Corn., 460 N.
 Sierra Madre Villa, Pasadena 15, Calif.

- Sterra Madre VIIIa, Pasadena 15, Calif.
 WILSON, GEOFFREY O. (M'56), Fleld Rep., Link Avlation, Inc., Binghamton, N.Y.
 WILSON, GEOFFREY L. (A'54-SM'54), Asst. Prof., Ordnance Research Lab., Pennsylvania State Univ., University Park, Pa.
- WILSON, GEORGE O. (A'59), Engr., Martin Co.,
- Orlando, Fla.
 WILSON, GEDRGE G. (\$'46-A'49-M'54), Electronics
 Oesign Engr., GE Co., Syracuse, N.Y.
 WILSON, GORDON F. (M'57), Maj., USAF, Chief, Communications Div., Oet. 1, 3rd Air Oiv., Washington 25, D.C.
 WILSON, GREGORY M. (A'58), Analyst, United Shoe Machinery Corp., 140 Federal St., Boston, Mass.
 WILSON, HADOON S. (A'55), Systems Communication
 Engr., RCA, Camden, N.J.
 WILSON, HAROLD D. (S'56-M'57), Maj., U.S. Army,
 Chief of Corporal Branch, Missile Guidance Div., Dept.
 of Observation, U.S. Army Artillery & Missile School,
 Ft. SIII, Okla
- Ft. SIII. Okla
- Ft. SIII, Okla.
 WILSON, HAROLD J. (A'55), Design Engr., Crosley Div.,
 Avco Mfg. Corp., 1329 Affington St., Cincinnati 25, Ohio.
 WILSON, HAROLO M. (SM'46), Mfg. Mgr., Genl. Radio
 Co., 22 Baker Ave., West Concord, Mass.
 WILSON, HARRY C. (M'57), System Communication Engr.,
 Central Illimois Public Service Co., Springfield, III.
 WILSON, HORACE C. (M'57), Radar Staff Project F
 Officer, AFMTC, USAF, Coccoa, Fia.
 WILSON, HORACE R. (S'43-A'45-M'55), Supt., Telephone Div., Philadelphia Electric Co., 1000 Chestnut
 St., Philadelphia 5, Pa.
 WILSON, HOWARD G. (S'49-A'49-M'55-SM'59), Act.

- St., Philadelphia 5, Pa.
 WILSON, HOWARD G. (S'49-A'49-M'55-SM'59), Asst.
 Oept. Mgr., Radar, Airborne Systems Lab., Hughes Aircraft Co., Culver City, Callf.
 WILSON, HOWARD R. (M'58), Assoc. Engr., IBM,
 Endicott, N.Y.
 WILSON, IRA G. (M'41-SM'43), Mem. Tech. Staff,
 Bell Tel., Labs., 463 West St., New York 14, N.Y.
 WILSON, JACK A. (M'58), Electronics Design Engr.,
 Minneapolis-Honeywell Regulator Co., 1915 Armacost
 Ave., Los Angeles 25, Callf.
 WILSON, JACK C. (S'53-M'57), Asst. Prof., Elec.
 Engra, Georgia Institute of Technology, Atlanta, Ga.
 WILSON, JAMES B. (S'56-A'59), 100 N. Erving St.
- WILSON , JAMES B. (\$'56-A'58), 100 N. Irving St., Arlington 1, Va
- WILSON, JAMES E. (M'55), Chief Metallurgist, Brace-Mueller-Huntley, Inc., 1807 Elmwood Ave., Buffalo 7, N.Y.
- VILSON, JAMES R. (M'31-SM'43-F'54), Asst. V.P., Bell Tel. Labs., Murray Hill, N.J.
 WILSON, JAMES W. (M'56), Electronics Systems Engr., USAF, Hors. ARDC Oet. #1-ROZSEY, Wright-Patterson AFB, Ohio.
- Patterson AFB, Ohlo.
 WILSON, JOHN A. (S'56-M'58), Elec. Engr., Collins
 Radio Co., Cedar Rapids, Iowa.
 WILSON, JOHN E. (A'54), Project Engr., Electronic
 Engrg. Oept., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

WIL-WIN - 437 -

- WILSON, JOHN L., JR. (SM'59), Asst. Dir., Surveillance Dept., U.S. Army Research & Development Lab., Ft. Monmouth, N.J.
- MORMOUTH, N. WILSON, JOHN T. R. (M'56), Design Engr., Aerojet Genl. Corp., Box 1947, Sacramento, Calif. WILSON, JOHN W. (S'50-A'53-M'56), Project Engr., The Cincinnati Milling Machinery Co., Marburg Ave., Cincinnati 9, Ohio.

- The Cincinnati Milling Machinery Co., Marburg Ave.,
 Cincinnati 9, Ohio.
 WILSON, KENNETH M. (S'51-A'53-M'5B), Elec. Engr.,
 RCA, 11B19 W. Olympic Blvd., Los Angeles 64, Calif.
 WILSON, LARRY K. (M'59), Engr., Sperry Microwave
 Electronics Co., Clearwater, Fla.
 WILSON, LAWRENCE H. (S'54-A'55), Elec. Engr.,
 Milltary Engrg. Debt., Lenkurt Electric Co., 1105
 County Rd., San Carlos, Calif.
 WILSON, LAWRENCE I. (A'57), Owner, Wilson's TV,
 2434 Maryal Dr., Sacramento, Calif.
 WILSON, LEO W. (A'34-M'49-SM'55), Mem. Tech. Staff,
 Hughes Aircraft Co., Culver City, Calif.
 WILSON, LEO W. (M'57), Instrumentation Engr., Vitro
 Corp. of America, Egiin AFB, Fla.
 WILSON, LESLIE S. (M'5B), Fleid Engr., TechRep. Div.,
 Philoc Corp., 22 & Lehigh, Philadelphia 32, Pa.
 WILSON, LLOYD B. (S'40-A'43-M'45), Engrg. Sect. Head,
 Primary Standards & Measurements, Sperry Gyroscope Co.,
 Great Neck, L. 1. N. V.
 WILSON, LLOYD V. (M'57), Supvr., Instruction, Electronics
 Div., Bailey Technical Schools, 1626 S. Grand Ave., St.
 Louis 4, Mo.
 WILSON, LOUIS A, JR. (M'55), V. P., Tucson Instru-
- WILSON, LOUIS A, JR. (M'55), V. P., Tucson Instru-ment Corp., 1050 E, Valencia Rd., Tucson, Ariz. WILSON, LOUIS D. (M'46-SM'55), Mgr., Univac Scientific Sales, Remington Rand Univac, 315 4 Ave., New York 10,
- WILSON, LOUIS H. (M'57), Mktg. Mgr., Colorado Springs Office, RCA, Defense Electronics Prods., 512 S. Tejon St., Colorado Springs, Colo.
- St., Colorado Springs, Colo.
 WILSON, LYMAN F. (A'47-M'55), Dev. Engr., ITT Labs.,
 Nutley 10, N. J.
 WILSON, LYNN M. (A'57), Consulting Engr., 3170 N,
 Pollard St., Arlington 7, Va.

- Pollard St., Arlington 7, Va.

 WILSON, M., CARR. (A'46-SM'55), Sr., Dev., Engr., Datex
 Corp., 1307 S., Myrle, Monrovla, Callf.

 WILSON, MELVIN S. (A'41-M'55), Mgr., Sonar Dept.,
 Raytheon Mfg., Co., Wayland, Mass.
 WILSON, MEREDITH W. (M'5B), Supvy. Elec., Engr.,
 Oavid Taylor Model Basin, Washington, 7. D. C.
 WILSON, MILTON J. (M'57), Instr., De Vry Tech., Instrtute, 4141 W., Belmont, Chicago, Ill.
 WILSON, MOSES L. (M'5B), Research Engr., U.S., Army
 Ordnance Corps, Redstone Arsenal, Ala.
 WILSON, MYRON F. (A'52-M'57), Mgr., Final Test Dept.,
 Collins Radio Co., Cedar Rapids, Iowa.
 WILSON, OSCAR B., JR., (S'45-A'52-M'56), Assoc.
 Prof., Physics, U.S., Naval Postgraduate School, Monterey,
 Calif.
 WILSON, PATRICK F. (A'57), Electronics Engr., Boeing
- Calif, WILSON, PATRICK F. (A'57), Electronics Engr., Boeing Airplaine Co., Seattle, Wash. WILSON, PAUL B., JR. (A'54), V.P., Chief Engr., Interference Testing & Research Lab., 150 Causeway St., Boston 14, Mass.
- WILSON, PERRY B. (M'5B), Research Assoc., Hansen Labs., Stanford, Calif.
- WILSON, PERRY J. (M'57), Putt Corners Rd., Box 302, New Paltz, N.Y.
- NEW FALL, N., JR. (S'55-M'57), Lt. Cmdr., USN, Exec. Officer, USS Benham (DD796), PO, New York, N.Y. WILSON, RAYMOND E. (S'54-M'5B), Electronics Engr., Convair-Astronautics, San Diego, Calif.
- CONVAIR-ASTONAULUS, SAN DIEGO, CATIT.
 WILSON, RAYMOND G. (A'57), Mfg. Engr., Electronic
 Communications, Inc., St., Petersburg, Fla.
 WILSON, RAYMOND W. (M'55), Supvg. Engr., Radio Systems, Marxitime Telegraph & Telephone Co., Ltd., BB Hollis
 St., Halifax, N. S., Canada.
- WILSON, RICHARD (A'46), 337 Walsgrave Rd., Coventry, Warwick, England.

- Warwick, England,
 WILSON, RICHARD A. (S'47-A'50-M'55), Pres., Redcor
 Development Corp., Box 481, Van Nuys, Calif.
 WILSON, RICHARD B. (M'57), Project Engr., Western
 Electric Co., Winston-Salem, N. C.
 WILSON, RICHARD F. (S'55-M'57), Elec. Engr., IBM,
 Poughkeepsie, N. Y.
- WILSON, RICHARD P. (A'5B), Supvr., MOADS, IBM, Kingston, N.Y.
- Kingston, N. Y.
 WILSON, RICHARD S. (S'50-A'53-M'57), Prod. Engr.,
 WILSON, RICHARD S. (S'50-A'53-M'57), Prod. Engr.,
 WILSON, RICHARD V., JR. (A'55-M'59), Lt., Naval Officer, USN, U. S. Naval Postgraduate School, Monterey,
 Calif.
- WILSON, ROBERT B. (M'5B), Group Engr., Texas Instru-ments, Inc., 6000 Lemmon Ave., Dallas 9, Tex. WILSON, ROBERT B. (A'5B-M'59), Assoc. Engr., Martin Co., Orlando, Fla.
- Co., Orlando, Fla.

 WILSON, ROBERT C., JR. (M'54), Plant Extensions Engr., The Chespeake & Potomac Telephone Co. of Virginia, 703 E. Grace St., Richmond 19, Va.

 WILSON, ROBERT D. (S'41-A'45-SM'55), Head, Oev. Engrg. Oept., Raytheon Mfg. Co., Newton 58, Mass.

 WILSON, ROBERT O. (S'57-A'59), Test Man, GE Co., Syracuse, N. Y.

 WILSON, ROBERT E. (S'47-A'40-M'55), Mgr., Oigital Oesign & Dev., RCA, Van Nuys, Calif.

 WILSON, ROBERT E. (S'55-M'59), Jr. Engr., Philoc Corp., Palo Alto, Calif.

 WILSON, ROBERT P. (A'57), Pres., Natl. Youth Foundation.

- Palo Alto, Calif.
 WLSON, ROBERT P. (A'57), Pres., Natl., Youth Foundation,
 Taylorsville, Calif.
 WLSON, ROBERT R. (S'48-A'50), Elec. Engr., Naval
 Ordnance Lab., Silver Spring, Md.
 WLSON, ROBERT W. (A'51-M'53), Electronics Teacher,
 Danforth Technical School, 840 Greenwood Ave., Toronto,
 Ont., Canada.
- UTI., CANAGOS.
 WILSON, ROBIE T. (S'52-A'53-M'57), Electronics Engr., RCA, Burlington, Mass.
 WILSON, ROCER T. (A'42-SM'53), Head, Components Sect., Elec Branch, Electronics Test Oiv., Naval Air Test Center, Patuxent River, Md.

- WILSON, ROY G. (A'47), Electronics Technician, Bendix Aviation Corp., 95 & Troost Sts., Kansas City, Mo. WILSON, RUSSELL L. (S'57-M'59), Assoc. Engr., Boeing Airplane Co., Seattle, Wash. WILSON, STANLEY L., JR. (M'56), Mgr., Telephone Equipment Sales, Hallamore Electronics Co., B352 Brookhurst St., Anaheim, Calif. WILSON, STANLEY S. (A'52-M'57), Tech. Liaison Officer, Canadian Broadcasting Corp., 5253 Decarie Blvd., Montreal, P. Q., Canada. WILSON, STEPHEN J. (A'57). Sr. Engr., Martin Co., Or-

- WILSON, STEPHEN J. (A'57), Sr. Engr., Martin Co., Orlando, Fla.
 WILSON, TECK A. (A'50-M'52-SM'56), Dept. Mgr.,
 Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.
 WILSON, THOMAS M. (A'55-M'55), Prod. Engr., GE Co.,
 Waynesboro, Va.

- Waynesboro, Va.
 WILSON, WAYNE F. (M¹56), Engr., Western Electric Co.,
 Winston-Salem, N.C.
 WILSON, WEBSTER H. (M¹47), Exec, V.P., Hazeltine
 Electronics Div., Little Neck 62, L.I., N.Y
 WILSON, WENDELL D. (M¹5B), Mgr., Service Dept., Collins
 Radio Co., Cedar Rapids, Iowa.
- Radio Co., Cedar Rapids, lowa.
 WILSON, WILLIAM (478), Chief, Communications Systems
 Branch, Hors., OKCYGEEIA, Tinker AFB, Okla.
 WILSON, WILLIAM D. (4'49-M'55), Electronics Engr., USN
 Electronics Lab., San Dieoo 52. Calif.
 WILSON, WILLIAM E. (4'57), Dir., Advertising & Public
 Relations, Internatl. Rectifier Corp., 233 Kansas St., El
 Segundo, Calif.
- WILSON, WILLIAM F. (S'56-M'59), Electronics Engr., Bureau of Ships, Main Navy, Washinaton 25, D.C. WILSON, WILLIAM J. (M'58), MIcrowave Engr., Sanders Associates, Inc., 95 Canal St., Nashua I. N.H.
- Associates, Inc., 95 Canal St., Nashida Y. N. IN.
 WILSON, WILLIAM P. (5'57-M'59), Engr., GE Co., LMED,
 Ulica, N.Y.
 WILSON, WILLIAM R. (A'3B-VA'39-SM'51), Prod. Officer
 (Electronics), Dept. Defence Prods., Ottawa, Ont., Canada.
 WILSON, WILLIAM R. (S'41-A'42-M'45), Project Engr.,
 Minneapolis 13, Minn.
 Wilson, Company (St. Mer.), William Rev. (S'41-A'42-M'45), Project Engr.,
 Minneapolis 13, Minn.
- Minneapolis 13, Minn.

 WILSON, WILLIAM R., JR. (S'55-M'5B), Lt., USNR, Asst. Electronics Countermeasures Officer, VAW-11, NAS North Island, San Diego 35, Calif.

 WILT, ROBERT E. (S'55-M'57), Sr. Engr., Sperry Microwave Electronics Co., Box 182B, Clearwater, Fla.

 WILTON, ROBERT (A'44-M'45-SM'49), V.P., Engrg., Bach-SImpson, Ltd., 1255 Brydges St., London, Ont., Canada.

- WILTON, VIRGIL A. (A'41-M'50), Purch. Agent, Radio Electronic Supply Co., 14405 Wyoming Ave., Detroit 3B, Mich.
- WILTS, CHARLES H. (M¹59), Prof., Elec. Engrg., Cali-fornia Institute of Technology, 1201 E. California St., Pasadena, Calif.
- Pasadena, Calif.
 WILTS, JAMES R. (A'46-M'55), Assoc. Mathematician,
 IBM. Endicott. N.Y.
 WILTSE, JAMES C., JR. (S'48-A'53), Research Scientist,
 Electronic Communications, Inc., 1B30 York Rd., Tim-
- onlum, Mo.
 WILTSEY, GEORGE C. (S'56-M'5B), Electronics Systems
 Engr., Lockheed Aircraft Corp., Burbank, Calif,
 WILZ, JOHN P. (A'57), Base Communications Officer, USAF,
 Duluth Municipal Airport, Minn.
- Duluth Municipal Airport, Minn.
 WIMAN, LEO (M'57), Systems Engr., Communications Engrg.
 Co., 900 Dragon St., Dallas, Tex.
 WIMBERLY, W. BEN (M'5B), Pres., W. Ben Wimberly
 Co., 532 S. Ft. Harrison Ave.. Clearwater. Fla.
 WIMER, ARTHUR G., JR. (M'50-SM'57), Tech. Dir.,
 Coputy Cordr., Weapon Systems, Hors., Air Research & Dev.
 Command, Andrews AFB, Md.
 WIMMER, PAUII d. (\$\frac{1}{2}\) (\$\frac{1}{2}\)
- Command, Andrews AFB, Md.

 WIMMER, PAUL-1. (\$'49-A'50-M'55), Sr. Engr., Vandivere & Cohen., 1426 G. St., Washington 5, D.C.

 WIMPY, EDGAR K. (A'41-SM'54), Mgr., Mktg. Research, CBS Hytron, 100 Endicott St., Danvers, Mass.

 WIN, U. SDE (A'56), Asst. Engr.-In-Chg., Broadcast Transmitting St., Burma Broadcasting Service, Govt. of the Union of Burma, 194 Thompson St., Rangoon, Burma.
- WINANS, GEORGE L. (A'52), Transformer Engr., Kintel Div., Cohu Electronics, 5725 Keamy Villa Rd., San Diego 12, Calif.
- WINANS, ROBERT C. (A'4B-M'55), Mem. Tech. Staff, Bell Tel. Labs., Whitpany, N.J. WINANT, AUSTIN T. (S'57-M'59), 1413 Montana St., El Paso, Tex.
- Paso, Tex.
 WINBIGLER, WILSON K. (A'52-M'57), Maj., USAF, Asst.
 Chief, Control Lab., Directorate of Control & Guldance,
 Rome Air Development Center, Criffiss AFB, N. Y.
 WINCHELL, ALFRED M. L'125-A'27-VA'39-M'54-SM'58),
 V.P., Waterbury Pressed Metal Co., 300 Chase Ave.,
 Waterbury 14, Conn.
- WINCHELL, JOHN A. (S'56-M'58), Instrumentation Engr., Standards Lab., Lockheed Missile & Space Div., Sunnyvale, Calif.
- Januarus LaD., LUCKIRED MISSITE & SDAGE DIV., SURNIVAIR, Calif.

 WINCHELL, ROBERT W. (A'51-M'55), Asst. Prof., Elec. Engrg., Univ. of Southern California, University Park, Los Angeles 7, Calif.

 WINCHELL, WALTER H. (A'35-VA'39), Dir., Engrg., Special Design Prods. Corp., 95 Whiting St., Plainville, Conn.

 WINCHELL, WILLIAM L. (S'58-M'59), Assoc. Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.

 WINCHESTER, DEAN S. (S'42-A'44-M'55), 7 Pine St., Baldwinsville. L.I. N. Y.

 WINCOVITCH, DANIEL (S'50-A'54), Advance Materials Engr., Micro Switch Div., Minneapolis-Honeywell Regulator Cor., Spring & Chicago Sts., Freeport, Ill.

 WINO, MOE (S'47-A'50-SM'52), Asst. Sales Mor., Polytechnic Research & Development Co., 202 Tillary St., Brooklyn 1, N.Y.

 WINDER, CLAYTON F. (A'53-M'56-SM'59), Project Engr.,

- WINDER, CLAYTON F. (A'53-M'56-SM'59), Project Engr., The Baldwin Plano Co., 1801 Gilbert Ave., Cincinnati 2, Ohio.
- Ohlo.
 WINDER, DANIEL E. (\$'49-A'52-M'57), Research Engr.,
 Boeing Airplane Co., E. Marqinal Way. Seattle 44, Wash.
 WINDES, FRANK V. (\$'51-A'55), Design Engr., IBM,
 Poughkeepsie, N.Y.
 WINDLEY, WILLIAM D. (\$'51-A'52-M'56), Project Engr.,
 Westinghouse Elec. Corp., Box 746, Baltimore 3, Md.
 WINDRICK, PETER F. (M'55), Communications Engr., Siemens
 Bros. (Canada), Ltd., 419 Notre Oame Ave., Winnipeg, Man.,
 Canada.
- WINDSOR, ALFRED A. (M'54), Electronics Engr., Univ. of California Lawrence Radiation Lab., Berkeley 4, Calif.

WINDSOR, RICHARD T. (A'54), Mgr., Research Lab., Hays Mfo. Co.. 12 & Liberty, Erie., Pa. WINDSOR, ROBERT 8. (M'46-SM'51), RCA, 225 Crescent, Waltham 54, Mass.

- Waltnam 34, Mass.
 WINDSOR, ROBERT N. (A'53), Field Engr., Remington Rand
 Univac, 1902 W. Minnehaha, St. Paul, Minn.
 WINDUS, WILLIAM A. (S'4B-A'50-M'55), Design Engr.,
 Collins Radio Co.. Cedar Rapids. lowa.
- Collins Radio Co., Cedar Rajnds, Inwa.
 WINE, AUGUST J., SR. (4/55), 667 S. 7 Ave., Mount
 Vernon, N.Y.
 WINE, JOHN R. (M'56), Electronics Engr., 74 Schome,
 Nishikicho, Tachikawa, Tokyo, Japan.
 WINEGARD, JDHN R. (M'58), 3000 Scotten Blvd.,
 Burlington, Iowa.
- WINEMILLER, HARDLD R. (M'45), Electronics Lab. Engr., Commonwealth Edison Co., 1319 \$. 1st Ave., Maywood, III.

- WINENOW, RUSSELL E. (A'49-M'57), Engr., Lenkurt Electric Co., San Carlos, Calif.
 WINER, JULIUS D. (M'49), V.P., Genl. Mgr., Govt. & Ind. Div., Dynamic Electronics-New York, Inc., B7-46
 123 St., Richmond Hill 1B, L.I., N.Y.
 WINES, WARREN R. (S'50-A'53-M'58), Engr., Remington Rand, Inc., Wilson Ave., South Norwalk, Conn.
 WINFIELD, KENNETH C. (S'53-A'55), Prod. Design Engr., GE Co., Syracuse, N.Y.
 WINFIELD, OTTIS M., JR. (S'56-M'59), Test Planning Engr., Western Electric Co., Burlington, N.C.
 WINFIELD, WILLIAM S. (M'51), Suppy., TV Tuner Engra

- Engr., Wastern Electric Co., Burlington, N.C.
 WINFIELD, WILLIAM S. (M'51), Supvr., TV Tuner Engrg.,
 GE Co., Syracuse, N.Y.
 WINFREE, WODDSON C., JR. (A'57), Graybar Electric Co.,
 BO1 N. Rome Ave., Tampa 6, Fla.
 WING, ALEXANDER H. (A'39-SM'54), Prof., Elec. Engrg.,
 Univ. of Florida, Galnesville, Fla.
 WING, ARTHUR K., JR. (J'28-A'30-M'40-SM'43-F'57),
 Dir., Electron Tube Lab., JTT Labs., Nutley 10,
 N.J.
- WING, CHARLES (S'51-A'53-M'57), Project Engr., Remier Co., 2101 Bryant St., San Francisco 10,

- Calif.
 WING, DAVID H. (S'57-M'58), Elec. Engr., RCA, Moorestown, N.J.
 WING, GLENN J. (M'56), District Mgr., GE Co., 200
 S. Main St., Salt Lake City, Utah.
 WING, JACK (S'51-A'52-M'57), 4611 Hillview Way,
 Sacramento 22, Calif.
 WING, JAMES M. (S'57-M'58), Engr., Western Electric
 Co., Wilippany, N.J.
 WING, OMAR (S'50-A'53-M'58), Instr., Elec. Engrg. Dept.,
 Columbia Univ., New York 27, N.Y.
 WING, ROBERT Y. (M'56), Sr. Exec. Engr., Engrg.
 Research Div., Stamford Research Institute, Menlo
 Park, Calif.
 WING, ROLAND (A'58), I Ibrarian, Ealechild Company
 WING, ROLAND (A'58), I Ibrarian, Ealechild Company
 WING, ROLAND (A'58), I Ibrarian, Ealechild Company
 WING, ROLAND (A'58), I Ibrarian, Ealechild Company
- Park, Calif.

 WING, ROLAND (A'5B), Librarian, Fairchild Camera & Instrument Corp., 5 Aerial Way, Syosset, L.I., N.Y.

 WINGARD, CLAYTON G. (A'53-M'5B), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 WINGATE, SIDNEY A. (S'42-A'45-M'55), Dir., Research, GPS Instrument Co., 1BO Needham St., Newton. Mass. search, or ton, Mass
- ton, Mass.
 WINGEN, JOHN H. (S'55-A'55), Customer Engr., IBM, 500 Franklin Ave., Garden City, L.I., N.Y.
 WINGER, WAYNE D. (A'52-M'5B), Sr. Engr., IBM, Poughkeepsie, N.Y.
- WINGET, WILLIAM F. (A'44-M'55), Dir., Research & Dev. Sales & Contracts, Remington Rand Univac, St. Paul 16, Minn.
- WINGFIELD, JOHN D. (S'56-M'58), Box 576, Umatilla,
- WINGROVE, EARL R., JR. (S'51-M'56), Engr., GE Co., Syracuse, N.Y.
- Syracuse, N.Y.

 WINICK, ALEXANDER B. (A'46-M'54), Chief, Navigation Div., Research & Dev., FAA, Washington 25, D. C.

 WINIFELD, ROBERT J. (M'5B), Research Analyst, Natl. Cash Register Co., 1401 E. El Segundo Bivd., Hawthome, Calif.

- Natl. Cash Register Co., 1401 E. El Segundo Bivd., Hawthorne, Calif.
 WINITZER, ALBERT J. (A'57-M'5B), Sr. Circuit Design Engr., American Standard, Military Prods. Div., 560 Providence Hwy., Norwood, Mass.
 WINNKELJOHANN, ALBERT A. (S'49-A'51-M'56), Tech. Engr., GE Co., Evendale, Ohlo.
 WINKELMAN, RICHARD E. (M'58), Research Engr., Stamford Research Institute, Menlo Park, Calif.
 WINKELSTEIN, ROBIN A. (S'48-A'99-M'55), Sr. Staff Mem., Genl. Precision Lab., Inc., Pleasantville, N.Y.
 WINKIE, SAYRE E. (A'56), Research & Dev. Planning Asst., Collins Radio Co., Cedar Rapids, Iowa.
 WINKLER, RATHUR (A'52-M'56), Sr. Engr., W.L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.
 WINKLER, CHARLES W. (A'32-VA39), Pres., Artron, Inc., 3611 JSt., Lincoln, Neb.
 WINKLER, ERICH. (A'45-M'49-SM'55), Supvr., Electronics Engr., Instrumentation, Rome Air Development Center, Griffiss AFB, N.Y.
 WINKLER, GEORGE E. (M'57), Dir., Communications, City of Omaha, Police Hgrs., 105 S. 11, Omaha 2, Neb.
 WINKLER, J. LEWIS (A'44), Maint. Engr., NBC, 3000

- Neb.
 WINKLER, J. LEWIS (A'44), Maint. Engr., NBC, 3000
 W. Alameda, Burbank, Calif.
 WINKLER, LEONARD R. (A'38-VA'39), Purch. Agent,
 Central Distributors, 1331 N.W. Couch St., Portland
 9, Ore.
- 9, 0re.
 WINKLER, MARION R. (A'36-VA'39-M'55-SM'58), 5225
 N. 20 St., Phoenix, Ariz.
 WINKLER, MELVIN A. (A'52-M'57-SM'59), Dev. Engr.,
 Goodyear Aircraft Corp., 1210 Massillon Rd., Akron 15,
 Ohio.

- Ohlo.

 WINKLER, RICHARD H. (S'50-A'51-M'56), Engr., GE Co., 610 California Ave., Palo Alto, Calif.

 WINKLER, STANLEY (A'55-SM'56), Mathematician, IBM, Owego, N.Y.

 WINKLER, TED (M'58), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.

 WINKLER, VAUGHN D. (A'53-M'58), Staff Engr., IBM, Poughkeepsie, N.Y.

 WINKOWSKI, RICHARD (S'58-M'59), Jr. Engr., RCA, Harrison, N.J.

 WINLUNO, EOMOND S. (M'48), Mgr., Engrg., Standards & Quality, Computer Dept., GE Co., 13430 Black Canyon Hwy., Phoenix, Ariz.

- WINN, ALDEN L. (M'47), Prof. & Chmn., Elec. Engrg., Univ. of New Hampshire. Durham. N.H. WINN, CURTIS B. (A'54-M'58), Sr. Engr., Sylvania Electronics Defense Lab., Box 205, Mountain View,
- WINN, DAN L. (M'53-SM'53), Tech. Supvr., Arkansas Radio & Equipment Co., (KARK), 1001 Springs St., Little Rock, Ark. WINN, HERBERT L. (M'57), Assoc. Engr., Research & Advanced Dev. Div., Avco Mfg. Corp., 750 Commonwealth Ave., Boston, Mass.
- WINN, OLIVER H. (SM'55), Mgr., Engrg., LMED, GE
- Winn, OLIVER, H. (SM'55), Mgr., Engra., LMED, GE Co., Ultoa, N.Y. WINN, ORIN D. (S'56-M'58), Jr. Engr., Bendix Radio Div., Towson, Md. WINNER, BRUCE A. (M'56), Advertising Sales Mgr., Electronics, McGraw-Hill Publishing Co., 330 W. 42 St., New York 36, N. Y.

- St., New York 36, N.Y.
 WINNER, DON R. (S'57-M'58), Lt. Jg., USN, USS
 Eaton (D0E-510), FPO, New York, N.Y.
 WINNER, LEWIS (M'47), Editor, TV Engr., 52 Vanderbilt
 Ave., New York 17, N.Y.
 WINNER, RICHARD J. (M'56), Electronics Design Engr.,
 Radlabhone Co., Inc., 600 E. Evergreen, Monrovia, Calif.
 WINNER, RICHARD N. (S'56-M'59), Engr., Research,
 No. Amer. Aviation, Internati. Airport, Los Angeles 45,
 Calif.

- Calif.
 WINNICKY, ADOLPH P. (SM'58), Sr. Tech. Alde, Bell
 Tel. Labs., Murray Hill, N.J.
 WINNINGSTAD, C. NORMAN (S'47-A'49-M'55), Project
 Engr., Tektronix, Inc., Box 831, Portland, Ore.
 WINQUIST, RALPH T. (M'54), Consulting Engr., 234 West
 Ave., Bridgeport 4, Conn.
 WINSHIP, LEONARD T. (A'54), Staff Mem., Genl. Precision Lab., Pleasantville, N.Y.
 WINSHIP, THOMAS., JR. (S'49-A'50-M'56), Project
 Engr., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.
 WINSLOW, DONALD K. (SM'57), Recent Ave., Carl-
- stant, N.J.
 WINSLOW, DONALD K. (SM'57), Research Assoc., W. W.
 Hansen Labs. of Physics, Stanford Univ., Stanford, Calif.
 WINSLOW, REGIS B. (A'53), Prof., Wheeling College,
 Wheeling, W. Va.
 WINSLOW, ROGER G. (S'50-A'51-M'56), Sr. Engr.,
 Sperry Gyroscope Co., Creat Neck, L.I., N.Y.,
 WINSLOW, WALTER R. (S'50-A'51-M'56), Engr., GE
 Co., Syrause, N. V.

- WINSLOW, WALTER R. (S'50-A'51-M'56), Engr., GE
 Co., Syracuse, N.Y.
 WINSON, PHILIP (A'54), Sr. Engr., American Bosch Arma
 Corp., Garden City, L.I., N.Y.
 WINSOR, DAVID M. (S'57-A'58), Electronics Technician,
 Chromatography Dev., Foxboro Co., Foxboro, Mass.
 WINSOR, DONALD L. (S'48-A'49-M'55), Engr., Raytheon
 Mfg. Co., Waitham 54, Mass.
 WINSOR, KEITH L. (M'58), Project Chief, Wlancko Engrg.
 Co., 255 N. Halstead, Pasadena, Caiif.
 WINSOR, PAUL, III (SM'59), Assoc. DIr., Engrg., Auerbach Electronics Corp., 109 N. Essex Ave., Narberth, Pa.
 WINSTEAD, DONALD D. (S'58-M'59), Electronics Engr.,
 Wright Ali Development Center, Wright-Patterson AFB,
 Ohio.

- Winter Air Development Center, Wright-Patterson AFB, Ohio.

 WINSTON, ARTHUR W. (M'55), Sr. Physicist, Natl. Research Corp., 70 Memorial Dr., Cambridge 42, Mass.
 WINSTON, GEORGE C. (S'47-A'50-M'54), Electronic Sclentist, Naval Research Lab., Washington 25, D.C.
 WINSTON, HARVEY V. (M'55-SM'57), Mgr., Materials Research Lab., Semi-Conductor Div., Hughes Prods., Box 278, Newport Beach, Calif.
 WINSTON, JOHN G. (A'51-M'57), Elec. Engr., Los Alamos Scientific Lab., Los Alamos, N.M.
 WINSTON, JOHN G. (A'51-M'57), Elec. Engr., Los Alamos Scientific Lab., Los Alamos N.M.
 WINSTON, ROBERT H. (A'44-SM'52), Contract Engrg. Div., Dukane Corp., 11 Cedar Ave., St. Charles, III.
 WINTER, CHARLES W., JR. (A'49-M'55), Dir., Engrg. & Production, James S. Spivey, Inc., 4908 Hampden Lane, Bethesda 14, Md.
 WINTER, DAVID W. (A'39), Transmitter Suovr., WEVD.

- WINTER, DAVID W. (A'39), Transmitter Supvr., WEVD, 117 W. 46 St., New York 36, N.Y.
 WINTER, FERDINAND J., JR. (A 57), Sales Coordinator, Relay Div., Leach Corp., 5915 Avalon Blvd., Los Angeles 3, Calif.
- WINTER, GEORGE L. (S'56-M'58), Elec. Engr., Corps of Engineers, U. S. Army, 475 Merchandise Mart Plaza, Chicago, III.
- WINTER, GEORGE W. (M'52), Supvry. Engr., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore 27,

- WINTER, HAROLD F. (A'52-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 WINTER, HUGH (A'37-M'46-5M'49), Lt. Col., USAF, Wight-Patterson AFB, Ohio.
 WINTER, JAMES A. (S'53-A'54), Engr., No. Amer. Aviation, Internati. Airport, Los Angeles 45, Calif.
 WINTER, LLOYD E. (A'51-M'58), Group Head, Collins Radio Co., Cedar Rapids, Iowa.
 WINTER, NORMAN L. (M'47), Mgr., Counter-measures DIV., Sperry Gyroscope Co., Great Neck, L.I. N.Y.
 WINTER, ROBERT E. (S'49-A'51-M'57), Sr. Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
 WINTER, ROBERT E. (S'49-A'51-M'57), Sr. Mem. Tech. Staff, Melpar, Inc., 3000 Arlington 8Ivd., Falls Church, Va.

- Church, Va.

 WINTER, WILLIAM T. (S'56-M'57), Capt., USAF, Communications Officer, 2877th GEEIA Sodn., (1 & EY(AMC), Norton AFE, San Bernadino, Callf.

 WINTER, ZVI (A'57), Research Engr., Ministry of Defence, Scientific Dept., Box 7063, Hakirya, Tel Avlv, Israel, WINTERSERGER, HARLAN P. (A'52), Field Engr., Philico Corn., 22 St. & Lehigh Ave., Philadelphia, Pa.

 WINTERNHEIMER, CLARENCE G. (S'5B-M'59), Maint. Engr., Mead-Johnson, Evansville, Ind.

 WINTERNITZ, THOMAS W. (S'39-A'41-M'55), Milltary Dev. Engr., Bell Tel. Labs., Whiopany, N.J.

 WINTERS, ARNOLD L. (S'52-A'53), Electronics Engr., U. S. Amw. Signal Research & Development Lab., Ft. Monmouth, N.J.

 WINTERS, ARTHUR (A'49), Owner, Winters Radio Lab..

- WINTERS, ARTHUR (A'49), Owner, Winters Radio Lab., 11 Warren St., New York 7, N.Y. WINTERS, BERL C. (A'52), Project Engr., Sperry Elec-tronic Tube Div., Gainesville, Fla.

- WINTERS, BERNARD C. (M'53), Owner, Shephard-Winters Co., 7407 1/2 Melrose Ave., Los Angeles 46, Callf. WINTERS, CLIFFORD S. (S'48-A'54), Sr. Engr., Chrysler Missile Operations, Box 2628, Detroit 31, Mich. WINTERS, HEINZ (A'58), Owner, Winters Radio & Television Repair Shop, U. S. Hwy 46 & Riverview Dr., Paterson 2, N.J.

- son 2, N.J.

 WINTERS, JOHN D. (M'56-SM'59), Mem, Tech. Staff, Ramo-Mooldridge Corp., Box 5073, Denver 17, Colo.

 WINTERS, JOHN N. (A'57), Govt. Contracts Mgr., Madigan Corp., 526 Mineola Ave., Carle Place, L.I., N.Y.

 WINTERS, LOUIS C. (S'48-A'50), Owner, Engr., Northwestern Radio Lab., 2622 N. East, Lansing 6, Mich.

 WINTERS, M. NEVILLE (S'56-M'57), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park Ave., Santa Monica, Calif.

 WINTERS, RICHARD K. (S'56-A'57), Test Equipment Engr., Collins Radio Co., Cedar Rapids, Jowa.

 WINTERS, WILLIAM D. (A'51-M'56), Electronics Engr., Wright Air Develoment Center, USAF, Wright Air Develoment Center, USAF, Wright Air Develoment Center, USAF, Wright-Patterson AFB, Ohio.
- WINTERS, WILLIAM, J. (M'56), Design & Dev. Engr., Jeffers Electronics Div., Speer Carbon Co., Hoover Ave., Dubols, Pa.
- Dubois, Pa. WINTERSTROM, ROBERT L. (M'58) Electronic Engr., Hughes Aircraft Co., El Segundo, Calli. WINTLE, HARLEY C. (M'46-SM'56), Electronics Engr., GE Co., Syracuse, N. Y. WINTLE, MONROE R., JR. (S'55-M'58), Radar Design & Dev. Engr., Bendix Radio Div., Baltimore 4, Md.

- α υνν. Επgr., Bendix Radio Div., Baltimore 4, Md.
 WINTON, HENRY J. (S'49-A'50-M'56), Assoc. Engr.,
 Sperry Gyroscope Co., Great Neck, L.I., N. Y.
 WINTRINGHAM, WILLIAM T. (A'26-SM'45-F'51), Engr.in-Cho., Visual Systems Research, Bell Tel. Labs., Murray
 HIII, N.J.
- WINTRISS, G. VICTOR (S'53-A'55), Pres., Electronic Prod. Associates, Inc., 9 Poplar Pl., Fanwood, N. J. WINTROUB, HERBERT J. (M'58), Mem. Tech. Staff, Space Technology Lab., Ramo-Wooldridge Corp., Los Angeles 45, Calif.
- Calif.
 WINWARD, K. BOYD (A'56), Engr., Boeing Airplane Co.,
 Seattle, Wash.
 WINZEMER, AARON M. (A'42-M'48-SM'50), Staff Engr.,
 Military Systems Planning Group, U. S. Industries, Inc.,
 250 Park Ave., New York 17, N. Y.
 WIPFF, FRANK P. (M'57), Pres., Airbome Navigation
 Corp., 2B18 N. Stone, Tucson, Ariz.
 WIPSON, J. WARREN (S'48-A'50-M'58), Project Engr.,
 Hallamore Electronics Co., 8352 Brookhurst Ave., Anaheim, Calif.

- WIREN, JACOB (M'57), Assoc. Prof., Research in Communications, Northeastern Univ., 360 Huntington Ave., Boston,
- WIRES, GARY A. (S'55-M'5B), Applied Mathematician, Packard Bell Computer Corp., 1905 Armacost Ave., Los Angeles 25, Calif.
- WIRFEL, WILLIAM M. (S'47-A'50-M 55), Project Supvr., Ford Instrument Co., Thomson Ave., Long Island City 1, N.Y.
- N.Y.

 WIRSZ, NICHOLAS C. (A'52-M'59), Engrg. Services, Internati. Electric Co., Rte. 17, Paramus, N. J.

 WIRTH, CHARLES H. (S'46-A'51-M'55), Mgr., Instrumentation Sales, Eastern Region, Ampex Corp., 423 Bloomfield Ave., Montclair, N. J.

 WIRTH, EDWARD D. (M'58), Assoc. Engr., IBM, Poughbangie N. V.
- keepsie, N. Y.
 WIRTH, HERMAN J. (M'55), Electronics Scientist, USN
 Electronics Lab., San Diego 52, Calif.
 WIRTH, MARTIN T. (S'55-M'58), Jr. Engr., AC Spark
 Plug Mig. Co., 1925 E. Kenliworth, Milwaukee, Wis.
- Plug Mmg , Co , . 1925 E , Renliworth , milwaukee , Wis , WIRTZ , EDWIN L , (S'54-A'55) , Systems Engr. , RCA , Moorestown , N , J .

 WISCHMEYER , CARL R , (S'38-A'41-M'45-SM'50) , Master of Baker College & Assoc , Prof. , Elec , Engrg. , Rice Institute , Box 1892 , Houston 1 , Tex
- WISCHNIA, HERBERT F. (S'48-A'51-M'56-SM'59) Asst. Lab. Mgr., American Machine & Foundry Co., 11 Bruce Pl., Greenwich, Conn.

- Bruce Pl., Greenwich, Conn.
 WISDOM, ARCH H. (M'59), Sr. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.
 WISE, ABRAHAM (S'45-A'49-M'56), Consulting Engr., A. Wise, P. E., 84 E. Malin St., Patchogue, L. I., N. Y.
 WISE, BERNARD (A'50), Pres., Industrial Transmitters & Amtennas, 7327-A West Chester Pike, Upper Darby, Pa.
 WISE, CHARLES D. (S'56-M'58), Electronics Engr., Univ. of California Lawrence Radiation Lab., Box 808, Livermore, California Lawrence Radiation Lab., Box 808, Livermore, California Lawrence Radiation Lab., Box 808, Livermore, California Lawrence Radiation Lab. more, Calif

- more, Calif,
 WISE, DAVID O. (S'48-A'49-M'55), Bendix Aviation,
 11600 Sherman Way, North Hollywood, Calif,
 WISE, DAVID S. (SM'56), Chief Engr., Tube Testers &
 Oscilloscopes, The Hickok Electric Instrument Co., 10514
 Dupont Ave., Cleveland 8, Ohio,
 WISE, DONALD P. (SM'52), Project Engr., Barkley & Dexter
 Labs., Inc., 50 Frankfort St., Fitchburg, Mass.
 WISE, DOUGLAS R. (S'53-A'55), Engrq. Consultant, Heath
 Co., 305 Territorial Rd., Benton Harbor, Mich.
 WISE, G., HARLAN (A'52-M'52), Dir., Home Study Instruction, Devry Tech. Institute, 4141 Belmont Ave., Chicago
 41, III.
- WISE, GEORGE C. (A'57), Research Technician, Missile Systems Div., Lockheed Aircraft Corp., Box 504, Sunny-vale, Calif.
- WISE, HAROLD G. (A'45-M'46-SM'57), Radio Supvr., Illinois State Police Radio, Edgemont Sta., East St., Louis,
- MISE, HERMAN J. (SM'56), Chief Engr., Collins Electronics Mfg. Corp., Stevensville, Md. WISE, HOWARD, W. (M'32-SM'43), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J. WISE, JOHN A. (S'56-M'58), 1st Lt., USAF, 6314th Air Base Wing, Pacific Air Forces, APO 970, San Francisco, Calif.

- Calif.
 WISE, JOHN P. (M'57), Assoc. Project Engr., Mine Detection Branch, E. R. D. L., Fl. Belvoir, Va.
 WISE, LELAND J. (A'59), Asst. Mgr., W. T. Grant Co.,
 3B Liberty St., Bath, N. Y.
 WISE, NATHAN (S'54-M'57), Quality Control Engr., Fenwal
 Electronics, Inc., 51 Mellen St., Framingham, Mass.
 WISE, RALEIGH J. (M'40-SM'43), Consulting Engr., Research & Dev., Western Union Telegraph Co., 60 Hudson
 St., New York 13, N. Y.

- WISE, RAYMOND O. (SM'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J. WISE, RICHARD S. (M'56), Electronics Engr., Collins Radio
- Cedar Rapids, Iowa
- WISE, WILLIAM L. (S'50-A'53-M'57), Dev. Engr., Dymec, Inc., 395 Page Mill Rd., Palo Alto, Calif.
 WISEMAN, PAUL E., JR. (A'52-M'57), Project Engr., RCA. Canden, N. 1
- MISEMAN, STANLEY D. (M'55), Sr. Engr., Martin Co., Box 179, Denver 1, Colo. WISENDEN, GRAHAM A. (S'56-M'58), Test Method Engr., Northern Electric Co., Box 6127, Montreal, P. Q., Canada. WISHNA, SHELDON (S'55-M'56), Engr., ITT Labs., Nutley 10, N. J.
- NUTTER LO, N. J.
 WISIALOWSKI, JOHN S. (S'58-M'59), Jr. Engr., A. C.
 Spark Plug Div., 7929 S. Howell Ave., Oak Creek, Wis
 WISNER, CARL V., JR. (A'49), Patent Atty., 201 S. E.
 2nd St., Ft. Lauderdale, Fla.
- ZNO St., Ft. Lauderdale, Fla. WISNER, HOWARD L. (A '54-SM'56), Assoc. Prof., Purdue Univ., 902 N. Meridian. Indianapolis, Ind. WISNER, ROBERT M. (M'46-SM'50), Lead Engr., Pilotless Aircraft Div., Boeing Airplane Co., Box 3024, Seattle 14, Wash.
- Wash.
 WISNESKI, WALTER F. (M'52), Radio Technician, Westinghouse Broadcasting Co., Inc., WBZ-AM, FM, TV, 1170
 Soldiers Field Rd., Boston 34, Mas.
 WISNIEWSKI, JACOB H. (S'56-M'57), Research Engr.,
 Lockheed Missile System Div., 3251 Hanover St., Palo
 Alto, Calif.
- WISNIEWSKI, STANLEY J. (M'54), Maj., USAF, Chief Requirements, Anal. & Operations Command, Coordinator for System 480L (Air Command), Hqrs. ARDC, Dir., Systems Mngt. Wright-Patterson AFB. Ohio. AFB, Dayton, Ohlo.

- AFB, Dayton, Ohlo.
 WISNOWSKI, WALTER C. (A'53-M'58), Project Engr.,
 Motorola, Inc., 1450 N. Cicero, Chicago 51, III.
 WISS, GERALD. (S'54-A'55), Station Radar Engr., RCA
 Missile Test Project, Patrick AFB, Fla.
 WISSEL, FRANCIS A. (A'41-M'44-SM'46), Dir., Communications Engry. Debt., Crosley Div., Avco Mfg. Corp., 1329
 Arlington St., Cincinnati 25, Ohio.
- WISSEMANN, HILMER J. (A'46-5M'52), Asst. V.P., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex. WISSENBACH, FRED 0. (A'57), V.P., Felton & Son, Inc., 516 E. 2nd. St., Boston, Mass.
- WISSMAN, ALPHONSE J. (S'50-A'52-M'57), Engr., Westing-house Elec. Corp., 700 Braddock Ave., East Pittsburch. Pa. WISSMANN, HARRY B. (M'56), Administrative Staff, Mngt. Services Div., Arthur D. Little, Inc., 30 Memorial Dr., Cambridge 42, Mass.

- Cambridge 42, Mass.

 WISZOWATY, CHESTER B. (M'59), Fleld Engr., RCA Semiconductor & Materials Div., Rte. 202, Somerville, N.J.

 WITBECK, LEWIS H. (S'49-A'51-M'56), Electronic Scientist,
 Naval Ordnance Lab., Corona, Callí.

 WITCHER, J., FRANK (S'49-A'50-M'56), Engr., Wilcox Electric Co., 14 & Chestnut, Kanasa City I, Mo.

 WITHERELL, CHARLES E. (S'55-M'58), Engr., Internati.
 Nickel Co., Inc., Box U, Bergen Point Sta., Bayonne, N.J.

 WITHEROW, JOHN A. (S'56-M'58), Elec. Engr., Melpar,
 Inc., 3000 Arlington Bivd., Falls Church, Va.

 WITHERS, JOHN S. (S'50-A'51), Elec. Engr., Bussman
 M'g. Co., 2536 W. University. St. Louis: Mo.

 WITHERS, JOHN W. (M'59), Asst. Mgr., Launchers & Power
 Plants Dest., Hughes Aircraft Co., Culver City, Calif.

 WITHERSPOON, JACKSON T. (S'55-M'56), Electronics
 Design Engr., Link Aviation, Inc., Box 1318, Palo Alto,
 Calif.
- WITHERSPOON, JOHN M. (A'57-M'58), Dev. Engr., Burroughs Corp., Paoli, Pa. WITHERSTONE, EDWIN D. (M'54), Newfoundland Area Engr., Canadian Broadcasting Corp., Duckworth St., St. John's, Nfld., Canada.
- WITHERWAX, HARRY E. (A'55-M'58), Training Equipment Coordinator, Norair Div., Northrop Aircraft Inc., Hawthorne Airport, Hawthorne, Calif.
- Airport, Hawthome, Calif.
 WITHINGTON, ARTHUR (S'54-A'55-M'57), Electronics
 Engr., GE Co., Utica, N.Y.
 WITHINGTON, FREDERIC G. (M'58), Tech. Supvr., Burroughs Corp., 10 E. 40 St., New York, N.Y.
 WITHINGTON, JOSEPH G. (A'54-M'57), V.P., E.H.
 Nieman Tool & Machine Co., Sullivan, Mo.
 WITHNELL, RONALD (M'57), Sr. Dev. Engr., (Electronics),
 Western Mfg. Co., Reading, Berks., Enpland.
 WITHROW, WILLIAM E. (A'42-M'55), Unit Head, Naval
 Research Lab., Washington 25, D.C.
 WITKIN. ERNEST (A'46-SM'53). Project Engr., RCA, Moore

- WITKIN, ERNEST (A'46-SM'53), Project Engr., RCA, Moores-
- WITKOWSKI, J. F. (A'23-VA'39-SM'58)(L), Consulting Editor, Home Study Texts, 1310 Woodlawn St., Scranton 9, Pa.
- WITKOWSKI, RAYMOND J. (SM'56), Engrg. Specialist, GE
- Co., Syracuse, N.Y.
 WITLIN, JOSEPH J. (A¹55), Owner, Fay-Lin TV Service Co.,
 1332 W. 6 St., Brooklyn 4, N.Y.
 WITMER, FRANK S. (M¹57), 23 Bayview Ave., Port Washington,
 L.I., N.Y.
- L.I., N.Y.
 WITOW, MORRIS I. (M'49), Electronics Engr., Naval Gun
 Factory, Washington 25, D.C.
 WITSIEPE, RALPH E. (A'55-M'57), Field Supvr., Okinawa, TechRep. DIV., Phillo Corp., 22 St. & Lehigh Ave.,
 Philadelphia, Pa.
- WITT, ARTHUR J.B. (M'59), Electronics Field Engr., Hazel-tine Electronics Div., 138 Haven Ave., Port Washington, L.I., N.Y.
- WITT, ARTHUR N. (M'57) Computer Engr., No. Amer. Aviation, Downey, Calif.
- Aviation, Downey, Calif.
 WITT, CHRISTOPHER J. (M'57), Engr., Sperry Gyroscope
 Co., Carle Place, L.I., N.Y.
 WITT, CONNIE E. (M'50), Engr., Amphenol-Borg Electronics Corp., 1830 S. 54 Ave., Chicago 50, III.
 WITT, FRANCIS J. (S'52-A'54-M'57), Mam. Tech. Staff,
 Bell Tel. Labs., Murray Hill, N.J.
 WITT, HOWARD R. (S'53-A'54), 413-C Butler Ave., Princeton, N.J.
- WITT, LEROY A. (S'53-A'54), Design & Dev. Engr., RCA,
- Camden, N.J.
 WITT, RICHARD P. (M¹52), Mgr., Computer Engrg., Computer
 Dopt., GE Co., Phoenix, Ariz.
 WITT, RUSSELL E. (SM¹57), Asst. Chief Engr., Pacific
 Automation Prods., Inc., 1000 Airway, Glendale 1. Calif.

- WITT, SAMUEL N., JR. (A'54), Research Engr., Georgia Institute of Technology, Engrg. Experiment Sta., Atlanta, Ga.
- ua. WITT, VICTOR R. (S'48-A'51-SM'55), Area Mgr., D.P. Magnetic Tape Dev., IBM, Poughkeepsie, N.Y. WITT, WILLIAM W. (M'58), Elec. Design Engr., Southwestern Industrial Electronics, 10201 Westheimer Rd., Houston 1.9, Tex.
- WITTE, JOSEPH J. (M'55), Project Engr., Diamond Ord-nance Fuze Labs., Washington 25, D.C.
- nance Fuze Labs., Washinoton 25, D.C.
 WITTE, RDY (M'53), Chief Engr., Haydon Div., Genl. Time
 Corp., 245 E. Elm, Torrinoton, Conn.
 WITTE, WILBERT E. (M'57), Asst. Sr. Engr., Bendix
 Aviation Corp., Kansas City, Mo.
 WITTELS, IVAN M. (S'52-M'57), Menl. Tech. Staff, Hughes
 Aircraft Co., Fullerton, Calif.
 WITTELS, LEDOME I. (SEC.ABS.) MISSA Mom. Tech.

- Aircraft Co., Fullerton, Calif.
 WITTELS, JEROMEL. (S'50-A/51-M'56), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N.J.
 WITTELS, JOHN R. (M'59), Supvr., Missiles & Space Div.,
 Lockheed Aircraft Corp., Van Nuys, Calif.
 WITTEN, ARTHUR L. (S'42-A'45-M'50-SM'53), Mgr.,
 Electronics Dept., Curtiss-Wright Corp., Santa Barbara,
 Calif.
- WITTEN, ERNEST L. (M'48), Asst. Chief, Weapons Delivery Sect., Douglas Aircraft Co., Inc., 827 Lapham St., El Segundo, Calif.
- WITTENBERG, ERWIN C. (S'56-M'58), 622 El Ranchito Way,
- moduntain view, Calif.
 WITTENBERG, ROLAND C. (S'47-A'48-M'55), Reeves Instrument Corp., Garden City, L.I., N.Y.
 WITTENBERG, WILFORD M. (A'54), Dev. Engr., IBM,
 Doughtenstein, M.

- WITTENBERG, WILFORD M. (A'54), Dev. Engr., 16M, Poughkeespie, N.Y.
 WITTENBURG, CHARLES W. (A'44-5'48-A'51-M'58), Project Electronics Dev. Engr., Motorola, Inc., Hayden & McDowell Rd., Phoenix, Arlz.
 WITTHUN, HERBERT D. (M'55), Design Engr., GE Co., Syracuse, N.Y.
 WITTIG, WILLIAM L. (A'47-M'55-SM'59), Electronics Engr., USAF, ATIC., Wright-Patterson AFB, Ohio.
 WITTING, EDWARD G. (SM'56), Deputy Dir., Research & Dev., Dept. of The Army, The Pentagon, Washington 25, D.C.
- WITTKE, JAMES P. (M'58), Mem. Tech. Staff, RCA,
- Princeton, N.J.
 WITTKE, PAUL H. (S'55-M'56), Defence Scientific
 Service Officer, Defence Research Board, Dept. Natl.
 Defence, Shirley's Bay, Ottawa, Ont., Canada.
- WITTKE, ROBERT F. (A'51), Electronics Engr., Avionics
 Div., John Oster Mfg. Co., 1 Main St., Racine, WisWITTKOP, CHARLES F. (S'52-A'53-M'59), Project
 Engr., Motorola, Inc., 1400 N. Cicero Ave., Chicago
 51, III.
- DAJ. III.
 WITTLINGER, HAROLO A. (S'54-M'57), Elec. Engr.,
 RCA, Harrison, N.J.
 WITTMAN, FREDERICK E. (M'58), Staff Mem., Los
 Alamos Scientific Lab., Box 1663, Los Alamos, N.M.
 WITTNER, ROBERT D. (SM'58), Engrg. Sect. Head,
 Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 WITTY WILLIAM M. (EMISA) CO. 1
- WITTY, WILLIAM M. (SM'54), Genl. Mgr., Continental Electronics Mfg. Co., 4212 S. Buckner Blvd., Dallas 27, Tex.
- WITZEL, ANTON B. (S'50-A'51-M'56), Project Engr., Cubic Corp., 5575 Keamy Villa Rd., San Diego 11, Calif.
- WIXSON, EDWIN S. (S'52-A'53-M'58), Sr. Elec. Engr., Sylvania Elec. Prods., Inc., Great Arrow Dr., Buffalo, N.Y. WIXSON, FULTON C. (A'47-M'55-SM'55), Sr. Engr., Allen B. DuMont Labs., Inc., 750 Bloomfield Ave., Clifton, N.J.

- Clifton, N.J.
 WIXSON, ROGER L. (M'57), Engr., Shell Development
 Co., Emeryville, Calif.
 WXTROM, LEE A. (M'59), Research Engr., No. Amer.
 Aviation, Downey, Calif.
 WIZELMAN, ALVIN (S'49-A'51-M'57), Mem. Tech. Staff,
 Ramp-Wooldridge Corp., Box 90534, Los Angeles 45,

- Calif.
 WLASSOW, SERGEJ (S'55-M'57), Dev. Engr., Motorola, Inc., 916 N. Kilbourn, Chicago, III.
 WLOCHOWICZ, ROMEO (S'57-M'57), 2915 Prieur St., Montreal, P.O., Canada.
 WOBIG, WILLIAM H. (M'55), Sr. Electronics Project
 Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y.

- Rochester 3, N.T.

 WOCHINGER, ROBERT (SM'58), 89 Luyster St., Huntington Sta., Li., N.Y.

 WODTKE, WERNER H. (A'58), Missile Project Techniclan, Missile Div., Chrysler Corp., Detroit, Mich.

 WOEHST, KIRBY H. (A'51), Salesman, Harrison Co., Inc., 1442 San Jacinto, Houston 2, Tex.

 WOELFFER, RUSSELL M. (A'56), Design Engr., U-Test-M Migr., Co., 825 W. Cleveland Ave., Milwaukee 15, Wis.

 WOELGESY, JULES D. (M'55), 392D Bronx Blvd., Bronx 66, N.Y.
- 66, N.Y.
 WOELZ, AUGUSTIN L, (M'47), Engr., Owner, Electronics
 Industrial, Ltda., Rua Caramuru, 305, Sao Paulo,
 Brazil.
- WOERDEMANN, HUGO H. (SM'57), Pres., Magnetic Research Corp., 3160 W. El Segundo Blvd., Hawthorne, Calif.

- Callf.
 WOERNER, JOHN J. (M'54), V.P., Penta Lahs., Inc., 312 N. Nopal St., Santa Barbara, Call.
 WOERNER, ROBERT G. (A'54), Transmitter Engr., WNEW-TV, Matropolitan Broadcasting Corp., 205 E. 67 St., New York 21, N.Y.
 WOESSNER, WALTER J., JR. (S'55-M'58), Jr. Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- WOESTMAN, JOHN W. (S'46-A'49-M'55), Controls Dev. Engr., Flight Propulsion Div., GE Co., Evendale, Cincinnati 15, Ohio.

 WOFFORD, DELBERT R. (A'49), Supt., Comm., Texas Gas Transmission Corp., 416 W. 3rd St., Owensboro, Ky.

 WOOFORD, JOSEPH H. (A'49-M'55), Owner, Radio Communication Engrg. Service, 4317 Montrose Bivd., Houston 6, Tex.

 WOFFORD, WILLIAM D., JR. (A'48), Owner, Wofford Electronic Parts Co., 3508 Crawford St., Houston 4, Tex.

 WOFSEY, DAVID (A'56), Electronics Engr., Animation Equipment Corp., 38 Hudson St., New Rochalle, N.Y.

- WOGRIN, CONRAD A. (S'48-A'52-M'57), Asst. Prof., Elec. Engrg., Yale Univ., Dunham Lab., 2158 Yale Sta., New Haven, Conn.
- WOHL, CHARLES (S'46-A'47-M'55), Engr., Surface Communications, RCA, 75 Varick St., New York 13,
- WOHL, JACK (S'53-A'54), Research Engr., Missiles WUHL, JACK (5'53-A'54), Research Engr., Missiles System Div., Lockheed Aircraft Co., Sunnyvale, Calif. WOHL, JOSEPH G. (SM'58), Sr. Systems Engr., Dunlap & Associates, Inc., 429 Atlantic St., Stamford, Conn. WOHL, ROBERT J. (M'50), Material Lab., Solid State Electronics Devices Sect. Head, Material Lab., New York Naval Shipyard, Brooklyn 1, N.Y.

- TUTK NAVAI SNIPYATH, Brooklyn 1, N.Y.
 WOHLEKING, WALTER G. (M'59), 33 Sprague St.,
 Baldwin, L.I., N.Y.
 WOHLER, GUIDO O. (M'57), Chief, Design & Production
 for Professional Equipment, Philips A.G., Edenstrasse
 20, Zurich 27, Switzerland.
- WOHLERT, ANDREW M. (\$'49-A'50-M'58), Engr., Natl. Electronics, Inc., Geneva, III.
 WOHLFART, EMIL (A'56), Regional Maint, Rep., c/o
 Sta. Liaison Office, Tobythanna Signal Depot, Toby-hanna, Pa

- hanna, Pa.
 WOHLGEMUTH, ADOLPH J. (A'51-M'56), Design Engr.,
 RCA, Somerville, N.J.
 WOHLGEMUTH, ANDREW C. (M'57), Mem. Tech. Staff,
 Bell Tel. Labs., Whippany, N.J.
 WOHLGEMUTH, DELMER G. (S'49-A'50), Control
 Planning Engr., USD1, Bonneville Power Administration,
 Box 3537, Portland 8, Ore.
 WOHD THOMAS F. (M'58). Project Engr., IBM, Pough-WOHR, THOMAS E. (M'58), Project Engr., IBM, Pough-
- WOHR, THOMAS E. (M:58), Project Engr., ISM, Fougil-keepsie, N.Y.
 WOLICIAK, JOSEPH A. (S'50-A'54), Field Engr., Western Electric Co., Winston-Salem, N.C.
 WOLICICKI, FRANK J. (A'53), Supvr., Tech. Writing, Westinghouse Elec. Corp., Friendship Internatl. Air-port, Baltimore 27, Md.
- woJCIECHOWSKI, BOGUMIL M. (M'45-SM'52), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N J.

- Staff, Bell Tel. Labs., Murray Hill, N.J.
 WOJCIECHOWSKI, EARL T. (S'53-M'57), Design Engr.,
 RCA. Camden. N.J.
 WOJCIK, BRONISLAW M. (S'43-A'44-M'47), Instr.,
 Western College of Radio & TV, 735 Larkin St., San
 Francisco 9, Calif.
 WOJCIK, JOSEPH J. (A'49-SM'56), Project & Dev. Engr.,
 Waterman Prods. Co., 2445 Emerald St., Philadelphia
 25, Pa.
- 25, Pa. WONNAR, ANDRZEJ (A'57), Chief Engr., Tele-a, Radio Research Institute, Ratuszowa, Warsaw, Poland. WOLANSKI, HENRY S. (A'53), Aerophysics Group Engr., Convair, Ft. Worth, Tex.

- WOLANSKI, HENRY S. (A'53), Aeronayir, Sorous Engr., Convair, Ft. Worth, Tex.
 WOLAVER, LYNN E. (A'53), Aeronayical Research Scientist, USAF, Wright Air Development Center, CODE-WCRPY, Wright-Patterson AFB, Ohio.
 WOLBER, ROBERT R. (M'59), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
 WOLBER, WILLIAM G. (A'55), Sr. Engr., Bendix Aviation Corp., Box 5115, Detroit 35, Mich.
 WOLBER, WILLIAM G. (M'57), Industrial Specialist, American Bosch Arms Corp., Garden City, L.I., N.Y.
 WOLOTT, C. FREDERICK (L'26-A'28-M'36-SM'43-F'57), Tech. Dir., Gliffillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Callf.
 WOLCOTT, JOHN R. (S'4B-A'50-M'5B), Sect. Head, Receiving Systems, Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N.Y.
 WOLCOTT, ROBERT G. (S'44-A'49-M'49), Elec. Engr., RCA, Moorestown, N.J.
 WOLD, DWIGHT C. (S'52-A'55), Field Engr., Hughes Aircraft Co., Culver City, Callf.
 WOLD, JACK E. (S'56-M'58), Electronics Engr., Goodyear Aircraft Corp., Akron 15, Ohio.
 WOLDER, STANLEY (M'59), Patent Lawyer, 521 5 Ave., New York 17, N.Y.
 WOLDOW, ALLAN F. (A'53-M'58), Field Engr., RCA Service Co., Camden B. N. I.

- WOLDER, STANLEY (M'59), Patent Lawyer, 521 5 Ave., New York 17, N.Y.
 WOLDOW, ALLAN F. (A'53-M'58), Field Engr., RCA
 Service Co., Camden B., N.J.
 WOLDT, FLOYD R. (S'56-M'57), Sales Engr., AllenBradley Co., 630 3rd Ave., New York 17. N.Y.
 WOLENSKY, WILLIAM (S'49-A'50-M'55), Advisory Engr.,
 IBM, Poughkeepsie, N.Y.
 WOLF, ADOLPH (A'58), Mfg. Mngt., Zenith Radio Corp.,
 1500 N. Kostner Ave., Chicago, III.
 WOLF, ALFRED A. (S'49-A'49-M'55), Instr., Elec.
 Engrg., Juniv. of Pennsylvanla, Moore School of Elec.
 Engrg., 200 S. 33 St., Philadelphia 38, Pa.
 WOLF, BERTRAM H. (SM'54), Air Force Contracts Mgr.,
 Stavid Engrg., Inc., U. S., Hwy. 22, Plainfield, N.J.
 WOLF, CHARLES F. (S'57-M'58), 91-37 117 St.,
 Richmond Hill 18, L.J. N.Y.
 WOLF, CHARLES P. (S'56-M'56), Radar Engr., The Emer-
- OLF, CHARLES P. (S'56-M'56), Radar Engr., The Emer-son Electric Mfg. Co., 8100 W. Florissant, St. Louis 21, Mo.
- WOLF, DONALD A. (S'51-A'53-M'59), Dev. Engr., GE
- MOLF, DONALD A. (S'51-A'53-M'59), Dev. Engr., GE
 Co., Ithaca, N.Y.

 WOLF, EDGAR (A'54), Sr. Project Engr., Digitronics
 Com., Albertson Ave., Albertson, L.I.N.Y.

 WOLF, EDWARD G. (S'47-A'48-M'55), Engro. Sect.
 Head, Elec. Measurements Lab., Sperry Gyroscope Co.,
 Great Neck, L.I., N.Y.

 WOLF, EDWIN H. (M'57), Engro. Physicist, Sylvania
 Elec. Prods., Inc., 1100 Webrie Dr., Buffalo 21, N.Y.

 WOLF, ERIC W. (S'48-A'50-M'55-SM'59), Sub-Dept.
 Head, The Mitre Corp., Lexington 73, Mass.

 WOLF, FERWIN M. (A'52-M'57), Project Engr., Reeves
 Instrument Coro.. East Gate Bivd.. Garden Citv. L.I.. N.Y.

 WOLF, FRANCIS J., JR. (SM'58), Antenna Design Engr.,
 GE Co., 3198 Chestnut St., Philadelphia, Pa.

 WOLF, FRANKLIN A. (S'48-A'49-M'55), Sr. Engr.,
 Industrial Nucleonics Corp., Columbus, Ohio.

 WOLF, FRANKLIN E., JR. (S'47-A'50-M'55), Tech.
 Asst. to Tach. Dir. 11. S., Naval Training Device Center,
 Port Washington, L.I. N.Y.

 WOLF, FREDERICK H. (S'50-A'51-M'56), Engr., West-

- PORT WASHINGTON, L.I.N.Y.

 WOLF, FREDERICK H. (S'50-A'51-M'56), Engr., WestInghouse Elec. Corp., Box 746, Baltimore 3, Md.

 WOLF, GEORGE T. (A'53-M'58), Supvr., GE Co.,

 Auburn, N.Y.

 WOLF JARDE (A'43), SUPVR.
- Auburn, N.Y.

 WOLF, HAROLD (A'41-SM'49), Asst. Dean, The City
 College, 140 St. & Amsterdam Ave., New York 31, N.Y.

 WOLF, HARRY K. (M'48-SM'59), Assoc. Prof., Electronics
 Engr., California State Polytechnic College, San Luls
 Obispo, Calif.

- WOLF, JAMES E. (S'49-A'51-M'56), Staff Engr., California Interstate Telephone Co., 16461 Mojave Dr., Victortille Calif.

- VIIIe, Calil.

 WOLF, JOACHIM E. (M'58), Engr., Westinghouse Elec.
 Corp., Box 746, Baltimore 3, Md.

 WOLF, LESTER J. (A'24-VA'39-SM'50), Engr., RCA,
 Moorestown, N.J.

 WOLF, LOUIS (A'39-SM'54), Group Leader, RCA, Camden, N.J.
- den, N.J.
 WOLF, MARTIN (A'52-M'54-SM'56), Mgr., Solar Engrg.,
 Semiconductor Div., Hoffman Electronics Corp., 930 Pitner Ave., Evanston, III.
- WOLF, MATTHEW B. (\$'57-M'57), Systems Engr., Bendix Aviation Com., Sherman Way, North Hollywood, Calif. WOLF, NEIL F. (\$'55-M'56), 5524 Murdoch, St. Louis 9, Mo.
- WOLF, PAUL I. (S'57-A'58), Elec. Engr., St. Barnabas Hospital Research Dept., 714 9 Ave., S., Minneapolis 4, Minn.
- WOLF, ROBERT R. (M'57), Project Engr., RCA, Camden,
- N.J.
 WOLF, ROGER E. (M'55), Elec. Engr., RCA, Camden, N.J.
 WOLF, SAMUEL (A'54), Sr. Engr., Westinghouse Elec.
 Corp., Box 746, Baltimore 3, Md.
 WDLF, SHERMAN M. (S'50-A'51), Pres., Two-Way Radlo
 Engrs., Inc., 115 Ward St., Boston 20, Mass. & Genl.
 Mgr., Electrocom Corp., 109 Ward St., Roxbury 20, Mass.
- WDLF, SIDNEY H. (A'42), Service Engr., Contractor, Tremont Electrical Supply Co., 347 Tremont St., Boston 16, Mass.
- Boston 16, Mass.

 WOLF, STANLEY M. (S'57-M'58), Electronics Research Engr., No. Amer. Aviation, Los Angeles 45, Calif.

 WOLFAND, DAVID (S'42-A'45-M'55), Electronics Engr., Natl. Security Agency, Washington 25, D.C.

 WOLFE, ALBERT E., JR. (A'48-M'55), Research Engr., Natl. Asero & Space Administration, Edwards AFB., Calif.

 WOLFE, ALBERT R. (M'56), District Service Mgr., Raytheon Mig. Co., 3076 W. 117 St., Cleveland, Ohio.

 WOLFE, AUSTIN J. (A'59), Field Rep., Chrysler Missile Div., Box 2628, Detroit 31, Mich.

 WOLFE, BENJAMIN (M'50), Chief Engr., WJZ-TV, Westinghouse Broadcasting Co., 3725 Malden Ave., Baltimore 11, Md.

 WOLFE, C. M. (A'37-VA'30-MISC)

- WOLFE, C. M. (A'37-VA'39-M'55), Research Engr., 820 E. Bennett, Glendora, Callf.
- WOLFE, CURTIS E. (457), Sr. Engr., Martin Co., Box 179, Denver 1, Colo. WOLFE, DONALD C. (M'58), Chief Ground Radar Sect., Defense Branch, Pacific GEEIA, APO 323, San Francisc Calif.
- WOLFE, EDWARD K., JR. (M'57), Asst. Foreman, Minne-apolis-Honeywell Regulator Co., 2600 Ridgeway Rd., Minneapolis 13, Minn.

- Minneapolis 13, Minn.

 WOLFE, FRANKLIN H. (S'56-M'5B), Electronics Engr.,
 Convair, San Diego, Calif.

 WOLFE, FRED R., JR. (SM'53), 1220 N. State Pkwy.,
 Chicago 10, III.

 WOLFE, GEORGE W. (A'55), Head, Microwave Group,
 Convair, San Diego 12, Calif.

 WOLFE, GIBSON M. (A'54-M'55-SM'57), Weapon
 Systems Analyst, GE Co., 735 State St., Santa Barbara,
 Calif.
- Calif.

 WOLFE, GILBERT (SM'56), Mgr., Engrg. Standards,
 Electron Tube Div., RCA, Harrison, N.J.

 WOLFE, HALLEY (A'42-M'44), Head, Guidance Branch,
 U.S., Naval Ordnance Test Sta., 3202 E. Foothill Blvd.,
 Passadena 8, Calif.

 WOLFE, HOWARD T. (S'46-A'4B-M'55), 5706 Ross
 St., Oakland 18, Calif.
- WOLFE, IRVING P. (A'46), Secy.-Treas., Banner Electronics, Inc., 2224 Chamberlayne Ave., Richmond 22,

- Va.

 WOLFE, J. EDMOND (S'40-A'41-SM'47), Computer Systems Engr., GE Co., Schenectady, N.Y.

 WOLFE, JOHN A. (A'50-M'55), Project Tech, Dir., Itek Corp., 1605 Trapelo Rd., Waltham, Mass.

 WOLFE, JOHN J. (A'59), Engr., Aero-Geo-Astro, 1914

 Duke St., Alexandria, Va.

 WOLFE, LOWELL I., JR. (S'54-M'58), Electronics Engr., Hughes Aircraft Co., Culver City, Calif.

 WOLFE, MICHAEL L. (A'53-M'58), Principal Electronics Engr., Missile Systems Div., Republic Aviation, 223

 Jericho Tpke., Mineola, L.I., N.Y.

 WOLFF, FFFR N. (A'49-M'55), Physicist, Research
- VOLFE, PETER N. (A'99-M'55), Physicist, Research Labs., Westinghouse Elec. Corp., Pittsburgh 35, Pa. WOLFE, RAMON E. (S'57-M'59), Mem. Tech. Staff, Space Technology Labs., 5730 Arbor Vitae St., Los Angeles 45, Calif.

- Angeles 45, Calif.

 WOLFE, REUBEN E. (M'56), Sr. Engr., Haller, Raymond & Brown, Inc., State College, Pa.

 WOLFE, RICHARD E. (A'48-M'55), Engr., Martin Co., Middle River, Baltimore 22, Md.

 WOLFE, ROBERT M. (S'49-A'52-M'56), Mem. Tech. Staff, Bell Tel. Labs., Murray HIII, N J.

 WOLFE, ROBERT W. (M'56), Electronics Engr., Bomac Labs., Inc., Salem Rd., Beverly, Mass.

 WOLFE, ROGER W. (M'56), Engre, Mgr., Electronic Tube Div., Burroughs Corp., Box 1226, Plainfield, N J.

 WOLFE, RUSSELL (A'45), Asst. Chief Engr., Trans-Sonics, Inc., Surlington, Mass.

 WOLFF, THOMAS R. (S'56-M'56), Test Equipment De-
- Sonics, Inc., Burlington, Mass.

 WOLFE, THOMAS R. (S'56-M'58), Test Equipment Design Engr., Tung-sol Electric, Inc., 200 Bloomfield Ave., Bloomfield, N.J.

 WOLFE, WILLIAM R. (M'58), Systems Engr., GE Co., 3198 Chestnut St., Philadelphia, Pa.

 WDLFERSPERGER, DONALD B. (A'58), Planning Rep., IBM, White Plains, N.Y.

 WOLFF, ALFRED F. (A'56), Chief Engr., Caltronic Lab., 461 S. Cochran, Los Angeles 36, Calif.

 WOLFF, EDWARD A. (S'51-A'55-M'58), Project Engr., Litton Industries, 491D Calver Rd., College Paris, Md.

 WOLFF, EDWARD J. (S'56-A'57). Technician, ITT

- Paris, Md.

 WOLFF, EDWARD J. (S'56-A'57), Technician, ITT
 Labs., Nutley 10, N.J..
 WOLFF, ELMER A. (A'52-M'5B), Engr., Texas Instruments,
 Inc., 6000 Lemmon Ave., Dallas, Tex.
 WOLFF, FRED (SM'59), Chief Engr., Universal Transistor
 Prods., Inc., 17 Brooklyn Ave., Westbury, L.I., N.Y.
 WOLFF, FREDERICK M. (A'52-M'57), Chief Engr.,
 Century Lighting, Inc., 521 W. 43 St., New York
 36, N.Y.

- WOLFF, GEORGE (A'53), Elec. Engr., Freed Transformer Co., Inc., 1718 Weirfield St., Brooklyn 27, N.Y. WDLFF, GUNTHER (M'5B), Dev. Engr., Consolidated Controls Corp., Bethel, Conn.
- WDLFF, GUNTHER (M°5B), Dev. Engr., Consolidated Controls Corp., Bethel, Conn.
 WOLFF, HARRY R. (A'42-SM'50), Ordnance Engr.,
 U.S. Naval Avionics Facility, Indianapolis, Ind.
 WOLFF, HERBERT (M'5B), Group Supvr., Computer Sect.,
 American Bosch Arma Corp., Garden City, L.I., N.Y.

- American Bosch Arma Corp., Garden Čliv, L.I., N.Y.

 WOLFF, HERMANN P., (SM'55), Physicist, Project Engr.,
 IBM. Pounkkeepsie. N.Y.

 WOLFF, HUBERT G. (M'47), Electronics Scientist,
 USN Electronics Lab., San Diego 52, Calif.

 WOLFF, IRVING (A'27-VA'39-F'42), V.P., Research,
 RCA, Princeton, N.J.

 WOLFF, JACK H. (S'50-A'55), Equipment Engr., AT&T
 Co., 400 Hamilton Ave., White Plains, N.Y.

 WOLFF, JAY R. (S'47-A'49-M'55), Dr., Research,
 Radiation Instrument & Dev. Lab., 5737 S. Halsted,
 Chicago, III.

 WOLFF, ROBERT I. (M'46), V. P., Engra, Centralab
- WOLFF, ROBERT L. (M'46), V. P., Engrg., Centralab Div., Globe-Union, Inc., 900 E. Keele Ave., Mil-waukee 1, Wis.
- Div., Globe-Union, Inc., 900 E. Keele Ave., Milwaukee I., Wis.

 WOLFF, RONALD L. (S'56-M'57), Elec. Engr., StrombergCarlson Co., 1400 N. Goodman, Rochester 3, N. Y.

 WOLFF, STEPHEN S. (S'56-M'58), 219-A Marshall
 St., Princeton, N. J.

 WOLFF, WILLIAM A. (A'55), Canadian Marconi Co.,
 2442 Trenton Ave., Montreal 16, P. Q., Canada.

 WOLFGANG, LOZURE G. (S'51-A'52-M'58), Engr., ITT
 Labs., 3702 E. Pontiac, Ft. Wayne, Ind.

 WOLFGANG, WILFORD W. (M'58), Engr., Western Electric
 Co., 204 Graham-Hopedale Rd., Burlington, N. C.

 WOLFISH, HERMAN H. (S'50-A'52-M'57), Dev. Engr.,
 ITT Labs., Nutley, N. J.

 WOLFORD, JAMES E. (A'56), Co-Owner, Electronic

- WOLFORD, JAMES E. (A'56), Co-Owner, Electronic Specialty Co., Delaware at Randolph, Charleston 2,
- WOLFSKILL, J. ROY (A'43-M'46-SM'50), Chief, Electronics Div., Craig Systems, Inc., 360 Merrimack St., Lawrence, Mass.
- St., Lawrence, Mass.

 WOLFSKILL, JOHN M. (A'39-M'55), Chief Engr., V.P.,
 Billey Electrical Co., Erie, Pa.

 WOLFSKILL, ROBERT F. (A'37-M'47-SM'52), Mgr.,
 Commercial Radio Monitoring Co., Box 7037, Kansas
 City, Mo.
- WOLFSON, ANTHONY S. (M'56), Mem. Tech. Staff, Microwave Lab., GE Co., 601 California Ave., Palo Alto, Calif.
- WOLFSON, ARTHUR H. (SM'59), Head, Dev. Sect., Sylvania Data Systems Operation, 189 B St., Needham 94, Mass.
- Sylvania Data Systems Speciator, 294, Mass.

 WOLFSON, HENRY S. (S'55-M'58), Engr., Philodocorp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 WOLFSON, HERSHEL (M'57), Physiclst, Components & Process, Magnetic Research Corp., 3160 W. El Segundo Blvd., Hawthome, Calif.

 WOLFSON, JOSEPH A. (M'56), Project Engr., Lab. for Electronics, Inc., 75 Pitts St., Boston 14, Mass.

 WOLFSON, RICHARO (S'53-M'57), Instr., Elec. Engrg., New York Univ., University Heights, Bronx 53, N.Y.

 WOLFSON, ROBERT B. (M'57), Engr., Westem Union Telegraph Co., 60 Hudson St., New York 13, N.Y.

 WOLFSON, ROBERT P. (M'56), Research Engr., Tennessee Prods. & Chemical Corp., 2611 West End Ave., Nashville, Tenn.

- WOLFTHAL, OAVID A. (A'46-M'55), Project Engr., Autometric Corp., 1501 Broadway, New York 36, N.Y. WOLHOWE, MILES V. (M'58), Engr., Hawley Prods. Co., St. Charles, III.
- St. Charles, III.
 WOLIN, LOUIS (A'48-SM'53), Engrg. Leader, Design & Oev.,
 RCA, Camden, N.J.
 WOLIN, SAMUEL (A'44-M'50-SM'53), Sr. Electronics
 Engr., McOonnell Aircraft Corp., Lambert-St. Louis
 Municipal Airport, St. Louis 3, Mo.

- Municipal Airport, St. Louis 3, Mo.

 WOLIN, SIDNEY (A'59), Electronics Engr., Instruments for Industry, Inc., 101 New South Rd., Hicksville, L.I., N.Y.

 WOLINSKY, ARTHUR (A'50), Publications Writer, U.S. Army Signal Publications Agency, Ft. Monmouth, N.J.

 WOLK, BERNARO (M'56), Research Engr., Sylvania Elec. Prods. Inc., Box 4, Bayside, L.I., N.Y.

 WOLK, J. F. (A'54), Sales Engr., The Superior Electric Co., 174 Meadows Bldg., Oallas 6, Tex.

 WOLK, NOLAN (S'36–A'40–SM'54), Research Dir., Interference Measurement Lab., 907 E. 51 St., Brooklyn, N.Y.

 WOLK, THE ODORE E. (M'57), Elec. Engr., ITT Labs., 3702 E. Pontiac, Ft. Wayne, Ind.

 WOLKEN, IRVING I. (S'49–A'50–M'55), Project Engr., Motorola, Inc., 4501 W. Augusta Blvd., Chicago 51. Ill.

 WOLKING, OONALD H. (S'48–A'51–M'54–SM'56), Works, Mgr., Interstate Electronics Corp., 707 E. Vermont Ave., Anaheim, Calif.

- Wgr., Interstate Electronics Corp., 70/ E. Vermont Ave., Anaheim, Calif.

 WOLKOV, OAVIO (A'55-SM'58), Engrg. Consultant, Airborne Instrument Lab., Mineola, L.I., N.Y.

 WOLKSTEIN, HERBERT J. (S'49-A'54-M'58), Design & Oev. Engr., RCA, Harrison, N.J.

 WOLL, CHARLES F. (A'36-SM'47), V.P., Queen Associates, Inc., 1530 Locust St., Philadelphia 2, Pa.

 WOLL, HARRY J. (S'41-A'42-M'45-SM'56), Mgr., RCA, Camden, N.J.

 WOLL, LELAN J. (S'56-M'57), Design Engr., Genl. Mills, Inc., 2003 E. Hennepin Ave., Minneapolis 13, Minn.

 WOLLA, MAURICE L. (S'53-M'56), Instr., Elec. Engr., Michigan State Univ., East Lansing, Mich.

 WOLLACK, NORBERT J. (S'55-M'56), Elec Engr., The Hallicrafters Co., 4401 W. 5 S., Chicago, III.

 WOLLAEGER, LOUIS A. (S'44-A'46-M'58), Factory Service Rep., RCA, Camden 8, N.J.

 WOLLAM, ROLF W. (SM'56), Engr., Collins Radio Co.,
- WOLLAN, ROLF W. (SM'56), Engr., Collins Radio Co.,
- Cedar Rapids, Jowa.

 WOLLENBERG, HAROLO A. (M'47), V.P. & Mgr., San Francisco Office, The Langevin Co., Inc., 1050 Howard St., San Francisco 3, Calif.
- St., San Francisco 3, Calif.

 WOLLIN, ERNEST ('5'15-4'52-5'56-M'59), Resident
 Physician, Dext. of Radiology, Univ. of California Medical
 Center, San Francisco 22, Calif.

 WOLLNY, WALTER T. (S'56-M'59), Electronics Engr., Temco
 Aircraft Corp., Dallas, Tex.
 WOLLRICH, ARTHUR E. (S'56-M'57), Applications Engr.,
 Hughes Aircraft Co., Culver City, Calif.

 WOLMAN, REIC (S'57-M'58), Mem. Tech. Staff, Bell
 Tel. Labs., Murray Hill, N.J.

- WOLMAN, LANE L. (S'44-A'45-M'55), Dir., Systems Engrg., Librascope, Inc., 808 Western, Glendale, Calif.
 WOLNIAKOWSKI, LEROY L. (S'55-A'56), Radlo Engr., WRIT. 5407 W. Martin Or., Milwaukee. Wis.
 WOLNIEWICZ, RAYMOND S. (A'52), 23 Clarkson St., Worcester 4, Mass.
 WOLOSCHAK, KONSTANTIN (SM'54), Elec. Engr., The Associated Press, 50 Rockefeller Plaza, New York 20, N.Y.

- WOLPERT, MORTON L. (S'53-M'56), Electronics Engr., Westinghouse Elec. Corp., Friendship Internatl. Airport, Baltimore, Md.

- Baltimore, Md.

 WOLSEY, LESLIE G. (S'53-M'56), Jr. Instr., Elec. Engrg.
 Opt., The Johns Hookins Univ., Baltimore 1B, Md.

 WOLSKY, MURRAY (M'57), Assoc. Standards Engr., Sperry
 Gyroscoe Co., Great Neck. L.J., N.Y.

 WOLTER, FRED A. (S'57-M'5B), Engr., Cook Research Labs.,
 6401 W. Qakton, Morton Grove, III.

 WOLTER, HERBERT R. (S'49-A'50-M'55), Project Engr.,
 ITT Labs., 343 Cortlandt St., Belleville, N.J.

 WOLTER, MAN, ARDEN J. (S'57-M'58), Jr. Engr., IBM,
 Owego, N.Y.

 WOLTERS, DAIF C. (S'54-M'52), Francisco, IRM,
 WOLTERS, WOLTERS,
- WOLTERS, DALE G. (S'56-M'57), Engr., Lear, Inc., 110 Ionia, Grand Rapids, Mich.
- WOLTHAUSEN, LAWRENCE H. (A'57), Sr. Research Technician, Curtiss-Wright Corp., Box 689, Santa Barbara, Calif.
- WOLTZ, ROBERT L. (A'50), Sales Engr., Flight Research, Inc., 7801 Hillside Ave., Hollywood 4.6, Calif.
 WOLVERTON, RAYMOND W. (S'49-A'51-M'56), Mem. Tech. Staff, Space Technology Labs., Box 95001, Los Angeles 45, Calif.
- WOLZIEN, ELDRED C. (M'46), Asst. Chief, Radio Standards DIv., Natl. Bureau of Standards, Boulder, Colo. WOMACK, FRANCIS L. (A'58), Equipment Maint. Man, AT&T
- WOMACK, PRANCIS L. (A'58), Equipment Maint. Man, AT Co., Shreveport, La. WOMACK, KARL K. (M'57), Project Officer, Air Proving Ground Center, USAF, Edlin AFB, Fla. WOMACK, RAY H. (A'49), Buyer, Servomechanisms, Inc., 12500 Aviation Blvd., Hawthorne, Calif. WONCIK, MICHAEL (S'52-A'55), Sr. Project Engr., ITT Labs., Nutley 10, N. J.

- Lans., Nutley IU, N.J.
 WONG, ANDREW (S'54-M'56), Plant Staff Supvr., Michigan
 Bell Tel. Co., 309 S. Washinaton, Saqinaw, Mich.
 WONG, ART S. (S'56-A'58), Research & Design Engr. 'A'
 Hazeltine Research Cror. Little Neck 62. L.l. N.Y.
 WONG, DAVID S. (A'55), Elec. Designer, Western Knapp
 Engr. Co., 650 5 St., San Francisco. Calif.
 WONG, DIGLIAS S. ("56-AM57). Flant Engr. Acc.
- Engra. vo., 650 5 St., San Francisco, Calif.
 WONG, DDUGLAS S. (S'56-M'57), Elec. Engrq. Asst.,
 Dent. of Water & Power, City of Los Angeles, Box 3669,
 Terminal Annex, Los Angeles 54, Calif.
 WONG, EDMUND (A'55), Accelerator Engr., Univ. of California Radiologoical Lab., 3rd & Paranassus, San Francisco
 21, Calif.
- WONG, EDWARD C. (A'54-M'57), Mem. Tech. Staff, Ramo-Wooldridge Corp., 5500 El Segundo Ave., Los Angeles,
- WONG, EDWARD K. (S'57-M'58), Engr., Sylvania Elec-tronic Oefense Lab., Mountain View, Calif.

- tronic Oefense Lab., Mountain View, Calif.

 WONG, FRANK (A'57), Project Engr., Hoffman Labs. Div.,
 3761 S., Hill St., Los Angeles 7, Calif.

 WONG, GEORGE J. (A'50-M'55), Field Engr., Philoc Corp.,
 22 St. & Lehiph Ave., Philadelphia 32, Pa.

 WONG, GEORGE W. (A'49-M'55), Sr. Electronics Engr.,
 Sylvania Elec. Prods., Inc., Waltham 54, Mass.

 WONG, HERBERT (S'55-M'57), Asst. Elec. Engr., City of
 Los Angeles, 200 N. Spring St., Los Angeles, Calif.

 WONG, HERBERT F. (A'54), 1142 Grant Ave., San Francisco,
 Calif.

 WONG, HOWARD Y. (S'49-A'51-M!54) Area Oir Additional Common Com
- WONG, HOWARD Y. (S'49-A'51-M'56), Assoc. Oir., Adm istration, Research & Dev. Div., Space Technology Labs., 5500 El Segundo, Los Angeles 45, Calif.
- WONG, JAMES B. (A'53), Electronics Engr., Martin Co.,
- Orlando, Fla.

 WONG, JAMES Y. (S'46-A'53-M'56-SM'5B), Assoc. Research Officer, Natl. Research Council, Ottawa, Ont., Canada.
- WONG, KAM L. (M'56), Group Head, Airborne Fire Control & Navigation System Reliability, Hughes Aircraft Co., Culver City, Calif
- WONG, MING S. (S'39-A'42-SM'53), Physicist, Propaga-tion Lab., Air Force Cambridge Research Center, Hanscom Field, Bedford, Mass.
- WONG, NEW F. (S'51-A'53-M'58), Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N. Y.
- N.Y.
 WONG, PETER (A'59), Electronics Technician, Lenkurt
 Electric Co., 1105 County Rd., San Carlos, Calif.
 WONG, RANDOL PH B. (A'55–M'58), Project Engr., Electronic Display Lab., Litton Industries, 1476 66 St., Emeryville B, Calif.
- WONG, ROBERT H. (S'5B-M'59), Elec. Engr., Mare Island Naval Shipyard, Vallejo, Calif. WONG, RUSSELL D. C. (S'57-A'57), Research Technician, Ontario Hydro Power Commission, Islington, Ont., Canada. WONG, SUNG Y. (A'53-M'58), Chief Engr., Computer Prod. Design, Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.
- YA, PA. WONG, WAGIO K. T. (S'57-A'58), Technician, Polytechnic Institute of Brooklyn, 55 Johnson St., Brooklyn 1, N. Y. WONG, WAI-KEE C. (S'56-M'58), Elec. Engr., Lynch Carrier System, Inc., 695 Bryant St., San Francisco 11, Calif.
- WONG, WING G. (M'56), Design Engr., Avco Mfg. Corp., 750 Commonwealth Ave., Boston, Mass.
- WONG, YIP 0. (S'58-A'58), 1672 E. 35 St., Brooklyn 34, N.Y.
- 34, N.Y.
 WOO, BARRY B. (S'58-M'59), Research Engr., 17809
 Woodruff, Agt. 5, Bellflower, Calif.
 WOO, CONRAD (S'55-M'57), Test Equipment Engr., Hughes
 Aircraft Co., 5440 W. Century, Los Angeles, Calif.
 WOO, FAYMOND (S'56-M'59), Engr., Dalmo Victor Co.,
 Ralmort Calif
- Belmont, Calif.
 WOO, KENNETH W. (S'55-M'58), Instr., Illinols Institute
 of Technology, Technology Center, Chicago 16, Ill.
 WOO, WAY D. (M'53-SM'53), Staff Engr., Oatamatic Div.,
 Minneapolis-Honeywell Regulator Co., 151 Needham St.,
 Newton 61, Mass.
- WOO, WENFOO G. (SM'56), Staff Asst., Melpar, Inc., 3000 Arlington Blvd., Falls Church, Va

- WOOD, ALBERT E. (A'54), Sr. Engr., Goodyear Aircraft Coro. Litchfield Park. Ariz
- WOOD, ALBERT E. (M'57), Service Mgr., Iron Fireman Mfg. Co. of Canada, Ltd., 80 Ward St., Toronto 4, Ont.,
- WOOD, ALBERT G. (S'48-A'49-M'55), Sr. Project Engr., Norden Labs, Div., United Aircraft Corp., 121 Westmor-land Ave., White Plains, N. Y.
- WOOD, ALLEN J. (M'59), Engrg. Analyst, GE Co., Schenectady, N. Y
- WOOD, ASHFORD M. (A'57), Owner, Ash M. Wood Co.,
- WOUD, ASHFORD M. (A'57), Owner, Ash M. Wood Co., Box 115B. Arcadia. Calif. WOOD, BARTON C. (S'47-A'48-M'55), Electronics Scientist, Naval Ordnance Lab., Corona, Calif. WOOD, BILLY G. (M'59), Sr. Dev. Engr., Goodyear Aircraft Corp., Litchfield Park, Arig. WOOD, CARLTON E. (A'45-M'55), Transmission Dev. Engr., Kellogg Switchboard & Supply Co., 6000 W.51 St., Chicago 38, III.

- Lagu 38, III.

 WOOD, CHARLES H., JR, (M'57), Engr., Advanced Dev. Westinghouse Elec. Corp., Baltimore, Md.

 WOOD, CHARLES R. (S'52-A'55), Assoc. Engr., Rada Dev., Sperry Gyroscope Co., Great Neck, L.I., N. Y.

 WOOD, CLARENCE R., JR. (M'56), Supvy. Electronics Scientist, U. S. Naval Ordnance Lab., White Oak, Silver Spring, Md.
- WOOD, DELLOS L. (S'57-M'58), Dept. Instr., Elec. Engrg., State Univ. of Iowa, Iowa City, Iowa. WOOD, DONALD H. (S'56-M'5B), Elec. Engr., Gale Prods., Calesburg. III
- WOOD, DUANE O. (A'52-M'57), V.P., Engrg. & Research, Internatl., Lockheed Aircraft Service, Inc., Box 33, Ontario, Calif
- WOOO, EDWARD C. (M'56), Components Engr., IBM, Pough-
- WOOD, EDWARD C. (M'56), Supvr., Reactor Planning, GE Co., Richland, Wash
- WOOD, ELDON E. (A'52-M'57), Engr., Martin Co., Box 179, Denver 1, Colo.
- W000, ELIW, (S'50-A'51-M'56), Project Engr., IBM,
- W000, FRANCIS P. (S'51-A'52-M'55), Assoc. Prof., On Leave of Absence From Seattle Univ., Seattle 22, Wash.; Jesuit Retreat House, Los Altos, Calif.
- Wash; Jesuit Retreat House, Los Altos, Calif, WOOO, FREDERICK B. (S'4B-A'49-M'55), Staff Engr., IBM, Research Lab., San Jose, Calif, WOOO, FREDERICK S. (M'57), Asst. Electronics Engr., Cornell Aeronautical Lab., Inc., 4455 Genesee St., Buffalo 25, N. Y.
- WOOD, G. DONALD (M'56), Mem. Tech. Staff, Controls Systems Div., Ramo-Wooldridge Corp., Box 45534 Air-port Sta., Los Angeles 45, Calif.
- WOOD, G. KENNETH (S'53-A'55), Aerophysics Engr., Convair, Ft. Worth, Tex.
 WOOD, GEORGE C. (A'54), Engr., GE Co., 9 St.,

- WOOD, GEORGE C. (A/S4), Engr., GE Co., 9 St.,
 WOOD, GEORGE D. (A/S2), Research Engr., Staff, Hughes
 Aircraft Co., Culver City, Calif.
 WOOD, GEORGE R., JR. (M/S3), Exec. Engr., Tung-So]
 Electric, Inc., 200 Bloomfield Ave., Bloomfield, N.J.
 WOOD, GEORGE W. (A/S1-SM/S3), Exec. Secy., Comm. on
 Undersea Warfare, Natl. Research Council, 2101 Constitution
 Ave., Washington 25, D.C.
- WOOD, GILLIA J. (A'56), KETA-TV, Transmitter Engr., Oklahoma Educational TV Authority, Box 8631, Oklahoma City, Okla.
 WOOD, GLEN A. (A'56), Test Equipment Dev. Technician, Douglæ Aircraft Co., Tulsa, Okla.
 WOOD, GUV V. (M'48), Regional Electronics Engr., U.S. Forest Service, 630 Sansome St., San Francisco 11, Calif.

- Calif.

 WOOD, HARRIS O. (S'42-A'44-M'50-SM'53), Chief Engr.,
 TV, Philco Corp., C & Tioga Sts., Philadelphia 34, Pa.

 WOOD, HARRISON F. (A'58), 27 Bedford Pl., Ransev. N.J.

 WOOD, HARNISON F. (A'53-M'58), Supvr., Engrg., Machine
 Computations Group, Chance-Vought Aircraft, Box 5907,
 Oallas 22, Tex.

 WOOD, HENRY R.A. (M'55), Div. Mgr., Automatic Telephone
 & Electric Co., Ltd., B Arundel St., London, W.C. 2,
 England.
- & Ere. England
- WOOD, HERBERT H. (M'56), Box 2B2, McMastervIlle, P.Q., Canada. WOOD, HUBBARO L., JR. (S'56-M'57), Capt., USAF, Ground Electronics Maint. Officer, 2nd Shoran Beacon Flight, Langley AFB, Va.

- Ground Electronics Maint. Officer, 2nd Shoran Beacon Flight, Langley AFE, Va.

 WOOD, IRA E. (A'41-M'55), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.

 WOOD. ALBERT J., JR. (A'35-SM'45), Lyme, N.H.

 WOOD, JAMES (M'56), Sr. Project Engr., Racal Engrg., Ltd., Bracknell, Berks., England.

 WOOD, JAMES JR. (M'52), Estimating Engr., NBC, 30 Rockefeller Plaza. New York 20. N.Y.

 WOOD, JAMES JR. (M'58), Engr.-in-Chg., Sylvania Elec. Prods., Inc., Hillsboro, N.H.

 WOOD, JAMES D. (M'57), Equipment Engr., W.L. Maxson Corp., 460 W. 34 St., New York 1, N.Y.

 WOOD, JAMES E. (M'56), Mfrs' Rep., J.E. Wood, 136 Enger Ave., Pittsburgh 14, Pa.

 WOOD, JAMES E., JR. (S'54-M'56), Navigator-Bombardier, USAF. Home: 614 Susouehana St., Johnstown, Pa.

 WOOD, JAMES D. (A'42-M'46), Field Engr., Westinghouse Elec. Corp., 10 High St., Boston 10, Mass.

- Elec. Corp., 10 High St., Boston 10, Mass.
 WOOD, JAMES R. (5'56-M'57), Project Engr., IBM, Kingston, N. Y.
 WOOD, JOHN F. (A'54), Sr. Electronics Engr., Link Aviation Co., Palo Alto, Callí.
 WOOO, JOHN F. (A'53-M'58), Chief Engr., Cartridges, Electro-Voice, Inc., Buchanan, Mich.
 WOOD, JOHN J. (S'51-A-'52-M'58), Tech. Engr., GE Co., Evendale, Ohio.
 WOOD, JOHN R. (S'38-A'52-M'56), Engr., Supvr., Rocketdyne, 6632 Canoga Ave., Canoga Park, Calií.
 WOOD, JOHN R. (A'53-M'55), Sr. Engr., Govt. & Industrial Oiv, Western Oev. Lab., Philico Corp., 3875 Fabian Way, Palo Alto, Calif.
 WOOD, KENNETH E. (M'56), Sr. Electronics Engr., Westinghouse Elec. Corp., Friendship Works, Baltimore, Md.
- WOOD, LAIRD S. (M'58), Instrumentation & Telemetry, Ordnance Mission, Systems Test Div., White Sands Missife Range, N.M.

W00-W00 - 441 -

- WOOD, LYMAN E. (A'50-M'55-SM'59), Aeronautical Research Engr., U.S. Naval Missile Center, Point Mugu, Calif.
- mugur, vaiir.

 WODD, MARC R. (SM'55), Pres., Marc Wood International, Inc.. 30 Rockefeller Plaza. New York 20. N.Y.

 WOOD, MORRIS H. (SM'56), Sales Engr., Mason, Shaver & Rioades, Inc., Irwin R. D. 5, Pa.

 WODD, MYRICK R., JR. (A'53-M'56), Elec. Engr., GE

- WODD, MYRICK K., JR. (A '53-M'56), Elec. Engr., GE Co., Richland. Wash, WOOD, PETER W. (S'56-M'5B), Platon Leader, U.S. Army, 529th Signal Co., Ft. Sill, Okla. WOOD, RABUN M., JR. (S'46-A'4B-M'55-SM'57), Head, Operations Research Dent., Radiation, Inc., Box 6904, Operations Re Orlando, Fia.
- WOOD, RALPH L. (M'54), 203 E. Marshall Dr., Midwest City 1, Okla.
- City 1, Okla.

 WOOD, RAYMOND E. (SM'52), V.P., Engrg., Radio Industries, Inc., 666 Garland Ct., Des Plaines, III.

 WOOD, RICHARD A. (A'52), Electronics Dev. Engr., Magnuson Engrs., 509 Emory St., San Jose, Calif.

 WOOD, RICHARD D. (S'49-A'50-M'56), TV Production Design Engr., Zenith Radio Corp., 6001 Dickens, Chicago 39, III.

- Design Engr., Zentin Radio Corp., 9001 Ditakens, Unicada 39, III.

 WOOD, RICHARD F. (S'58-M'59), Electronics Engr., Philoc Corp., C. & Tioga Sts., Philadelphia, Pa.

 WODD, RICHARD F., JR. (S'48-A'50-SM'55), Elec. Engr., RCA, Moorestown, N.J.

 WOOD, ROBERT E. (S'57-M'58), Jr. Systems Engr., AC Electronics Div., GMC, Box 106, Port Canaveral, Fla.

 WOOD, ROBERT F. (S'542-A'44-M'55), Dev. Engr., GE Co., Syracuse, N.Y.

 WDOD, ROBERT F. (A'59), Dev. Engr., The Franklin Institute, Philadelphia 3, Pa.

 WOOD, ROBERT H. (M'55), V.P. Sales, HI-G, Inc., Bradley Field, Windsor Locks, Conn.

 WOOD, ROBERT H. (A'54), Communications Engr., Advanced Electronics Center, Ge Co., Ithaca, N.Y.

 WOOD, ROBERT J., JR. (S'52-A'53), 7340 Nita Ave., Canoga Park, Calif.

 WOOD, ROBERT M. (M'53), Gen. Mgr., Electronics Div.,

- WOOD , ROBERT M. (M'53), Gen. Mgr., Electronics Div., Z & W Mfg. Corp., 3024D Lakeland Blvd., Wickliffe,
- Ohio.

 WOOD, ROBERT M. (A'55), Plant Mgr., Semiconductor
 Div., Sylvania Elec. Prods., Inc., Woburn, Mass.
 WOOD, ROBERT W. (A'47), Engr., American Broadcasting
 Co., KGO-TV, 277 Golden Gate Ave., San Francisco, Calif.
 WOOD, ROGER D. (A'58), TV. Technician, Western Ontario
 Broadcasting Co., Ltd., B25 Riverside Dr., W., Windsor,
 Ont., Canada.
 WOOD, ROSS (MADO-SMA) Seef Semiconductory.

- Oracocasting Co., Ltu., B23 Riverside Ur., W., Winnsor, Ont., Canada.

 WOOD, ROSS (M40-SM'43), Staff Engr., Raytheon Mfg. Co., 55 Chapel St., Newton 58, Mass.

 WOOD, STANLEY (A'56), Jr. Engr., Radio Receptor Co., 80 N. 5 St., Brooklyn, N.Y.

 WOOD, STEVE P. (S'56-M'58), Assoc. Engr., Filioht Test Instrumentation, Boeing Airplanc Co., Seattle, Wash.

 WOOD, MALTER H. (S'50-M'52-M'5B), Dhysicist, Natl. Bureau of Standards, Washington, D.C.

 WOOD, WALTER H. (S'55-M'56), Physicist, Natl. Bureau of Standards, Washington, D.C.

 WOOD, WALTER W. (S'56-M'57), Antenna Systems Engr., Univ. of Illinois, Urbana, III.

 WOOD, WILFRED H. (M'5B), 32 S. 'B' St., Lake Worth, Fla.

- Fla.
 WOOD, WILLIAM (A'54), Partner, Butler, Wood & Co.,
 139 Young St., Halifax, N.S., Canada.
 WODD, WILLIAM M. (A'54), Pres., Penn Resistor Corp.,
 526 N. Broad St., Lansdale, Pa.
 WOOD, WILLIAM S. (S'49-A'51-M'56), Regional Engr.,
 Carl Hermann Associates, 551 E. Walnut St., Pasadena,
 Calif.

- Calif.
 WODDARD, GERALD F. (S'53-A'55), Test Engr., Hazellne Electronics Corp., Little Neck 62, L.I., N.Y.
 WODDARD, HERBERT L. (A'58), Sales Engr., Allen I.
 Williams Co., 2263 S. Albion St., Denver 22, Colo.
 WDDDARD, TOM A. (M'58), Physicist, United Gas Corp.,
 BO15 St., Vincent Ave., Shreveport, La.
 WODDARD, THOMAS C. (A'45-M'55), Chief Quality Control Engr., Endevco Corp., 161 E. California, Pasadena,
 Calif.

- trol Engr., Endevoc Corp., 161 E. California, Pasaderia, Calif.

 WODDARD, WILLIAM W. (M'53-SM'56), Project Engr., Martin Co., Baltimore 3. Md.

 WODBERY, HUNTER S. (A'57), Electronics Engr., Equipment Engineer., The Chemstrand Corp., Decatur, Ala.

 WODDBIDGE, DUDLEY E. (S'48-A'50-M'55), Sales Mgr., Applied Science Corp. of Princeton, Box 44, Princeton, N.J. MODDBURN, EDGAR S., JR. (S'51-A'54-M'58), Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H. WOODBURY, CHARLES P. (M'51), 54 Roydon Dr., E., Merrick, L.I., N.Y.

 WOODBURY, FRIMA, L. (S'53-A'54-M'57), Project Engr., Andrew Corp., 1D401 W. 143 St., Orland Park, Ill.

 WOODBURY, J. WALTER (S'48-A'51-M'56), Assoc. Prof., Dept. of Physiology & Blophysics, Univ. of Washington, School of Medicine, Seattle 5, Wash.

 WOODBURY, RICHARD. (S'55-A-M'59), 1867 Vassar,

- School of Medicine, Seattle 5, Wash.

 WOODBURY, RICHARD C. (S'56-M'59), 1867 Vassar,
 Mountain View, Calif.

 WOODBURY, W. F. (A'44-M'45-SM'58), Asst. to V.P.,
 Airborne Instrument Lab., Mineola, L.I., N.Y.

 WOODCOCK, CHARLES A. (S'49-A'50-M'55), Engr., GE
 Co., Box 196, Cincinnati 15, Ohio.

 WOODCOCK, EUGENE L. (S'47-A'50-SM'54), Group Leader,
 Electro-Optical Div., Perkin-Elmer Corp., Main Ave.,
 Norwalk, Conn.
- WOODCOCK, SIDNEY J. (M'58), Elec. Engr., USAF, Wright-Patterson AFB, Ohio.
 WOODCOCK, V. E. (A'43-M'53), 123 S. 8road St., Filladel, hia 9, Pa.

- Pilladel, his 9, Pa. .

 WOODED, KEITH M. (S15B-M'56), Engr., Radiation, Inc., Box 37, Melbourne, Fla.

 WOODFILL, WAYNE H. (S'57-M'58), Electronics Engr., Convair-Astronautics, San Diego 11, Callf.

 WOODFORD, JAMES B. JR. (S'46-A'51-M'54-SM'55), Assoc. Prof. & Asst. Head, Elec. Engro. Dept., Carnegle institute of Technology, Pittsburgh 13, Pa.

 WOODFORD, MELVIN J. (M'59), Engr., Western Electric Co., Winston-Salem, N.C.

 WOODHOUSE, G. HARLAN (S'48-A'50-M'58), Electronics Engr., Office of Asst. Industrial Mgr., USN, 2400 11 Ave., S.W., Seattle, Wash.

- WOODIN, E. ALBERT (A'55), Contracting Elec. Engr., ARDE Engro., 75 Austin St., Newark 2, N. J.
 WOODIN, ROY H. (M'56), Sr. Engr., Electron Tube Lab., 1TT Labs., Nutley 10, N. J.
 WOODIWISS, DICK E. (S'56-A'59), Engrg. Writer, Convair-Astronautics, San Diego, Calif.
 WOODKA, CLIFFORD J. (M'56), Research & Dev. Admininstrator, Electronic Components Lab., Directorate of Labs., WADC, Wright-Patterson AFB, Ohio.
- WADC, Wright-Patterson AFB, Ohio.
 WOODLEY, GEORGE V. (S'51-M'56), Engr., Raytheon Mfg.
 Co., Wayland, Mass.
 WOODMAN, BYRON H. (A'55), Instr., Radio College of Canada, 3454 St., Denis St., Montreal, P.Q., Canada.
 WOODMAN, ROBERT A., JR. (S'56-M'5B), Public Service Electric & Gas Co. of New Jersey, BO Park Pl., Newark, N.J.
- WOODMAN, RONALD F. (S'57-M'5B), Student Trainee, Westinghouse Elec. Corp., Ardmore Blvd. & Brinton Rd., Pittsburgh, Pa.

- PILSDUTGII, PA.
 WOODMANSEE, BURYLS. (A'4B-SM'53), Mem. Tech.
 Staff, Bell Tel. Labs., Whippany, N.J.
 WOODRING, ROBERT L. (A'44), Sr. Engr., Litton Industries,
 336 N. Foothill, Beverly Hills, Calif.
 WOODROW, GEORGE V., JR. (M'54-SM'55), Chief Engr.,
 Research & Dev. Dept., Bendix Radio Div., Towson 4,
 Md.
- MO.
 WOODRUFF, ALBERT E. (A'26-VA'39-M'55), Retired,
 350 S. 6th St.. Zionsville, Ind.
 WOODRUFF, DWIGHT L. (A'53), Electronics Sales Engr.,
 Electronic Communications, Inc., 972 Broad St.,
 Newark, N.J.

- Newark, N.J.

 WOODRUFF, MARK J. (S'54-M'56), Mem. Tech. Staff, Hughes Aircraft Co., Culver City, Callf.

 WOODRUFF, MILLARD W. (M'51), Field Engr., Stavid Engr., Inc., Hwy 22, Plainfield, N.J.

 WOODRUFF, RODGER L. (S'48-A'49-M'55), Asst. Chief Engr., KRON-TV, 929 Mission St., San Francisco, Calif.

 WOODRUFF, TOM E. (S'42-A'45-M'55), Chief Engr., Preliminary Design, Sanders Associates, Inc., 95 Canal St., Nashua, N.H.

- St., Nashua, N.H.

 WODDRUN, HOWARD C. (S'58-A'59), Instrument Mech.

 "A' Convair, Ft. Worth, Tex.

 WODDS, ALLEN A. (A'36-VA'39), Sales Engr., Stackpole Carbon Co., St. Mary's, Pa.

 WODDS, BARRY L. (M'56), Sr. Dev. Engr., Control Instrument Co., 67 35 St., Brooklyn 32, N.Y.

 WOODS, CALVIN R. (A'53-M'58), Engr., GE Co.,
 Syracuse, N.Y.

 WOODS, DAVID C. (A'39-M'47), Genl_Engr., WRVA,
 WRVA-TV, WRVA-FM, Larus & Bros. Co., Inc. &
 Richmond Television Corp., Box 2370, Richmond 1B,

 Va.

- Va.

 WOODS, ELVIN L. (A'55), Dept. Head, Aeronutronic Systems, Inc., Newport Beach, Calif.

 WOODS, HIRAM G. (S'55-M'58), Instr., Elec. Engrg., MIssissippi State College, State College, Miss.

 WOODS, HUBERT (A'56), Dir., Research, Portland Cement Association, 5420 Old Orchard Rd., Skokie, Ill.

 WOODS, HUBERT D. (A'50-M'53), Project Engr., Systems Development Corp., 2500 Colorado, Santa Monica, Calif.

 WOODS, KENNETH C. (S'48-A'50), Standardization Engr., Centralab Div., Globe Unio, Inc., 900 E. Keefe Ave., Milwaukee 1, Wis.

 WOODS, LESLIE J. (M'35-SM'43), Exec. V.P., Research
- WOODS, LESLIE J. (M'35-SM'43), Exec. V.P., Research & Engrg., Philco Corp., Tioga & C Sts., Philladelphia 34, Pa.
- ra. WOODS, LOUIS A. (S'56-M'58), Assoc. Engr., Hallamore Electronics Co., 8352 Brookhurst Ave., Anahelm, Calif. WOODS, OLIVER R. (A'45-M'55), Mgr., Scientific Administration, The Upjohn Co., 301 Henrietta St., Kalamazoo 99, Mich.
- WOODS, ROBERT 8. (SM'57), Mgr., Equipment Engrg. Dept., Systems Div., Collins Radio Co., 1200 N. Alma Rd., Richardson, Tex.
 WOODS, ROBERT E. (A'52-M'58), Assoc. Tech. Staff Engr., Sanders Associates, Inc., 95 Canal St., Nashua, N.H.
- N.H.
 WOODS, ROBERT L. (A'57), Electronics Engr., Missile
 Equipment, Packard Bell Electronics, 2341 Michigan
 Ave., Santa Monica, Calif.
 WODDS, ROBERT W. (SM'56), Biophysicist, College of
 Medical Evangelists, Loma Linda, Calif.
 WOODS, T. DEWITT (A'29-VA'39-M'55), V.P., Secy.Treas., Woods Oll & Gas Co., 344 Camp St., New Orleans
 12, La.
 WOODS WILLIAM A. (A'20-VALOR CALIFORNIA ST.)

- WOODS, WILLIAM A. (A'30-VA'39-M'55), Consulting Engr., 772 W. 12, Claremont. Calli. WOODS, WILLIAM C. (M'52), Sr. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- WILLIAM E. (A'52), Engrg. Leader, RCA, Camden
- WOODSIDE, C. SCOTT (SM'57), Box 150, Rte. 2, Warren-
- ton, Va.
 WOODSIDE, GRANT E., JR. (S'50-A'52-M'57), Chief
 Engr., FCC Licensing Procedures, Motorola Communications & Electronics, Inc., 1145–19 St., N.W.,
- Washington 6 , D.C. WODSIDE, WILBUR J. (S'53-A'53-M'58), Project Mgr., Kaiser Aircraft & Electronics, 2222 W. Peoria Ave., Phoenix, Artz.

- Phoenix, Ariz.

 WODSON, HERBERT H. (S'49-A'52-M'57), Asst, Prof., Elec. Engrg., MIT, Cambridge 39, Mass.

 WDODSON, ROBERT D. (S'58-M'59), Jr. Elec. Engr., ITT Labs., Nutley 10, N.J.

 WOODSON, WILLIAM L. (S'48-A'50-M'55), Project Engr., Radioplane Co., BOOO Woodley, Van Muys, Callif.

 WOODSUM, SIDMEY P. (M'56), Research Scientist, Lockheed Missile & Space Div., Palo Alto. Calif.

 WOODWARD, ARTHUR E. (S'51-A'52-M'57), Sr. Dev. Engr., Servo Corp. of America, 2D20 Jericho Tpke., New Hyde Park, L. I., N.Y.

 WOODWARD, SRUCE J. (A'26-VA'39), Test Engr., RCA,

- New Hyde Park , L. I. , N. Y.

 WODWARD , BRUCE J. (A'26-VA'39), Test Engr., RCA , Camden, N.J.

 WODWARD , CARLTON A. , JR. (A'43-SM'46), Engr., Genl. Radio Co., 22 Baker Ave., West Concord , Mass.

 WODWARD , CHARLES E. (M'5B), Staff Assoc., MIT Lincsin Lab., Levington 73, Mass.

 WODDWARD , CHESTER P. (A'49-SM'54), Research Mgr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44. Pa.

- WOODWARD, CLEMENT A. (A'52), V.P., Chg, of Plastics, The Ucinite Co., 459 Watertown, Newtonville 60, Mass. WOODWARD, DONALD E. (M'56), Sr. Engr., Electronic Defense Lab., Sylvania Elec. Prods., Inc., Box 205, Mountain View, Calif.
- moumain view, Lalit,
 WODDWARD, EDWARD O. (A'39-M'55), Consulting
 Engr., 2251 Cranston Dr., Escondido, Calif.
 WODDWARD, GEORGE F. (S'48-A'50-SM'58), Supvr.,
 Systems Analysis & Data Processing, GE Co., Syracuse,
 N.Y.
- N.Y.
 WOODWARD, J. GUY (SM'57), Project Engr., RCA Labs.,
 Princeton, N.J.
 WOODWARD, JASON H. (SM'54), Chief Engr., Genl.
 Communication Co., 677 Beacon St., Boston 15. Mass.
 WOODWARD, JOHN D. (A'36-SM'45), Chief Engr., Airborne
 Systems Dept., RCA, Camden, N.J.
 WOODWARD, JOHN E. (A'5B), RFD 2, Newell Dr., Cumberland, R.I.

- WOODWARD, JOHN E. (A'5B), RFD 2, Newell Dr., Cumberland, R.I.
 WOODWARD, JOSEPH E. (M'47), Sect. Head, Airborne Instrument Lab., Inc., Mineola, L.I., N.Y.
 WODDWARD, MILTON W. (A'41-SM'45), Consulting Engr., Jamestown Star Rte., Boulder, Colo.
 WOODWARD, OAKLEY M., JR. (S'38-A'4D-SM'54), Research Engr., RCA, Princeton, N.J.
 WOODWARD, RACH, E. (A'57), Supvr., Power Tube Test, Varian Associates, 611 Hansen Way, Palo Alto, Callf.
 WOODWARD, RAYMOND W. (SM'53), Retired, Consultant, 41 Middlefield Dr., West Hartford 7, Conn.
 WOODWARD, Pickard & Burss, Inc., 240 Highland Ave., Needham 94, Mass.
 WOODWARD, ROBERT J. (S'54-M'56), Specifications
- WOODWARD, ROBERT J. (S'54-M'56), Specifications Engr., Western Union Telegraph Co., 60 Hudson St., New York, N.Y.

- New York, N.Y.

 WOODWARD, ROYCE O. (A'41-M'55), Owner, Woodward Measurement Lab., Mt. Vernon, Ohlo.

 WOODWARD, WALTER J. (A'53), Electronics Test Supvr., Lockheed Missile & Space Div., Sunnyvale. Callf.

 WOODWARD, WAYNE E. (A'51-M'55), Electronics Engr., USAF, Hars., North Atlantic AACS Region, APO B62, New York, N.Y.

 WOODWARD DAMAD L. (CECT.)
- WOODWORTH, DONALD J. (S'57-M'59), Elec. Engr.

- WOODWORTH, JONALD J. (S'57-M'59), Elec. Engr., GE Co., Ithhaca, N.Y.
 WOODWORTH, FREDERICK B. (A'29-M'36-SM'43), Dir., Chief Engr., Oficina Tecnica Armando Capriles CA, Box 33.72, Caracas, Venezuela, South America.
 WOODWORTH, JDHN D. (M'56), Electronics Design Engr., Convair, San Diego, Calif.
 WOODWORTH, JDHN D. (S'41-A'44-M'55), Electronic Scientist, U.S. Army Signal Research & Development Lab., Belmar, N.J.
 WOODY, FLOYD (A'48), Engr., WNEM-TV Gerity Broadcasting Co., 5700 Becker Rd., Saqinaw, Mich.
 WOODY, MCIVER W. (A'51), Westinghouse Elec. Corp., Box 71, Metuchen, N.J.
 WOODY, MILLIAM C. (S'57-M'59), Dev. Engr., Goodyear Aircraft Corp., Litchfield Park, Arlz.
 WOODYARD, JOHN R. (S'33-A'35-VA'39-M'55), Physicist, Univ. of California Radiation Lab., Berkeley, Calif.
 WOODYARD, ORVILLE C. (M'49), Asst. Dir., Radar Div., Surveillance Dept., U.S. Army Signal Research & Development Lab., F. (Monmouth, N.J.)
- WOOFF, GEORGE F. 8. (M'59), Sales Engr., Phillips Elec. Co., Ltd., 26 Hollinger Rd., Toronto 16, Ont., Canada.
- Canaga.

 WOOLDRIDGE, ALLEN C. (A'30-VA'39-SM'49), Consulting Engr., 65 Randolph Pl., South Orange, N.J.

 WOOLDRIDGE, ARVILLE L. (S'49-A'51-M'56-SM'57), Group Engr., Martin Co., Orlando, Fla.

 WODLDRIDGE, DEAN E. (SM'50-F'54), Pres., The Ramo-Wooldridge Corp., 5500 W. El Segundo Blvd., Los Angeles 45, Calif.

 WOOLDRIDGE ENMADO.
- WOOLDRIDGE, EDWARD J. (M'56), Mgr., Engrg. Services, Bendix Computer Div., 5630 Arbor Vitae, Los Angeles 45,

- Call.

 WODLEVER, HANCE S. (S'57-M'59), Electronics Engr.,
 Hughes Aircraft Co., Culver City, Calif.
 WOOLEY, GEORGE J. (A'54), Electronics Engr., Convair,
 San Diego, Calif.
 WODLEY, ROBERT L. (S'41-A'43-M'49-SM'51), Mgr.,
 Business & Scientific Digital Computers, GE Co., Drawer
 270, Phoenix, Ariz.

- 8usiness & Scientific Digital Computers, GE Co., Drawer 270, Phoenix, Ariz. WOOLF, JULIUS (A'52), Research Electronics, MIT Instrumentation Lab., Cambridge 39, Mass. WOOLFOLK, ROBERT L. (A'52-M'57-SM'58), Sr. Electronics Engr., Temco Aircraft Corp., Garland, Tex. WOOLEST, RALPH S. (A'55-SM'59), Physicist, USN Underwater Sound Lab., New London, Conn. WOOLSEY, ROBERT A. (S'55-M'57), Electronics Engr., Motorola Research Lab., 3102 N. 56 St., Phoenix, Ariz. WOOLSEY, ROBERT J. (M'47), Supvy. Engr., Illinois Bell Tel. Co., 208 W, Washington St., Chicago, Ill. WOOLSEY, SAMUEL W. (A'55-M'57), Supvy. Engr., Electronics Eugliment, Litton Industries, 960 Industrial Rd., San Carlos, Calif. WOOLSEY, WARREN O. (S'55-M'5B), Engr., Martin Co., Driando, Fla. WOOLSTON, J. ROGERS (S'53-M'56), Research Engr., RCA, Princeton, N. J. WOOLUMS, LARRY L. (S'57-A'5B), Electronics Engrg. Technician, Sundstrand Aviation, 2421 11 St., Rockford, Ill

- WOOLVERTON, ROBERT 8, (A'13-M'13-F'15XL), Col., U.S. Army, Retired, 654 12 Ave., San Francisco 1B, Calif.
- Calif.
 WOONTON, GARNET A. (A'40-SM'44-F'51), Chmm.,
 Dept., Physics, Macdonaid Prof., Dir., Eaton Electronics
 Research Lab., McGill Univ., Sherbrooke St., W., Montreal, P.O., Canada.
 WOOSTER, ALDEN F. (A'51-M'56), Suprv. of Communications, Michigan-Wisconsin Pipe Line Co., 500 Griswold
 St., Detroit 26, Mich.

- St., Detroit 26, Mich.

 WOOSTER, WARD H. (A'56), Owner, Mobile Communications, 5928 Greenacre Rd., Toledo 6, Ohio.

 WOOTEN, ALLEN D. (S'49-A'50), Design Specialist.
 Martin Co., Orlando, Fla.

 WOOTEN, JAMES R. (S'53-A'54), Elec. Engr., Sperry-Floeili Co., Bon 2529, Phoenix Ariz

 WOOTEN, LYNN B. (S'49-A'54-M'59), Elec. Engr., RCA, Camden 2, N. J.

- WOOTEN, STANLEY J. (A'58), 5700 Penn Ave., Dayton
- WDOTEN, WILLIAM W., JR. (A'5B), Electronics Technician, Sperry Microwave Electronics Co., Inc., Clear-
- water, Fla.

 WOPAT, JOHN W., JR. (A'5D), Tech. Writer, Army Signal Corps Publications Agency, Ft. Monmouth, N. J.

 WOPPMAN, GEORGE H., (S'51-A'54-M'59), Project Engr., Bendix, Radio Div., Baltimore 4, Md.

 WORAM, JOHN M. (S'57-A'58), Project Engr., Electronatom Corp., 38-30-31 St., Long Island City 6, N. Y.

 WORCESTER, KENNETH P. (SM'57), Electronics Engr., LMED, GE Co., Utica, N. Y.

- WDRCESTER, WILLIS G. (S'51-A'52-SM'56), Exec. Dir., Engrg., Experiment Sta., Univ. of Colorado, Boulder, Colo.
- WDRCH, ALBERT B. (M'58), Mgr., Customer Relations, R-S Electronics Corp., 435 Portage Ave., Palo Alto,
- WORD, JOHN A. (SM'4B), Smith Shire Estates, Andover,
- WORDEN, ARTHUR E. (S'52-A'53-M'58), Engr., Pacific Telephone & Telegraph Co., 509 S.W. Oak St., Portland 2, Ore.
- WORDEN, DAVID W. (SM'5B), Sr. Electronics Engr., Con-vair, Pomona, Calif

- WORDEN, DAVID W. (SM'5B), Sr. Electronics Engr., Convair, Pomona, Calif.
 WORDEN, DONALD M. (S'51-A'53-M'57), District Mgr., Industrial Automation, American Electronics, Inc., 655 W. Washington Blvd., Los Angeles 15, Calif.
 WORDEN, HARVEY E. (S'55-M'57), Assoc. Engr., Lockheed Aircraft Corp., Burbank, Calif.
 WORDEN, HERBERT W. (M'57), Electronics Engr., Natl. Security Agency, Ft. Meade, Md.
 WORDEN, LESLIE E. (A'57), Instr., Radio Engrg. Dept., Tri-State College, Angola, Ind.
 WORNEN, LESLIE E. (A'57), Instr., Radio Engrg. Dept., Tri-State College, Angola, Ind.
 WORNEN, OREN L. (A'54), Staff Mem., Sandia Corp., Sandia Base, Albuquerque, N.M.
 WORK, RAY A., JR. (S'48-A'50-M'58), Mgr., Installation Designs Engrg., RCA, Patrick AFB, Fla.
 WORKS, A. RICHARD (S'48-A'50-M'56), Engr., Raytheon Mgr. Co., Wayland, Mass.
 WORKS, HENRY A. (A'41), Technician, Rose Bros., 3317 Connecticut Ave., N. W., Washington, D.C.
 WORLEY, ALLEN R. (M'53), Lt. Col., USAF, Chief, Maint. Engro. Sect., Sage Project Office, Electronic Defense Systems Div., Air Materiel Command, 220 Church St., New York 13. N. Y.
 WORLEY, EDWARD B., JR. (S'56-M'58), Design Engr., Convair, Ft., Worth, Tex.
 WORLEY, COCARROLL (M'56), 161 Mimosa Way, Menlo Park, Calif.
 WORLEY, ROGER M. (M'56), Electronics Engr., Hgrs., Wright Air Development Center, Wright-Patterson AFB,

- WORLEY, ROGER M. (M'56), Electronics Engr., Hgrs., Wright Air Development Center, Wright-Patterson AFB, Ohio.
- WORLOCK, ROBERT M. (M'5B), Staff Scientist, Electro-Optical Systems, Inc., 170 N. Daisy Ave., Pasadena, Calif.
- WORLTON, DANIEL C. (A'51-M'56), Elec. Engr., GE Co., Hanford Works, Richland, Wash, WORMCKE, WILLIAM (M'56), Mgr., Nidisco-Passaic, Inc., 294 Passaic St., Passaic, N.J. WORMELL, HERBERT T. (M'53-SM'57), Pres., Siemens Edison Swan (Canada), Ltd., 419 Notre Dame Ave., Winnipeg 2, Man., Canada.

- Winnipeg 2, Man., Canada, WORMSER, JOSEPH J. (M'58), Research Engr., Southwest Research Institute, San Antonio, Tex., WORNE, BERNARD E. (M'48), Engr. Supvr., Western Electric Co., Winston-Salem, N.C. WORNOM, ROY G., JR. (S'57-M'59), 301 1/2 E. College Ave., Lompoc, Calif.
- Ave., Lompoc, Calif.

 WOROBEY, EDWARD (S'56-M'5B), Design Engr., data
 Systems Operation, Sylvania Elec. Prods., Inc., 189
 B St., Needliam 94, Mass
 WORONOWICZ, ERAZM M. (M'5B), Oev. Engr., Motorola,
 Inc., 4545 W. Augusta Blvd., Chicago 57, Ill.
 WORRALL, JOHN W. (M'5B), Sr., Research Facilities Engr.,
 No. Amer. Aviation, Internati. Airport, Los Angeles 45,
 Calif.

- Call .

 WORRELL, EDSEL A. (S'48-A'50-M'55), Sr. Engr., Westinghouse Elec. Corp., Box 1897, Baltimore 3, Md. WORSHAM, ROBERT E. (A'58), Elec. Engr., Union Carbide Nuclear Co., ORNL, Oak Ridge, Tenn.

 WORSLEY, CHARLES C. (A'53), Engr., Rixon Electronics, Inc., 2414 Reedie Dr., Silver Spring, Md.

 WORSLEY, GUY (SM'56), Group Supvr., & Mem., of Principal Staff, Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md.
- Spring, Md.

 WORSTER, JOHN R. (A'45-M'55), Elec. Engr., Westing-house Elec. Corp., Sunnyvale, Calif.

 WORTH, FRANZ L. (A'55), Instr., Dept., of Elec. Engrg.,
 Univ. of Southern California, Los Angeles 7, Calif.

 WORTH, GERALD E. (S'55-M'57), Production Engr.,
 Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto,
 Calif.
- WORTH, WILLIAM G., JR. (SM'58), Sr. Project Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9,
- WORTHEN, CHARLES E. (A'28-M'34-SM'43), Publicity Mgr., Genl. Radio Co., 22 Baker Ave., West Concord,
- WORTHEN, GEORGE B. (A'45-M'55), Sr. Project Engr., Western Union Telegraph Co., 60 Hudson St., New York 13, N.Y.
- WORTHEN, KENT J. (S'49-A'50-M'52), Mgr., Microwave Prod. Planning, GE Co., Charles Bldg. Annex, Old Liver-pool Rd., Liverpool, N.Y.

- pool Rd., Liverpool, N.Y.

 WORTHING, FRANCIS L. (S'56-A'57), Tech. Asst., Bell
 Tel. Labs., Murray Hill, N.J.

 WORTHINGTON, DONALD T. (A'48-M'55), Electronics
 Engr., Rome Air Development Center, Griffiss AFB.N.Y.

 WORTHINGTON, FRANK M. (S'57-M'58), Mem.,
 Bell Tel. Labs., 463 West St., New York, N.Y.

 WORTHINGTON, JOHN H. (A'53), Special Systems Rep.,
 IBM, 425 Park Ave., New York, N.Y.

 WORTHINGTON, JOHN W. JR. (A'47-M'53-SM'55),
 Electronics Engr., USAF, Ground Electronics Engro.,
 Installation Agency, Griffiss AFB, N.Y.

 WORTHINGTON, ROBERT L. (A'55), Project Engr.,
- WORTHINGTON, ROBERT L. (A'55), Project Engr., Bendix Aviation Corp., Teterboro, N.J.

- WORTHY, NEIL M. (SM'59), Project Mgr., Electrodata Div., Burroughs Corp., 460 Sierra Madre VIIIa, Pasadena, Calif.
- WOS, JOHN (A'58), Field Engr., Field Engrg. for Natl. Scientific Labs., 2010 Massachusetts Ave., Washington 6, D.C.
- Scientific Lass., 2010 Massachusetts Ave., Washington 6, D.C.

 WOSTER, STANLEY H., JR. (S'5D-A'51-M'56), Sr. Engr., Elec., Electronics Flight Test & Research Engr., Douglas Aircraft Co., 30DD Ocean Park Blvd., Santa Monica, Calif.

 WOTT, HARDLD W. (A'55), Radar Technician, Dept. of the Army. Frie Ordnance Depox, Port Clinton, Ohio.

 WOTTON, ROLAND C. (A'54), Engrg. Alde, Bendix Aviation Corp., Teterboro, N.J.

 WOUK, VICTOR (M'46), V.P., In-Chg., Engrg., Sorensen & Co., Inc., Richards Ave., S. Norwalk. Conn.

 WOUTERS, ARTHUR P. (S'55-A'56), ETC-C/O USCG, Elec. Engrg., Sta., Wildwood, N.J.

 WOZENCRATT, JOHN M. (S'51-A'52-M'57-SM'57), Asst. Prof., MIT, Cambridge 39, Mass.

 WOZNIAK, ADOLPH J. (A'51-M'56-M'58), Project Engr., Thompson-Ramo-Wooldridge, Inc., 2196 Clarkwood Rd., Cleveland J., Disc. Phio.

- WOZNIAK, JOSEPH R. (A'56), Equipment Specialist Engr., RCA Service Co., 4374 E. Speedway, Tucson, Ariz.
- WOZNIAK, LOUIS M. (M'58), Sr. Designer, Instruments for Industry, Inc., 101 New South Rd., Hicksville, L.I.,
- WRAY, DONALD G. (S'57-A'57), Tech. Asst., Engrg Dept., Canadian Natl. Telegraphs, 151 Front St., Toronto, Ont., Canada.
- WRAY, PHILLIP G. (A'53-M'59), Chief. Prod. Research Dept., Teletype Corp., 1400 Wrightwood, Chicago 14, III.
- WRAY, WILLIAM C. (SM'57), Mgr., Special Prods. Sect. of Systems Dept., Motorola, inc., 4501 W. Augusta, Chicago 51, III.
- WREDE, DENNIS F. (M'48), Sr. Engr., Standard Telephones & Cables, Ltd., Oakleigh Rd., New Southgate, London, N. 11, England.
- 11, England.

 WREN, ARTEMUS W., JR. (A'54), Staff Engr., RamoWooldridge Corp., Patrick AFB, Fla.
- WREN, WILLIAM M. (S'5B-A'59), Seaside Ave., Westbrook,
- WRENCH, RICHARD G. (A'56), Assoc. Engr. & Supvr., Hughes Aircraft Co., Culver City, Calif, WRESTLER, GEORGE R. (S'53-M'57), Assoc. Engr., Douglas Aircraft Co., 3000 Ocean Park Blvd., Los Angeles, C. Uff.
- Doug! Calif
- WRIGHT, ALFRED K. (A'37-SM'45), V.P., Operations & Engrg., Tung-Sol Electric, Inc., 95 8 Ave., Newark, N.J.
- WRIGHT, ANTONY (M'49), 751 W. Flagier St., Miami

- 36, Fla.

 WRIGHT, BLAKE SLEE D. (M'55), Dev. Engr., Raytheon Mfg. Co., Newton, Mass.

 WRIGHT, BOGER (SM'54), Research Engr., Lockheed Missile & Space Div., Palo Alto, Callf.

 WRIGHT, C. ROBERT (S'43-A'49-M'55), Electronics Engr., Natl. Aviation Facilities Experimental Center, FAA, Atlantic City, N.J.

 WRIGHT, CHARLES J., JR. (SM'58), Dev. Engr., Western Electric Co., Cape Canaveral, Fla.
- WRIGHT, CHARLES J., JR. (SM*58), Dev. Engr., Western Electric Co., Cape Canaveral, Fla. WRIGHT, CHARLES P., JR. (S'50-A'51-M'57), Elec. Engr., Communications, Electric Service Co., 3825 Stoneway, Seattle 99, Wash.
 WRIGHT, CHARLES S. (S'47-A'50-M'56-SM'56), Partner, A. D. Ring & Associates, 1032 Pennsylvania Bidg., Washington, D.C. WRIGHT, DELMAR (A'31-VA'39-M'55), Engr., Santa Barbara Research Center, Airport, Goleta, Calif.

- Barbara Research Center, Airport, Goleta, Calif, WRIGHT, DONALD F. (M'47), Advisory Engr., Electronics Div., Canadian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont., Canada.
- Hamilton, Ont., Canada.
 WRIGHT, DONALD M. (A'55), Area Maint. Engr., Upjohn
 Co., Kalamazoo, Mich.
 WRIGHT, DONALD S. (A'50-M'55), Chief Inspector,
 Electron Tubes, Bendix Aviation Corp., Eatontown, N.J.
 WRIGHT, DORILL B. (M'56), Head, Shore & Field Engrg.
 Branch, Pacific Missile Range, Désign Branch, U. S.
 Navy Missile Center, Point Mugu, Calif.
 WRIGHT, EDMUND T. J.R. (S'56-M'58), 2084 Neil
 Ave., Columbus 1, Ohio.
- WRIGHT, EDWARD A. (M'58), 4817 Harlou Dr., Dayton 32, Ohio.
- 92, Ohio.
 WRIGHT, EDWIN B. (M'56), Supvy. Engr., Westinghouse
 Elec. Corp., Box 10596, Pittsburgh 35, Pa.
 WRIGHT, ESTES C. (M'45), Electronics & Sound Engr.,
 Moody Institute of Science, 11428 Santa Monica Blvd.,
 Los Angeles 25, Calif.
- Los Angeles 25, Calli.
 WRIGHT, FREDE. (A'57), Owner, L.I. Radio Co., 8309
 Lockheed St., Houston 17, Tex.
 WRIGHT, FREDE. (A'57), 1101-11 W. Armitage Ave.,
 Chicago 14, III.
 WRIGHT, H. DUDLEY (SM'56), Pres., Wright Engrg. Co.,
 180 Callifornia St., Pres., Endevco Corp., 161 E. California St., Pasadena, Calif.

- ifornia St., Pasadena, Calif.
 WRIGHT, HAROLD B. (A'58), Sr. Electronics Technician,
 Hughes Aircraft Co., Culver Crty, Calif.
 WRIGHT, HOWARD E. (S'55-M'56), Engr., GE Co.,
 Lakeside Ave., Burlington, Vt.
 WRIGHT, HOWARD E. (S'55-M'56), 2340 W. King,
 Kokomo, Ind.
 WRIGHT, J. CULLEN (S'48-A'50-M'58), Elec. Engr., Sperry
 Microwave Electronics Co., Clearwater, Fla.
 WRIGHT, J., HOWARO (A'41-M'52), Project Engr., Analog
 Systems Sect., Natl. Bureau of Standards, Washington 25,
 D.C.

- D.C.
 WRIGHT, JACK L. (A'56), Asst. Geophysicist, Humble Oil & Refining Co., Box 2180, Houston 1, Tex.
 WRIGHT, JAMES B. (A'55), Pres., Mohawk Valley Television, Inc., Athol, Mass.
 WRIGHT, JAMES B. (S'58-M'59), Staff Mem., Sandia Com., Box 969, Livermore, Calif.
 WRIGHT, JAMES M. (S'55-M'57), Research Engr., Boeing Airplane Co., Seattle, Wash.
 WRIGHT, JAMES T. (S'55-M'57), Assoc. Engr., Research, Lockheed Aircraft Corp., 2555 N. Hollywood Blvd., Burbank, Calif.

- WRIGHT, JAY W. (A'42-SM'44-F'58), Pres., Radio Service Corp. of Utah, 145 Social Hall Ave., Salt Lake City 11, Utah.
- WRIGHT, JEROME E. (M'58), Design Engr., RCA, Somer-ville, N.J.
- ville, N.J. WRIGHT, JOHN A. (M'5B), Project Engr., Burroughs Research Center, Paoli, Pa.
- WRIGHT, JULIAN R. (M'55), Research Engr., Defense Research Lab., Univ. of Texas, 500 E. 24, Austin, Tex. WRIGHT, KENNETH F. (M'57), Engr., Collins Radio Co., 2616 E. Broadway, Tucson, Ariz.
- WRIGHT, LEARY L. (S'\$7-M'\$B), Elec. Engr., Texas
 Eastern Transport Corp., Box 1795, Shreveport. La.
 WRIGHT, M. LATTIMER (S'56-M'\$B), Elec. Engr., Alrborne
 instrument Lab., Mineola, L.I., N.Y.
 WRIGHT, MAURICE E. (S'54-M'\$5), Supvy. Electronics
 Project Engr., Air Navigation Facilities Div., FAA, Box
 440, Anchorage, Alaska.
- WRIGHT, MERRILL W. (M'57), V.P. & Genl. Mgr., G.F. Wright Steel & Wire Co., 243 Stafford St., Worcester 3, Mass.
- WRIGHT, MOSES E., III (S'51-A'53-M'5B), Sr. Receiving Tube Engr., CBS-Hytron, Kent St., Newburyport, Mass. WRIGHT, OMER N. (A'43), Transmitter Engr., KSBW-TV, 23B John St., Salinas, Calif.
- ZJBJJOhn St., Salinas, Calif.
 WRIGHT, OTIS L. (A'43-M'46), 3163 44 PI., Sandia
 Branch, Albuquerque, N.M.
 WRIGHT, PAUL B. (S'34-A'40), Staff Supw., Pacific
 Telephone & Telegraph Co., 740 S. Olive St., Los
 Angeles 55, Calif.

- Angeles 55, Calif.

 WRIGHT, PAUL H. (A'50), 2220 Utah St., N.E.,
 Albuquerque, N.M.

 WRIGHT, PAUL W. (S'53-A'54), Engr., Sperry Piedmont
 Co., Hydraulic Rd., & Hwy. 29, Charlottesville, Va.

 WRIGHT, PHILIP H. (M'59), Project Engr., Empire Devices,
 Inc., 37 Prospect St., Amsterdam, N.Y.

 WRIGHT, R.B. (A'39-WA'39-M'55), Natl. Bureau of
 Standards, Washington 25, D.C.

 WRIGHT, R. BYRON, JR. (M'56), Logical Design Engr.,
 GE Co., 951 Commercial St., Palo Alto, Calif.

 WRIGHT, RALPH R. (A'41-M'44-A'45-M'51), Prof., Elec.
 Engrg., Virginia Polytechnic Institute, Blacksburg, Va.

 WRIGHT, RICHARD E. (M'54), Design Engr., J.E. Greiner
 Co., Consulting Engrs., 1106 N. Charles St., Baltimore 1,
 Md.
- WRIGHT, ROBERT B. (A'54), Sr. Field Service Rep., GE
- WRIGHT, RUBERT E., CS-2-A-53-M-58), Sr. Engr., The Teleresister Corp., A45 Fairfield Ave., Stamford, Conn. WRIGHT, ROBERT K. (S-52-A-53), Capt., USAF, American Embassy, Paris, France.

 MAIGAD, Patent Atty., 110 Mayro
- Bidq., Utica, N.Y.
 WRIGHT, ROLAND (SM'58), Tech. Officer, Dept. Natl.
 Defence, Air Materiel Command Hgrs., Rockcliffe,
 Ottawa, Ont., Canada.
- WRIGHT, ROWLAND G., JR. (A'54), Tech. Asst., IBM,
- WRIGHT, ROWLAND G., JR. (A'54), 1ech. Asst., 18m, Poughkeepsie, N.Y.
 WRIGHT, SHERRELL L. (S'55-A'55), Sr. Engr., Philod
 Corp., 4700 Wissahickon Ave., Philadelphia, Pa.
 WRIGHT, STEPHEN E. (S'4B-A'51-M'56), Sr. Programm
 Remington Rand, 315 4 Ave., New York 10, N.Y. WRIGHT, THOMAS A., JR. (A'46-M'55), Partner, A. Earl Cullum, Jr., Consulting Engrs., Inwood Post Office, Dallas, Tex.
- WRIGHT, THOMAS C. (S'50-A'51-M'57), Dev. Engr., Terminal Equipment Engrg., GE Co., Syracuse, N.Y. WRIGHT, THOMAS O. (S'54-M'56), Apprentice Engr., Western Union Telegraph Co., 230 S.11 St., Philadel-phia, Pa.
- prina, Pa.
 WRIGHT, THOMAS R. (M'5B), Box B2B, Cocoa Beach, Fla.
 WRIGHT, TRUMAN E. (M'55), Supuy, Electronics Engr.,
 FAA, FAA Aeronautical Center, Oklahoma City, Okla.
 WRIGHT, W. WHITTIER (S'44-A'4B-M'55), Special Research Physicist, Engra, Experiment Sta., Georgia Institute of Technology, Atlanta, Ca.
- of Technology, Atlanta, Ga.

 WRIGHT, WAYNE E. (A'S4), District Sales Mgr., Computer Dept., GE Co., 7235 Wisconsin Ave., Bethesda 14, Md., WRIGHT, WILBUR D. (S'57-M'59), Test Enpr., McDonnell Aircraft Corp., Box 516, Lambert Field, St. Louis, Mo. WRIGHT, WILLARD E. (S'50-A'51-M'56), Research Engr., Boeing Airplane Co., Box 3707, Seattle 24, Wash. WRIGHT, WILLIAM F. (M'54), Pres., Wright Instruments, Inc., 1020 Front St., Vestal, N.Y. WRIGHT, WILLIAM L. (A'55), Enpr., Westinghouse Elec. Corp., Box 10596, Pittsburgh 35, Pa.

 WRIGHT, WILLIAM V. (S'55-M'56), Mgr., Solid State Div., Electro Dokical Systems, Inc., 3016 E. Foothill Blvd., Pasadena, Calif.

 WRIGHT, WILLIE W., JR., (S'55-M'55), Customer Engr.

- WRIGHT, WILLIE W., JR. (S'55-M'55), Customer Engr., IBM, Jackson, Miss. WRIGHT, WINDSOR D. (SM'56), Sr. Elec. Engr., Raytheon Mfg. Co., Bedford, Mass.
- WRIGLEY, WILLIAM B. (S'48-A'51-M'56-SM'56), Research Engr., Engrg. Experiment Sta., Georgia Institute of Technology, Atlanta, Ga.
- WRINN, EDWARD C., JR. (M'56), Elec. Engr., U. S., Plastic Molding Corp., Carlton St., Wallingford, Conn. WRISLEY, JOHN C. (4°50), Radio Engr., WTVR, WMBG, WCOD, Havens & Martin, Inc., 3301 W. Broad St., Rich-mond. J.
- mond, Va., WRITER, JOHN D. (M'56), Rep., Countermeasures Div., Sperry Gyroscope Co., 118 W. 1st St., Dayton 2, Ohio. WRITER, PHILIP L. (M'59), Elec. Engr., Litton Industries, 10916 W. Washington Blvd., Culver City, Calif. WROBEL, RICHARD E. (S'55-M'57), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. WROBLEWSKI, EDWARD J. (A'57), Dev. Engr., IBM, Populphkeepsie N.Y.
- Poughkeepsie, N.Y.

 WROBLEWSKI, THEODORE (A'50-SM'55), Mgr., Engrg.,
 Cubiania Flac Prods. Inc., Estes St., Ipswich, Mass. Sylvania Elec . Prods. , Inc., Estes St. , Inswich, Mass. WRUBLEWSKI, MELVIN (M'55), Electronics Scientist, Computing Lab., Ballistic Research Labs., Aberdeen Province and Md. Md.
- WRYE, W. CHESTER, JR. (M'55), Owner, Wrye Co., Ltd., 2410 W. Alabama, Houston, Tex.
- 2410 W. Alabama, Houston, Tex. WRYE, WILLIAM F., JR. (M'54), Genl. Mgr., Tri-State Communication System, 7209 Montgomery Rd., Cincinnati 36, Ohio.
- WU, HENRY H. (S'51-A'53-M'58), District Engr., Poly-phase Instrument Co., Bridgeport, Pa.

- WU, PEIGFENG (S'57-M'59), Assoc. Engr., 18M, New Circle Rd., Lexington, Ky. WU, ROBERT S. (S'53-A'54), c/o B. Y. Choy, Wyler Textile, Ltd., 8 Kivel Chow St., Kowloon, Hong Kong. WU, WILLIAM I. L. (S'35-A'43-SM'51), Chief Engr., Panoramic Radio Prods., Inc., 520 S. Fulton Ave., Mount Vernon , N .Y .
- Vernon, N.Y.

 WUERFFEL, HERMAN L. (SM'56), Mgr., Reliability
 Analysis & Measurements Engrg., RCA, Camden, N.J.

 WUERTENBERG, WILLIAM E. (A'58), Television Engr.,
 Supvy., U.S. Signal Corps., Walter Reed Army Medical
 Center, 6825-16 St., N.W., Washington 12, D.C.

 WUGALTER, SOLOMON S. (A'57), Staff Assoc. Tech.
 Writer, Sandia Corp., Sandia Base, Albuquerque, N.M.

 WUKASCH, EARL O. (M'56), Elec. Engr., Electro Mechanics Co., 804 Westlake Dr., Austin, Tex.

 WULFE, RAYMOND F. (S'51-A'52-M'56), Dir., Southwestern Engrg. Div., Telechrome Mfg. Corp., 28 Ranick
 Dr., Amityville, L.I., N.Y.

- Western Engly 101. Telectronics may cook of the Cook Alroort, Indigville, L. I., N.Y.

 WULFEKUHL, ROBERT J. (5'54-M'56), Electronics Engr., FAA, Tech. Development Center, Welr Cook Alroort, Indianapolls, Ind.

 WULFF, FRED A. (5'55-M'58), Communications Officer, USMC, 3rd Marine Div., FMF Pacific.

 WULFF, J. JEPSON (A'59), Sr. Research Scientist, Psychological Research Associates, Inc.; Home: 507 18 St., S., Arlington 2, Va.

 WULFF, LEO H. (A'54), Field Engr., Tektronix, Inc., 724 York Rd., Towson 4, Md.

 WULFF, EC H. (A'64), Field Engr., Tektronix, Inc., 724 York Rd., Towson 4, Md.

 WULFSERG, ARTHUR H. (S'41-A'44-M'46-SM'50), Asst. Dir., Research & Dev., Collins Radio Co., Cedar Rapids, Jowa.

 WULFSERG, ARTHUR H. (S'41-A'49-M'55), Electronics
- WULFSBERG, KARL N. (S'47-A'49-M'55), Electronics Engr., AF Cambridge Research Center, Hanscom Field,
- WULFSBERG, PAUL G (S'40-A'41-SM'46), Asst. Dir., Research & Dev., Collins Radio Co., Cedar Rapids, Iowa. WULKAN, ALFRED A. (A'53), Sr. Research Engr., Ministry of Defence, Scientific Dept., Box 7063, Hakirya,

- Ministry of Defence, Scientific Desk., Dok 1997, Tel-Aviv, Israel.

 WULLERT, JOHN R. (SM'57), Electronics Scientist, Naval Air Development Center, Johnsville, Pa.

 WULLIMAN, JAMES C. (A'51), Chief Engr., WMVS-TV, Milwaukee Vocational & Adult Schools, 1015 N. 6 St., Milwaukee 3, Wis.

- Milwaukee 3, Wis.

 WUNCH, EDWARD R. P. (S'56-M'58), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N. J.

 WUNDERLEY, ROBERT H. (S'49-A'52-M'58), Project Engr., Engrg., Research & Dev. Lab., Ft. Belvoir, Va.

 WUNDERLICH, FRANCIS J. (S'53-M'57), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif.

 WUNDERLICH, GEORGE F. (SM'53), V. P., Genl. Mgr., Eitel-McCullough, Inc., 798 San Mateo Ave., San Bruno, Calif.
- WUNDERLICH, LOUIS J. (S'50-A'51-M'58), Project Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz. WUNDERLICH, NORMAN E. (M'49), Owner, Wunderlich Radio Co., 105 N. Kenilworth Ave., Oak Park, III. WUNDERMAN, IRWIN (S'51-A'53-5M'59), Transistor, Circuit Dev. Engr., Hewlett-Packard Co., 275 Page Mill Rd., Palo Alto, Calif.

- Rd., Palo Alto, Calit WUNDT, ROLF M. (SM'57), Sr. Engrg. Specialist, Syl-vana Elec. Prods., Inc., Waltham, Mass. WUORINEN, JOHN H., JR. (S'53-M'57), Instr., Elec Engrg., Columbia Univ., New York, N. Y.
- WURDEMANN, WILLIAM H., JR. (SM'56), U.S. Army, G-3, Hgrs. USASTC, Ft. Gordon, Ga.
 WURDINGER, EUGENE D. (M'59), Electronics Engr., GE
- Syracuse, N.
- Co., Syracuse, N.Y.
 WIRMAN, GUSTAVE (S'48-A'50-M'55), Sr. Electronics
 Engr., Fairchild Astrionics Div., Wyandanch, L. I., N.Y.
 WIRST, JOHN W. (M'58), Sr. Engr., Haller, Raymond &
 Brown, Inc., Circleville Rd., State College, Pa.
 WURSTER, DONALD E. (S'56-M'56), Systems Engr.,
 Balley Meter Co., 29801 Euclid Ave., Wickliffe, Ohio.
- WURTHEMANN, GUNTHER E. (A'53), Elec Engr., 8endix Aviation Corp., Eatontown, N.J.
- WURTZ, JAMES N. (S'57-A'59), 472 Main St., Owego, N.Y.
- WUZZBURGER, RICHARD R. (M'56), Sr. Design Engr., Convair-Astronautics, 5001 N. Kearny Villa Rd., San Diego, Calif.
- WUSTER, WALTER L. (A'54), Tech. Consultant, U.S. Naval Avionics Facility, 21 St. & Arlington Ave., Indian-apolis 18, Ind.
- ayolis 18, Ind.

 WYAND, DAVID L. (S'53-M'57), Field Engr., Eitel-Mc-Cullough, 301 Industrial Rd., San Carlos, Calif.

 WYANT, ALFRED E. (S'56-M'58), Elec. Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.

 WYATT, CLAIR L. (S'54-M'55), Zold Lt., USAF, 7th

 Weather Group, APO 942, Seattle, Wash.

 WYATT, JAMES C. (S'56-M'57), Staff Mem., Sandia

 Corp., Sandia Base, Albuquerque, N. M.

 WYATT, KENNETT S. (A'53), Engr., Cables, Phelos

 Dodge Copper Prods. Corp., 300 Park Ave., New York 22,

 N. Y.

 WYATT, THOMAS E. (A'57)

- N.Y.
 WYATT, THOMAS E. (A'57), Chief Engr., CH8C-TV-1-2,
 342 Leon Ave., Kelowna, B.C., Canada.
 WYATT, WALTER C. (S'49-A'50), Tech. Specialist,
 Robertshaw-Fulton Controls Co., Western Research Center,
 1601 S. Manchester Ave., Anaheim, Calif.
- WYBLE, JERRY J. (S'53-M'56), Engr., Westinghouse Elec. Corp., Box 746, Balthmore 3, Md. WYBRANDS, DAREL R. (A'45-M'46), Jr. Engr., Rating Lab., Semiconductors & Materials Div., RCA, Rte. 202, Somerville, N.J.

- Carry Semiconductors & Materials DIV., RCA, Rte. 202, Somerville, N.J.
 WYBROW, ERIC (A'50-M'50-SM'54), Sound Engr. & Tech. Advisor, Various Motion Picture Studios, 20435
 Dunleer Dr., Los Angeles 64, Calif.
 WYCHOR, WALTER (S'54-A'55), Project Engr., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.
 WYCHORSKI, HENRY J. (S'57-M'58), Electronics Engr., Nuclear Prods., Erco Div., Riverdale, Md.
 WYCKOFF, PETER H. (M'46), Chief Aerophysics Lab., Air Force Cambridge Research Center, Hanscom Field, Mass.
 WYCKOFF, RALPH D. (M'29-SM'43-F'55), Olr., Instrument Oev. Div., Gulf Research & Development Co., Box 2033, Pittsburgh 30, Pa.

- WYCKOFF, ROBERT L. (M'56), Sect. Mgr., Raytheon Mfg. Co., Wayland, Mass.
- WYCKOFF, ROBERT L. (M'56), Sect. Mgr., Rayureon Mfg. Co., Wayland , Mass.
 WYCOFF, KEITH H. (S'46-4'48-M'55), Pres., Plectron Corp., Overton, Neb.
 WYDRO, WALTER S. (A'53), Electronics Engr., Apolled Science Corp. of Princeton, Box 44, Princeton, N. J.
 WYE, ROGER E. (S'50-A'51-M'57), Sect. Mgr., Philco Corp., 3875 Fabian Way, Palo Alto, Calli.
 WYETH, FRANCIS H. (A'39-M'55), Sect. Head, Lab. & Govt. Sect. Apolication Engr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa.
 WYKE, ALBERT A. (M'54), Engr., Datamatic Corp., 151 Needham St., Newton, Mass.
 WYKSTRA, EDWARD A. (S'57-M'59), Electronics Engr., RCA, Camden, N.J.
 WYLAND, G. P. (A'43-M'48-SM'54), Asst. Mgr., Tech. Operations, C8S, Television City, Los Angeles, Callf.
 WYLOE, RONALD J. (SM'55), Head, Instrumentation Oiv., U. S. Naval Engrg. Experiment Sta., Anamaolis, Md. WYLDE, WILLIAM N. (M'54), Project Engr., Allen B.

- U. S. Naval Engrg. Experiment Sta., Annapolis, Md. WYLDE, WILLIAM N. (M'S4), Project Engr., Allen B. DuMont Labs., Inc., 35 Market St.. East Paterson. N.J. WYLE, HENRY (S'56-M'57), Design Engr., Ford instrumen Co., 31-10 Thomson Ave., Long Island City 1. N.Y. WYLEN, JOSEPH (S'48-A'51-M'56), Mgr., Equipment Dev., Auerbach Electronics Corn., 109 N. Essex St., Marberth, Pa.
- Marberth, Pa.

 WYLER, EUGENE N. (M'56), Asst. Div. Chief, Electronics
 Rellability Div., Battelle Memorial Institute, 505 King
 Ave., Columbus, Ohio.

 WYLEFS DAVID G. (A'20-M'23-SM'43), Genl. Secy.,
 Australian Inland Mission, 44 Margaret St., Sydney,
 N.S.W., Australia.
- WYLIE, ALEXANDER (A'55), WO 1/C Transmitter Site, Alberta Signal Squadron, R. C. Signals, Griesbach, Alta.,
- Canaga. WYLIE JACK A. (M'59), Application Engr., Thompson-Ramo-Wooldridge, Inc., 207 Hindry Ave., Inglewood, Calif. WYLIE, JAMES E. (A'52-M'54), Sr. Engr., Plant Extension, Southwestern Beil Tel. Co., 900 W. Capitol, Little Rock,

- Ark.
 WYLIE , JAMES R. (S'53-A'54), Circuit Dev. Engr.,
 Leich Electric Co., Genoa, III.
 WYLIE , LOUIS (A'56), Electronics Engr., H. A. Wagner
 Co., 14707 Keswick St., Van Nuys, Calif.
 WYLIE , PAUL A., JR. (S'56-M'58), Assoc. Engr.,
 Northrop Aircraft, Inc., Hawthorne, Calif.
 WYLIE , THOMAS F., JR. (S'49-A'51-M'57), Supvr.,
 Marine Test Sect., Ford Instrument Co., 31-10 Thomson
 Ave., Long Island City 1, N.Y.
 WYLLIE , CHARLES E. (S'56-M'57), Evaluation Engr.,
 Aero Div., Minneapolis-Honeywell Regulator Co., 2600
 Ridgeway Rd., Minneapolis 13, Minn.
 WYLLIE WILLIAM W. (M'58), Engr., Prod. Rellability.

- Ridgeway Rd., Minneapolis 13, Minn.
 WYLLIE, WILLIAM W. (M'58), Engr., Prod. Reliability,
 Hubhes Aircraft Co., Culver City, Calif.
 WYMAN, BRUCE D. (M'57), Engr., Circuit Design. StrombergCarison Co., 1400 N. Goodman St., Rochester 9, N.Y.
 WYMAN, FREDERICK E. (M'58), Electronics Scientist,
 Naval Research Lab., Washington 25, D.C.
- Naval Research Lab., Washington 25, D.C.
 WYMAN, JOHN H. (SM'53), Chief Engr., Bendix Aviation
 Coro., Eatontown, N.J.
 WYMAN, RAYMONO C. (A'47-M'49), Electronics Engr.,
 1809 Tilton Dr., Silver Spring, Md.
 WYMAN, ROBERT H. (S'57-M'58), Instr., Purdue Univ.,
 West Lafayette, Ind.

- West Lafayette, Ind.
 WYMORE, ROBERT H. (S'50-A'52-M'58), Electronics
 Engr., Pacific Missile Range, Point Muqu, Calif.
 WYNHOFF, F. JAMES (S'49-A'53-M'58), Chief Dev.
 Engr., Telemetering Corp. of America, 8345 Hayvenhurst
 Ave., Sepulveda, Calif.
- Ave., Sepuiveda, Calif.

 WYNN, JAMES B., JR. (A'49-M'53), Electronics Instrumentation Engr., USN, Bureau of Ordnance, Fleet Ballistic
 Missile Project Office, Patrick AF8, Fla.

 WYNN, ROWLAND T. B. (SM'53), Chief Engr., British
 Broadcasting Corp., Broadcasting House, London, W. 1,
 England.
- WYNNE, WALTER M. (A'24-VA'39)(L), Cmdr., USN, Retired, 160 Park Ave., Elberon, N.J. & Adj. Prof., Polytechnic Institute of Brooklyn, 333 Jay St., Brook-
- WYNNE , JAMES J. (A'57), Design & Dev. Engr., RCA,

- Camden, N.J.
 WYNNE, JOSEPH J. (A'55), Eastern Regional Mgr.,
 Dalmo Victor Co. Div., Textron, Inc., 821 15 St.,
 Washington 5, D.C.
 WYNNE, MAURICE P. (M'59), Chief Engr., KLFY-TV,
 Camellia Broadcasting Co., Box 398, Lafayette, La.
 WYNNE, WALTER M. (A'24-VA'39)(L), Cmdr. USN,
 RetIred, 160 Park Ave., Elberon, N.J. & Adf. Prof.,
 Polytechnic Institute of Brooklyn, 333 Jay St., BrookIvn 1. NY.
- VYNSTOCK, SELWYN (A'54), Elec. Engr., The Halli-crafters Co., 4401 W. 5 Ave., Chicago 24, III. WYRICK, RALPH F. (M'56), Engr., GE Co., HMED,

- WYRICK, RALPH F. (M'56), Engr., GE Co., HMED, Syracuse, N.Y.
 WYSE, OAVID S. (A'52), Pres., Projects Unlimited, Inc., 1926 E. Siebenthaler Ave., Dayton, Ohio.
 WYSOCKI, JOSEPH J. (A'55-M'59), Research Engr., RCA, Princeton, N.J.
 WYTHE, DONALO H., JR. (M'59), Sr. Electronics Systems Engr., Technical Operations, Inc., 305 Webster St., Monterey, Calif.
- MONDERFY, LAURY WYMIORSKI, MITCHELL (S'57-A'57), Technician, Canadian Natl. Exhibition, Toronto 28, Ont., Canada, WYZENBEEK, ANOREW (A'54), V.P., Engra., Fusibe Corp., 6000 Fernylew Ave., Cincinnati 13, Ohio.

XENAKIS, SA8BAS N. (S'59-A'53), Specialist, Service, GE Co.. Syracuse, N.Y.

- YABITSU, CHESTER T. (S'57-M'59), Elec. Engr., Test Equipment, Hughes Aircraft Co., Box 90426, Airport Sta., Los Angeles 45, Calif. YABLO, SAUL (S'49-A'50-M'56), Dev. Engr., Philips Electronics Industries, 11 Bentcliffe Rd., Leaside, Ont., Canada.
- VASLON, MARVIN (S'56-M'57), Staff Mem. Genl. Precision Lab., Pleasantville, N.Y.

- YABLONSKY, DMETER (S'49-A'53), Pres., Dmeter Mfg. Co., Inc., 22-24 Larkın Plaza, Yonkers, N.Y. YACHIMEC, PETER (S'44-A'47-M'53), Genl. Mgr., Sinc Radio Labs., Ltd., 70 Sheffield St., Toronto 15, Ont., Canada.
- YACICH, PAUL J. (M'53), Engr., WOSU-TV, 520 Royal St., New Orleans, La.
- New Orleans, La.

 YACYK, JOSEPH (5'55-M'56), Jr. Engr., Philoc Corp., C & Tioga Sts., Philadelphia 34, Pa.

 YADAVALLI, SPIRAMAMURTIV. (S'49-A'53-M'58), Consulting Engr., GE Co., Microwave Lab., 601 California Ave., Palo Alto, Calif.
- Maio Alto, Calif.

 YADDFF, OLEG (SM'53), Pres., Applied Physics Research
 Foundation, Inc., 50 Broadway, New York 4, N.Y.

 YAEGER, EARL C. (S'57-A'58), Engrg, Alde, Research
 U.S. Dept. of Agriculture, Box 113, East Grand Forks,
 Minn.
- YAEGER, ROBERT E. (A'53-M'58), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N.J.
- YAEGER, THE ODORE E. (M'57), Field Engr., IBM, Owego,

- YAFFEE, PHILIP (A'43-M'46-SM'54), Supvy. Electronics Scientist, Naval Ordnance Lab., White Oak, Silver Spring, Md.

- Md.

 YAGELOWICH, JOHN J. (S'50-A'51-M'56), Physicist, Naval Research Lab., Washington 25, D.C.

 YAGER, EDWIN K. (M'52), Sp. Electronics Engr., Convair, San Diego, Calif.

 YAGJ, HARRY S. (S'50-A'51), Engr., GE Co., 2155 S. 1st St., San Jose, Calif.
- St., San Jose, Calif.
 YAGI, HIDETSUGU (F'53), Pres., Musashi Tech. College,
 Tamaqawa Todoroki I, Tokyo-Setagaya, Japan.
 YAHALOM, JERRY Y. (S'52-A'56-M'57), Transistor Applications Engr., Motorola, Inc., 4545 W. Augusta, Chicago 51,
 III.
- YAHIRO, ROBERT K. (S'57-M'59), Dev. Engr., Missiles Div., Douglas Aircraft Corp., 3000 Ocean Park Blvd., Santa Monica, Calif.
- Monica, Calit.

 YAKAS, JOSEPH T. (M'57), Electronics Design Engr.,
 Burroughs Corp. 41100 Plymouth Rd. Plymouth, Mich.

 YAKUTIS, ANTHONY J. (A'55), Staff Mem., MIT, Lincoln
 Lab., Lexington 73, Mass.

 YAKYMYSHYN, MIKE M. (S'55-M'57), Elec. Engr., Canaddian Westinghouse Co., Ltd., Longwood Rd., Hamilton, Ont.,
 Canada.

- VALE, WILLIAM H. (S'50-A'51-M'55-SM'57), Engr., Alrborne Instrument Lab., Mineola, L.I., N.Y.
 YALEN, SEYMOUR (A'52-M'57), Sr. Engr., Computer Control Co., Inc., 92 Broad St., Wellesley 57, Mass.
 YAMADA, DONALD A. (S'48-A'51-M'58), Assoc. Research Scientist, Missile System Div., Lockheed Aircraft Sunnyvale, Calif.
- YAMADA, HISAO (A'55), Instr., Moore School of Elec. Engrq., Univ. of Pennsylvania, 33 & Walnut Sts., Philadel-phia 4, Pa.
- YAMAGAMI, YONEHISA (A'50-M'55), Sr. Electronics Engr., Allen 8. DuMont Labs., Inc., 760 Bloomfield Ave., Clifton, N.J.
- YAMAMOTO, GEORGE H. (S'52-A'53-M'58), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.
- YAMAMUTO, GEORGE H. (S'52-A'53-M'58), Engr., Sperty Gyroscope Co., Great Neck, L.I., N.Y.
 YAMAMOTO, NOBU G (S'56-M'57), Elec. Engr., San Francisco Naval Shipyard, San Francisco, Calif.
 YAMAMOTO, TOKIO G. (S'57-M'58), Research Engr., No. Amer. Aviation, Los Angeles, Calif.
 YAMAOKA, JOSEPH H. (S'55-M'57), Engr., GE Co., Syracuse, N.Y.

- YAMAOKA, JOSEPH H. (S'55-M'57), Engr., GE Co., Syracuse, N.Y.
 YAMASAKI, AKIRA A. (J'41-A'43-M'52), Sr. Engr., Research & Dev. Lab., Devenco, Inc., 150 Broadway, New York 38, N.Y.
 YAMASAKI, RICHARD G. (S'58-M'59), Unit Engr., Hughes Aircraft Co., Culver City, Calif.
 YAMASHIRO, JACK M. (A'51), Research Engr., Jet. Propulsion Lab., California Institute of Technology, 4800 Oak Crove Dr., Pasadena 3, Calif.
 YAMASHITA, AKIRA (A'56), Chief of Electronic Tube Dept., NHK Ulapan Broadcasting Corp.) Tech. Research Lab., 361 Kinuta-Machi, Setagaya-Ku, Tokyo, Japan.
 YAMASHITA, KAMEHRO (S'56-A'57), Mem., Katooka Elec. Co., Ltd., 247 Yukiqaya Otaku, Tokyo, Japan.
 YAMAUCHI, THOMAS T. (A'50-M'55), Research Engr., Boeing Airplane Co., Seattle, Wash.
 YAMAZAKI, MIKIYA (A'57), Chief of Electronic Sect., Ultrasonic Industrial Co., 11 Shibahamamatsu-cho 1, Minato-ku, Tokyo, Japan.

- YAMACISAWA, SAULE LT. (S142-A43-SW143), Chief Engr., 1970, AMACISAWA, AMULE LT. (S242-A3-SW143), Policy Formulation Lab., Mill Cambridge Co., W. Sall Cambridge Co., Mans., YAMA G. A. (35-M-46), Project Engr., EPSCO, Inc., 588 Commonwealth Ave., Boston 15, Mass., YAMRON, JOSEPH (A750-M-555), Research Engr., Instrumentation Lab., MIT Cambridge 39, Mass.

 YANACHARA, FREDERICK T. (451), Fleld Engr., (Systems), Philoc Com., 22 St. & Lehigh Ave., Philadelphia 32. Pa., YANACHARA, FREDERICK T. (451), Fleld Engr., (Systems), Special Prods., Machlett Labs., Inc., 1063 Hope St., Springdale, Conn., YANA, HISAYOSHI (M'57). Asst. Prof. Illniv of Tobac.
- ANAI, HISAYOSHI (M'57), Asst. Prof., Univ. of Tokyo, Dept., Elec. Engrg., 1, Motofuji-cho, Bunkyo-ku, Tokyo,
- Dept., Elec. Engry., 1, Mountain-Charlos beiney with yapan.

 YANASE, HERBERT Y. (A'57), Dev. Engr., Vend-A-Mation, Inc., 3080 Cleveland-Massillon Rd., Barberton, Ohio.

 YANCEY, JAMES D., JR. (S'52-A'53-M'58), Research Engr., The Atlantic Refining Co., Box 2819. Dallas. Tex. YANCEY, JAMES L. (S'56-M'58), Dev. Engr., 5ystems, Inc., 2326 Diversified Way, Orlando, Fla.

 YANCEY, LE ROY D. (S'57-M'58), 772 Stratford Ave., Salt Lake City, Utah.

 YANCEY, LE ROY D. (S'57-M'58), 772 Stratford Ave., Salt Lake City, Utah.

 YANCEY, WAYNE L. (M'57), Equipment Engr., Semiconductor Div., Hughes Aircraft Co., Culver City, Calif.

 YANCEY, WAYNE D. (M'59), Sr. Engr., AT&T Co., 138

 E. Court St., Cincinnati 2. Ohio.

 YANEY, PERRY P. (S'51-M'58), Engr., Avco Corp., Crosley Div., 1329 Arlington St., Cincinnati 25, Ohio.

- YANG, GEORGE C. C. (S'55-M'56), Assoc. Engr., IBM, Research Lab., Poughkeepsie, N.Y.
 YANG, RICHARD F. H. (S'48-A'51-SM'55), Chief Engr., Antenna Design Group, Andrew Corp., 363 E. 75 St., Chicago 19, III.
- Chicago 19, III.

 YANG, TSUTE (S'45-A'48-M'55), Asst. Prof., Elec.
 Engra., Moore School of Elec. Engra., Univ. of Pennsylvania, 33 & Walnut Sts., Philadelphia 4, Pa
 YANICK, STEPHEN J. (A'54), Electronics Engr., Convair,
 San Diego Div., Box 465, Holloman AFB, N.M.

- San Diego Div., Box 465, Molloman AFL, N.M.
 YANIS, EDWARD M. (M'57), Transistor Coordinator, RCA,
 Moorestown, N.J.
 YANISHEVSKY, GILBERT (S'57-M'59), Elec. Engr., Burroughs Research Corp., Paoli, Pa.
 YANKEWICZ, WALTER W. (M'54), Customer Engr., Fairchild Camera & Instrument Corp., Fairchild Camera & Instrument Corp., Fairchild Dr., Plainview,
 L.I., N.Y.
- YANKO, RICHARD J. (A'57), Assoc. Engr., Westinghouse Elec. Corp., Box 746, Baltimore, Md YANNARELL, NICHDLAS T. (M'59), Asst. Engr., Westing-house Elec. Corp., Baltimore 3, Md
- YANDFSKY, LUIS G. (S'56-M'57), Communication & Electronics Engr., Comision Nacional De Energia Nuclear, Av. Insurgentes Sur 1079, Mexico 18, D. F., Mexico YANDSCHAK, VLADIMIR (S'54-A'55), Elec. Engr., 18M, Kingston, N. Y.
- YANTIS, GERALD C. (S'57-M'58), Jr. Engr., I8M, Endi-cott, N.Y.
- YAO. YING L (M'59). Dev Enor . RCA . Camden . N J YAPLE, THOMAS L. (M'57), Engr., Texas Instruments, Inc., Box 312, Dallas, Tex.
- YAPLEE, BENJAMIN S. (S'46-A'50-M'55), Electronic Scientist, Naval Research Lab., Washington, D.C. YARBOROUGH, JOHN R. (S'57-M'59), Elec. Engr., Friden, Inc., San Leandro, Calif. YARBOROUGH, ARLE D. (A'49-M'55), 3513 Stanford St., Dallas 5, Tet. D
- YARBROUGH, HENRY 8 (M'45), Genl Sales Mgr., Bendix Aviation Corp., 3130 Wasson Rd., Cincinnati 8,
- YARBROUGH, JAMES E. (SM'53), Chief Engr., Cherry Broadcasting Co., WBDO-AM-FM-TV, 30 S. Ivanhoe Blvd., Orlando, Fla.
- YARBROUGH, KENNETH A. (A'49), Sr. Engrg. Technician, Texas Instruments, Inc., 6000 Lemmon Ave., Dallas, Tex.
- YARBROUGH, LAVERN A. (S'51-A'52-M'52), Maj., USAF, Chief, Engrg. Div., Hqrs., GEEIA, Griffiss AF8, N.Y.
- YARBROUGH, STANTON L. (SM'45), V.P., Électronics Div., The Gabriel Co., 135 Crescent Rd., Needham Heights 94, Mass.
- yARD, EDWARD M. (M'47), Chief Project Engr., (Mech.), John A., Roebling's Sons Corp., 640 S., Broad St., Trenton 2, N.J.

- YARIAN, ELDON L. (A'52), Electronics Engr., McDonnell Aircraft Co., Lambert Airport, St. Louis, Mo. YARIV, AMNON (S'56-M'59), Mem. Tech. Staff, Bell Tel. Labs., Murray Hill, N. J. YARNACK, JOHN E. (A'41-SM'52), Elec. Engr. & Mgr., Rectifier Dept., Larain Prods. Corp., 1122 F St., Lorain, Ohio.
- Lorain, Ohio.

 VARMUS, LEDNARD (A'54), Asst. Prof., Physics Dept., New York Univ., Washington Sq., New York 3, N.Y.

 YARMALL, WILLIAM M. (A'51), Sr. Engr., Microwave Antennas, Sperry Gyroscope Co., Great Neck., L.I., N.Y.

 YAROSH, NORMAN P. (S'48-A'51-M'55-SM'56), Group Leader, Logical Analysis Group, Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.

 YAROSHKO, PAUL (S'53-A'54), Sr. Electronics Engr., Emerson Radio & Phonograph Corp., 14 & Cole Sts., Jersey City 2, N.J.

 YARU, NICHOLAS (S'47-A'54-SM'58), Hand Microwave
- YARU, NICHOLAS (S'47-A'54-SM'58), Head, Microwave Dept., Hughes Alroraft Co., Fullerton, Calif. YARUSSI, FRANK P. (A'51), Owner, F.P., Yarussi Co., 312 Spring Valley Rd., Pittsburgh 16, Pa.
- YASAKA, ERNEST K. (A'57), Jr. Engr., Coulter Elec-tronics, 5227 N. Kenmore, Chicago, III.
- ASHIR, AUGUST A. (A'59), Air Attache Office, Embassy of USSR: Home: 2552 Selmont Rd., N.W., Washington 8, D.C. VASHIR
- VASKO, RICHARD N. (S'56-M'58), Research Engr., Natl. U. S. Radiator Corp., Johnstown, Pa. YASKOFF, ROBERT (S'48-A'49-M'55), Sr. Engr., Michigan Bell Tel. Co., 1365 Cass St., Detroit, Mich. YASUDA, ICHIJI (A'53), Vice-chief of TV Research Sect., Lab. of the Broadcasting Corp. of Japan, 361 Kinutamachi, Setagaya-Ku, Tokyo, Japan

- Setagaya-Ku, Tokyo, Japan

 YASUDA, JERRY K, (M'57), Sr., Engr., Litton Industries,
 336 N. Foothill Blvd. Los Angeles, Calif.

 YATAURO, PASQUALE (S'54-A'55), Command Control
 Technician, RCA, Patrick AFB, Fla.

 YATES, DONALD N. (SM'57), Cmdr. Air Force Missile
 Test Center, ARDC, Patrick AFB, Fla.

 YATES, JAMES W, (A'59), Engra, Technician, Canadian
 Aviation Electronics, Montreal, P. Q., Canada

 YATES, LESTER R. (A'51–M'57), Chief Engr., Communications, Research & Dev. Dept., Bendix Radio Div.,
 Towson 4, Md

 YATES, TOM (A'50), Chief Engr., MCGS, 2733, W. W. W.

 YATES, TOM (A'50), Chief Engr., MCGS, 2733, W. W. W.

 YATES, TOM (A'50), Chief Engr., MCGS, 2733, W. W. W.
- YATES, TOM (A'50), Chief Engr., KCRS, 3701 W. Wall, Midland, Tex.
- WATES, WILERID A. (SM'54), Sr. Engr., Applied Physics Lab., The Johns Hopkins Univ., Silver Spring, Md. YATES, WILLIAM A., JR. (S'52-A'54-M'57), Electronics Engr., Dept. of Defense (NSA), 9800 Savage Rd., Ft. Meade, Md.
- MEGUE, Md.

 YATES, ZACK (A'55), Audio Supvr., WTAR Radio Corp., 720 80ush St., Norfolk, Va.

 YATMAN, TEOMAN (S'56-A'58), Electronics Instr., Emerson Institute, 1324 18 St., N.W., Washington, D.C.

 YATSKIN, GEORGE C. (M'54-SM'57), Sr. Engr., Packard Bell Electronic Corp., 12333 W. Olympic 8Ivd., Los

 Angeles 64, Calif.
- Angeles 64, Calif.

 YATSKO, FRANK P. (S'52-A'54), Mfg. Engr., GE Co.,
 Winfield & Sanders. Scranton, Pa.

 YAW, DANIEL F. (S'48-A'50-M'55-SM'58), Group Engr.,
 No. Amer. Aviation, 4300 E. 5 Ave., Columbus 16, Ohio.

 YAWORSKY, YAROSLAUS J. (S'54-M'56), Asst. Engr.
 in Generation Control, Public Service Electric & Gas Co.,
 80 Park Pl., Newark 2, N.J.

 YEAGER, ARTHUR G. (S'55-M'57), Patent Examiner,
 Dept. of Commerce, Patent Office, Washington, D.C.

- YEAGER, CLAIR J. (A'52), Chief Engr., Northeast Communication Engrq. Co., Endwell, N.Y.
 YEAGER, DAVIS L. (A'54), Mgr., Transformer Div., Varo Mfg. Co., Inc., 2201 Walnut, Garland, Tex.
- Mfg. Co., Inc., 2201 Walnut, Garland, Tex. YEAGER, HOBART R. (SM'45), Col., Consultant, 11515 N.E. 6 Ave., Miami 38, Fla.
- PEAGER, JOHN R. (S'41-A'44-M'56), Engr., AT&T Co., 400 Hamilton Ave., White Plains, N.Y. PEAGER, JOHN R. (S'48-A'50-M'55), Elec. Engr., GE Co., Cleveland 12, Ohio.
- Co., Cleveland 12, Ohio.
 YEAGER, RICHARD J. (S'56-M'57), 1st Lt., USAF, Communications Officer, 28th Air Div., Hamilton AFB, Calif.
 YEAGER, ROBERT L. (S'53-M'56), Instrumentation Engr., Minneapolis-Honeywell Regulator Co., 2600 Ridgway Rd., Minneapolis 13, Minn.
 YEAGLEY, FRANK W. (M'50-SM'55), Engrg. Dept., Continental Electronics Mfg. Co., 4212 S. 8uckner 8lvd., Dallas, Tex.
- 8Ivd., Dallas, Tex.
 YEAPLE, RONALD N. (S'56-M'58), Engr., Stromberg-Carlson Co., 14D0 N. Goodman St., Rochester 9, N.Y.
 YEARLEY, LAWRENCE E. (S'56-M'57), Electronics Engr.,
 Litton Industries, 1476 66, Emeryville, Calif.
 YEAROUT, DEAN K. (A'54), Staff Mem., Sandla Corp.,
 Sandla Base, Albuquerque, N.M.
 YEARSLEY, WILLIAM A. C. A. (M'53), Owner, W.A. C.A.
 Yearsley Co., 6313 Santa Monica Blvd., Hollywood 28,
 Calif.

- YEATON, EDWARD C. (S'40-A'41), Project Engr., Eastman Kodak Co., Rochester 4, N.Y. YEATON, ROBERT B. (M'57), 2512 Hillside Lane, Norristown, Pa.
- YEATON, NUBERT B. G. S., P. S.

- 3717 S. Grand, Los Angeles 7, Calif.
 YEE, HENRY (M'57), Field Engr., Hazeltine Electronics
 Coro., Little Neck 62, L.I., N.Y.
 YEE, JAMES S. (M'59), Research Engr., Boeing Airplane
 Co., Box 107, Seattle 14, Wash.
 YEE, PAUL (S'54-M'56), Elec. Engr., Pan American
 World Airways, San Francisco Airport, Calif.
 YEE, PAUL K. (S'54-M'56), Analog Computer Research &
 Dev. Engr., Donner Scientific Co., 888 Galindo St.,
 Concord, Calif.
- YEE, THOMAS G. (S'55-M'58), 12 Eaton Rd., Danvers,
- Mass. YEE, WILLIAM W. 8. (S'53-M'56), Designer, 11316
 Venice Blvd., Los Angeles 66, Calif.
 YEFSKY, SHELDON A. (M'56), Staff Engr., Cook Research
 Labs., 6401 W. Oakton, Morton Grove, III.
 YEH, CHAI (A'48-5M'51), Research Engr., Univ. of
 Michigan, Willow Run Research Center, Willow Run
 Airport, Ypsilanti, Mich.

- Airport, Ypsilanti, Mich.
 YEH, KJNG CHIE (S'57-M'59), Research Assoc., Univ. of Illinols, Urbana, III.
 YEH LEANG, P. (A'54-M'55), Fellow Engr., Westinghouse Elec., Corp., Box 746, Baltimore 3, Md.
 YEICH, VERNON B. (A'54), Elec., Engr., Research Div., Aeronca Mfg., Corp., Hilltop & Frederich Rds., 8altimore 28, Md. Aeronca N 28, Md.

- Aeronca Mfg. Corp., Hilltop & Frederich Rds., Baltimore 28, Md.

 YEISLEY, WARREN F. (S'54-M'57), Engr., ITT Labs., Nutley 10, N.J.

 YEITER, M. ROSS (A'53-M'59), Mgr., Mktg. Administration, CBS Hytron, Semiconductor, Lowell, Mass.

 YELICK, NICHOLAS, JR. (S'58-A'59), Electronics Technician, Bendix Aviation Corp., Teterboro, N.J.

 YELLEN, ANTHONY F. (A'54), 84-19 106 St., Richmond Hill 18, L.I.. N.Y.

 YELLEN, STUART (A'55), Sales Engr., RMC Associates, 236 E. 75 St., New York, N.Y.

 YELLIN, HERMAN (M'47-SM'59), Electronics Engr., Remington Rand, Univac, Wilson Ave., South Norwalk, Conn.

 YELLO, JOSEPH F. (S'58-M'58), Transistor Application Engr., Admiral Corp., 3800 Cortland St., Chicago, Ill.

 YELSEY, ARNOLD (A'59), Specification Engr., Raytheon Mfg. Co., Bedford, Mass.

 YELSEY, BENJAMIN (A'42-M'48), Pres., Coll Winders, Inc., Westbury, L.I., N.Y.

 YELVERTON, C. WARD (S'57-M'59), Owner, Comtronics, Box 485, Palatka, Fla.

 YEN, JUI LIN (S'53-A'54), Asst. Prof., Dept. Elec. Engrg., Illiniu of Toronto Toronto Otto.

- Box 485, Palatka, Fla., YEN, JUI LIN (S'53-A'54), Asst. Prof., Dept. Elec. Engrg., Univ. of Toronto, Toronto, Ont., Canada. YEOMAN, SAMUEL J. (S'54-A'54), Equipment Engr., Western Electric Co., inc., Hawthorne Sta., Chicago 23, III. YERDON, GLENN W. (M'51-SM'56), Chief, Engrg. Services, System Support Dept., Nortronics Div., Northrop Corp., 500 E. Orangethorpe Ave., Anaheim, Calif.
- E. Orangetnorpe ave., Anaheim, Calif, YEREANCE, ROBERT A. (SM'59), Sr. Research Engr., No. Amer. Aviation, Los Angeles, Calif, YERIAN, CARLOS S. (A'30–SM'47), Mgr., Quality Control, TV Receiver Ded., CE Co., Syracuse, N. Y. YERKES, HARRY W. (A'57), Eastern Sales Engr., Transco Prods., Inc., 12210 Nebraska, Los Angeles 25, Calif.

- Prods., Inc., 12210 Nebraska, Los Angeles 25, Calif.
 YESLIN, ARTHUR R. (M'57), Operations Analyst, 80eing
 Airplane Co., Seattle, Wash,
 YETTER, EDWARD W. (A'42-M'45), Engr., E.I. DuPont
 de Nemours & Co., Wilminston 98, Del.
 YETTER, WILLIAM P. (A'54), Supvr., Flight Control,
 Autonetics Div., No. Amer. Aviation, Downey, Calif.
 YEUTTER, CLYDE S. (A'41-M'55), Mem. Tech. Staff, Bell
 Tel. Labs., Merrimac Valley Lab., 1600 Osgood St., North
 Andover, Mass.
- YEWDALL, GEORGE E. (A'48-M'55-SM'56), Clec. Engr. RCA, Camden, N.J.
 YEWELL, PAUL G. (M'49-SM'56), Pres., Yewell Associates, Inc., Middlesex Tpke., Burlington, Mass.
 YIEH, TZU-T1 (M'51), Project Engr., Aeroflex Corp., 48-25 36 St., Long Island City 1, N.Y.
 YIM, GEORGE W. (S'57-M'58), Mem. Tech. Staff, 1800 S. Oxford Ave., Los Angeles 6, Calif.
 YIN, HUD-BING (S'49-A'51-M'58), Engr., RCA, Camden 2, N.J.
 YINGLING. GEORGE B. (ALEGE) YEWDALL, GEORGE E. (A'48-M'55-SM'56), Elec. Engr.,

- 2, N.J.
 YINGLING, GEORGE 8. (M'57), Intercept Controller, USAF, 861st ACWRON, Aiken Air Force Sta., Aiken, S.C.
 YINGST, HAROLD E. (M'58), Mem. Tech. Staff, Hughes Aircraft Co., Box 2097, Fullerton, Calif, YINGST, THOMAS E. (4'50-M'55), Circuit DesIgn & Dev. Engr., RCA, New Holland Pike, Lancaster, Pa.

- YNGVESSON, Y. KJELL-OLOF (M'59), Haradsgatan 28-B,
- YOAKUM, WILLIAM E. (A'54), Supvy. Aero Research Engr., Lab. Div., Army Rocket & Guided Missile Agency, Redstone Arsenal, Ala.
- VOCHELSON, SAUL B. (S'43-A'51-M'56-SM'59), Group Leader, Goodyear Aircraft Co., 1210 Massillon Rd., Akron 15, Ohio.
- 10, Unio.

 YOCHEM, JULLIAN F. (A'57), Electronics Instr., Lou Radio School, 541 E. Broadway, Louisville, Ky.

 YOCKEL, ARTHUR P. (S'43-A'47-M'54), Tech. Specialist, Allen B. DuMont Labs., Inc., 35 Market St., East Paterson, N.J.

- N.J.,
 VOCOM, WILLIS H. (A'54-M'57), Sr. Project Engr.,
 Varian Associates, 611 Hansen Way, Palo Alto, Calif.
 YODER, ALVIN A. (S'53-A'54), Mem. Tech, Staff, Hughes
 Alrcraft Co., Culver City, Calif.
 YODER, D. RAYMOND (S'42-A'44-M'55), Regional Commercial Mgr., Raytheon Mg., Co., 5236 Santa Monica Blvd.,
 Los Angeles 29, Calif.
- Los Angeles ZY, Calif.

 YODER, DDNALD F. (S'51-A'54), Test Equipment Engr.,
 LMED, GE Co., Ulica, N.Y.

 YODER, EVERETT R. (S'52-A'53-M'58), Sr. Scientist,
 Lockheed Aircraft, Missiles Systems Div., Hanover St.,
 Palo Alto, Calif.
- YDDER, LEO (A'29-VA'39-M'50), Transmitter Supvr., Westinghouse Broadcasting Co., Inc., 124 W. Wash-ington, Ft. Wayne, Ind.
- Ington, Ft. Wayne, Ind.

 YODER, RAYMOND S. (A'25–SM'45), Motorola, Inc., 4545

 W. Augusta Blvd., Chicago, III.

 YODER, ROBERT F. (S'53–A'54–M'55), Mem. Tech. Staff,
 Hughes Prods., Semiconductor Div., Internatl. Airport Sta.,
 Los Angeles 45, Calif.
- YOECKEL, ROSERT E. (S'56-A'58), Radio Engr., WHLI AM & FM, FM Broadcasting, 384 Clinton St., Hempstead L.I., N.Y.
- L.I., N.Y.

 YOGORE, MARIO G. (S'56-M'57), Instr., Univ. of Philippines, College of Engra., Quezon City, Philippines.

 YOHAI, ISIDORE (M'58), Sr. Dev. Engr., Avion Corp., ACF industries, 11 Park Pl.. Paramus, N.J.

 YOKELSON, BERNARD J. (S'44-A'48-M'55), Switching Systems Dev. Engr., Bell Tel. Labs., Whippany, N.J.

 YOKOMOTO, ROBERT K. (A'58), Electronics Engr., Martin Co., Orlando, Fla.

 YOKOYAMA, HIROSHI (M'57), Chief Radio Wave Research Sect., Elec. Communication Lab., 1551 Kichijoji, Musashino-shi, Tokyo, Japan.

- YOLKEN, BERRY S. (5'55-M'58), Asst. Project Engr., Ben-dix Radio Div., Towson 4, Md.
 YOLLES, JACK (A'29-SM'45), Electronics Consultant for Mis-sile Guidance, Guidance Dev. Branch, Wright Air Development Center, Wright-Patterson AFB, Ohio.
- YONEJI. MASAMI (A'59). Prod. Engr., IBM. Kingston, N.Y. YONEMOTO, NOBORU (S'51-A'53-M'57), Engr., Northrop Corp., Norair Div., Hawthome, Calif.
- Corp., Norair Div., Hawthorne, Calif. YOON, PHILIP (M¹55), Electronics Engr., U.S. Govt., Wash-
- ington, D.C.
 YORGANJAN, JOHN J., JR. (S'56-M'59), Jr. Elec. Engr.,
 Bendix Aviation Com., Towson 4, Md.
 YORINKS, ALEXANDER (SM'53), Asst. Chief Engr., Belock
 Instrument Co., 14 Ave., College Point, L.I., N.Y.
 YORK, ARTHUR (S'56-A'58), Field Engr., RCA Service Co.,
 Camden, N.J.
- Camden, N.J.

 YORK, DELBERT E. (A'51), Communications Supt., United Fuel Gas Co., Box 1273, Charleston, W. Va.

 YORK, EDWARD IG (3'46-A'49-M'55), Elee. Engr., Dept. of Water & Power, 207 S. Broadway, Los Angeles, Calif.

 YORK, EDWARD P. (A'46), Owner-Mgr., York Marine Radio,
- YUNK, EDWARD P. (A'46), Owner-Mgr., York Marine Radio, Stonington, Conn.
 YORK, JOHN A. (C'56-M'59), Rte. 1, Rock Spring Estates, Warrentown. Va.
 YORK, JOHN J. (A'56), Mgr., Apprentice School, IBM, Pough-keepsie, N.Y.
 YORK, JOHN M. (S'57-M'59), Mem. Tech. Staff, Hughes Aircraft Co., Box 90515, Airport Sta., Los Angeles 45, Calif.
- YORK , LYNN M. (S'53-A'54), Electronics Engr., Interstate Electronics Corp., 707 E. Vermont St., Anaheim, Calif. YORK, RAYMOND A. (SM'51), Mgr., Engrg., Rectifier Sect., GE Co., Aubum, N.Y.
- YORK, RICHARD E, (S'58-M'59), Publications Engr., Western Electric Co., Winston-Salem, N.C.
 YORK, ROBERT L. (S'56-M'57), Designer, Douglas Aircraft
 Co., Missile Engr., 3000 Ocean Park Blvd., Santa Monica,
- YOSHIDA, HENRY (A'50-M'59), Supvy. Electronics Specialist, Dayton Air Force Depot, Wilmington Pike, Dayton 10, Ohio.
- YOSHIDA, JUNSAKU (A'57), Engr., NHK, Japan Broadcasting Corp., Tech. Research Lab., 361 KInuta-Machi, Setagaya-Ku, Tokyo, Japan.
- YOSHIDA, MAKOTO (M'56), Mem. Tech. Staff, Ramo-Wool-dridge, 5500 W. El Segundo Blvd., Los Angeles 45, Calif. YOSHIDA, SHINICHIRO (A'54), The Researcher of the Elec-tronics Research Div., Matsuda Research Lab., of Tokyo Shibaura Electric Co., Ltd., 72, Horikawa-Cho, Kawasaki-
- Shi, Kanagawa-ken, Jaoan. YOSHII, HAJIME (A'52), Research Engr., No. Amer. Aviation,
- OSHIMURA, TETSUTARO (A'57), Engro. Staff, Sanyo Electric Co., 1, Haizuka, Daito-City, Osaka. Jaoan. YOSHIOKA, GEORGE (A'55), Research Asst., Hughes Aircraft Co., Culver City, Calif.
- YOSHIZUKA, RICHARD K. (A'55), Field Engr., RCA Service Co., Camden, N.J. YOSKOWITZ, LEO K. (M'52), Head, Simulation Lab. Staff, Lockheed Aircraft Corp., Missiles & Space Div., Sunnyvale, Calif.
- VOST, CHARLES F. (S'49-A'51-M'58), Chlef, Solid State Sciences Div., AF Office of Scientific Research, Air Research & Development Command, Washington 25, D.C.

 YOST, DONALD E. (S'48-A'50-M'58), Production Supt., Polytechnic Research & Development Co., Inc., 202 Tillary St., Brooklyn, N.Y.
- YOST, EDWIN A. (S'57-M'58), 3826 W. 117 St., Haw-
- YOST, HALLAM T. (A'58), Assoc., Doolittle Construction, Inc., Wichita, Kan.
- Inc., Wichita, Ran.
 YOST, KENNETH E. (S'40-A'42-M'55), Partner-Engr.,
 Dale M. Yost & Sons, Dayton, Ind.

- YOST, LLOYD A. (SM'5B), Mem. Tech. Staff, 8ell Tel. Labs., Whippany, N.J.
- YUSI, LLOYD A. (SM'5B), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J. YOST, RUSSELL R., JR. (M'45), Chief Engr., Motorola, Inc., 8201 E. McDowell Rd., Phoenix, Artz. YOST, WILLIAM E., JR. (SM'57), V.P., Engrg., Scatter Communications, inc., 4923 St. Elmo Ave., Bethesda 14, Md.
- Md.

 YOSTPILLE, JOHN J. (S'47-A'50-M'55), Switching Systems Engr., Bell Tel. Labs., Whippany, N.J.

 YOUCH, EDWARD A. (S'56-M'5B), Sales Engr., Sylvania Elec. Prods., Inc., 1000 Huyler St., Teterboro, N.J.

 YOUDEN, ROBERT H. (A'55), Group Head, Applications Engr., Sperry Semiconductor Div., Wilson Ave., South Norwalk, Conn.
- Volume No. (S'51-A'52-M'5B), Electronic Scientist, Data Processing Systems Div., Natl. Bureau of Standards, Washington 25, D.C.
- Washington 25, D. C.
 YOUDIN, MYRON (M'46), V.P. & Asst. Dir., Research Dev. & Engrg., Anton Electronics Labs., Inc., 1226 Flushing Ave., Brooklyn 6, N.Y.
 YOUKSTETTER, FREDERICK H. (S'57-M'5B), Design Engr., Raytheon Mfg. Co., Wayland, Mass. YDULA, DANTE C. (SM'59), Sect. Leader, Networks Group, Microwave Research Institute, 55 Johnson St., Brooklyn 1,

- N.Y.
 YOULE, ERIC (M'5B), Electronics Engr., The English
 Electric Aviation Co., Ltd., The Airport, Luton, England.
 YOUMANS, AUSTIN 8. (A'54), Electronic Scientist, Naval
 Research Lab., Washington 25, D.C.
 YOUNG, AI DEN H., (A'47-M'5R), Sami-conductors linit Head,
 Electronics Design Div., Bureau of Ships, Navy Dept., Washington 25, D.C.
- YOUNG, ALLEN E. (SM'57), Electronics Engr., Bendix Av tion Corp., Research Labs. Div., Box 5115, Detroit 35, Mich.
- YOUNG, ANDREW F., SR. (A'43-M'55), Mgr., Engrg. Lab., Westinghouse Elec. Corp., Friendship Internati. Airport, Baltimore, Md.
 YOUNG, ARTHUR J. (A'36-M'55), Genl. Mgr., English Electric Valve Co., Waterhouse Lane, Chelmsford, Essex, England.
- YDUNG, BENJAMIN L. (M'59), Systems Engr., Raytheon Mfg Co., Maynard, Mass.
- CO., Maynard, Mass.
 YOUNG, BURFORD A. (A'52-M'59), Chief Engr., Transmitter Facilities, WDEF, WDEF-TV, 33DO Broad St., Chattanooga 8, Tenn.
 YOUNG, C. PAUL (A'37-SM'46), Dir., Govt. & Industry Relations, Philoc Corp., 4700 Wissaltickon Ave., Philadelphia 44, Pa.
 YOUNG, CALVINIO, 1997

- phia 44, Pa.

 YOUNG, CALVIN R. (S'55-A'58), Sr. Lab. Technician,
 Bendix Aylation Corp., York, Pa.

 YOUNG, CARSON E. (A'48), Consulting Engr., 54 Merlham
 Dr., Madison 5, Wis.

 YOUNG, CHARLES E. (M'57), Electronics Scientist,
 Naval Research Lab., Washington 25, D.C.

 YOUNG, CHARLES E. (S'56-M'58), Mem. Tech. Staff,
 Bell Tel. Labs., Berkeley Heights, N.J.

- YOUNG, CHARLES E. (S'41-A'45-M'55), System Applications Engr., RCA, Patrick AF B. Fla.
 YOUNG, CHARLES H. (S'41-A'45-M'55), System Applications Engr., RCA, Patrick AF B. Fla.
 YOUNG, CHARLES J. (A'35-SM'45-F'53), DIr., Assoc. Lab., RCA Labs., DIV., Princeton, N. J.
 YOUNG, CHARLES M. (SM'55), Mgr., Engr., Power Tube Dept., GE Co., Schenectady 5, N.Y.
 YOUNG, CHARLES S. (A'29-VA'39-SM'52), Consultant, 204 S. Fulton St., Allentown, Pa.
 YOUNG, CHARLES W. (M'55), Engr., Arma DIV., Roosevelt Field, Garden City, L.I., N.Y.
 YOUNG, CHESTER W., UM'55), Engr., Arma DIV., Roosevelt Field, Garden City, L.I., N.Y.
 YOUNG, CHESTER W., (M'55), Engr., Lamas City, Mo.
 YOUNG, CHESTER W., (M'40-M'49-SM'55), Electromagnetic Warfare Specialist, Convair, 1575 W. 5 St., Pomona, Calif.
 YOUNG, CLARENCE H. (M'42-SM'43), Mem. Tech.

- Warfare Specialist, Convair, 1575 W. 5 St., Pomona, Calif.

 YDUNG, CLARENCE H. (M'42-SM'43), Mem. Tech.
 Staff, Bell Tel. Labs., Murray Hill, N.J.

 YOUNG, CLAUDE E. (SM.'57), Sr. Research Engr., Autonetics Div., No. Amer. Aviation, Downey, Calif.

 YOUNG, CORNELIUS B., JR. (M'52-SM'5B), Asst.
 Radio Engr., Western Union Telegraph Co., 6D Hudson
 St., New York 13, N.Y.

 YOUNG, OANA A. (A'30-VA'39), Research Engr., No.
 Amer. Aviation, 430-D E. 5 Ave., Columbus 16, Ohio.

 YOUNG, DAVID B. (S'54-M'56), Instr., Elec. Engrg.,
 College of Engrs., Duke Univ., Durham, N.C.

 YOUNG, DAVID B. (S'54-M'56), Instr., Elec. Engrg.,
 College of Engrs., Duke Univ., Durham, N.C.

 YOUNG, DAVID B. (S'54-M'56), Design Engr., Charce-Vought Aircraft, Inc., Dallas, Tex.

 YOUNG, DONALD C. (S'56-M'56), Design Engr., Chrysler
 Missile, 16 Mile & Van Dyke, Warren, Mich.

 YOUNG, EARLE A. (A'55), Supvr., Elec. Lab., Hawk Eye
 Works of Eastman Kodak Co., 20 Ave., E. Rochester 4, N.Y.

 YOUNG, EDWARD W. (S'41-4'42), Mgr., Weapons System,
 Bureau of Aeronautics, Navy Dept., Washington 25, D.C.

 YOUNG, F. MANSFIELD (SM'54), Pres., Adage, Inc.,
 292 Main St., Cambridge 42, Mass.

 YOUNG, F. WELDON (S'55-M'56), Test Engr., Convair,
 Ft. Worth, Tex.

 YOUNG, FRANCIS R. (M'59), Chief Engr., Electro-Mech.
 Div., Eric Resistor Corn. Eric. Pa.

- Ft. Worth, Tex.

 YDUNG, FRANCIS R. (M'59), Chief Engr., Electro-Mech.

 Div. Erie Resistor Corn. Erie. Pa.

 YOUNG, FRANK G. (M'56), Design Engr., I8M, Kingston,
- YOUNG , FRANK W. (M'5B), Project Supvr., AMF Atomics,
- Greenwich, Conn.

 YOUNG, FREDERIC C. (SM'49), V.P., Designers for
 Industry, Inc., 4241 Fulton Pkwy., Cleveland 9, Ohio;
 Sr. Partner, Young Associates, 520 East Ave., Rochester 7,
- N.Y.
 YOUNG, FREDERICK J. (S'54-M'57), Asst. Prof., Elec.
 Engra., Carnegie Institute of Technology. Pittsburnh 13. Pa.
 YOUNG, GEORGE D. (S'53-A'54), Methods Engr., Piper
 Aircraft Coro., Lock Haven, Pa.
 YOUNG, GEORGE G. (SM'56), Supwr., TV Production
 Engrq., GE Co., Svracuse. N.Y.
 YOUNG, GEORGE L. (S'49-A'50-M'56), Mem. Tech.
 Staff, Hughes Aircraft Co., Fullerton, Calif.
 YOUNG, GEORGEW. (A'53), Chief, Airways Tech. Fleld
 Office, FAA, Port Columbus Airport. Columbus 13. Ohio.
 YOUNG, GREGORY O. (S'43-A'47-SM'53), Mem. Tech.
 Staff, Hughes Aircraft Co., Culver Citv, Calif.

- 445 -
- YOUNG, H. H. (A'42), Engr., CBS, 485 Madison Ave., New York 22, N.Y.
 YOUNG, HARRY D. (S'49-A'51-M'56), Design Engr., RCA, Moorestown, N.J.
 YOUNG, HERBERT M. (A'51-M'56), Electronics Scientist, Diamond Ordnance Fuze Lab., Dept. of the Army, Washington 25, D.C.
- ton 25, U.C.

 YOUNG, HUGH A, (SM'52), Tech. Mktg. Consultant, SelfEmployed, 3424 Wilshire Bivd., Los Angeles 5, Calif.

 YOUNG, JACK D, (S'42-A'45-SM'53), "Fuzes" Project
 Mor., Air & Surface Weapons, Naval Ordnance Lab.,
 Silver Soring, Md.
- Staff, Bell Tel. Labs. . Sox 107. Red Bank. N. J.

 YOUNG, JAMES A., JR. (S'43-A'45-M'55), Mem. Tech. Staff, Bell Tel. Labs. . Sox 107. Red Bank. N. J.

 YOUNG, JAMES B., JR. (S'57-M'58), Engr., Cyro & Stab. Branch. G & C Labs., ABMA, Huntsville, Ala.

 YOUNG, JAMES D., JR. (M'56), Sr. Engr., Crosley Div., Avco Mfg. Corn. 1329 Arlington St., Cinclinati 25. Ohio.

 YOUNG, JAMES E. (M'56), Sales Office Mgr., Bendix Aviation Corn., Hulman Bidd., Davion 2. Ohio.

 YOUNG, DC (S'56-A'56), Sr. Technician, Radiation, Inc., Airport West Park, Melbourne, Fla.

 YOUNG, JOHN A. I. (S'48-M'55), Design Engr., Canadian GE Co., Ltd., 107 Park St., N., Peterborough, Ont., Canada.

 YOUNG, JOHN D. (M'58). Electronics Circuit Engr., GE Co.

- Canada.

 YOUNG, JOHN D. (M'58), Electronics Circuit Engr., GE Co., Schenectady. N. Y.

 YOUNG, JOHN E. (A'37-VA'39-SM'48), Mgr., Broadcast Transmitter Engra. Sect.. RCA. Camden. N. J.

 YOUNG, JOHN E. (A'37-VA'39-SM'48), Mgr., Broadcast Transmitter Engra. Sect.. RCA. Camden. N. J.

 YOUNG, JOHN M. (M'58), Assoc. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.

 YOUNG, JOHN M. (M'58), V. P., Boonton Electronics Corp., 738 Soceedwell Ave., Morris Plains. N. J.

 YOUNG, JOHN W. (S'54-M'57), Elec. Engr., RadTo Receiver Deot., GE Co., Utica. N. Y.

 YOUNG, JOHN W. (S'50-A'51), Sr. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9. N. Y.

 YOUNG, JOHN W., JR. (A'55), Tech. Asst., to Mgr., Prod. Specifications Deot., Natl. Cash Register Co., 1401 E. El Segundo Bivd., Hawhorne, Calif.

 YOUNG, JOHNSTON A. (M'57), Research Engr., Autonetics Div., No. Amer. Aviation. Downev. Calif.

 YOUNG, KENNETTH A. (SM'48), Sr. Elec. Engr., Raytheon Mfg. Co., Waitham. Mass.

 YOUNG, KENNETH W. (A'46), Owner, Radio Service, 317 S.W. 4 Ave.. Richmond. Ind.

 YOUNG, KENNETH W. (A'46), Owner, Radio Service, 317 S.W. 4 Ave.. Richmond. Ind.

 YOUNG, KENNETH W. (A'46), The Pielow Engr., Westinghouse Elec. Corp., Box 1897, Friendship Internati. Airport, Naval Research Lab., Washington 25. D. C.

 YOUNG, LEO C. (A'10-M'29-SM'43-F'43)(L.), Consultant, Naval Research Lab., Washington 25. D. C.

 YOUNG, LOUIS McC. (SM'44), Col., USAF, Electronics Logistic Officer, Host., A washington 25. D. C.

 YOUNG, LOUIS McC. (SM'44), Col., USAF, Electronics Logistic Officer, Host., A washington 25. D. C.

 YOUNG, LOUIS McC. (SM'44), Col., USAF, Electronics Logistic Officer, Host., A washington 25. D. C.

 YOUNG, LOUIS McC. (SM'44), Col., USAF, Electronics Logistic Officer, Host., A washington 25. D. C.

 YOUNG, Honolulu, Hawail.

- Logistic Officer, Hors., Air Material Command, WrightPatterson AFB, Ohio.

 YOUNG, MAN FAI (A'50-M'55), Radio Engr., FAA, Box
 40D9, Honolulu, Hawali.

 YOUNG, MARK E. (A'57), Radio Communications Engr.,
 Motorola. Inc., 4501 W. Augusta Blvd.. Chicago. III.

 YOUNG, MARVIN P. (SM'56), Electronics Scientist,
 Naval Research Lab. Washington. D.C.

 YOUNG, MEREDITH L. (A'43), Sales Engr., Genl.
 Industries Co., Olive & Tavlor Sts.. Elvria. Ohio.

 YOUNG, MILTON G. (M'42-SM'43), Prof. & Chmn., Elec.
 Engro. Dept., Univ. of Delaware, Evans Hall. Newark. Del.

 YOUNG, MURRAY C. (S'49-A'50-M'55), Dev. Engr., GE
 Co., Advanced Electronics Center, Ithaca. N.Y.

 YOUNG, NORMAN C., JR. (M'59), John I. Thompson &
 Co., 222 W. High St., Bellefonte. Pa.

 YOUNG, NORMAN L., JR. (A'37-SM'45), Mgr., Subsystem
 Engrg., ITT Federal Div., 100 Kingsland Rd., Clifton,
 N.J.

 YOUNG, NORMAN H. (A'49). Technician COS Les. 200

- N.J.

 YOUNG, NORMAN H. (A'49), Technician, C8S, Inc., 182
 Tremont St., Boston 12, Mass.

 YOUNG, MILTON G. (M'42-SM'43), Prof. & Chmn., Elec.
 Engra, Dent, Juniv. of Delaware. Evans Hall, Newark. Del.

 YDUNG, PAUL A. (A'41-M'44), Owner, Paul A. Young,
 2056 S. W. B St., Miaml 35, Fla.

 YOUNG, PAUL T. K. (A'57), Microwave Engr., Mocrowave
 Development Labs., Inc. 92 Broad St., Wellesley 57, Mass.

 YOUNG, PETER D. (A'45), Sr. Engr., Radiation, Inc.,
 Box 37, Melbourne, Fla.

 YOUNG, PRISCILLA J. (S'57-M'59), Electronics Engr.,
 Tech. Writer. U.S. Army Element. Washinaton. D. C.

 YOUNG, RALPH W. (S'53-A'55), SM Sct., USAF, Aircraft
 Electronics Navigation Equipment Maint, Technician, USAF,
 4737th Material Sodn., Box 383, APO 862, New York,
 N.Y.
- N.Y.
 YOUNG, RAYMOND A. (M'59), Assoc. Engr., Hughes
 Aircraft Co.. Culver Citv. Cailf.
 YOUNG, RAYMOND E. (S'57-A'58), Asst. to Dean,
 Milwaukee School of Engre., 1D25 N. Milwaukee St.,
 Milwaukee 18, Wis.
 YOUNG, RAYMOND H. (A'55-M'55), Asst. Prof., Elec.
 Engra. Bucknell Univ. Lewisbura. Pa.
 YOUNG, RICHARD C. (SM'59), Chief Radio Engr., U.S.
 Army Alaska Communication System, 550 Federal Office
 Bldg. Seattle. Wash.
 YOUNG, RICHARD D. (S'47-A'51-M'56), Mem. Tech.
 Staff, Ramo-Wooldridge Corp., Box 90534, Los Angeles
 45, Calif.

- YOUNG, RICHARD G. (\$156-A157), Technician, Nortronics Div., Northrop Aircraft, Inc., 1001 Broadway, Hawthorne, Calif.

- Calif.

 YOUNG, RICHARD K. (M¹55), Research Engr., "A, " Lockheed Missile Systems Div. Hanover St., Palo Alto, Calif.

 YOUNG, RICHARD L., JR. (A¹53), Systems Analysis Departmental Rep., Martin Co., Orlando, Fla.

 YOUNG, RICHARD W. (M¹57), Electronics Engr., Stackpole Carbon Co., St. Marvs, Pa.

 YOUNG, ROSERT (M³54), V.P., Avion Div., ACF Industries, Inc., 11 Park Pl., Paramus, N.J.

 YOUNG, ROBERT J. (M¹59), Assoc. Engr., Douglas Aircraft Corp., White Sands Missile Range, N.M.

 YOUNG, ROBERT J. (S¹57–M¹58), Asst. Prof., Elec.

 Engrg., Southwestern Louisiana Institute. Lafavette, La.

 YOUNG, ROBERT T., JR. (SM¹56), Chief Electron Devices Branch, Dlamend Ordnance Fuze Labe., Washington 25, D.C.

- YOUNG, ROBERT W. (M*56), Supvr., Evaluation Lab., Research & Dev., Electric Boat Div., Thames St., Groton, Conn.

- NOUNG, ROBERT W. (S¹55-M¹58), WADC-Area B Box 7176, Wright-Patterson AFB, Ohio.

 YOUNG, ROYCE O. (A¹49-M¹55), Dir., Electronics Lab., Columbia Univ. AEC Contract, Pupin Physics Lab., 53B W. 120 St., New York 25, N.Y.

 YOUNG, RUSSEL T. (S¹48-A¹50), Electronics Engr., Remington Rand Univac. Box 5616, Philadelphia 29, Pa.

 YOUNG, STEPHEN (M¹58), Dev. Engr., Burroughs Corp., 460 Sterra Madre VIIIa, Pasadena, Calif.

 YOUNG, SUMNER B. (J¹16-A¹19-VA¹39), Counsel for the Exec. Comm. of Bd., of Dirs., Caryll, Inc., 200 Grain Exchange, Minneapolis 15, Minn.

 YOUNG, TED. R. (SM¹59), Electronics Engr., FAA,

- Exchange, Minneapolls 15, Minn.
 YOUNG, TED R. (SM'59), Electronics Engr., FAA,
 Anchorage, Alaska.
 YOUNG, THOMAS P. (A'47-M'56), Sr. Electronics Engr.,
 Convair-Astronautics, San Diego. Calif.
 YOUNG, VICTOR J. (SM'52), Asst. V.P., Hazeltine Corp.,
 Little Neck 62, L.I., N.Y.
 YOUNG, W. RAE, JR. (A'42-SM'52), Mem. Tech. Staff,
 Bell Tel. Labs., 463 West St., New York 14, N.Y.
 YOUNG, WILLIAM D. (S'43-A'44-M'955), Teacher of Mathematics, Dade County Schools, Miaml. Fla.
 YOUNG, WILLIAM D. (S'48-A'51-M'56), Mem. Tech.
 Staff, Saace Technology Labs., Box 95/01, Los Angeles
 45, Calif.
 YOUNG, WILLIAM H., JR. (S'52-A'55), Fnor Linked
- YOUNG, WILLIAM H., JR. (S'52-A'55), Engr., United Aircraft Com Silver Lane, East Hartford 8, Conn
- YOUNG, WILLIAM H., J.R. 15/32-A/35/, Engr., United Aircraft Corn Silver Lane. East Newford R., Conn YOUNG, WILLIAM L. (S'54-M/56), Engr., -in-Chg. of Minitrack, RCA Service Co., Patrick AFB, Fla. YOUNG, WILLIAM R. (S'55-M/58), Elec. Engr., U. S. Bureau of Reclamation. Casper, Wwo. YOUNGBERG, REN E. (S'56-M/57), Electronics Engr., Microwave Group. Convair, Box 1950. San Dieoo. Calif. YOUNGBERG, WILLIAM A. (M'59), Missile Science Instr., Philico Corp., Ft. Bliss., Tex., YOUNGBLOOD, HERBERT R. (M'45), Consulting Electronics Engr., Lacey Field. Newburgh. N.Y. YOUNGBLOOD, I., JAMES (A'45-S-SM/54), V.P., Sales, Clarostat Mfg. Co., Inc., Dover. N.H. YOUNGBLOOD, WILLIAM A. (S'47-A'49-M'55), Asst. Prof., Elec. Engrg., MIT., Cambridge 39, Mass. YOUNGBLODD, WILLIAM A. (S'47-A'49-M'58), Aeronautical Research. N.A. C.A., Lanoley Field. Va. YOUNGER, COUSPY (A'59), Engr., GC., Schenectady, N.Y.

- N.Y.
 YOUNGER, HERBERT C. (S'55-M'58), Ensign, USN, ECM Research & Dev., Washington, D.C.
 YOUNGER, UDENE E. (A'44-M'55), Physicist, Naval Ordnance Test Sta., 3202 E. Foothill Blvd., Pasadena 8, Calif.

- Calif.

 YOUNGINGER, EDGAR J. (M'56), Field Engr., Bendix
 Aviation Corp.. Baltimore 4, Md.

 YOUNGQUIST, DAVID (M'58), Chief Engr., The Potter Co.,
 1950 Sheridan Rd., North Chicago, Ill.

 YOUNGQUIST, ROBERT J. (M'54), Supw., Electronics
 Dev., Magnetic Prods. Lab., Minnesota Mining & Mfg. Co.,
 2301 Hudson Rd., St., Paul 6, Minn.

 YOUNGSTROM, JERRY R. (S'56-M'59), Engr., Digital
 Electronics, Ampex Corp., 934 Charter St., Redwood City,
 Calif.
- Calif.

 YOUNGSTROM, N. C. (A'26-VA'39-M'55), Tech. Staff, 8ell Tel. Labs. . 463 West St. . New York 14. N.Y.

 YOUNKER, E. LEROY (M'54), Mem. Tech. Staff, Bell Tel. Labs. . Whilosan, N. J.

 YOUNSON, ERIC J. (A'46-M'46), Col., Rep. of Scientific Adviser, Ministry of Defence, British Joint Services Mission, 1800 K St., N. W., Washington 25, D. C.

 YOUNT, THOMAS L. (A'47-SM'49), Asst. Mgr., Weapon Support Engrg. , McDonnell Aircraft Corp., Box 516, St. Louis 66, Mo.

 YOUNT, WILLIAM R. (A'49). Research Asst. Aeronautical

- Louis 66, Mo.

 YOUNT, WILLIAM R. (A'49), Research Asst., Aeronautical Research Lab., Univ. of Kentucky, Lexington, Ky.

 YOURDON, F., RAYMOND (S'50-A'51-M'56), Subcontract Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y.

 YOURICH, ALEX A. (S'58-A'59), Tech. Writer, RCA Service Co., Camden, N.J.

 YOURKE, HANNON S. (A'55), Engr., 18 M, Poughkeepsie, N.Y.
- N.Y.

 YOUSAFI, KHAN N. (M'59), Communications Engr., Pakistan Internati. Airlines Corp., Karachi Internati. Airport, Karachi, Pakistan.

 YOUTCHEFF, JOHN S. (M'53), GE Co., Missile & Ordnance Systems Dept., Philadelphia, Pa.

 YDUTZ, PATRICK (S'51-A'53-M'55), Group Leaders, MIT, Lincoln Lab., Cambridge 39, Mass.

 YOVANOVICH, JOHN M. (A'5B), Venustiano Carranza 32-111, Mexico, D. F., Mexico.

 YOVITS, MARSHALL C. (M'59), Office of Naval Research, Washington, D. C.

 YOWELL, CLEYON O. (S'51-A'53), Mem. Tech. Staff,

- YOWELL, CLEYON 0. (S'51-A'53), Mem, Tech, Staff, Hughes Aircraft Co., 3B01 W. Artesia Blvd., Fullerton, Calif.
- YOWELL, GRDVER M., JR. (S'53-M'57), Lt., USN, Electronics Engr., Air Development Sqdn. One, VX-1, NAS, Key West, Fla.
 YRISARI, EDWARD, JR. (S'57-A'59), Sales Engr., C. G. Electronics Corp., 15000 Central, E., Albuquerque, N.M.

- N.M.

 YU. EDWIN K. C. (S'56-M'57). Endr. RCA. Camden. N.J.

 YU. HWA-NIEN. (S'54-M'57). Assoc. Endr., I8M, Research Center. Yorktown Heights. N.Y.

 YU., SE PUAN. (S'53-M'56). Mem. Tech. Staff, GE Research Lab., Schenectady. N.Y.

 YU., YEO PAY. (A'48-M'55). Electronics Lab., Inc., 249

 Terhune Ave., Passaic. N.J.

 YUDIN., BERNARD. (S'56-M'56). Design Engr., Ford Instrument. Co., 30-10.41 Ave., Long Island City 1, N.Y.

 YUEH., JOHN III. (M'55). Mgr., Reliability Engrg., Dert.,

 Lockheed Missile & Space Div., Box 504, Sumnyvale,

 Catif.
- VIEN, CLARENCE M.F. (M'57), Design & Dev. Trainee, RCA, Harrison, N.J.

 YUEN, PAUL C. (A'54-M'57), Research Engr., Illinois Institute of Technology, Technology Center, Chicago 16, III.

 YUG, ANTHONY C. (S'56-M'59), Jr. Engr., AC Spark Plug, Milwaukee, Wis.

- YUHARA, HIROO (M'58), Chief, Research, Measuring Equipment Sect., Radio Research Labs., Ministry of Posts & Telecommunications, Koganei-machi, Kitatamagun, Tokyo,
- Japan

 YULO, CARLO (S'51-A'53-M'57), Electronics Engr., FAA, Bureau, Research & Development, NAFEC-Experiment ation Div., Atlantic City, N. J.

 YUNI, WILLIAM (S'51-A'53-M'57), Project Engr., Digitronics Corp., Albertson Ave., Albertson, L. I., N. Y.

 YUNK, GEORGE W. (A'48-M'55), Electronics Engr., Dept. of Commerce, FAA, Washington 25, D.C.

 YUNKER, EDWIN A. (A'36-SM'45), Prof. & Chmn., Physics Dept., Oregon State College, Corvallis, Ore.

 YURASEK, JOHN F. (S'54-M'57), Electronics Engr., Allen B. DulMont Labs., Market St., East Paterson, N. J.

 YURECHKO, JOSEPH J. (S'57-A'58), Field Service Engr., Remington Rand Univac, 315 4 Ave., New York, N. Y.

 YURGARTIS, WATSON C. (S'49-A'52), Dev. Engr., IBM, Owego, N.Y.

 VURCIC, JOSEPH F. (M'57), Sr. Field Engr., Rendix

- YURGARTIS, WATSON C. (S'49-A'52), Dev. Engr., IBM, Owego, N. Y.
 YURICIC, JOSEPH F. (M'57), Sr. Field Engr., Bendix Radio, Baltimore, Md.
 YURKO, MICHAEL (M'53), Chief Sales TMC (Canada), Ltd., Billings Bridge, Ottawa, Ont., Canada, VURT, XAVIER (A'30-VA'39), Owner, Supreme Radio Co., 367 Washington St., Birighton 35, Mass.
 YUSEM, SEYMOUR (A'53-M'56), Electronics Engr., Chromatic Television Labs., Inc., 1501 Broadway, New York 36, N. Y.
- YUTKOWITZ, CLARENCE K. (M'55), Sr. Research Engr., Fairchild Camera & Instrument Co., Robbin's Lane, Syossett, L.I., N.Y.
- YUTZ, RICHARD W. (S'51-A'53-M'57), Project Engr., Philoc Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- ZABAWA, EDWARD P. (A'56), Lab. Tech. Asst., GE Co., 100 Woodlawn Ave., Plttsfield, Mass. ZABAWA, JOHN J. (M'57), Electronics Systems Engr., The Martin Co., Baltimore 3, Md. ZABETAKIS, STANLEY G. (S'49-A'51-M'56), Elec. Engr., Project Engr., Wright-Patterson AFB, Ohio.

- ZABLE, Wright-Patterson AFB, Ohio.
 ZABLE, WALTER J. (A'52-M'58), Pres., Cubic Corp.,
 2841 Canon St., San Diego 6, Callf.
 ZABLOCKI, HENRY S. (S'47-A'49-M'55), Sr. Engr., Markite Co., 155 Waverly Pl., New York 14, N. Y.
 ZABLUDOWSKY, ALEXANDER (A'54-M'59), Sr. Programmer Mathematician, Stone & Webster Engrg. Co., 49 Federal St.,
 Boston, Mass.
- ZABORSZKY, JOHN (SM'57), Prof., Elec. Engrg., Elec. Engrg. Dept., Washington Univ., St. Louis 5, Mo. ZABRISKIE, WALTER G. (S'56-M'59), Elec. Engr., RCA, Moorestown, N.J. ZABUSKY, NORMAN J. (S'50-A'53-M'58), 200 S. Catalina Ave., Pasadena 5, Calif.
- ZACHARELLIS, GEORGE (A'58), 23 Ave. "C," Bayonne,
- N.J.

 ZACHARIA, HARRY M. (A'52-M'56), Sr. Engr., Wasting-house Elec. Corp., 1405 Parker Rd., Arbutus 27, Md.

 ZACHARIAS, ELIS M., JR. (M'57), Mem. Tech. Staff, Bell Tel. Labs., Whippany, N.J.

 ZACHARIAS, ELIS M., JR. (M'57), MIT, 77 Massachusetts Ave., Cambridge 39, Mass.

 ZACHARIAS, RICHARD A. (S'54-A'55), Radio Broadcast Engr., WiNG, 121 N. Main St., Dayton, Ohio.

 ZACHARIAS, ROBERT (M'56), Mem. Tech, Staff, Ramo-Wooldridge, 5740 Arbor Vitae, Los Angeles 45, Calif. ZACHARIASON, RICHARD H. (SM'56), Mer., Chemical &

- WOODGRIGGE, J. 40 Ander Vitae, Los Angeles 4.5, Calif. ZACHARIASON, RICHARD H. (SM'156), Mgr., Chemical & Physical Lab., RCA, Lancaster, Pa. ZACHARIOU, HARRY (S'52-M'57), Program Engr., FAA, Federal Bidg., New York Internatl. Airport, Jamaica, L.I.,
- ZACHAROPOULOS, GEORGE (A'56), Engr., Psychophysiology Lab., Lafeyette Clinic, 951 E. Lafeyette, Detroit, Mich.
- ZACHAROV, BASIL (M⁴57), Research Fellow, Physics Dept., Imperial College of Science & Technology, Univ. of London, London, S.W. 7., England. ZACHARY, ROBERTA., JR. (M⁴49-SM^{*}59), Mgr., ECM Programs Engrg., GE Co., Military Electronics Plant, Utica, N.Y.
- ZACHER, GEORGE E. (A'57), Engr., AC Spark Plug, Mil-

- ZACHER, GEORGE E. (A'57), Engr., AC Spark Plug, Milwaukee, Wis.

 ZACHRY, DAVID S., JR. (A'52-M'57), Patent Atty., U.S.
 Atomic Energy Commission, Oak Ridge, Tenn.

 ZADANOWSKY, LAWRENCE (S'53-A'54), 2004 Ellis Ave.,
 Bronx 72, N.Y.

 ZADEH, LOTFI A. (S'45-A'47-M'50-SM'56-F'58), Prof.,
 Columbia Univ.. New York 27, N.Y.

 ZADOFF, SOLOMON A. (A'55), Research Engr., Sperry Gyroscope Co., Great Neck. L.I., N.Y.

 ZADRO, ANTHONY P. (S'54-A'55), Equipment Engr., Western
 Electric Co., 99 Church St., New York 7, N.Y.

 ZAGONE, PETER V. (M'57), Chief, Electronic Standards
 Lab., AFMDC, Holloman AF8, N.M.
 ZAHARICHUK, STEPHEN (S'55-M'56), Elec. Engr., Canadlan
 Chemical Co., Ltd., Box 99, Edmonton, Alta, Canada.

 ZAHIL, HAROLD A. (A'39-SM'46-F'50), Dir., Research,
 U.S., Army Signal Research & Development Lab., Ft. Monmouth, N.J.

 ZAHN, ERREST (A'53-M'57), Supvr., Tech. Publications.

- mouth, N.J.
 ZAHN, ERNEST (A'53-M'57), Supvr., Tech. Publications,
 Perkin-Elmer Corp.. Main Ave., Norwalk, Conn.
 ZAHN, PAUL E. (S'56-M'58), Elec. Engr., AC Spark Plug,
 1925 E. Kennilworth Pl., Milwaukee, Wls.
 ZAHNER, CHARLES F. (S'54-M'56), Dev. Engr., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N.J.
 ZAHNISER, RICHARD M. (A'51), Chief Engr., JET Broadcasting Co., Ash St., Erie. Pa.
 ZAHNISER, ROBERT W. (S'54-M'56), Ground Equipment
 Engr., Eastern Air Lines, Miami Internatl. Airport, Miami,
 Fla.
- ZAHVATOSHIN, KONSTANTIN V. (A'57), Chief Engr., State Comm. of Radioelectronics, 7 Kitaiskii Proezd, Moscow, U.S.S.R.
- U.S.S.R.
 ZAIDA, WALTER L. (A'54), Field Service Engr., Link Aviation. Inc., Plan #2, Binghamton, N.Y.
 ZAINO, ARTHUR L. (S'53-A'55), Group Supvr., Design & Packaging of Test Equipment, Raytheon Mfg. Co., Woburn St., South Lowell, Mass.

- ZAISER, JEROME E. (A'57), Methods Engr., Kester Solder Co., 4 201 Wrightwood Ave., Chicago 39, III. ZAITZEFF, EUGENE M. (S'57-M'59), Engr., Bendix Sys-tems Div., Ann Arbor, Mich.
- ZAK, EUGA, Fall F. (A '52'), Project Engr., Electronic Equipment Div., Litton Industries, Inc., 9261 W. 3rd St., Beverly Hills, Calif.

- HIIIs, Calif.

 ZAK, MARTIN A. (S'53-A'55), Engr., W.L. Maxson Corp.,
 460 W. 34 St.. New York 1, N.Y.

 ZAK, STANLEY J. (SM'57), Pres., Zak-Cowen & Associates,
 Inc., 7730 Carondelet Ave.. Clayton 5, Mo.

 ZAKAIB, LORNE J. (S'55-M'56), Jr. Engr., Canadian Marconi Co., Trenton Ave., Montreal, P.Q., Canada.

 ZAKARIAS, IMRE (M'57), Design Engr., IBM, Poughkeepsie,
 N.Y.
- N.Y. ZAKHAIM, MOSHE (A'49), Research Group Leader, Ministry of Defense, Scientific Dept., Box 7063, Hakirya, Tel-Aviv, Israel.
- ZAKLAD, SAUL (A'55), Project Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. ZAKOWSKI, LEO F. (A'43-M'54), Asst. Regional Mgr., Tech Rep. Div., Philco Corp., 1707 H St., N.W., Washington 6, D.C.
- D.C.
 ZAKREWSKI, JOSEPH E. (S'56-M'57), Project Engr., Clark
 Bros., Co., Olean, N.Y.
 ZAKS, ZEEVW. (A'53), Research Engr., Scientific Dept.,
 Ministry of Defense, Box 706.3, Hakirya, Tel-Aviv, Israel.
 ZALESKI, STANLEY J. (M'52), Electronics Engr., U. S.
 Army Signal Research & Development Lab., Ft. Monmouth,
 N.J.
- ZALKIN, DONALD M. (S'56-M'59), Engr., Airborne Instrument Lab., Mineola, L.I., N.Y.
 ZALKIN, SEYMOUR P. (M'58), Chief Electronics Engr., Lindly & Co., 248 Herricks Rd., Mineola, L.I., N.Y.
 ZALUSKI, JOSEPH P. (S'55-M'57), Engr., GE Co., Waynesboro, Va.
- Waynesboro. Va.

 ZALUSKY, CHARLES W. (A'54), Chief Computer, Technology
 Sect., Weapons Guidance Lab.), Wright Air Development
 Center, Wright-Patterson AF8, Ohio.
- ZAMBARELON, JOHN T. (A'48), Field Engr., Philco Corp., 22 St. & Lehigh Ave., Philadelphia 32, Pa. ZAMBO, JOHN W. (S'48-A'50-M'55), Elec. Engr., Morgan County Rural Electric Association, 309 Ensign St., Ft. Morgan, Colo.

- County August Technical Security (2014). And the Color of Coldsmith, 67-11-75 St., Middle Village 79. L.I., N.Y.

 ZAMITES, CHARLES J., JR. (M'56), Mem. Tech. Staff, Ramo-Wooddridge, Control Systems Dlv., 5500 El Segundo, Los Angeles, Calif.

 ZAMMIT, JOSEPH F. (M'56), Partner-Instrument Dlv. Mor., Murohy & Cota. 1106 Burke St., Winston-Salem, N. C. ZAMOYTA, JOSEPH A. (S'53-A'54), Engr., Westinghouse Elec. Coro.. Box 746, Baltimore 3, Md.

 ZAMPINO, FRANCIS J. (A'52), Engr., American Bosch Arma Coro.. Roossevelt Field. Garden City, L.I., N.Y.

 ZANBOORIE, MOHAMMED H. (M'57), Instr., Applied Mathematics, University of Colorado (Extension Center), 1100
 14 St., Denver, Colo.

 ZANCANATA, HAROLD W. (A'47-M'55), Electronics Engr..
- 14 St., Denver, Colo.

 ZANCANATA, HAROLD W. (A'47-M'55), Electronics Engr., Ballistic Research Labs.. Aberdeen Proving Ground. Md.

 ZANDALL, RICHARD R. (S'56-A'58), Customer Engr., 18M., 7321 Lake St., River Forest, III.

 ZANDER, CARL E. (A'54), Radio Engr., McClatchy Broadcasting Co., 2111 O St., Sacramento, Calif.

 ZANDER, THOMAS A. (M'57), Flight Test Engr., Douglas Aircraft Co., Inc., Santa Monica, Calif.

 ZANG, GEORGE R. (S'51-A'55), Engr., Hazeltine Corp., Little Neck 62, L.I., N.Y.

 ZANGENBERG, HENRY E. (M'56), Electronics Dev. Engr., Leddrel Labs., Div. of American Cyanamid, Pearl River, N.Y.

- N.Y.

 ZANICHKOWSKY, MARTIN (S'47-A'52-M'56), V.P., Lieco, Inc., 3610 Oceanside Rd. Oceanside, N.Y.

 ZANIN, BRUNO P., (M'58), Electronics Engr., Diamond Ordnance Fuze Labs.. Washington 25, D.C.

 ZANINI, ANTONIO (A'57), Research worker, Fondazione "U. Bordoni, "Vale Trastevere 189, Roma, Italv.

 ZANTOS, NICHOLAS G. (S'52-A'53-M'58), Sr. Engr., Raytheon Mg. Co., Bedford, Mass.

 ZAPHIROPOULOS, RENN (M'55), Mgr., Design & Dev., Vacuum Prods. Group, Varian Associates, 611 Hansen Way, Palo Alto, Calif.
- ZAPOTOCKY, ANDREW C., REV. (M'51), Design Engr., Gulton Industries, Inc., 212 Durham Ave.. Metuchen. N.J. ZAPP, KENNETH A. (A'58), 9120 Freeport Dr., Dallas 28,

- ZAPP, KENNETH A. (A'58), 9120 Freeport Dr., Dallas 28, Tex.

 ZAPPACOSTA, AMEDEO D. (M'46), Mgr., Project Engrg., Missile & Radar Engrg., RCA. Moorestown. N. J.

 ZAPPACOSTA, JOHN A. (S'41-A'43-M'55), Electronics Engr., U. S. Naval Base, Philadelohia, Pa.

 ZARATKIEWICZ, EDWIN A. (M'58), Sr. Engr., ITT Labs., Nutley 10, N. J.

 ZARCONE, CARL J. (S'57-A'58), Jr. Elec. Engr., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 9, N. Y.

 ZARCH, MAHMOOD (S'56-M'59), 5039 15 N.E., Seattle, Wash.

 ZAREM, A. M. (S'42-A'46-SM'54), Pres., Electro-Ootical Systems, Inc., 170 N. Daisy, Pasadena, Calif.

 ZAREMBA, CHARLES J. (A'53-M'58), Engr., Sperry Gyroscoe Co., Great Neck, L. I., N. Y.

 ZAREMBA, JERRY G. (M'58), Sr. Engr., Research, No. American Aviation, Los Angeles 45. Cailíf.

 ZAREMBSKI, ANTHONY T. (S'57-A'58), 215 Catherine

- ZAREMBSKI, ANTHONY T. (S'57-A'58), 215 Catherine St., Rockford, III.

- ZARCMDSKI, ANI HUNY I. (5'5',-4'58), 215 Catherine St., Rockford, III.

 ZARET, MATTHEW E. (A'47-M'48-SM'50), Assoc. Prof., The Cooper Union. Cooper Sc., New York 3. N.Y.

 ZARETSKY, ALBERT (A'52-M'57), Sr. Dev. Engr., Arma Coro.. Garden City, L.I., N.Y.

 ZARKOWER, BRUNN (A'58), Engr., Machlett Labs., Inc., 1063 Hope St., Sprinddale. Conn.

 ZARNOCH, EDWARD J. (S'55-M'57), Design Engr., RCA Victor. Moorestown, N. J.

 ZAROUNI, ALFRED (A'52-M'57), Mem. Tech. Staff, Bell Tel. Labs.. 463 West St., New York, N.Y.

 ZARUBA, EDWARD J. (A'50-SM'53), Special Project Engr., Automatic Electric Co., Northlake, III.

 ZARZECKI, FRANCIS S. (S'55-M'56), Chief Elec. Engr., Ajax Electrothermic. Ajax Pk., Trenton, N.J.

 ZASKALICKY, JULIUS J. (S'42-A'45-M'46), Patent Atty., GE Co., Syracuse, N.Y.

- ZASLAV, BERNARD (A¹54), Systems Engr., RCA, Moorestown, N.J.
- ZASLAV, BERNARD W:341, Systems Engr., KUA, Moorestown, N.J.
 ZASLAVSKY, SAM (A'44-M'55), Elec. Engr., Engrg. Consultant, 740 E. Gun Hill Rd., New York 67, N.Y.
 ZASLOW, JOSEPH (S'49-A'51-M'56), Mirs, Rep., Zaslow Sales Co., 108 Fox Croft Rd., West Hartferd 7, Conn.
 ZASTROW, KENNETH D. (S'51-A'53-M'58), Suppy, Electronics Scientist, Mine Fuze Branch, Diamond Ordnance Fuze Labs., Washington 25, D.C.
 ZATEZAIO, CEORDEE (ALSD) S. Flactenics Tach.

- ruze Labs., Washington 25, D.C.
 ZATEZALO, GEORGE E. (A'58). Sr. Electronics Technician, Goodyear Aircraft Corp., Akron., Ohio.
 ZATORSKY, ERNEST F. (A'25-VA'39), Sound Recording Engr., Free Lance. 120 Minerva Dr., Yonkers, N.Y.
 ZAVODA, JOHN P. (A'48-M'53), Box 327, Barry C-10, Passaic, N.J.
- Passaic, N.J.
 ZAWACKI, EUGENE C. (S'57-M'58), Assoc. Engr.,
 Systems, Arma Div., Carden City, L.I.. N.Y.
 ZAWADA, FRANK A. (M'58), Project Sect. Head, Raytheon
 Mfg. Co., Burlington, Mass.
 ZAWADA, JOHN D. (A'49), Mfg. Specialist, GE Co.,
 Utica, N.Y.
- Ultica, N.Y.
 ZAWELS, JAKOB (M'53-SM'59), Head, Engrg, Research, South African Iron & Steel Industrial Corp., Ltd., Box 450, Pretoria, Union of South Africa.
 ZAX, JEROME A. (M'59), Lt., USN, U.S., Naval Clc. School, Staff Training, Naval Air Sta., GLYNCO, Brunswick, Ga.

- wick, Ga. ZAXMAN, BENJAMIN (S'50-A'51-M'57), Systems Dev. Engr., Corporate Research Div., Aerojet-Genl. Corp., Azusa, Calif. Lag. Zayac, Calif. Zayac, Cal
- Tex.

 ZBACNIK, ERIC V. (S'51-A'53-M'58), Assoc. Engr.,

 The Magnavox Co.. Bueter Rd., Ft. Wayne 4, Ind.

 ZBAR, PAUL B., (M'47), Dir., ElA, Tech., Tralining Program,

 New York Trade School. 310 E. 67 St., New York, N.Y.

 ZBORIL, FRED R., (SM'56), Group Engr., Radiating Systems,

 Lockheed Aircraft Corp., Burbank, Calif.

 ZDANOWICH, CONSTANTINE A., (M'56), Logical Designer,

 Litton Industries, 336 N. Foothill Rd., Beverly Hills, Calif.

 ZDEB, STEPHEN E., (A'52-M'58), Proprietor, Stephen's

 Television Lab., School St., Chicopee, Mass.

 ZEAMANS, HAROLD R. (A'12-V439NL), Secy. & Counsel,

 Radio Receptor Co., Inc., 84 N. 9 St., Brooklyn 11, N.Y.

 ZEBROWITZ, STANLEY (S'48-A'49-M'55-SM'56), Re
 search Mgr., Philco Corp., 4700 Wissahickon Ave., Phil
 adelphia 44, Pa.

 ZEBROWSKI, MARVIN S., (A'59), Electronics Technician.

- searun mgr., printo Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

 ZEBROWSKI, MARVIN S. (A'59), Electronics Technician, Bendix Research Lab., Southfield, Mich.

 ZECCA, ALBERT A. (S'55-M'56), Elec. Engr., Radio Receptor Co., 240 Wythe Ave., Brooklyn, N.Y.

 ZECHER, ROBERT O. (A'50-M'55), Supvr., Test Equipment Engrg., HMED, GE Co., Syracuse, N.Y.

 ZECHEL, WILLIAM J. (S'50-A'50-M'56), Electronics Engr., Collins Radio Co., Burbank, Calif.

 ZECHMAN, RICHARD W. (A'58), Electronic Techniclan, Westem Electric Co., Laureldale, Pa.

 ZECHNOWITZ, ALVIN L. (S'51-A'53-M'58), Principal Engr., Ford instrument Co., 33-00 Northern Blvd., Long Island City 1, N.Y.

 ZECHTER, SOL (SM'57), Mgr., Advanced Communications Engrg., Philico Corp., 4700 Wissahickon Ave., Philadelphia 44, Pa.

- 44, Pa.
 ZEEK, ROBERT W. (M'47-SM'55), Electronics Engr., Naval Research Lab., Bellevue, Washington 25, D.C.
 ZEEMDER, RENE J. (SM'58), Research Staff Mem., Raytheon Mfg. Co., Waltham 54, Mass.
 ZEFTING, ARTHUR H. (M'51), Head, Sonar Dev., Stromberg-Carlson Co., 1400 N. Goodman St., Rochester 3, N.Y.
 ZEH, RICHARD J. (SM'57), Mem. Tech. Staff, Hughes Prods., Box 90427, Los Angeles 45, Calif.
 ZEHNER, WILLIAM J. (S'55-M'57), Engr., IBM, Endicott, N.Y.
- ENGIGOU, N.Y.
 ZEHR, NICHOLAS J. (A'27-M'46-SM'53), Transmitter
 Supvr., KPLR-TV, Chase-Park Plaza Hotels, St. Louis,
 Mo.

- Mo.

 ZEHR, RICHARD M. (S'48-A'50-M'56), Servomechanisms Engr., Bell Aircraft Corp., Box 1, Buffalo 5, N.Y.

 ZEICHNER, MARVIN L. (S'58-M'58), Raytheon Mfg. Co., Box 254, Wayland, Mass.

 ZEIDLER, HOWARD M. (M'45), Group Head, Stanford Research Institute, Menlo Park, Calif.

 ZEIDLER, SIDNEY (S'51-A'54), Design Engr., Ford Instrument Co., 31-10 Thomson Ave., Long Island City, N.Y.

 ZEIER, ALFRED J. (A'54), Head, TV Research Lab., 20th Century-Fox Film Corp., 460 W. 54 St., New York 19, N.Y.
- ZEIGER, KENNETH K. (S'56-M'58), 170 Bayard Dr.,
- ZEIGER, LOUIS 8. (A'30-VA'39-M'55), Owner & Engr., Simplex Electric Prods. Co., 4515 12 Ave., Brooklyn 19, N.Y.
- ZEIGLER, ANNE L. (M'59), Physicist, Pyramid Electric Co., Darlington, S.C.
- Co., Darlington, S.C.

 EIGLER, EARL S. (A'57), Specialist, Electronics Technician, Goodyear Aircraft Corp., 1210 Massillon Rd.,
 Akron 15, Ohio.

 ZEIGLER, KENNETH I. (A'54), Editor, Engrg. Books,
 McGraw-Hill Book Co., 330 W. 42 St., New York, N.Y.

 ZEIGLER, KENNETH O., JR. (A'57), Plant Mgr. & Chief
 Engr., Vend-A-Mation, Inc., 3080 Cleveland-Massillon Rd.,
 Barberton, Ohio.
- ZEIGLER, RICHARD H. (M'56), Engrg. Supvr., WSIX, Inc.,
- Nasnylle, Tenn.
 ZEINES, BEN (S'46-A'49-S'50-A'53-SM'58), Chg.,
 U.H.F. & TV Broadcasting Lab., RCA Institutes, Inc.,
 350 W. 4 St., New York, N.Y.
- 350 W. 4 St., New York, N.Y.
 ZEISLER, MELVIN D. (S'54-M'56), Elec. Engr., GE Co.,
 Syracuse, N.Y.
 ZEITER, WILLIAM E. (S'55-M'57), Partner, Imagineering
 Unlimited, 3020 N. 3rd St., Harrisburg, Pa.
 ZEITLER, GERALD A. (S'55-M'57), Elec. Engr., GE Co.,
 Handford Works, Richland, Wash.
 ZEITZEW, HARRIS (S'50-A'51-M'56), Exec. Staff Asst.,
 Capitol Records, Inc., 1730 N. Vine St., Hollywood 28,
 Calif.

- ZELAZO, NATHANIEL K. (M'4B-SM'52), Dir., Research & Special Prods., Avionic Div., John Oster Mfg. Co., 1 Main St., Racine, Wis.

- & Special Prods., Avionic Div., John Oster Mfg. Co.,

 1 Main St., Racine, Wis.

 ZELEN, HERBERT J. (A'53), Dev. Engr., ITT Labs.,
 Nutley 10, N.J.

 ZELENAY, JOSEPH (S'42-A'46), Owner, Joseph Zelenay
 Electric Co., 711 Otis Ave., Bell. Calif.

 ZELIFE, RAY J. (A'53), Radio Frequency Coil Dev. Engr.,
 Automatic Mfg. Co., 65 Gouverneur St., Newark, N.J.

 ZELINGER, FRED F. (M'53), Pres., Genl.; Electronics,
 Inc., 1032 Classen, Oklahoma City. Okla.

 ZELINGER, GEZA (A'44-M'46), Sr. Electronics Design
 Engr., Canadian Marconi Co., 2442 Trenton Ave.,
 Montreal 16, P. Q., Canada.

 ZELKOWITZ, LEONARD J. (A'56), Project Engr., Sperry
 Gyroscope Co., Great Neck, L.J., N.Y.

 ZELLER, HOWARD R. (A'46-M'55), Electronics Engr.,
 Convair, Pomona, Calif.

 ZELLER, HOWARD R. (A'46-M'55), Sales Engr., Raytheon
 Mfg. Co., Needham, Mass.

 ZELLER, JOHN F. (M'5B), Engr., Sperry Gyroscope Co.,
 Great Neck, L.J., N.Y.

 ZELLER, THOMAS R. (S'5B-A'59), Staff Asst., Sandia
 Corn., Sandia Base, Albuquerque, N.M.

 ZELLERS, JOHN E. (A'54), Engr., Sperry Gyroscope Co.,
 Creat Neck, L.J., N.Y.

- ZELLERS, JOHN E. (A'54), Engr., Sperry Gyroscope Co., Great Neck, L.I., N.Y. ZELLMER, LYNN R. (S'49-A'52-M'57), Design Engr., GE Co., Syracuse, N.Y.
- CO., Syracuse, N.Y.
 ZELLMER, NEALE A. (S'46-A'49-M'55), Sr. Staff Engr.,
 Lenkurt Electric Co., 955 Brittan, San Carlos, Callf.
 ZELLMER, WAYNE G. (S'52-A'53-M'5B), Guided Missile
 Design Engr., U. S. Naval Ordnance Test Sta., China Lake,
 Calif.
- Calif.

 ZELLNER, FREDERICK L., JR. (S'50-A'53-M'59), Chief Engr., Allegheny Broadcasting Corp., Pittsburgh, Pa.

 ZELONKA, FREDERICK A. (S'50-A'53-M'5B), Physicist, IBM, 600 Eglinton Ave., E., Toronto, Ont., Canada.

 ZELUFF, IRVIN S., JR. (SM'57), Mng. Editor, Electronics Equipment Engineering, Sutton Publishing Co., 172 S. Broadway, White Plains, N.Y.

 ZEMAN, JOHN A. (A'55), Chief, Communications & Elec.

 Div., Los Angeles County Flood Control District, Box 241B, Terminal Annex, Los Angeles 54, Calif.

 ZEMAN IOSEPH (S'64-M'5B). Fingr., Western Electric Co.,

- ZEMAN, JOSEPH (S'54-M'5B), Engr., Western Electric Co., 99 Church Ave., New York, N.Y. ZEMAN, PATRICIA A. (A'57), Tech. Writer, Bendix Radio, Joppa Rd., Towson 4, Md.
- ZEMANEK, HEINZ (M'57), Asst., Supplent, Technical Univ., Vienna, Institute for Telecommunication, Vienna,
- AUSTRIA.
 ZEMANEK, JOSEPH, JR. (S'49-A'50-M'55), Research
 Technologist, Magnolla Petroleum Co., Field Research
 Labs., Box 900, Dallas, Tex.
 ZEMANIAN, ARMEN H. (A'51-M'56-5M'5B), Assoc.
 Prof., Elec. Engrg., New York Univ., College of Engrg.,
 University Hgts., Bronx 53, N.Y.
- ZEMENICK, CHARLES J. (A'55), Sr. Research Engr., No. Amer. Aviation, Downey, Calif.
 ZENCHOFF, PHILIP (S'55-M'57), Sr. Engr., ITT Labs., Nutley 10, N. J.
- ZENDER, RAYMOND G. (A'22-M'43-SM'43), Exec. V.P., Lenz Electric Mfg. Co., 1751 N. Western Ave., Chicago
- ZENK, GEORGE E. (A'53-M'5B), Mem. Tech. Staff, Bell
- Tel. Labs., Whinpany, N.J.

 ZENNER, RAYMOND E. (M'46-SM'50), V.P., Union
 Thermoelectric Corp., Evanston, III.

- Thermoelectric Corp., Evanston, III.
 ZENON, ZENN (S'49-A'51-M'55), Electronics Engr., Advanced Engrg., GE.Co., Syracuse, N.Y.
 ZENS, RICHARD G. (M'5B), V.P. & Sales Mgr., Printed Electronics Corp., 7 North Ave., Natick, Mass.
 ZENTMAIER, KARL H. (S'54-M'56), Engr., Aircraft Radio Corp., Boonton, N.J.
 ZEOLI, CENE.W. (S'48-A'53-SM'58), Head, Analysis & Planning Sect., Advanced Dev. Dept., Hughes Aircraft Co., Culver City. Calif
- Sect., A v. Calif
- ZEPEOA, SALVADOR (A'56), Engr., Automatic Electric de Mexico, S.A., Insurgentes Sur 100 5, Mexico 6, D.F.,
- ZEPS, HERMAN R. (A'53), IT&T, E. Pontiac, Ft. Wayne,
- ING.
 ZERBY, ALTON B. (M'56), Consultant, Eta Kappa Nu Assn.,
 Box 372, Oilsburg, Pa
 ZERFAS, GERALD J. (A'53), Sr. Mem. Tech. Staff, RCA,
 Airborne Systems Lab., Burlindton, Mass.
- Airborne Systems Lab., Burlinnton, Mass.

 ZERKIN, MILTON (A'53-M'57), Sr. Elec. Engr., Allen B.

 DuMont Labs., Inc., 740 Bloomfield Ave., Clifton, N.J.
- DuMont Labs., Inc., 740 Bloomheld Ave., Girton, a ZERN, REBER T. (A'30-VA'39-M'55), Assoc. Prof., Drexel Institute of Technology, Philadelphia 4, Pa. ZETEKOFF, ALFRED (M'3B), Engr., FCC, 641 Washington St., New York, N.Y.
- , GEORGE A. (S'55-M'57), Dynamic Analysis Grumman Aircraft Engrg. Corp., Bethpage, L.I., ZETKOV,
- ZETKOV, JOHN R. (A'5B), U. S. Electronics Quality Control Inspector, New York Air Procurement District, 111 E. 16 St., New York, N. Y.

- 10 St., New York, N.Y.
 ZETROUER, WALLACE F. II (S'42-A'44-M'55), Asst. Prof., Univ. of Florida, Gainesville, Fla.
 ZETTEL, DONALD A. (S'56-M'5B), Engr., Designer, Burroughs Corp., 14300 Tireman Ave., Detroit, Mich.
 ZETTLER, SCHIRMER G. (M'54), Leader, Design & Dev., RCA Surface Communications, 75 Varick St., New York.
 13, N.Y.
- ZETTLER, WILLIAM R. (A'54), Engr., Raytheon Mfg. Co., Waltham, Mass.
 ZEULI, EMILIO A. (A'57), Electronics Engr., Warren Mfg. Co., Newton Rd., Littleton, Mass.
- Co., Newton Rd., Littleton, Mass.

 ZEUSCHNER, RAYMOND F. (A'44), Project Engr., Research Div., Standard Coil Prods. Co., Inc., 2100 N. Soto St., Los Angeles 32, Calif.

 ZEVENBERGEN, JOHN W. (S'51-A'53-M'5B), Research Engr., Deeing Aurolance Co., Seattle, Wash.

 ZIBELLINI, ANTONIO F. (A'57), Research Engr., C. Olivetti & C.S.P.A., Via del Capannone 16, Pisa, Italy.

 ZIBLATT, ROBERT (S'4B-A'50), Elec Engr., 77-41

 250 St., Jamaica 26, L.1., N.Y.

- ZICH, MIROSLAV M. (M'56), Electronics Engr., Consultant, Booz-Allen Applied Research, Inc., 40B W. Main St., Fairborn, Ohio.
- ZICKERMANN, CARL A. (M'56-SM'57), Head, Adminitration Div., Telefunken GmbH, 71, Sickingenstrasse, Berlin N.W., B7, Germany
- Berlin N.W., B7, Germany,
 ZIEGER MAIR, LUDWIG A. (M'59), Diagnostic Programmer, Genl. Precision Lab., Pleasantville, N.Y.
 ZIEGER, CARL H. (A'52-M'57), Sect. Chief, Electronics
 DIV., Sparton Corn., 2400 E. Ganson St., Jackson, Mich
 ZIEGLER, ALBERT A. (A'55), Mgr., Machine Accounting,
 Caterpillar Tractor Co., Box 34B, Aurora, III.
 ZIEGLER, ARTHUR W. (SM'53), Mem. Tech. Staff, Bell
 Tel. Labs., Whitpany, N.J.
 ZIEGLER, FREDERICK W. (A'50-SM'54), Head, Engrg,
 Debt., Armament Div., Sperry Gyroscope Co., Sunnyvale
 Dev. Center, 294 Commercial St., Sunnyvale, Calif.

- ZIEGLER, G. WARREN (A'57), Engrg. Technician, Arma Div., Garden City, L.I., N.Y.
- ZIEGLER, G., WARREN (A '5'), Engrg. Lectinician, Arma Div., Garden City, L.I., N.Y. ZIEGLER, GEORGE E. (SM'46), Technology & Patent Consultant, 3020 Grant St., Evanston, III. ZIEGLER, HANS K. (SM'56), Dir., Astro-Electronics Div., U.S. Army Signal Research & Development Lab., Ft. Mon-

- mouth, N. J.

 ZIEGLER, IVAN A. (M'57), Dev. Engr., Kaman Aircraft
 Corp., Old Windsor Rd., Bloomfield, Conn.

 ZIEGLER, NORVAL F. (A'55), Elec. Engr., Oak Ridge
 Natl. Lab., Oak Ridge, Tenn.

 ZIEGLER, ROBERT M., JR. (M'56), Mem. Tech. Staff,
 Hughes Aircraft Co., SDL., Culver City, Calif.

 ZIEGLER, RUOOLPH E. (5'50-A'52-M'57), Design Engr.,
 Westinghouse Elec. Corp., Box 1797, Baltimore 3, Md.

 ZIEGLER, THOMAS A. (M'59), Sect. Head, Range Analysis
 Sect., Pacific Missile Range, Point Mugu., Calif.

 ZIEHLKE, ROBERT J. (S'4B-A'50), Engr., Gibbs Mfg.
 & Research Corp., Janesville, Wis.

 ZIEMLKE, ROBERT J. (S'56-M'59), Training Program, RCA,
- & Research Corp., Janesville, Wis.
 ZIEHM, RICHARO T. (S'56-M'59), Training Program, RCA, Camden, N.J.
 ZIELESCH, BERT E. (M'49), Relief Engr., WHRM, State Radio Council, Rib Mountain State Park, Wausau, Wis.
 ZIELINSKI, CASIMIR A. (A'47-M'53), Engr., GE Co.,
- ZIEMAN, CLAYTON M. (S'46-A'49-M'55), Prof. & Head, Elec. Engrg. Dept., USAF institute of Technology, Wright-Patterson AFB, Ohio.
- Patterson AFB, Ohio.

 Patterson AFB, Ohio.

 ZIEMAN, HENRY E. (S'50-A'52-M'57), Design Engr., Lincoln Lab., MIT, Lexington 73, Mass.

 ZIEMELIS, VALDIS (A'49-M'55), Mgr., Engrg. Sect., RCA-Victor Co., Ltd., 1001 Lenoir St., Montreal, P.Q., Canada.

 ZIEMER, DOUGLAS R. (S'54-M'57), Engr., Texas Instruments, Inc., 6000 Lemmon Ave., Dallas 9, Tex.

 ZIEMER, ERWIN H. (S'57-A'5B), Lab. Technician, Inland Testing Labs., 6401 W. Oakton, Chicago, III.

 ZIEPER, RENRY S. (S'54-M'56), Instr., Worcester Junior College, Worcester, Mass.

 ZIEPER, SHEI DON M. (S'54-M'59), Engr., Sylvania Elec.

- College, Worcester, Mass.
 ZIEPER, SHELDON M. (S'54-M'59), Engr., Sylvania Elec.
 Prods., Inc., Needham, Mass.
 ZIERDT, CONRAD H., JR. (M'45-SM'54), Consulting Engr.,
 GE Co., Syracuse, N.Y.
 ZIGELBAUM, JOEL G. (S'57-A'59), Apprentice, Boston
 Naval Yard. Charlestown, Mass.
- ZIHERL, EDWIN J. (S'50-A'51-M'5B), Field Mgr., IBM, 3223 Wilshire Blvd., Santa Monica, Calif.
- ZIJLSTRA, PAUL (M'56-SM'56), Chief Engr., Quality Control, Electronic Tubes, c/o Bibliotheekcentrale, N.V. Philips Gloeilampenfabrieken, Eindhoven, Holland.
- state Electronics Corp., 707 E. Vermont, Anaheim, Calif.
 ZILBERSTEIN, R. MICHEL (M'59), Engr., R.D. Brew & Co.,
 Airport Rd., Concord. N.H.
 ZILIS, GEORGE S. (S'47-A'50-M'55), Engr., Illinois Bell
 Tel. Co., 212 W. Washington St., Chicago 6, Ill.
 ZILL, FREDERICK W. (M'55), Sr. Engr., Schlumberger Well
 Surveying Corp., Houston, Tex.
 ZILLER, MURRAY A. (A'54), Electronics Test Engr., Sikorsky
 Aircraft, Main St., Strafford, Conn.
 ZILLGER, WILLIAM H. (A'53), V.P. & Genl. Mgr., Standard
 Electronics Div., R.E.L., Inc., 29-01 Borden Ave., Long
 Island City 1, N.Y.
 ZILLMAN, JOEL R. (S'56-A'5P) ZIKE, WAYNE L. (A'5B), Sr. Electronics Technician, Inter-state Electronics Corp., 707 E. Vermont, Anaheim, Calif.

- Island City 1, N.Y.
 ZILLMAN, JOEL R. (S'56-A'5B), Engr., Technician, Rutherford Electronics Co., B944 Lindblade St., Culver City, Calif.
 ZILM, CHARLES F. (S'50-A'52-M'57), Sales Engr., Collins
 Radio Co., 2700 W. Olive Ave., Burbank, Calif.
 ZILMER, DELBERT E. (A'54), Mathematician, U.S. Naval
 Ordnance Test Sta., China Lake, Calif.

- Ordnance Test Sta., China Lake, Calif.
 ZIMBALATTI, ANTHONY G. (Mi-57), Electronics Engr.,
 Sperry Cyroscope Co., Great Neck, L.I., N.Y.
 ZIMBALIST, ALEBERT (Mi-57), Engr., American Bosch Arma
 Corp., Roosevelt Field, Garden City, L.I., N.Y.
 ZIMBEL, NORMAN S. (S'49-A'50-Mi-55), Sr. Staff Mem.,
 Gent. Precision Lab., Pleasantiville, N.Y.
 ZIMBLER, FRED B. (S'56-Mi-57), Elec. Engr., Cook Research Labs., 6401 W. Oakton, Morton Grove, III.
 ZIMET, MACK M. (S'51-A'52-Mi-5B), Principal Engr., Ford
 Instrument Co., 31-10 Thomson Ave., Long Island City 1,
 N.Y.
- ZIMMER, CARL R. (S'4B-A'50-M'56), Asst. Prof., Engrg., Arizona State Univ., Tempe, Ariz.
- ZIMMER, CARL K. (3-4B-A-3D-M-3D), ASSL Pfot J. Enjing., Arizona State Univ., Tempe, Ariz. ZIMMER, EDWARD D. (S-50-A-51-M-5B), Sr. Elec. Engr., Control Data Corp., 501 Park Ave., Minneapolis 4, Minn. ZIMMER, EUGENEW. (A-45-M-55), Asst. Project Adminis-trator, Hazeltine Electronics Corp., Little Neck 62, L.1.,
- ZIMMER, JOHN T. (S'51-A'53-M'5B), Design Group Head, Raytheon Mfg. Co., Wayland, Mass. ZIMMERLE, DONALD F. (S'53-A'55), Elec. Engr., USAF, Wright Air Development Command, Wright-Patterson AFB,

- Ohio.
 ZIMMERMAN, ALAN P. (M'56), Mem. Tech. Staff, Bell Tel. Lubs., Whippany, N.J.
 ZIMMERMAN, ARLEN J. (S'5B-M'5B), Elec. Design Engr., Remington Ranto univac, St. Faul 16, Minn.
 ZIMMERMAN, BARRY L. (S'55-A'57), Asst. Dev. Engr., Burrough Corp., Paoli, Pa.
 ZIMMERMAN, BERLIN L. (A'57-M'59), Supvy. Electronics Technician, JUSAF Civil Service Directorate of Advanced Technology, Holloman AFB, N.M.
- THE CONTROL OF THE CONTRO

- ZIMMERMAN, DEAN O. (S155-M157), 29 Lincoln Ave., Binghamton, N.Y.
- ZIMMERMAN, E. ALLAN (A'53), Electronics Technician, Sylvania Elec. Prods., Inc., 175 Great Arrow Ave., Buffalo 7, N.Y.
- IMMERMAN, FRED M. (A¹54), Secy.-Treas., Consultant, Abacus, Inc., 3040 Overland Ave., Los Angeles 34, Calif. ZIMMERMAN, CARNET E. (A¹5B), 1107 Rose Ave., Big Rapids, Mich.

- ZIMMERMAN, GARNET E. (A'5B), 1107 Rose Ave., Bin Rapids, Mich.
 ZIMMERMAN, GEORGE (A'57), Test Engr., Telectro Industries Corn., 35-17 37 St., Long Island City, N.Y.
 ZIMMERMAN, HALE G. (A'56), Consulting Engr., Remier Co., 24B1 Richard Ct., Mountain View, Calif.
 ZIMMERMAN, HARRY (M'5B), 102-17 64 Rd., Forest Hills 75, L.1., N.Y.
 ZIMMERMAN, HARRY (M'5B), 102-1765 Rd., Forest Hills 75, L.1., N.Y.
 ZIMMERMAN, HERMAN (M'59), Engr., Bell Tel. Co. of Canada, 1060 University Ave., Montreal, P. Q., Canada.
 ZIMMERMAN, HERMAN (M'57), Engr., Sperry Gyroscope Co., Inc., Great Neck, L.1., N.Y.
 ZIMMERMAN, HOWARD S. (M'56), Instr., California State Polytechnic College, San Luis Obispo, Calif.
 ZIMMERMAN, JACK (S'47-A'59-M'55), Prod. Testing, Chicago Aerial Industries, Inc., 1980 Hawthome Ave., Melrose Park, III.
 ZIMMERMAN, JACK K. (A'52-M'58), Electronic Scientist,

- rose Park, III.
 ZIMMERMAN, JACK K. (A'52-M'5B), Electronic Scientist,
 USN Electronics Lab., San Diego, Calif.
 ZIMMERMAN, LEROY O. (A'57-M'5B), Sound System Engr.,
 Southwest Radio & Sound Equipment Co., 151B N. St.
 Mary's St., San Antonio 2, Tex.

- Southwest Magno's Sound Equipment Co., 1918 N. St.
 Mary's St., San Antonio 2, Tex.
 ZIMMERMAN, LESTER (A'57), Engrg. Aide, Instruments for Industries, 150 Glen Cove Rd., Mineola, L.I., N.Y.
 ZIMMERMAN, MARK S. (A'51-SM'57), Staff Engr., Genl.
 Atronics Corp., 1 Bala Ave., Bala-Cymwd, Pa.
 ZIMMERMAN, MERLE G. (A'5B), Electronics Technician,
 RCA Service Co., Cape Canaveral, Fla.
 ZIMMERMAN, MOBERT (M'56), Pres. & Genl. Mgr., Electron
 Corp., Box 5570, Dallas 22, Tex.
 ZIMMERMAN, ROBERT (A'51), Field Service Rep., Hughes
 Aircraft Co., Culver City, Calif.
 ZIMMERMAN, ROBERT F. (A'46-M'46), Elec. Engr., The
 Natl. Cash Register Co., Main & K Sits., Dayton 9, Ohio.
 ZIMMERMAN, ROBERT L. (S'48-A'49-M'55), Asst. Chief
 Engr., Systems Integration, Sundstrand-Turbo, 10445 Glen
 Oaks Bivd., Pacoima, Calif.
 ZIMMERMAN, SAMUEL E. (M'5B), Engr., Westinghouse
 Elec. Corp., Box 1897, Baltimore 3, Md.
 ZIMMERMAN, SHERRILL L. (S'50-A'55), Dev. Engr., Aero
 Div., Minneapolis -Honeywell Regulator Co., 2600 Ridgeway
 Rd., Minneapolis -Honeywell Regulator Co., 2600 Ridgeway

- RO., MINNEADOIS 13, MTnn.

 ZIMMERMAN, SOLOMON (A'42-M'4B), Sr. Engr., Weinschel Engre. 10503 Metropolitan Ave., Kensington, Md.

 ZIMMERMAN, STANLEY W. (A'43-SM'49), Prof. of Elec. Engre.-in-Chg., High Voltage Research Lab., Comell Univ., Ithaca, N.Y.
- ZIMMERMAN, WILLIAM A. (S'4B-A'53-M'56), Geni. Mgr., Mobile Electronics Specialties, 1321 W. B Mile Rd., Detroit 3, Mich.
- ZIMMERMANN, HENRY J. (A'39-M'45-SM'4B), Prof., Elec. Engrg., Assoc. Dir., Research Lab. of Electronics, MIT, Cambridge 39, Mass.
- ZIMNOCH, JOSEPH J. (S'50-A'51-M'5B), Field Engr., Genl Precision Lab., Inc., Pleasantville, N.Y.
- Uent, Precision Lab., Inc., Pleasantville, N.Y.

 ZIMOV, LOUIS R. (A'44-SM'55), V.P., Mfg., Crosley
 Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25,
 Ohio
- Unio.

 ZINAMAN, HAROLD J. (S'54-M'57), Dev. Chemist & Tech.
 Service, Ruggert Corp. of America, Hicksville, L.I., N.Y.

 ZINCHUK, MICHAEL (S'39-A'4B-M'5B), 76 Gateway
 Dr., Springfield 9, Mass.

 ZINDLER, GEORGE F. (S'52-A'53-M'5B), Nuclear Engr.,
 Martin Co., Baltimore, Md.
- Martin Co., Baltimore, Md.
 ZINGG, JOHN F. (A'54), Electronics Scientist, USAF, Wright Air Development Center, Wright-Patterson AFB, Oliio.
- Olno .
 ZINGC, ROY J. (S'57-M'59), Instr., Elec . Engrg . Dept., Iowa State College , Ames , Iowa .
 ZINIUK , MICHAEL A . (S'42-A'45-M'51), Sr . Engr., Bendix Aviation Corp. , Research Labs . Div , Northwestern Hwy . & 10 1/2 Mile Rd . , Southfield Township , Mich .
- HWY & 10 1/2 mile Ro.; Solutifier Oliviship, American ZINK, ALVIN J., JR. (M'44-SM'51), Engr., United Shoe Machinery Corp., Research Div., Beverly, Mass. ZINK, RONALD L. (A'57), Electronics Instr., Radio Engr., Institute, 26:10 Leavenworth St., Omaha, Neb. ZINKE, OTTOP. (SM'54), Dr. Ing., Prof., Elec., Engr., Technische Hochschule Oarmstadt, Schlossgartenstr. B., Darmstadt, Germany.
- Darmstadt, Germany ZINKE, ROBERT L. (M'59), Engr., Sperry Gyroscope Co.,
- Great Neck, L.I., N.Y.
 ZINKUS, JOHN V. (A'55), Design & Dev. Engr., Collins
 Radio Co., Cedar Rapids, Jowa.
 ZINKY, WILLIAM R. (S'49-A'50-M'56), Sales Mgr.,
 Wallace Harper Co., Box BO7, Hong Kong, China.
- ZINN, ALFRED W. (S'51-A'53-M'57), Engr. 1st CI., FARRAND Optical Co., Inc., 4401 Bronx Blvd., New York 70, N.Y.
- York 70, N.Y.

 IINN, LEON (A'53-M'59), Consulting Engr., Bodin & Zinn, 174 5 Ave., New York 10, N.Y.

 INN, SANFORD 0. (S'55-M'57), Electronics Engr., Nortronics Div., Northrop Aircraft, Inc., Hawthorne, Calif.

 ZINN, TAYLOR B., JR. (S'52-A'52-M'57), Maj., USAF, Project Officer, AFBMD (AFMTO), Patrick AFB, Fla.
- Project Officer, AFBMD (AFMTC), Patrick AFB, Fla.
 ZINS, WILLIAM A. (S'54-M'57), Assoc. Engr., The Martin
 Co., Baltimore, Md.
 ZINSSER, HANS H. (A'55), Asst. Clinical Prof., Columbia
 Univ., College of Physicians & Surgeons, 620 W. 16B St.,
 New York, N.Y.
- ZINT, KARL E. (SM'50), Sr. Staff Engr., Cubic Corp., 5575 Kearny Villa Rd., San Diego 11, Calif. ZIOLKOWSKI, ADRIAN (A'46-M'50-SM'52), Sr. Physicist, Norden Lahs Corp., 121 Westmoreland Ave., White Plains.
- ZION, HARRY (A'49-M'55-SM'59), Sales Engr., Genl. Instrument Corp., 65 Gouverneur St., Newark, N.J.
- ZION, HARRY (A. 49-M-55-3M-59), Saise Engr., Jem. Instrument Corp., 65 Gouverneur St., Newark, N.J.. ZIONTS, SAMUEL (A.51), Pres., Cameradio Co., 1121 Penn Ave., Pittsburgh 22, Pa. ZIPF, ALFRED R. (A.54), V.P., Dir., Systems & Equipment Research, Bank of America NT&SA, 500 Howard St., San Francisco 5, Calif.
- ZIPPEL, GEORGE A. (A'59), B23 W. Knoll Dr., Los Angeles 46, Calil.

ZIPPERER, JOHN B. (A'58), Radar Maint. Technician, 117th AC&W Flight, Travis PO 974, Savannah, Ga. ZIPPLER, WILLIAM N. (A'51-M'55), V. P., Elec. Engrg., Gibbs & Cox., Inc., 1 Broadway, New York 4, N. Y. ZIRIN, MAXWELL J. (A'59), Project Engr., Curtiss-Wright Corp., 631 Central Ave., Carlstadt, N. J. ZIRKLE, RAYMOND E., JR. (A'55), Research Engr., Minneapolis 13, Minn.

- MINNEADOLIS 13, Minn.
 ZIRM, RUDOLPH R. (A'51-M'56), Electronics Scientist, U.S. Naval Research Lab., Washington 25, D.C.
 ZISERMAN, MARTIN (A'51-SM'56), Head, Engrg. 8ranch, Norden Labs., 121 Westmoreland Ave., White Plains, N.Y.

- N.Y.
 21SK, STANLEY H. (A'53-M'59), Research Asst., Stanford Univ., Palo Alto, Calif.
 2ISSELMAN, ARNOLD (A'54), Assoc. Project Engr., Genl. Precision Lab., Pleasantville, N.Y.
 2ITELLI, LOUIS T. (S'47-A'51-M'56), Sr. Engr., Varian Associates, 6.11 Hansen Way, Palo Alto, Calif.
 2ITKUS, ALPHONSE J. (A'54), Quality Control Analyst, Stewart Warner Electronics, 1300 N. Kostner Ave., Chicago 5.1, III.

- 51, III.
 21TOVSKY, SEYMOUR A. (A'53-M'58), Project Engr.,
 Kearlott Co., 1500 Main Ave., Clifton, N.J.
 21TZMANN, FRANK R. (S'55-M'57), Mem. Tech. Staff, Bell
 Tel. Labs., 463 West St., New York 14, N.Y.
 21TZOW, HAROLD P. (S'51-A'52-M'56), Project Engr.,
 Sylvania Elec. Prods., Inc., Needham, Mass
 21V, JACO8 (A'57), Sr. Research Engr., Ministry of
 Defence, Scientific Dept., Box 7063, Hakirya, Tel-Aviv,
 Israel
- Israel
 ZIVITOFSKY, FRED 1. (A'54), Engr., Kollsman Instrument
 Corp., 80–08 45 Ave., Elmhurst 73, L.I., N.Y.
 ZIVOTOFSKY, 8ERNARD (M'58), Elec. Engr., Polytechnic
 Research & Development Co., 202 Tillary St., 8rooklyn,
 N.Y.
- N.Y.
 ZIZZA, LOUIS R. (M'59), Engr., GE Co., Syracuse, N.Y.
 ZLACHEVSKY, 8ANET (S'57-A'58), Engrg, Aide, Eastern
 Precision Resistor Corp., 675 Barbey St., Brooklyn, N.Y.
 ZLYDAK, VALENTINE J. (S'56-M'58), Jr. Electronic
 Engr., ITT Labs., Nutley 10, N.J.
 ZMESKAL, ALDRICH (SM'56), Project Mgr., Genl. Mills,
 Inc., (Mech. Div.), 2003 E. Hennepin, Minneapolis,
 Minn.

- MOLEK, CHARLES R. (M'58), Sect. Chief, Western Electric Co., 220 Church St., New York, N.Y. ZMUDA, EUGENE J. (S'48-A'51-M'56), Applications Engrg. Specialist, Tung-Sol Electric, Inc., 200 Bloomfield Ave., Bloomfield, N.J.
- ZOBEL, FERICH V. (M'50), Mng. Dir., Radio Hispano Suiza, S.A., Paseo de Gracia, 93, Barcelona, Spain ZOBEL, EUGENE R. (A'42-M'55), Sr. Dev. Engr., M neapolis-Honezwell Regulator Co., 2600 Ridgway Rd. Minneapolis 18, Minn
- ZOBEL, FREDERICK J., JR. (S'55-M'56), Lockheed Missile & Space Div., Sunnyvale, Calif, 208RIST, GEORGE W. (S'58-M'59), 218 Robalo St., Ridgecrest, Calif,
- ZOERNER, JAMES R. (S'51-M'55), Circuit Design Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington, Cincinnati 25, Ohio.

- nati 25, Ohio.

 ZOESCH, ARNOLD C. (A'52), Design Engr., GMC, Prospect & Kenilworth Ave., Milwaukee, Wis.

 20FFEL, GEORGE I. (S'58-M'59), Elec. Engr., Pitts-burgh Plate Glass Co., 8ox 11447, Pittsburgh 38, Pa.

 20GG, FREDERICK E. (SM'57), Project Engr., Stromberg-Carlson Co., 1400, Goodman St., Rochester 9, N.Y.

 20HAR, SHALHAV (A'54), Research Fellow, Microwave Research Institute, Polytechnic Institute of Brooklyn, 55

 Johnson St., Brooklyn 1, N.Y.

- Johnson St., Brooklyn 1, N.Y.
 ZOHN, RUSSELL L. (4-50-M'55), Prod. Erg r., Electronic
 Tube Corp., Philadelphia, Pa.
 ZOLA, MEYER J. (A'55), Elec. Engr., Genl. Precision
 Lab., 63 Bedford Rd., Pleasantville, N.Y.
 ZOLD, TIBOR (M'58), Engr., Manitoba Telephone System,
 166 Portage Ave., E., Winnipeg 1, Man., Canada.
 ZOLIN, FRED H. (A'53), Asst. Operations Chief, Western
 Union Telegraph Co., 320 E. Wisconsin Ave., Milwaukee,
 Wis.
- Wis.

 ZOLL, DANIEL J. (M'57), 1215 S. "N" St., Oxnard, Calif.

 ZOLLER, CURT J. (S'48*':50-M'56), Supvr., Guidance
 Systems, Missile Div., No. Amer. Aviation, Downey, Calif.

 ZOLLFREI, CURT D. (S'49-A'51), Project Engr., Laboratorios Electronicos Zollfrei S.R.L., Godoy Cruz 1349,

 Buenos Aires 14, Argentina.

 ZOLTANI JAMIN (SES. MIS6), Foor. RCA Conden 2
- ZOLTAN, IVAN N. (S'55-M'56), Engr., RCA, Camden 2,
- N.J.

 ZOMBER, GERARD L. (M'53), Sr. Project Engr., Avion
 Div., ACF Industries, Inc., 299 Hwy. 17, Paramus, N.J.

 ZOMBOLAS, GEORGE P. (A'54), Electronics Field Engr.,
 Erco Div., ACF Industries, Inc., 80x 209, Hyattsville, Md.

 ZOMMERS, OSVALDS (S'57-M'58), 400 Prince Arthur St.,
 W., Montreal, P.Q., Canada.

 ZONGKER, RAYMOND C. (A'52-M'57), V.P., Chlef Engr.,
 Ideal Speciality Co., 2531 E. Independence St., Tulsa 10,
 Okla.

- ZUNIS , FRANK I. (M'59), Mem. Tech. Staff , RCA Labs.,
- Princeton, N.J.

 ZOPATTI, RICHARD C. (S'50-A'53-M'58), Elec. Engr.,
 D.J.L. Staff, MIT Lincoln Lab., Lexington 73, Mass.

 ZOPF, DAVID O. (S'50-A'53-M'57), Sect. Head, Electronics Systems, Curtiss-Wright Corp., 8ox 689, Santa Barbara, Calif.
- 20PF, VINCENT R. (S'52-M'56), Project Engr., Sklatron Electronics & Television Corp., 180 Varick St., New York 14, N.Y.
- 14, N.Y.

 ZOREF, ARTHUR S. (A'56), Engr., Curtiss Wright Corp.,
 Electronics Div., Carlstadt, N.J.

 ZURGER, PAUL H. (M'57), Sr. Electronics Engr., Bendix
 Aviation Corp., York, Pa.

 ZORRILLA-CARCANO, MANUEL (M'54), Torres Adalld
 1209, Mexico 12, D.F., Mexico.

 ZORZY, JOHN (M'59), Research Physicist, Trans-Sonics,
 Inc., Burlington, Mass.

 ZOTTU, PAUL D. (A'31-M'38-SM'43-F'44), Pres. & Consulting Engr., Industron Corp., 55 Neekham St., Newton
 Highlands 61, Mass.

 ZOURIDES, VICTOR G. (M'57), Flee, Engr., Sparry.

- ZOURIDES, VICTOR G. (M'S7), Elec. Engr., Sperry Gymscope Co., Great Neck, L.I., N.Y. ZOWTIAK, JOHN (S'50-A-'S1-M'56), Instrumentation Supvr., Accurate Exploration, Ltd., 8ox 4399, Edmonton, Alta., Canada.
- Canada, ZRAKET, CHARLES A. (S'50-A'52-SM'57), Dept. Head, Mitre Corp., Box 208, Lexington 73, Mass. ZRUBEK, WILLIAM E. (S'56-M'58), Engr., Westinghouse Elec. Corp., Box 746, Baltimore 3, Md. ZUBEK, JACO8 (S'55-M'57), Elec. Engr., Westinghouse Elec. Corp., Dir., Systems Dept., 356 Collins Ave., Pittsburgh, Pa.
- ZUCCARO, SALVADORE J. (A'56), Research Asst., Telemeter Magnetics, 2245 Pontius, Los Angeles 64, Calif.
 ZUCCO, VINCENT S. (M'58), Test Equipment Engr., IBM,
- Kingston, N.Y.

 2 UCK, RAY A. (A'55), Staff Engr., Genl. Atronics Corp.,
 1 Bala, Bala Cymwyd, Pa.

 2 UCKER, FRANCIS J. (A'53-M'58), Consultant, Electromagnetic Radiation Lab., Chief, Waves & Circuits Sect.,
 Air Force Cambridge Research Center, Bedford, Mass.

 2 UCKER, HENRY (M'58), Research Engr., Amnour Research
 Foundation, 10 W. 35 St., Chicago 16, III.

 2 UCKER, MICHAEL S. (S'52-A'54-M'59), Advisory Engr.,
 1 BM, Yorktown Heights, N.Y.

 2 UCKER, SIDNEY M. (A'54), Merchandise & Purch. Mgr.,
 Roburn Agencies, Inc., 431 Greenwich St., New York 13,
 N.Y.

- ZUCKERBERG, HARRY (A'47-M'55), Exec. Engr., M.B. Design Consultants, Inc., 232 W. 48 St., New York 36, N.Y.
- ZUCKERMAN, YALE N. (\$'53-A'54), Instr., IBM, Kingston,
- N.Y.

 ZUEFELDT, RICHARD D. (M'57), Sr. Research Engr.,
 Electronics Div., Ryan Aeronautical Co., San Diego, Calif.
 ZUEHLKE, ELMER R. (S'50-A'52-M'57), Project Mgr., Librascope, Inc., 808 Western Ave., Glendale I, Calif.
 ZUEHLS, ERWIN J. (A'58), Electronics Lab. Technician,
 The Hallicrafters Co., 4401 W. 5 St., Chicago 24, III.
 ZUERCHER, DONALD H. (A'54), Electronics Control Technician, Minnesota Mining & Mfg. Co., 900 Bush, St. Paul
 6, Minn.

- ZUIDHOF, ALBERT (A'56-M'58), Engr., Measurement Engrg., Ltd., Arnprior, Ont., Canada. ZUK, BORYS (S'56-M'58), Computer Engr., RCA, Somerville, N.J.

- Somerville, N.J., 2UK, PAUL (A'53-M'58), Mem. Tech. Staff, 8ell Tel. Labs., 555 Union 8lvd., Allentown, Pa. 2UKAUSKAS, PETER J. (A'55), Engr., Electronics Prod-uction, Martin Co., Battimore, Md. 2UKERMAN, LESTER G. (SM'58), Project Engr., United Electrodynamics Corp., 200 Allendale Rd., Pasadena, Catif.
- ZUKIN, ARTHUR S. (S'46-A'49-M'55), Mgr., Equipment Dev. Dept., Information Processing Div., Lockheed Missile Systems Div., Palo Alto, Calif.
- ZUKOWSKI, JOSEPH A. (S'51-A'53-M'58), Teacher, Tech. Elec. & Electronics Curr., Cass Technical High School, 2421 2nd., Detroit, Mich.
- ZUKOWSKY, WALTER S. (S'58-M'59), 22 Glenbrook Rd., Stamford, Conn.
- ZULEEG, RAINER (A'53-M'55), Research Physicist & Sr. Engr., Sprague Electric Corp., 235 Marshall St., North Adams, Mass.
- Adams, Mass. ZULLO, WILBUR J. (A'55-M'57), U.S. Rep., RACAL Engru., Ltd., Western Rd., Bracknell, Berks, England, ZUMBA, CHARLES F. (A'54-M'56), Mem. Tech. Staff Ramo-Wooldridge, 8ox 90534, Airport Sta., Los Angel Ramo-Wool 45, Calif.
- ZUMKEHR, JOHN L. (A'54), Sr. Dev. Engr., Goodyear Air-craft Corp., 1210 Massillon Rd., Akron 15, Ohio.
- craft Corp., 1210 Massillon Rd., Akron 15, Uhio.
 ZUMMALT, BERYL C. (4'52-M'57), Chief Warrant Officer,
 USAF, Hqrs., USAF Security Service, Kelly AF8, Tex.
 ZUNICH, MICHAEL (4'57), Communications, U.S. Army,
 Hqrs. Co., 320th U.S. Army Security Agency Bn., AP0
 108, New York, N.Y.

- ZUNITCH, DANIEL M. (S'52-A'54-M'59), Elec. Engr., Hardesty & Hanover, 101 Park Ave., New York, N.Y.
 ZUPAN, BENET (S'55-M'57), Assoc. Engr., Sperry Gyrosope Co., Great Neck, L.I., N.Y.
 ZUPANSKY, MILO (A'50), Instrument Engr., Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio.
 ZUPNICK, IRVING N. (A'45-M'49), Engr., Airtronix Development Co., 4902 Church Ave., Brooklyn 3, N.Y.
 ZURA, EDWIN A. (M'59), Project Engr., USASA Special Project Unit, Vint Hill Farms Sta., Warrentown, Va.
 ZURBRIGGEN, JOHN H. (A'47-M'55), Chief Sound Engr., Hotel Statler, 9 & Washington Sts., St. Louis 1, Mo.
 ZURCHER, LESTER A. (A'42-SM'56), Radar Systems Engr., Goodyear Aircraft Corp., 1210 Massillon Rd., Akron, Ohio.
 ZURCH, WILLLAM G. (A'54), Partner, Litchfield Radio & Television Service, Torrington, Litchfield, Conn.
 ZURN JAMES T. (M'56), Field Engr., Autonetics Div., No., Amer., Aviation, Downey, Calif.
 ZUROFF, CHARLES A. (S'53-M'56), Asst., Elec. Engrg., Columbia Univ., New York 27, N.Y.
 ZUSAG, ROBER T. (S'58-M'59), Electronics Engr., Convair, Pomona, Calif.
 ZUSCHIN, HERBERT L. (A'59), Instr., Elec. Engrg., Manhattan College, 80x 182, New York 71, N.Y.

- vair, Pomona, Calif.

 USCHIN, HER8ERT L. (A'59), Instr., Elec., Engrg., Manhattan College, 8ox 182, New York 71, N. Y.

 ZUSMAN, ALBERT G. (S'51–A'53–M'58), Sr., Engr.,
 Advanced Dev., Div., Avco. Mfg., Corp., 201 Lowell St.,

 Wilmington, Mass., Avco. Mfg., Corp., 201 Lowell St.,

 VISMAN, AMS., Avco. Mfg., Corp., 201 Lowell St.,

- Wilmington, Mass.

 ZUSMAN, DANIEL (A:53-M'58), Project Engr., Motorola, Inc., 3102 N. 56 St., Phoenix, Ariz.

 ZUTKOFF, AARON I. (S'49-A'53), Project Engr., Bendix Radio Div., Towson 4, Md.

 ZUZOLO, PETER R. (M'57), Sr., Research Engr., Antenna Lab., Republic Aviation Corp., Farmingdale, L. J., N. Y.

 ZWACK, HERBERT W. (S'54-M'56), Design Engr., Airborne Instrument Lab., Mineola, L. J., N. Y.

 ZWARRA, HERBERT J. (A'47-M'53), Supvr. Engr., Wisconsin Telephone Co., 740 N. Broadway, Milwaukee 2, Wis.

 ZWART, CORNEI III.S. G. (M'56), Mar., Alborne Systems
- ZWART, CORNELIUS G. (M'56), Mor., Airborne Systems Projects, Airborne Systems Dept., RCA, Camden 2, N.J. ZWART, REINIER (A'56), Project Senorita, APO 284, New York, N.Y.
- York, N.Y.
 ZWASKA, JOHN F. (M'54), Tech. Advisor, Hgrs., Air
 Proving Ground Command, Eglin AFB, Fla.,
 ZWAYER, BARD E. (S'49-A'50-M'58), Mfg. Engr., GE
 Co., Clincinnati 15, Ohlo.
 ZWEIBEL, JOSEPH (S'47-A'50-M'58), Engr., Advanced
 Dev. Group, Airtron, Inc., 200 E. Hanover Ave., Morris
 Plains, N.J.

- Plains, N.J.

 ZWEIER, IRVING (M'56), Sr. Engr., Westinghouse Elec.
 Corp., Friendship Airport, Baltimore 3, Md.

 ZWEIFEL, FRED A. (A'45-M'53), Genl. Engr., San
 Francisco Naval Shipyard, San Francisco 24, Calif.

 ZWEIFLER, IRVING (S'47-A'50-M'55), Electronics Production Sunt., Polytechnic Research & Development Co., Inc.,
 202 Tillary St., Brooklyn 1, N.Y.

 ZWEIG, FELIX (A'52-M'57), Prof., Elec. Engrg., Yale
 Univ., 10 Hillhouse Ave., New Haven 11, Conn.

 ZWEIZIG, J. ROOERICK (S'47-A'49-M'55), Assoc. in
 Engrg., Univ. of California at Los Angeles, Los Angeles
 24, Calif.

- 24, Calif.

 ZWERLING, MILTON (A'57), Design Engr., Raytheon Mfg.
 Co., Wayland, Mass.

 ZWICK, GEORGE (S'40-A'41-M'55), Engr., Airborne
 Instrument Lab., Mineola, L.I., N.Y.

 ZWIEP, THEODORE C. (S'50-A'51-M'57), Project Engr.,
 Lear, Inc., 110 Ionia, N.W., Grand Rapids, Mich.

 ZWIRN, HERBERT L. (A'59), Genl. Sales Mgr., Atlas
 Precision Prods. Co., 3801 Castor Ave., Philadelphia
 24, Pa.
- ZWISSLER, HOWARD R. (A'50), Project Engr., The Standard Register Co., 626 Albany St., Dayton 8, Ohio. ZWOSADA, RENE L. (SM'58), Mgr., Lignes Telegraphiques et Telephoniques, 89 Rue de la Faisanderie, Paris 16,
- ZWORYKIN, VLADIMIR K. (M'30-F'38), Honorary V.P. & Tech. Consultant, David Samoff Research Center, RCA Labs., Princeton, N.J.; Affiliate Mem., The Rockefeller
- Labs., Princeton, N. J.; Affiliate Mem., The Rockefeller Institute for Medical Research, New York, N. Y.
 YYDNEY, HERBERT M. (S'54-M'56), Teaching Asst., Columbia Univ., Elec. Engrg. Dept., New York 27, N. Y.
 YGADLO, FERDINAND (S'55-M'58), Engr., Sylvania Elec. Prods., Inc., Waltham 54, Mass.
 ZYGMUNT, HENRY J. (A '40-M' 47), Design Engr., Union Switch & Signal Co., Swisswale, Pa.
 ZYLLA, HENRY R. (S'47-A'50-M'58), Sr. Engr., Sperry Gyroscope Co., Great Neck, L. I., N. Y.
 ZYSKOWSKI, JOSEPH J. (M'58), Elec. Engr., ITT Labs., Nutley 10, N. J.
 SYSMON, BENJAMIN (M'59). Instrumentation Engr., American.

- Z YSMAN, BENJAMIN (M'59), Instrumentation Engr., American Machine & Foundry Co., 11 Bruce PI., Greenwich, Conn.
- Z YZ YS, ED MUND A. (S'57-M'59), Electronics Engr., FAA, Box 5767, Indianapolis 21, Ind.

GEOGRAPHICAL LISTING OF MEMBERSHIP

The names of all members as of May 29, 1959, except those of student grade, are listed below according to Proceedings mailing address. Following the name of each city is an abbreviation and a number indicating the IRE Section and Region, respectively, in which it is located. The Sections are abbreviated as follows:

- Alamogordo Holloman Al.7 – Albuq Alamos ANC7 – Anc Albuquerque-Los Anchorage ANC7 - Anchorage
AT3 - Atlanta
BA - Buenos Aires
BA13 - Baltimore
BAY8 - Bay of Quinte
BII - Binghamton
BN1 - Buffalo-Niagara BOST -Boston Beaumont-Port CF6 — Central Florida CH15 — Chian-Arthur - Chicago Cincinnati CIN4 Cincinnati CIA- Cleveland CL7—China Lake

CP4- Central Pennsyl-CP4— Central Pennsylvania
CR5—Cedar Rapids
CV1—Connecticut Valley
DAL6—Dallas
DAY4—Dayton DEN6 - Denver -Detroit -Elmira-Corning DET4 EG – Egypt EMP4 – Emporium EO5 – Evansville-Owensboro EP6 – El Paso FRI Fort Huachuca Fort Wayne FTH7 FW6 Forth Worth HAM8 – Hamiltor HAW7 Hawaii HOU6 – Houston - Hamilton Hawaii

HUN3—Huntsville IND5—Indianapolis IS—Israel ITH1—Ithaca KC6 LA7-L12-- Kansas City LA7— Los Angeles L12—Long Island LON8—London LOU5 Louisville Little Rock LR6 = Lubbock M13 – Miami M1L5 – Milwa MON8 – Mon Milwaukee — Montreal —North Alberta NALS. North Carolina Newfoundland Northern New Jersey NNJ2 New Orleans Northwest l'Iorida NWF3

New York Oklahoma City Omaha-Lincoln Orlando Ottawa PHB Philadelphia PHO7 - Phoenix Pittsburgh PIT4 POR7 Portland - Princeton - Princeton - Quebec - Regina QUF8-REG8-RU1 Rome-Utica SA6 San Antonio SAC7 Sacramo SAC7 - Sacramento SAL8 - South Alberta SBM5 - South Bend-Mishawaka 3 - South Carolina

SCH1—Schenectady SD7—San Diego SD7—San Diego SEA7—Seattle SF7—San Francisco SHR6 - Shreveport SL6- Saint Louis SLC7 - Salt Lake C Salt Lake City Syracuse Twin Cities Tokyo TOI 4 Toledo TOR8 TUC7 Toronto Tucson TUL6 Tulsa VA3-VAN8-WA3-Virginia
Vancouver
Washington, D.C. WIL4 - Williamsnort WIN8--Winnipeg Western Massachusetts WMI4-Western Michigan

UNITED STATES ALABAMA

Anniston (HUN-3) Boeckman, J. F. (M)

CO—Colombia COL4— Columbus

Arab (HUN-3) Howard, J. R. (M)

Atliens (HUN 3) Hogston, C. R. (A) Sanders, J. F. (A)

Auburn (ATL-3)
Graf, E, R. (M)
Honnell, M, A. (SM
Lowry, J. L. (M)
Murohy. G. L. (M)
Sherman, J. D. (M)
Summer, H. M. (M) (SM)

Bayou La Batre (NO-6) Krise, R. F. (A)

Birminoham (HUN-3) Bradley , B , C , (M) Carl , H , D , (A) Carter , R , M , (M) Chapman , J , E , (M) Chapman, J. E. (M)
Cordero, F. (A)
Cordero, F. (A)
Cordero, F. (A)
Cordero, F. (A)
Davenport, G. M. (A)
Davenport, G. M. (M)
Davis, H. G., Jr. (M)
Emens, F. H. (M)
Fieck, K. A. (M)
Gray, C. M. (M)
Humphreys, T. G., Jr. (M)
Malone, A. (A)
Patton, R. S. (M)
Phillips, D. E., Jr. (A)
Sartain, A. (M)
Schwab, W. G. (M)
Waltace, W. C. (M)
Waltace, R. J. (A)
Whitaker, W. H., Jr. (M)

Boaz (HUN-3) Hamby, H. W. (M) Noel, J. E. (M)

Chickasaw (ND-6) Henter, C. R. (M)

Cullman (HUN-3) Calvert, R. D. (M)

Decatur (HUN-3)
Carl, W. L. (A)
Frisbee, F. W. (A)
Kuhlberg, L. E. (M)
Roberts, R. P., Jr (A)
Woodbery, H. S. (A)

East Gadsden (HUN-Weston, J. B. (A)

Elberta (ATL-3) Hance, L. V. (A)

Fairfield (HUN-3) Clements, C. C. (M)

Foley, (ATL-3) Hutchinson, W. R. (A)

Fort Rucker (ATL-3) Hulit, C. E. (M) Waller, S. L. (M)

Gadsden (HUN-3) Feaster, W. M. (M)

Contersylle (HUN-2) Elder, L. D. (M) Hartselle (HUN-3) Brown, R. M. (Self, F. J. (M)

Harvest (HUN-3) Pamell, C. C., Jr. (A)

Horton (HUN-3) Morgan , A , D , (A) Huntsville (HUN-3)
Allaback, W. (A)
Allen, W. S. (A)
Anderson, H. L. (M)
Angele, W. (A)
Atherton, J. R. (M)
Avery, J. D. (M)
Baily, R. M. (A)
Barr, T. A. (A)
Barron, T. C. (M)
Black, A. M. (M)
Blanton, J. E. (M) Blanton, J. E. (M) Bratcher, A. L. (S Brock, C. O. (M) Bull, J. T. (M) Dull J. J. L. (M)
Burl J. J. F. (M)
Burl P. J. F. (M)
Butler J. F. (M)
Butler J. F. (M)
Butler J. F. (M)
Cantrell, E. R. (M)
Clamens, J. K. (M)
Cleven, R. D. (M)
Cleven, R. D. (M)
Cook, W. H., J. T. (M)
Copland, D. E. (M)
Culver, W. N. (A)
Currie, R. E. (A)
Daly, J. A., Jr. (A)
Daniel, A. C. (M)
Daniels, L. H. (M)
Derindton, J. C. (M)
Derindton, J. C. (M)
Dunkel, H. D. (M)
Dunkel, H. D. (M)
Edwards, R. L. (M)
Edwards, R. L. (M)
Frescher, L. (M)
Freece, R. (A)
Frescher, L. (M)
Freece, R. (A)
Frescher, J. M. (M)
Frescher, J. S. (SM)
French, D. E. (SM)
Fristhman, M. A. (M)
Frist, M. O. (SM)
Garrison, J. P. (M)
Gassen, J. A. (M)
Gassen, J. A. (M)
Glibson, M. (M) Gassen, J. A. (M)
Gibson, M. (M)
Golfen, H. (M)
Golden, H. (M)
Golden, H. (M)
Gourlev, R. T. (A)
Graham, A. S. (T. (A)
Graviee, G. P. (M)
Green, O. C. (M)
Green, O. C. (M)
Green, O. C. (M)
Greenyod, T. L. (SM)
Greenyod, T. L. (SM)
Hallowes, J. P., Jr. (M)
Hammond, R. L. (A)
Hallowes, J. P., Jr. (M)
Harmay, R. C. (M)
Harway, R. C. (M)
Haryer, J. W. (M)
Harris, G. G., Jr. (M)
Harris, G. G., Jr. (M)
Harris, G. G., Jr. (M)
Hoberg, O. A. (A)
Hobb, F. G. (SM)
Hobb, F. G. (SM)
Hoberg, O. A. (A)
Hobb, F. G. (SM)
Hoberg, O. A. (M)
Holeman, J. L. (M)
Holeman, J. L. (M)
Holeman, J. L. (M)
Hosenthien, H. H. (M)
Howenthien, H. H. (M)
Jackson, C. M. (M)
Jackson, C. M. (M)
Jackson, C. M. (M)
Jarvis, J. W. (A) Johnston, S. L. (SM)
Jones, C. H. (M)
Jones, C. H. (M)
Jostus, J. R. (A)
Katter. O. E. . Jr. (M)
Keeffe, T. A. (A)
Kelley, B. E. (M)
King, O. B. E. (M)
King, O. B. E. (M)
Lacker, H. F. (M)
Lacker, H. F. (M)
Lacker, H. F. (M)
Lacker, M. G. (M)
Lee, C. E. (M)
Lee, C. E. (M)
Lee, C. E. (M)
Lee, C. E. (M)
Lee, C. M. (M)
Loeb, W. S. (M)
Lober, W. J. (M)
Moredor, D. X. (M)
Macolm, W. W. (M)
Macolm, W. W. (M)
Macolm, W. W. (M)
Miller, A. D. (M)
Miller, A. D. (M)
Miller, P. T. (M)
Morris, J. K. (M)
Morris, J. K. (M)
Morris, J. K. (M)
Morris, J. K. (M)
Morris, J. E. (M)
Morris, J. E. (M)
Paul, C. H. (A)
Paul, T. T. (M)
Paul, T. T. (M)
Peiller, F. (M)
Paul, T. T. (M)
Peiller, T. (M)
Reinbolt, E. J. (M)
Ritterhouse, C. L. (M)
Robinson, W. J., Jr. (M)
Robinson, W. J., Jr. (M)
Salonimer, D. J. (M)
Salonimer, D. J. (M)
Schultz, D. N. (M) Thomas, J. K. (M)
Thomas, L. J. (M)
Thomas, L. J. (M)
Thornthwaite, W. L. (M)
Therithed, W. B. J. (M)
Unger, J. H. W. (M)
Vallely, D. P. (M)
Vincent, H. F. (SM)
Wallace, R. E. (M)
Wallace, R. E. (M)
Wallace, R. E. (M)
Weimer, J. W. (M)
Weiger, J. W. (M)
Weiger, G. M., Jr. (M)
Willing, V. B. (M)
Willing, V. B. (M)
Willing, V. B. (M)
Wilson, M. L. (M)
Woodruff, L. (D. (M)
Woodruff, L. D. (M)
Woodruff, L. D. (M)
Woodruff, L. D. (M)

Maxwell AFB (ATL-3) Johnson, J. G. (SM) Lyle, W. H. (SM) Meridianville (HUN-3) Scofield, H. N. (M)

bile (NO-6)
Baucum, P. G. (M)
Burhans, V. (M)
Calhoun, J. D. (M)
Chapin, J. H. (M)
Dawis, M. H. (M)
Diamond, J. R. (M)
Felch, J. L. (M)
Givens, V. Y. (M)
Gunthorpe, G. F. (M)
Hicks, C. R. (M)
Hicks, C. R. (M)
Mahan, O. C. (M)
Molyneux, M., J. (M)
Diamohore, W. H. (M)
D'Brien, D. J. (M)
Parish, J. P. (M)
Rountree, J. W. (M)
Schone, E. G. (M)
Seid, H. R. (M)
Van Aller, H. H. (M) Mobile (NO-6)

Montgomery (ATL-3)
Bridge, H. P. (M)
Evans, B. D. (M)
Hargreaves, L. D. (A)
Hayward, R. M. (A)
Herman, H. (SM)
Holliday, E. M. (M)
Holman, W. S. (M)
Jones, N. T. (M)
Lyons, E. C. , Jr. (M)
MacDowell, J. E. (M)
Sturm, F. L. (A)
Wallner, F. S. (M)
Wilson, R. P. (A)

Muscle Shoals (HUN-3) Wilson, R. B. (M)

Newville (ATL-3) Barefield, C. F. (M)

Prichard (NO-6) Prewitt , J. L. (M)

Redstone Arsenal (HUN-3)
Ackerman, W. J. (M)
Barclay, J. A. (SM)
Best, W. D. (M)
Curran, R. J. (M)
Gentry, E. B. (M)
Johnson, M. H. (M)
Kimura, A. M. (M)
Medaris, J. B. (SM)
Potter, S. N. (A)
Seashore, C. R. (M)

Saraland (NO-6) Rawls , M , L , (M)

Silas (ATL-3) Odom, T, O, (M)

Silverhill (NWF-3) Lacey, H. L. (M)

Inomasville (ATL-3) Dovey, H. N. (M)

Tuscaloosa (HUN-3) Denton, D, E, Jr, (M) Littlefield, J, T, (A) McBiles, C, D, (M) Ryan, P, J, (A)

University (HUN-3) Whitehurst , R. N. (M)

Wetumpka (ATL-3) Johnson, V. H. (M)

Whistler (NO-6) Chunn, W. B. (M) ALASKA

Anchorage (ANC-7) Bacon, R. A. (M) Baker, H. O., Jr. Brazil, H. D. (M)
Choate, W. C. (M)
Choate, W. C. (M)
Darrah, G. L. (A)
De Lung, D. O. (A)
De Voe, H. D. (SM)
Duncally, R. S. (M)
Elis, J. V. (M)
Evanson, G. L. (A)
Franchell, W. R. (M)
Frilton, D. A. (M)
Gray, C. M. (A)
Hager, K. F. (M)
Hannon, G. A. (M)
Hirschel, J. (A)
Hitchinson, R. E. (A)
Jekic, W. W. (A)
Johnson, R. E. (A)
Jekic, W. M. (A)
Johnson, R. L. (A)
Kinox, W. E., Jr. (A)
Matone, F. P. (A)
Walker, R. E. (M)
Walker, R. E. (M)
Warer, C. F. J. (A)
Wayer, C. F. , Jr. (M)
Wasten, T. H. (A)
Whitaker, G. A. (A)
Wilson, T. H. (SM)
Voung, T. R. (SM)

Big Mountain (ANC-7) Scott, R. C. (A)

College (ANC-7) Hunsucker, R. D. (M)
Leinbach, H. (M)
Leonard, R. S. (A)
Merritt, R. P. (M)
Owren, L. (M) Parthasarathy, R. (SM) Parthasarathy, R. (Rumi, G. (M) Stanley, G. M. (M) Stiltner, E. (M) Tryon, J. G. (M) Warman, N. E. (A)

Fairbanks (ANC-7) Janks (ANC-7)
Bentivegna, J. T. (A
Bourque, A. R. (M)
Daniel, R. D. (A)
Edens, J. A. (A)
Hauck, R. A. (A)
Hermann, P. A. (A)
Kimball, W. H. (A)
Mazoonin, G. V. (A)
Southall, A. M. (A)

Kenai (ANC-7) Carruthers, C. M. (A) Lancaster, T. W. (A)

King Salmon (ANC-7) Banziger, W. T. Clark, T. D. (A)

McGrath (ANC-7) Manging, J. M. (A)

Mount Edgecumbe (ANC-7) Long, J. E. (A)

Nome (ANC-7) Sundstrom, L. C. (A)

Petersburg (ANC-7) Pierce, E.R. (M)

Spenard (ANC-7)
Browne, C. W. (A)
Keller, B. W. (M)
Little, J. T. (M)
McCaskill, W. K. (M)
McKee, W. H. (M)
Shaw, W. R. (M)
Wright, M. E. (M)

Spencer (ANC-7) Roberson, F. E. (M)

ARIZONA

Benson (FT-H-7)
Blom.B.V. (SM)
Camobell.R.E. (M)
Ehler.W.M. (M)
Johnson.H.G. (A)
Johnson.W.I. (M)
Spittle, S.E. (M)

Bisbee (FT-H-7)
Candiello, V. S. (M)
Diehl.F. A. (M)
Homsv. J. H. (SM)
Knowles, E. R. (M)

Flagstaff (PHO-7) Phillippi E. C. (M) Rice, L. S. (A)

Fort Huachuca (FT-H-7)
Alchholz. C. (M)
Albee. M. M. (SM)
Arinoton. J. R. (M)
Bradski. M. (M)
Bradski. M. (M)
Bradski. M. (M)
Camoton. E. J. (SM)
Catlett. G. F. (M)
Crawford. G. A. (M)
Croving. M. (SM)
Dietrich. J. P. (M)
Dillinoham. J. H. (M)
Dominaue. J. C. (M)
Dominaue. J. C. (M)
Fink. M. J. (M)
Karia. V. A. (SM)
Gibbinso. J. F. (M)
Hanson. J. C. (M)
Hart. R. H. (SM)
Heinsen. D. E. (M)
Hoffer. R. L. (M)
Johnson. L. R. (M)
Johnson. R. M. (M)
Keller. H. A. (SM)
Kellers. F. III (M)
Kinght. L. J. (A)
Lew. F. J. (M)
Limdow. W. D. (M)
Martin. T. H. (M)
Mavieben. E. F. (M)
Mover. E. P. (M)
Mover. E. P. (M)
Nover. E. P. (M)
Silverman. B. S. (A)
Scott. J. C. (M)
Stock. H. C. (M)
Stock. H. C. (M)
Stock. H. C. (M)
Store. F. P. (M)
Store. H. C. (M)
Store. H. C. (M)
Store. H. C. (M)
Store. F. R. Jr. (M)
Store. F. R. Jr. (M)
Store. F. R. (M)
Store. F. R. Jr. (M)
Store. H. C. (M)
Store. F. R. Jr. (M)
Store. F. R. Jr. (G)
Virden. J. W. (SM)
Walker. L. F. (SM)
Wilcox, C. S. (M)
Wilcox, C. S. (M)

Wilcox, C. S. (M)

Glendale (PHO-7)

Bliss. W. P. (M)

Cappon, A. M. (M)

Chauvin, D. M. (M)

Cowell. M. E. (M)

Cowell. M. E. (M)

Cowin, M. H. (M)

Edvands. M. J. (M)

Edwands. M. J. (M)

Elbincer, L. P. (SM)

Halbirt. C. D. (M)

Lew. H. P. (A)

Levlne. D. (SM)

Martin. G. L. (A)

Milford. R. E. (M)

Moman. H. L. (M)

Murray, P. W. (M) Norman, H. W. (A) Pratt. R. E. (M) Rhodes, J. F. (M) Shaffer, W. H. (M)

Goodvear (PHO-7) Ash, H. O. (A) Blount, E. M. (M) Wood, B. G. (M)

Hereford (FT-H-7) Follev. W. R. (SM) Webster, R. G. (SM)

Huachuca Citv (FT-H-7) Graham. R. W. (SM) Jantz. M. A. (M) Walther, G. P. (M)

Litchfield Park (PHO-7) Relanger, F. (M)
Kelly, K. O. (M)
Robertson, S. D., Dr. (SM)
Sherwood, J. N. (M)

Maricona (PHO-7) Howe, R. B. (A) Locke, R. B. (M) Yuricic, J. F. (M)

Mesa (PHO-7)
Forrester, R. E. (M)
Howard, J. R. (M)
Sabin, W. D. (M)
Smith, D. A. (SM)

Mami (PHO-7)
Herrera, E. A. (M)
Phoenix (PHO-7)
Adams, G. E. (M)
Adams, W. L. (A)
Aden. A. L. (SM)
Ammerman, D. W. (SN
Andeen, R. E. (M)
Andeerson, W. J. (A)
Bauchler, E. W. (M)
Bauchler, E. W. (M)
Barban, M. J. (M)
Barban, M. J. (M)
Benson, R. A. (A)
Remfield, W. F. (M)
Betis, L. W. (M)
Betz, C. R. (M)
Bitter, C. R. Jr. (M)
Black, J. R. (M)
Brischer, R. J. (A)
Bridge, W. J. (M)
Cacheric, J. C. (SM)
Carden, M. W. Jr. (M)
Chadek, T. J. (M)
Chambers, J. A. (F)
Christman, J. (A)
Churlin, E. (A)
Clark, C. J. (A) M'ami (PHO-7) Herrera, E.A. (M) Chambers. J. A. (F)
Christman. J. (A)
Churlin. E. (A)
Clark. C. J. (M)
Clark. G. F. (M)
Clark. G. F. (M)
Cleary. E. P. (M)
Cook. M. F. (M)
Crov. R. B. (M)
Crov. R. B. (M)
Crawfrof. R. A. (M)
Cuburs. J. E. (M)
Cluver. J. E. (M)
Dehault. D. R. (M)
Dehault. D. R. (M)
Dehault. D. R. (M)
Dickson. D. C. Jr. (M)
Elster. R. J. (M)
Elster. R. J. (M)
Elster. M. (A)
Einer. M. (A)
Finch. W. T. (M)
Filint. L. B. (M)
Frazer. D. H. (A)
Fright. D. H. (A)
Fright. D. H. (A)
Fright. R. J. (M)
Frazer. D. E. (M)
Graines. W. M. (SM)
Gamble. G. W. (M)
Gerould. L. D. (M)
Gerould. L. D. (M)
Gleichauf. T. J. (M) Glimn, A. F. (M)
Golder, R. L. (A)
Goldstein, R. (M)
Goldstein, R. (M)
Groder, R. L. (A)
Grabam, L. C. (M)
Gravel, J. J. (M)
Gravel, J. J. (M)
Grevel, J. J. (M)
Grevel, J. J. (M)
Grever, P. H. (M)
Grever, P. H. (M)
Grever, P. H. (M)
Grever, P. H. (M)
Hallen, J. C. (A)
Hall, R. M. (M)
Hallen, J. (A)
Ham, N. C. (M)
Hammond, J. R. (A)
Hams, M. F. (M)
Hamsen, R. O. (M)
Harris, T. L. (M)
Hill, R. S. (A)
Hofferber, H. E. (M)
Hodon, R. B. (A)
Hofferber, H. E. (M)
Homoer, B. (M)
Honoer, B. (M)
Honoer, B. (M)
Honoer, B. (M)
Homel, R. C. (M)
Humels, D. R. (A)
Hurtinaton, R. C. (M)
Humels, D. R. (A)
Hurtinaton, R. C. (M)
Humels, D. R. (A)
Hurtinaton, R. C. (M)
Honoer, B. (M)
Jarad, D. S. (A)
Jacobsen, A. B. (SM)
Jarad, D. S. (A)
Jacobsen, A. C. (A)
Keer, H. C. (M)
Kemmeries, F. D. (SM)
Keellet, R. W. (M)
Kidwell, W. M. (SM)
Killet, R. W. (M)
Kidwell, W. M. (SM)
Killet, R. W. (M)
Kine, A. J., Jr. (M)
Monton, J. L. (M)
Lindsav, J. D. G. (M)
McCarv, R. O. (M)
Norson, J. L. (M)
Moroe, G. F. D. (M)
McCarv, R. O. (M)
Norson, R. E. (M)
Moroe, G. F. D. (M)
McCarv, R. O. (M)
McCarv, R. O. (M)
McCarv, R. O. (M)
Norson, R. E. (M)
Norde, L. C. (SM)
Norde, L. C. (SM)
Norde, R. C. (M)
Norder, R. E. (M)
Norder, Proter, E. C. (M)
Porter, K. W. (M)
Porter, K. W. (M)
Princle, D. L. (M)
Proster, C. H. Jr. (A)
Rabowsky, I. (M)
Ranck, C. A. (A)

Reece. O. A. (M)
Reeves. D. B. (SM)
Reoves. D. B. (SM)
Revnolds. J. E. . Dr. (A)
Rewnolds. J. E. . Dr. (A)
Rewnolds. K. A. (M)
Risk. W. P. . Jr. (M)
Robinson. R. D. (SM)
Ross. J. M. (SM)
Rudoloh. R. H. (M)
Russell. W. F. (M)
Russell. W. F. (M)
Sabel. A. R. (M)
St. Thomas. G. F. (M)
Samuelson. R. E. (F)
Sanborne. J. M. (M)
Samuelson. R. E. (F)
Sanborne. J. M. (M)
Sanders. C. H. (M)
Sanders. C. H. (M)
Sanders. C. H. (M)
Schauer. H. L. (M)
Schauer. J. R. (M)
Schauer. J. R. (M)
Schauer. J. R. (M)
Schauer. J. R. (M)
Simith. A. L. (M)
Sites. R. S. (A)
Stevens. C. R. (M)
Stevens. C. R. (M)
Stevens. C. R. (M)
Stivele. L. G. (A)
Stubbe. L. H. (A)
Stubbe. L. H. (A)
Stubbe. L. G. (A)
Tillman. W. F. (M)
Tribodeau, L. E. (M)
Withelm. R. F. (M)
Vandorn. H. E. (A)
Waldovael. J. (M)
Weiler. J. H. (M)
Weiler. J. H. (M)
Weiler. J. H. (M)
Wiler. J. H. (M)
Wiler. J. H. (M)
Wiler. J. H. (M)
Wiler. J. R. (M)
Wiler. J. R. (M)
Woodev. R. L. (SM)
Wittenbura. C. W. (M)
Woodev. R. L. (SM)
Wittenbura. C. W. (M)
Woodever. J. R. (A)
Williams. D. J. (M)
Woodever. J. R. (A)
W Wunderlich, L. J. (M) Yost, R. R., Jr. (M) Zusman, D. (M)

Pima (FT-H-7) Skinner, G. C. (M)

Prescott (PHO-7) Hardrove, B. E. (SM) Henson, H. W. (M)

nardrove, B. E. (SM)
Henson, H. W. (M)

Scottsdale (PHO-T)
Attwood, S. W. (M)
Austin, F. H. (M)
Bailev, D. C. (A)
Barikmo, H. D. (M)
Batow, D. M. (M)
Batow, D. M. (M)
Bebow, R. W. (M)
Bebow, R. W. (M)
Bekwith, J. R. (SM)
Behrinder, N. C. (M)
Berns, G. F. (SM)
Blixt, R. E. (M)
Boothe, A. M. (SM)
Bracken, W. H. (M)
Brown, F. R. (M)
Carter, P. M. (M)
Carter, P. M. (M)
Cononck, R. A. (M)
Cononck, R. A. (M)
Cranston, H. J. Jr. (M)
Cuscler, V. A. (M)
Debarvshe, B. D. (M)
Debarvshe, B. D. (M)
Deerhake, F. M. (SM)
Demody, K. H. (SM)
Diven, (SM)
Diven, L. (SM)
Edwards, E. D. (M)
Elliott, R. W. (M)

Enolund, R. A. (M)
Estes, C. L. (SM)
Flemina, I. A. (A)
Flickinger, W. J. (M)
Gabrielson, R. G. (M)
Gabrielson, R. G. (M)
Gaumt, A. E. (M)
Galin, D. J. (M)
Green, H. H. (M)
Groth, E. J. J. (SM)
Helber, C. (M)
Helms, G. W. (M)
Hinkelman, T. D. (A)
Hinkale, J. G. (SM)
Kelting, W. M., Jr. (A)
Kendor, R. F. (M)
Knowles, C. H. (M)
Knowles, C. H. (M)
Kroth, J. G. (M)
Kret, D. B. (M)
Kret, D. B. (M)
Krete, D. B. (M)
Marion, T. M. (SM)
Mihalick, L. P. (M)
Mihalick, L. P. (M)
Minard, R. E. Jr. (A)
Mitton, D. V. (A)
Mirand, R. E. Jr. (A)
Mitton, D. V. (A)
Mirand, R. E. Jr. (A)
Mitton, D. V. (M)
More, W. C. (SM)
Muller, T. A. (M)
Panne, J. A. (A)
Palm, A. W. (M)
Penninaton, R. J. (M)
Robbins, E. R. (A)
Roberts, R. E. (M)
Robbins, E. R. (A)
Roberts, R. E. (M)
Robbins, C. R. (M)
Willians, C. R. (M)
Morasell, D. C. Jr. (M)
Cord, L. E. (M)
Morasell, D. C. Jr. (M)
Cord, L. E. (M)
Morasell, D. C. Jr. (M)
Cord, C. E. (A)
Imman, H. R. (M)
Siera Vista (PHO-7)
Blatchley, C. M. (M)
Millians, C. R. (M)
Willians, C. R. (M)
Morasell, D. C. Jr. (M)
Cord, L. E. (M)
Morasell, D. C. Jr. (M)
Cord, L. E. (M)
Morasell, D. C. Jr. (M)
Cord, L. E. (M)
Morasell, D. C. Jr. (M)
Morasell, D. C. Jr. (M)
Cord, L. E. (M)
Morasell, D. C. Jr. (M)
Morasell, D. C. Jr. (M)
Morasell, D. C. Jr. (M)
Morasell, D. C. J

Vidlak, L. (A)

Tempe (PHO-7)

Allard, G. A. (A)

Barkson, J. A. (SM)

Board, C. Z. (A)

Busler, J. C. (A)

Cachelin, D. B. (A)

Clark, P. S. (A)

Collmer, R. C. (M)

Cronshey, R. W. (M)

Droor, L. E. (M)

Duoont, W. (A)

Goldman, W. W. (M)

Harkins, D. (A)

Hausman, D. I. (A)

Mayes, T. L. Jr. (M)

Miratila, J. F. (A)

Morrott, C. H. (SM)

Miratila, J. F. (A)

Morton, D. E. (M)

Russell, F. D. (M)

alleson (PHO-7) (BA)

Toileson (PHO-7) Wood, A. E. (A)

Tombstone (FT-H-7) Ferguson, L. N. (A)

Tucson (TUC-7)
Aieman, M. S. (M)
Anderson, M. A. (A)
Andres, W. F. (M)
Amstrong, A. C. (A)
Baldwin, H. A. (M)
Balk, S. (M)
Bard, W. E. (A)

Reak. D. L. (M)

Battistelli, J. J. (M)
Bayless, C. R. (M)
Becker, C. L. (A)
Becker, S. (SM)
Belker, S. (SM)
Bilkowski, M. (M)
Bilkowski, M. (M)
Boulay, P. F. (M)
Boulay, P. F. (M)
Boulay, P. F. (M)
Boulay, P. F. (M)
Budy, R. C. (SM)
Brown, T. R. Jr. (M)
Budy, R. C. (SM)
Burch, E. C. (M)
Burdh, R. E. (M)
Carlow, R. E. (M)
Carlow, R. S. (M)
Carlow, R. S. (M)
Cinioned, R. S. (M)
Cinioned, R. S. (M)
Cinioned, R. S. (M)
Cinioned, R. S. (M)
Cole, J. E. (M)
Cooper, R. N. (M)
Cole, J. E. (M)
Cooper, R. N. (M)
Cooper, R. N. (M)
Cooper, R. N. (M)
Cooper, R. N. (M)
Davis, R. G. (M)
Davis, R. G. (M)
De Bolt, A. L. (M)
De Long, H. C. (A)
Douly, F. W. (M)
Doualas, H. T. (M)
Dundan, C. R. (M)
Dundan, C. R. (M)
Dundan, C. R. (M)
Eddy, R. C. (M)
Eddy, R. C. (M)
Fraser, D. W. (SM)
Fredman, M. F. (A)
Gardiner, A. J. (M)
Fraser, D. W. (SM)
Froder, J. W. (M)
Fraser, D. W. (SM)
Froder, J. W. (M)
Gravell, A. J. (M)
Hanson, K. L. (M)
Hanson, K. L. (M)
Hansenbauer, C. R. (M)
Hanson, K. L. (M)
Hansenbauer, C. R. (M)
Hanson, K. L. (M)
Hansenbauer, C. R. (M)
Hanson, K. L. (M)
Howland, R. L. (A)
Howland, R. L. (A)
Howland, R. L. (M)
Morison, E. J. (M)
Morison, E. J. (M)
Morison, E. J. (M)
Morison, R. M. (M)
Norison, R. M. (M)
Perkins, D. W. (M)
Morison, R. M. (M)
Perkins, D. W. (M)
Morison, R. M. (M)
Perkins, D. W. (M)
Perkins, D

Rudolph, J. D. (M)
Russell, G. M. (SM)
Russell, P. E. (SM)
Shaver, H. N. (M)
Skinner, B. S., Jr. (M)
Smith, J. (A)
Spillane, J. K. (M)
Spoeen, L. R., Jr. (M)
Stewart, H. E., Prof. (SM)
Stoke, G. B. (A)
Stoke, D. E. (M)
Stoke, D. E. (M)
Stoke, D. E. (M)
Stoke, A. J. (SM)
Swaftord, J. E. (M)
Swaftord, J. E. (M)
Swaftord, J. E. (M)
Tallev, R. P. (M)
Tamminga, E. D. (A)
Tallev, R. P. (M)
Tamminga, E. D. (A)
Trevor, B. (F)
Vacherot, M. G. (M)
Wade, J. A. (M)
Waler, G. A. (SM)
Walker, G. A. (SM)
Walker, R. L. (M)
Walker, R. L. (M)
Walker, R. L. (M)
Wate, H. W. Jr. (SM)
Wilden, N. (SM)
Williamson, A. K. (A)
Wilson, L. A., Jr. (M)
Wildon, L. A., Jr. (M)
Williamson, A. K. (A)
Wilson, L. A., Jr. (M)
Wirotk, K. F. (M)
Warniak, J. R. (A)
Winslow (PHO-7)
Hart, P. C. (A)

Winslow (PHO-7) Hart, P. C. (A)

Yuma (PHD-7) Powers , F . W . (A)

Yuma Test Station (PHO-7) Kundel, K. K. (M)

ARKANSAS

Arkadelphia (LR-6) Sandlin, G. L. (M)

Cabot (LR-6) Cordrey, E. E. (SM)

El Dorado (LR-6) Bellew, R. W. (A) Sorrells, W. E. (M)

England (LR-6) McClanahan, W. J. (A)

Faveteville (LR-6)
Brewster, E. J. (M)
Cannon, W. W. (M)
Gosnell, D. G. (A)
Green, J. W. Jr. (SM)
Lewis, F. W. (M)
Price, L. E. (M)
Purdv. J.A. (A)
Thompson, P. H. (A)
Walton, W. T. (M)

Fort Smith (LR-6) Duvall, G. (M)

Gravette (LR-6) Durkee, J. D. (M)

Hope (LR-6) Klipsch, P. W. (SM)

Jacksonville (LR-6) Gandler, B. R. (M) Wheeler, T. J. (M)

Judsonia (LR-6) Green, N. R. (A)

Green, N. R. (A)

Little Rock (L.R-6)
Allsond, W. C. . Jr., (A)
Anders, R. V. (SM)
Barr, J. C. (M)
De Chambrier, P. (M)
Dillanlain, V. L. (SM)
Dodson, J. B. (A)
Ellefson, G. E. . Jr., (A)
Foruson, J. L. (M)
Folev, N. D. (SM)
Hammil, R. B. (M)
Hardy, L. H. (M)
Heaar, E. A. (SM)
McDonald, A. E. (M)
M. (M. C. S. W. (A)
Miller, C. H. Jr., (M)
Raddels, F. S. . Jr. (A)
Rable, R. W. (M)
Reid, J. D. (F)
Warren, D. (A)
Weber, R. A. (M)
Wilson, F. J. (M)
Wilson, F. J. (M)
Wilson, F. J. (M)
Wylle, J. E. (M) Wylie, J.E. (M)

Malvern (LR-6) Beem, R. M. (SM)

North Little Rock (LR-6)
Kunkel. W. E. (A)
Lowery, H. J. (M)
Meyer. J. A. (A)
Mountiov. G. (F)
Packard. A. (SM)
Pine Bluff (LR-6)
Basinger, E. G. (M)

Praire Grove (LR-6) Schraer, L.J. (M)

Ouitman (LR-6) Tarver , A . (M)

Scott (LR-6) McRae , J. P. (M)

Searcy (LR-6) Bennett, H. W. (M)

Siloam Springs (LR-6) Smith, C.E.(M)

Springdale (LR-6) Anderson , M . K . (M)

Stuttgart (LR-6) Durraw , W. R. (M)

Texarkana (SHR-6) Beall, L. S. (A)

CALIFDRNIA

Agnew (SF-7) Duggan, J. E. (M)

Alameda (SF-EB-7)
Colvin, L. D. (M)
Hall, T. D. (M)
Hansen, H. M. (M)
Lessem, M. (M)
McNuttv, J. W. (M)
Yarborough, J. R. (M)

Alamo (SF-EB-7) Bundrick, R J (A) Dorr, R. (SM)

Albany (SF-EB-7)
Andresen J J S (M)
Knapp W S (M)
Olivares J E , Jr (A)
Pope J C (A)
Williamson S R (M)
Wing C (M)

nambra (LA-P-7)
Bunker, E. R., Jr, (M)
Cary, H. H. (M)
Gleim, R. A. (M)
Gum, J. D. (M)
Hauerwass, R. V. (M)
Hoffman, T. S. (A)
Horton, D. K. (M)
Jones, C. E. (M)
Kirk, C. E., Jr. (M)
Ludekens, L. E. (M)
Miller, W. A. (SM)
Porrazzo, R. J. (SM)
Seidner, D. R. (M)
Silk, N. R. (SM)
Telleson, N. (M)
Ule, L. A. (SM)
Weeks, A. D. (M)
Withacre, D. P., Sr (SM)
Wiker, G. A. (M) Alliambra (LA-P-7)

Alondra (LA-7) Cornell , J , R , (M)

Altadena (LA-P-7)
Acord, J. D., (M)
Alrich, J. C. (M)
Alrich, J. C. (M)
Baoley, G. E. (SM)
Biedebach, M. C. (M)
Bruns, T. H. (M)
Bruns, T. H. (M)
Carter, R. C. (A)
Davids, L. H. (M)
Davis, F. W. (M)
Eichwald, W. F. (M)
Eichwald, W. F. (M)
Eichwald, W. F. (M)
Fearman, E. L. (A)
Gossland, J. F. (M)
Gossland, J. K. (SM)
Hartel, C. F., Jr. (M)
Hartel, C. F., Jr. (M)
Hartia, D. E. (M)
Hartia, D. E. (M)
Wheath, G. F. (M)
Leath, G. F. (M)
Lub, J. L. (M)
Leine, J. H. (M)
Laub, J. L. (M)
Leines, K. W. (M)
Leines, K. W. (M)
Loass, A. Jr. (M)
Malling, L. R. (VA)
Martin, H. C. (A)
Mathison, R. F. (M)
Malling, L. R. (VA)
Martin, H. C. (A)
Mathison, R. F. (M)
Mocarthy, E. R. (A)
Moore, T. O. (SM)

Morris . R V (M)
Pediao . J Y . (M)
Pedrail . W L (M)
Push . M . D (M)
Ramstedt . C F (M)
Riedel . J C (M)
Ross . 1 (A)
Schuster . D (M)
Schuster . D (M)
Schuster . D (M)
Sinnette . J . T . . J . (M)
Sinomb . G M (M)
Small . R H . (M)
Sternke . E C . (SM)
Szirmav . S Z (A)
Telan . M F . (A)
Thurman . R . V . (M)
Vincent . D A A (M)
Watkins . K S (A)
West . L E . (SM)
Westlake . P R . (M)
Withdraid . M J . (M)
Whitnev . M G (A)
Willhard . W . J . (M)
sheim (LA-SA-7)

Anaheim (LA-SA-7)
Acker. W W (M)
Akers. R C (A)
Bailev. B G (A)
Beck. L. (M)
Bills. G W (M)
Brown. B (A)
Brown. J. H (M)
Caolia. A. J. (A)
Caobiancol J. A (M)
Chadburn. W, J. (A)
Chadburn. W, J. (A)
Chadburn. W, J. (A)
Chavannes. T. E. (M)
Clark. T. L (M)
Cole. C. E. (A)
Comer. F (E (SM)
Conred. E (SM)
Conred. E (SM)
Conred. E (SM)
Conred. E (SM)
Conser. G L (M)
Cooser. G L (M)
Cooser. G L (M)
Cooser. G L (M)
Doss. R. F. (M)
Doss. R. F. (M)
Doty. R. L. (SM)
Bedds. J. D. (M)
Evinner. H W (A)
Ewinn. D L (M)
Finlev. W. S (M)
Flemlina. R W (M)
Flock. D C (M)
Glowacki. W V. Jr (SM)
Glowacki. W V. Jr (SM)
Glowalla. J (M)
Graham. H. E (A)
Greenfield. A R (M)
Hall. R E (M)
Hordrickson. H C (M)
Hirdichs. K. (SM)
Hordrick. R D (SM)
Horwitz. L B (SM)
Horwitz. L B (SM)
Horwitz. L B (SM)
Horwitz. L G (M)
Horwitz

Peterson, H. C. (A)
Phelos, J. F., Jr. (M)
Phelos, J. F., Jr. (M)
Phison, J. C. (M)
Porter, R. G. (A)
Potwardowski, B. (M)
Porter, R. G. (A)
Ramsav, S. P. (SM)
Ransalli, R. (M)
Rassier, D. B. (M)
Readen, E. T. (A)
Reid, H. J. (M)
Redden, E. T. (A)
Reid, H. J. (M)
Reinhard, C. J. (M)
Reinhard, C. J. (M)
Robinson, D. E. (A)
Rosenthal, R. N. (M)
Sarvers, J. H. (M)
Schenck, S. R. (A)
Schiavoni, D. W. (M)
Schiavoni, D. G. (M)
Schiavoni, D. (M)
Schiavoni, D.

Angwin (SF-7) Neilsen, 1, R, (M)

Apple Valley (LA-7) Ball, L. G. (A) Cook, W. E. (M) White, J. L. (M)

Arcadia (LA-P-7)
Anderson, R. 1. (A)
Askren, P. S. (A)
Babeaux, A. G. (A)
Backus, R. A. (A)
Beatly, C. G. (M)
Breitwieser, C. J. (F)
Chandler, J. A. (A)
Dietz, D. P. (A)
Dryden, E. H. (M)
Eland, R. C. A. (SM)
Fiske, J. J. (M)
Foster, J. F. (M)
Fritz, W. (M)
Galavan, T. P. (A)
Grobecker, A. J. (M)
Hadady, R. E. (M)
Horton, E. J. (M)
Johnson, R. E. (M)
Martin, G. M., Jr. (M)
Maxwell, G. D. (M)
Mulock, R. B. (M)
Neumeyer, B. W. (M)
Nielsen, J. J. Jr. (SM)
Nielsen, J. J. Jr. (SM)
Pautin, J. H. (SM)
Pautin, J. H. (SM)
Pautin, J. H. (SM)
Patterson, A. R. (A)
Pitzer, R. L. (M)
Potter, P. D. (M)
Schindler, R. A. (M)
Schenkel, L. F. (M)
Schwarzmann, W. A. (SM)
Schenkel, L. F. (M)
Sorie, R. G. (M)
Sundbern, G. G. (M)
Swan, M. L. (SM)
Waldschmldt, N. E. (M)
Wilkinson, B. L. (M)

wood, A, M, (A)

Arlington (LA-OB-7)
Baker, W, L, (M)
Besel, H, W, (M)
Bishop, B, E, (M)
Booue, H, (A)
Borunda, G, S, (M)
Bradford, W, C, (A)
Camobell, F, D, (M)
Daniel, D, D, (A)
Esbeland, R, H, (M)
Frederiksen, T, M, (M)
Galbraith, H, J, (M)

Garrison . G . W . (M)
Grinius . L . L . (M)
Hoyt . E . P . (A)
Kolden . J . R . (M)
Lawlor , K . A . (M)
Lott . L . R . (A)
Macafee . J . W . (M)
Makinson . F . H . (M)
Ralatos , P . A . (M)
Todd . B . J . (M)
Weiss , J . G . (M)

Arroyo Grande (LA-SB-7) Barringer, E. E. (M) Hilliard, D. R. (M)

Artesia (LA-SA-7) Seldeen, D. J. (M)

Atherton (SF-7) erton (SF-7)
Allison, J. E. (M)
Blanchard, H. P. (M)
Borden, H. C., Jr. (M)
Borden, H. C., Jr. (M)
Borden, F. (SM)
Chaskin, W. S. (A)
Crapuchettes, P. W. (M)
Johnston, H., IV (M)
Johnston, H., IV (M)
Johnes, R. M. (SM)
McCullough, J. V. (A)
Moore, N. H. (SM)
Rist, A. E. (SM)
Ross, D. H. (M)
Scofield, P. F. (SM)
Walters, G. A. (SM) Walters , G , A , (SM)

Auburn (SAC-7)
Chesney, A. P. (SM)
Davenport, W. L., Jr. (M)
Moquin, A. E. (A)

Azusa (LA-0B-7) ISA (LA-OB-/)
Clark, P. A. (M)
Clark, W. L. (M)
Jamieson, J. A. (M)
Moss, J. F., Jr. (A)
Peck, J. W. (A)
Roark, G. L. (SM)
Zaxman, B. (M)

Bakersfield (LA-7) Andress, E. A. (M)
Hoffman, R. D. (A)
Welsh, N. R. (M)
Westall, C. L. (M)
Whiting, W. E. (M)

Balboa (LA-SA-7) Gardner, R.S.(SM)

Balboa Island (LA-SA-7) Hansen, E. H. (F)

Baldwin Park (LA-OB-7) Michie, G. C. (M)

Barstow (LA-SB-7) Chase, H. E. (M)

Beaumont (LA-7) Hotine, W. (M)

Bell (LA-7) Barquist, W. S., Jr. (M) Louie, W. (A) Zelenay, J. (A)

Bellflower (LA-SA-7)
Bailey, E. L. (M)
Bean, R. C. (M)
Brannian, W. R. (M)
Cone, R. D. (M)
Creswell, J. C. (M)
Hohenhaus, H. A. (M)
Mindte, R. T. (M)
Noar, R. (A)
Pierce, K., W. (M)
Thomoson, M. F. (SM)
Woo, B. B. (M) Woo, B, B, (M)

Bell Gardens (LA-7) Adams, R, L. (A) Rickard, L. D. (A) Roper, M. M. (M)

ROPER, M., M. (M)

Belmont (SF-7)

Bianco, J., D., (M)
Carder, J., M. (SM)
Curphey, D. G., (M)
Damonte, J. B., (M)
Eakin, J. H., (SM)
Ellison, T., A. (M)
Ferris, W. C., Jr., (A)
Gates, W., F., (M)
Hack, W. L., (A)
Huebler, M., A., (M)
Johnstone, F. C., (M)
Leen, S., (M)
Leen, S., (M)
Leenard, W. D., (M)
Stark, R. D., (M)
Towne, A. E., (M)
Towne, A. E., (M)
Eellmer, N., A., (M)

Belvedere—Tiburon (SE-7)

Belvedere-Tiburon (SF-7) Brazeal, R. H., Jr. (M) McFadden, R. R. (M) Shumway, J. L. (M) Ben Lomond (SF-7) Fulmer, R, F, (A)

Ben Lomond (SF-7)
Fulmer, R, F, (A)

Berkeley (SF-EB-7)
Acker, R, C, (SM)
Adachi, T, (SM)
Adams, R, D, (M)
Annelakos, D, J, (SM)
Anner, H, O, (M)
Bender, D, E, (M)
Bertly, D, E, (M)
Bertly, D, E, (M)
Bertly, D, E, (M)
Bertly, D, E, (M)
Borner, H, W, (M)
Bourner, H, W, (M)
Bourner, H, C, Jr, (SM)
Bonner, H, C, Jr, (SM)
Brown, L, E, (M)
Brown, L, E, (M)
Brown, L, E, (M)
Brown, J, D, (M)
Britling, J, H, (A)
Carlyle, J, W, (M)
Criter, L, J, Jr, (A)
Chen, Y, M, (M)
Chernoff, R, C, (M)
Clapp, F, D, (SM)
Collins, C, C, (A)
Corey, V, B, (M)
Desoer, C, A, (SM)
Edwards, L, Z, (A)
Elfsworth, R, L, (M)
Everhart, T, E, (M)
Everhart, T, E, (M)
Freeman, E, D, (M)
Freeman, J, R, (A)
Goriam, D, H, (M)
Guilford, F, C, (M) Freeman, J. J. (M)
Freeman, J. J. (M)
George, A. J. (M)
George, D. H. (M)
Guilford, E. C. (M)
Grasselli, A. (A)
Hadxk-Barkocsy, A. B. (M)
Harris, B. J. (M)
Harris, B. J. (M)
Harris, B. J. (M)
Heard, H. G. (M)
Hill, L. O. (A)
Hookin, A. M. (A)
Hookin, D. B. (M)
Hunter, J. (A)
Huskey, H. D. (M)
Jorge, C. D. (A)
Jury, E. I. (SM)
Keeney, R. B. (M)
Kuh, E. S. (M)
Lichtenberg, A. J. (M) Keeney, R. B. (M)
Kuh, E. S. (M)
Lichtenberg, A. J. (M)
Linder, I., W. (M)
Limder, I., W. (M)
Limder, I., W. (M)
Limder, I., C. (SM)
Manabe, S. K. (M)
Melvin, R. M. (A)
Mikhail, S. L. (SM)
Morton, P. L. (F)
Nakamura, M (M)
Nelson, W. H. (SM)
Nelson, W. H. (SM) Nakamura, M. (M)
Nelson, W. H. (SM)
Nelson, W. H. (SM)
Nishizaki, R. (M)
Noller, W. E. (SM)
Pederson, D. D. (M)
Reukema, L. E. (F)
Rumsey, V. H. (SM)
Russell, J. A. G. (M)
Scott, D. A. (A)
Scott, H. J. (SM)
Shehard, R. W. (SM)
Shiu, P. D. C. (A)
Silver, S. (F)
Sinner, J. R. (SM)
Sloan, D. H. (F)
Smith, B. H. (SM)
Smith, B. H. (SM)
Smith, B. H. (SM)
Smith, B. H. (SM)
Soiler, N. J. (A)
Stotthman, R. A. (M)
Stotthman, R. A. (M)
Susskind, C. (SM)
Taskett, D. A. (M)
Thomasian, A. J. (M)
Thornton, D. D. (M)
Turner, S. E. (A)
Williams, C. S. (M)
Westwick, O. B. (M)
Westwick, O. B. (M)
Windsor, A. A. (M)
Woodvard, J. R. (M)
Vee, P. K. (M)

Yee, P, K, (M)

Beverly Hills (LA-7)
Albin, F, G, (A)
Atkinson, J, M, (M)
Cannon, H, L, (M)
Cooner, B, (M)
Cooner, B, (M)
Cooner, B, (M)
Edelson, R, H, (M)
Eisler, G, (M)
Eisler, D, D, (M)
Fisch, M, W, (A)
Gianonlus, A, S, (M)
Green, D, J, (SM)
Harbon, M, M, (M)
Heft, C, P, (M)
Jacobi, W, J, (M)
Korn, I, I, (M)
Korn, I, I, (M)
Lichterman, G, (M)

Manuson, R, W, (M)
McWaid, J, A, (A)
Mullin, J, T, (M)
Nutt, J, H, (A)
Pederson, W, O, (M)
Pinol, D, G, (M)
Pinol, D, G, (M)
Sardo, R, L, (A)
Schott, W, L, (SM)
Silverman, I, (M)
Silverman, R, M, (M) Silverman, I. (M)
Stuckelman, R. M. (M)
Terry, R. L. (SM)
Waqer, J. W. (M)
Wilson, T. A. (SM)
Winchell, R. W. (M)
Wise, J. A. (M)
Wolcott, C. F. (F)

Wolcott, C, F, (F)

Buena Park (LA-SA-7)
Armstrona, T, J. (A)
Benedetti, F, J., Jr. (M)
Bunnell, C, D, (M)
Cornelius, W, B, (A)
Cuninaham G, W, (A)
Damoier, W, P. (M)
Demeter, J, P., Jr. (M)
Dooley, R, (M)
Fervalt, W, H, (A)
Fleischmann, F, A, (A)
Hovda, R, E, (A)
Humohreys, T, I, (SM)
Kemper, D, M, (A)
Metzner, H, E, (M)
Nickerson, H, H, (A)
Rose, T, L, (A)
Ross, D, L, (M)
Sperlina, R, W, (M)
Stack, T, K, (M)
Underwood, T, W, (A)
Webb, J, D, (M)
White, S, A, (M)

Burbank (I, A-SE-7)

Burbank (LA-SF-7) Askins, J. J., Jr. (M)
Baworouski, J. (A)
Beans, J. B. (M)
Bly, S. W. (M) Beans, J. B. (M)
Brockway, D. C. (VA)
Brockway, D. C. (VA)
Brown, C. W. (M)
Bukhdud, J. (A)
Bunce, J. W. (M)
Bush, L. A. (A)
Cambell, D. E. (SM)
Carmel, H. H. (M)
Casev, J. D. (M)
Clabauch, R. G. (M)
Clabauch, R. G. (M)
Coe, W. G. (SM)
Coe, W. G. (SM)
Coe, W. G. (SM)
Coe, W. G. (SM)
Paheim, K. P. (A)
Eduerton, A. K. (M)
Everett, F. A. M. (VA)
Fawcett, K. D. Jr. (A)
Fox, C. W. (M)
Fredendall, B. F. (M)
Ganzenhuber, J. H. (SM) Fredendali, B. F. LWI
Ganzenhuber, J. H., (SM)
Gilbert, E. M. (SM)
Gilbert, E. M. (SM)
Girouard, L. O., Jr. (M)
Goldman, R. F. (M)
Goodale, D. M. (M)
Hathaway, J. C. (SM)
Hathaway, J. C. (SM)
Hemine, E. S. (A)
Hoff, K. (SM)
Humbrev, J. F. (M)
Humbrev, J. F. (M)
Huston, O. E. (M)
Huston, O. E. (M)
Huston, O. E. (M)
Goodale, J. (SM)
Huston, O. E. (M)
Kojalowicz, A. M. (M)
Lewis, H. O. (M)
Marklev, J. E. Jr. (A)
Marin, W. R. (SM)
McAdam, J. C. (M)
Miller, J. A. (M)
Miller, J. A. (M)
Miller, J. A. (M)
Morfort, R. A. (SM)
Monto, J. M. (M)
Morfort, R. A. (SM)
Morto, J. N. (SM)
Molley, D. M. (M)
Morloke, F. K. (A)
Mosier, R. R. (SM)
Molley, D. M. (M)
Molley, D. M. (M)
Mollin, G. L. (M)
Millin, J. L. (A)
Mullin, J. L. (A)
Mosier, R. R. (M)
Schwartz, N. (M)
Schwartz, H. (SM)
Schwartz, N. A. (M)
Schwartz, N. A. (M)
Simith, H. T. (M)
Smith, H. T. (M)
Smith, H. T. (M)
Smith, H. T. (M)
Smith, H. T. (M)

Starr, A. R. (A) Stewart, E. W. (M) Taylor, V. L. (M) Vinton, B. W. (M) Vinton, B. W. (M)
Walnscott, O. M. (A)
Walker, H. L. (M)
Warinaton, W., Jr. (A)
Weatherford, R. V. (A)
Williamson, C. N. (SM)
Woodard, T. C. (M)
Woodrina, R. L. (M)
Young, R. A. (M)
Zilm, C., F. (M)

Big Bear Lake (LA-OB-7) Black, J. M. (A)

Bishop (CL-7) Rudolph , E . (A)

Blisthi (LA-0B-7) Dawson, J. E. (M)

Boron (CL-7) Cummings, J. C.(M)

Boron AFB (CL-7) Johnson, C. C. (M)

Boulder Creek (SF-7) Thorne, L. R. (M)

Brawlev (SD-7) Korbe, A. J. (M)

Brea (LA-SA-7) Balluff, R. L. (M)
Donner, W. (M)
Kirk, R. J. (M)
Wolking, D. H. (SM)

Burlingame (SF-7)
Boss, L. J. (M)
Diestelhorst, G. A. (A)
Haines, W. D. (M)
Helseth, R. S. (M) Morin, G. A. (M)
Petitiean, A. E. (A)
Reinartz, J. L. (F)
Turkot, A. (A)
Wespiser, H. J. (M)
Wilke, R. R. (SM)

Calabasas (LA-SF-7) abasas (LA-SF-/)
Chandler, C. W. (M)
Clavin, A. (M)
Elllott, R. S. (SM)
Krausz, R. (SM)
Rosen, S. A. (M)
Schetne, H. A. (M) Snyder, W. A. (SM)

Calexico (SD-7) Lacarra, A. A. (A)

Camarillo (LA-B-7) narillo (LA-B-7)
Anole, F. E. (M)
Dame, R. O. (M)
Dowling, K. T. (M)
Harrivery, J. P. (M)
Jennetz, N. E., Jr. (M)
Jones, B. R. (M)
Keller, E. G. (A)
Lund, F. H. (M)
Wood, L. E. (SM)

Cambria (LA-SB-7)

Camino (SAC-7) Ozment , W , L , (M)

Cambbell (SF-7)
Allen, F, K, (M)
Dye, R, E, (M)
Fredman, N, E, (M)
Gorman, E, B, (A)
Kahn, H, (M)
Mathis, W, H, (M)
Thompson, A, J, (M)

Camp Pendleton (SD-7) Selby, D. F. (M)

noga Park (LA-SF-7)
Aiken, W. S. (SM)
Andle, S. L. (A)
Baker, B. W. (M)
Batton, R. L. (A)
Bamman, V. R. (A)
Bemis, P. S. (M)
Bembrooks, L. A. (M)
Bembrooks, L. A. (M)
Benson, C. E. (M)
Betucci, J. F. H. (M)
Bohl, R. J. (M)
Buchholz, C. W. (M)
Carson, D. G. (M)
Chapman, H. R. (A)
Comway, J. P. (M)
Crawford, D. B. (A)
Cuttler, W. D. (M)
Deuser, D. A. (M)
Durant, J. R. (M)
Durant, J. R. (M)
Ford, J. P. (SM)
Ford, J. P. (SM)
Ford, J. P. (SM)
Ford, J. P. (SM)
Forester, A. T. (SM) Canoga Park (LA-SF-7)

Geary, L. W. F. (SM) Gebel, J. L. (A) Gebrke, R. A. (M) Gleason, M. J. (M) Goldstein, A. (M) Graham, R. F. (M) Graham, W. (M) Grant, P. M. (M) Grant, P. M. (M)
Gregory, G. D. (M)
Hart, J. P. (A)
Hart J. P. (A)
Hart Mann, S. (M)
Hart Mann, S. (M)
Hamilton, L. E. (M)
Heald, E. T. (SM)
Henrikson, A. E. (M)
Hevne, M. W. (M)
Hitz, G. D. (M)
Hofener, C. E. (A)
Hoff, R. G. (M)
Homer, E. G. (M)
Homer, E. G. (M)
Homer, E. G. (M)
Kime, K. L. (M)
Kime, K. L. (M)
Kine, K. H. (SM)
Landwald, A. (M)
Laubenstein, R. A. (M) Landwald, A. (M)
Laubenstein, R. A. (M)
Leach, H. L. (M)
Lieberman, J. L. (A)
Littlefield, K. E. (M)
Loft, R. E. (M)
McKeown, B. F. (A)
Milham, R. F., Jr. (M)
Moroan, T. M., Jr. (M)
Nauss, B. M. (M)
Olson, J. B. (M)
Pincknev, K. R. (A) Nauss, B. M. (M)
Olson, J. B. (M)
Pincknev, K. R. (A)
Powell, W. K. (M)
Prest, J. W. , Jr. (M)
Priest, E. J. (M)
Ross, H. H. , Jr. (M)
Ross, H. H. , Jr. (M)
Ross, W. E. (M)
Schlowitz, H. H. (A)
Silverstein, M. M. (M)
Scison, A. R. (SM)
Scadoro, F. G. (M)
Steavenson, C. C. (M)
Steavenson, C. C. (M)
Steavenson, C. C. (M)
Tucker, A. E. (M)
Tucker, A. E. (M)
Van Doorne, J. R. (M)
Weatherford, A. V. (M)
Webbern, D. R. (M)
Webbrn, D. R. (M)
Weblorn, K. M. (A)
Westenhaver, J. L. (M) Westenhaver, J. L. (M) Wilson, F. V. (A) Wilson, F. V (A) Wood, R. J., Jr. (A)

Cardiff By the Sea (SD-7) Graham, J. P. (A) Woodworth, J. D. (M)

Carlsbad (SD-7) Murdock, C, E, (M)

Carmel (SF-7) Brown, C. M. (SM) Pastel, M. P. (M)

Carmichael (SAC-7)
Ashley, A. B. (M)
Bills, G. R. (A)
Hendrickson, R. J. (M)
Jenkins, O. D. (A)
Kelliher, J. E. (VA)
McKeehan, M. B. (M)
Wilson, J. T. R. (M)

Carpinteria (LA-SB-7) McCabe. A P (M) Scholz, P. A. (SM)

Castro Valley (SF-EB-7) tro Valley (SF-EB-7)
Browning, G. D. (M)
Diamond, A. M. (M)
Kippenhan, D. O. (M)
Roulette, R. E. (M)
Rufer, R. P. (M)
Slocum, R. L. (M)
Sorensen, R. W. (M)

Central Valley (SAC-7)

Chatsworth (LA-SF-7)

Babbe, E. L. (M)

Benson, S. A. (A)

Bowers, E. D. (A)

Butter, J. E. (A)

Chosnut, M. G. (A)

Cooper, J. A. (M)

Cowden, L. F. (M)

Gage, N. C. (A)

Harner, R. B. (M)

Paulson, E. T. (SM)

Rodine, J. C. (M)

Schaefer, J. H. (M)

Chico (SAC-7) Clausnitzer, F W (A)

Staats, A. A. (SM)

Cordray, R. E. (M) China Lake (CL-7)
Afendykiw, M. (M)
Arnold, P. G. (M)
Arnold, P. G. (M)
Ashbrook, F. M. (SM)
Akkinson, R. E. (M)
Beresford, D. R. (M)
Bersford, D. R. (M)
Bersford, D. R. (M)
Bersford, D. R. (M)
Boyle, J. M. (M)
Boyle, J. M. (M)
Breitenstein, R. E. (M)
Breitenstein, R. E. (M)
Breitenstein, R. E. (M)
Crawford, J. A. (M)
Crawford, J. A. (M)
Creusere, M. C. (M)
Davis, G. W. (M)
De Groot, N. F. (M)
Deyoe, D. C. (M)
Dusoff, G. (M)
Dusoff, G. (M)
Dusoff, G. (M)
Dusoff, G. (M)
Dister, S. E. (M)
Dusoff, G. (M)
Ferris, A. B. (A)
Field, W. A. (M)
Ferris, A. B. (A)
Field, W. A. (M)
Foster, F. N. (M)
Gatts, D. E. (M)
Gatts, D. E. (M)
Gletnon, R. E. (M)
Hilker, H. V. V. , Jr. (A)
Ikendyama, F. K. (M)
Johanboeke, R. B. (M)
Kermode, D. W. (M)
Hilker, H. V. V. , Jr. (A)
Ikendyama, F. K. (M)
Johanboeke, R. B. (M)
Kermode, D. W. (M)
McLane, Y. B. (SM)
McLane, W. B. (SM)
McLane, W. B. (SM)
McLane, M. G. (M)
Sosenberg, H. W. (M)
Soboenbaum, W. J. (M)
Scibold, J. M. (M)
Scibold, J. M. (M)
Scibold, J. M. (M)
Scibold, J. M. (M)
Nokeerer, M. (M)
Wickenden, R. C. (M)
Zilmer, D. E. (A)

Chino (LA-0B-7) McKoy, G. C. (M) Warren, J. R. (M)

Warren, J. K. (M)

Chula Vista (SD-7)

Billstrom, R. A. (M)

Chiles, J. R., Jr. (A)

Courtright, J. A. (M)

Creel, J. W. (A)

Daniel, W. A. (M)

Hart, J. M. (M)

Rockwood, J. B. (M)

Senn, J. C. (M)

Takacs, S. J. (M)

Taylor, W. G. (M)

Varian, R. H. (A)

Wilson, W. R. (M)

Citrus Heights (SAC-7) Blair, G. (M) Hartman, K. L. (M)

remont (LA-OB-7)
Agerholm, M. (M)
Andrew, V. J. (F)
Antul, J. J. (SM)
Block, K. A. (M)
Carroll, L. R. (M)
Coulombe, R. A. (SM)
Culver, C. A. (F)
Depew, H., Jr. (M)
Easton, J. D. (A)
Gaddis, L. W. (M)
Grumbein, P., Jr. (M)
Grumbein, P., Jr. (M)
Grumbein, P., Jr. (M)
Hansen, O. B. (M)
Harry, H. E. (SM)
Heaviside, M. G. (SM)
Hennings, H. H. (M)
Hostetler, R. R. (M)
Irvine, R. G. (M)
Jacobson, O. M. (M)
Keith, I. W. (M) Claremont (LA-0B-7)

Kiebert, M. V., Jr. (F)
Kuntz, G. L. (A)
Lindquist, J. R. (A)
Lloyd, A. T. (M)
Matlin, R. L. (M)
Matlin, R. L. (M)
Michaels, E. L. (SM)
More, D. H. (M)
Pile, D. H. (M)
Pile, D. H. (SM)
Schock, J. O. (SM)
Schock, J. O. (SM)
Sell. W. B. (SM)
Sly, W. G. (M)
Taylor, A. H. (F)
Utman, R. E. (M) Welling, R. L. (A) Wildman, R. C. (SM) Woods, W. A. (M) Young, C. W. (SM)

Colton (LA-OB-7) Hollinrake, J. M. (M)

Compton (LA-7)
Duarte, S. R. (M)
Hauschild, R. L. (M)
Hitterdal, A. B. (M)
Isaacs, J. P. (M)
Pritshette, T. J. (A)
Russell, A. W. (SM)
Schneider, R. L. (M)
Smyth, L. E. (A)
Willcocks, S. J. (A)

Concord (SF-EB-7)
Amstrong, R. S. (M)
Billinghurst, E. M. (M)
Bogdanoff, A. G. (M)
Castanera, T. E. (A)
Clemens, G. W. Jr. (M)
Hyde, W. E. Jr. (M)
Kimes, R. E. (A)
Landeck, O. (A)
Mancuso, W. (A)
Rössi, F. J. (Mi)
Thomas, C. L. (A)

Corona (LA-OB-7)
Adrian, D. J. (M)
Bastedo, G. R. (SM)
Batchelder, D. D. (M)
Bell, D. E. (M)
Berry, J. J. (M)
Blank, S. (M)
Bogue, P. N. (M)
Dealy, M. E. (A) Dealy, M. E. (A)
Dorn, C. G. (A)
Emerson, R. R. (M)
Freydl, E. J. Jr. (M)
Ganahl, P. J. (SM)
Hamilton, R. E. (M)
Harris, E. A. , Jr. (M)
Heywood, N. A. (M) Harris, E. A., Jr. (M)
Heywood, N. A. (M)
Husten, B. F. (SM)
Kimball, F. L. (M)
McComick, E. M. (SM)
McCoskey, A. A. (SM)
Meggers, W. F., Jr. (M)
Munn, R. E. (M)
Nordseth, M. P. (M)
Peringer, P. (M)
Sakamoto, R. (M)
Scharp, G. A. (A)
Scheets, D. F. (SM)
Snoke, C. E., Jr. (SM)
Strother, C., Jr. (M)
Talbot, R. V. (A)
Thomas, M. G. (M)
Weiss, R. E. (M)
Weiss, R. E. (M)
Wieder, H. H. (M)
Wood, B. C. (M)

Corona Del Mar (LA-SA-7)
Goodwin, P. H., Jr. (M)
Kerfoot, B. P., Jr. (SM)
Linebarger, P. J. (A)
Straw, L. J. (M)

Coronado (SD-7)
Franks, B. W. (M)
Held, R. W. (M)
Holmes, W. R. (M)
King, L. E. (SM)
Leavenworth, R. A. (M)
Mathews, A. E. (A)
Siebert, J. A. (M)

rathews, A, E. (A)
Siebert, J. A. (M)
Siebert, J. A. (M)
Siebert, J. A. (M)
Costa Mesa (LA-SA-7)
Akers, R. (M)
Barber, W. S. (M)
Benafel, R. C. (M)
Brown, R. E. (M)
Carroll, R. V. (M)
Edmonds, A. (M)
Goodman, K. (M)
Goodman, K. (M)
Howard, R. C. (SM)
McClay, M. (M)
O'Dononhue, H. J., Jr. (M)
Pyle, W. I. (A)
Robinett, D. B. (A)
Rueffer, H. F. (M)
Schneider, S. (A)
Schupak, L. (M)
Seymour, R. A. (A)
Sinth, J. D. (M)

Covina (LA-OB-7) Anderson, R. W. (M)

Bender, D. W. (M)
Bertness, P. N. (A)
Bewley, L. L. (A)
Buryn, E. C. (A)
Carlson, H. (A)
Cooper, R. G. (A)
Cilliam, D. (M)
Grossman, J. J. (M)
Johnson, C. W. (M)
Johnson, C. W. (M)
Johnson, D. L. (A)
Jones, E. L. (M)
Joyce, J. H. (M)
Little, B. W. (A)
Lord, D. S. (SM)
Lothringer, R. C. (M)
Lody, R. E. (M)
Luty, R. C., Jr. (A)
MacDonald, D. A. (M)
McAllister, M. W., Jr. (A)
Mleczko, E. L. (M)
Neal, F. A. (A)
Powers, K. G. (M)
Stolte, J. J. (A)
Stolte, J. J. (A)
Sylvester, G. E. (M)
Teommey, G. H., Jr. (SM)
Weatherall, T. Q. (M)

Crannel (SF-7) Kidder. R. T. (A)

Culver City (LA-7)

Adcock. M. O. (SM)

Adomian, G. (SM)

Althaus, E. J. (A)

Asendorf, R. H. (M)

Bailev, J. C. (M)

Bailev, J. C. (M)

Baldwin, L. W. (SM)

Barlow, D. S. (SM)

Barrow, S. H. (M)

Barrow, T. S. (M)

Barrow, T. S. (M)

Bares, D. J. (M)

Beecher, D. E. (M)

Bernaul, J. (A)

Combell, G. (M)

Campbell, G. (M)

Campbell, G. (M)

Campbell, R. A. (SM)

Carlie, R. N. (A)

Chalfin, N. L. (M)

Choniard, R. J. (A)

Chistoffers, W. H. (M)

Clapp, M. F. (A)

Clark, M. A. (SM)

Cooper, D. L. (M)

Cooper, D. L. (M)

Cooper, D. L. (M)

Cooper, W. A., Jr. (SM)

Carle, M. R. (A)

Dean, C. F. (M)

Dey (Illier, J. (M)

Doy, R. A. (A)

Dean, C. F. (M)

Dey, A. Jr. (SM)

Doy, R. A. (M)

Doy, R. A. (M)

Doy, R. A. (M)

Doy, R. A. (M)

Doshav, I. (SM)

Coldstein, S. (M)

Glaser, P. S. (M)

Gold, A. R. (M)

Gold, A. R. (M)

Gold, L. M. (SM)

Greenberg, E. L. (M)

Grenberg, E. L. (M)

Gurler, M. R. (A)

Gurler, M. R. (A)

Gustell, L. M. (F)

Fujitsubo, W. S. (M)

Felber, J. F. (M)

Hellwarth, R. W. (M)

Hernfield, F. P. (SM)

Hellwarth, R. W. (M)

Hernfield, F. P. (SM)

Hernshon, R. M. (M)

Hernfield, F. P. (SM)

Hernshon, R. M. (M)

Hernshon, R. S. (M)

Johnson, C. C. (M)

Kelly, P. M. (M)

Kelly, D. M. (M)

King , C. G. , Jr. (M)
Klein, E. A. (M)
Klein, E. A. (M)
Klein, E. S. 1. (M)
Klein, S. 1. (M)
Klein, C. S. 1. (M)
Kodar, N. J. (M)
Keimer, A. G. (A)
Ksienski, A. (M)
Leiver, C. (SM)
Leiver, M. (M)
Levin S. (SM)
Levin C. (M)
Lillon, C. L. (M)
Livesay, M. A. (SM)
Long, M. C. (M)
Livesay, M. A. (SM)
Long, M. C. (M)
Mortan, C. (M)
Maserian, J. (M)
Maserian, J. (M)
Maserian, J. (M)
Medow, A. (M)
Miya, K. (A)
Munushian, J. (A)
Nelson, C. E. (M)
Nelson, C. E. (M)
Nelson, J. S. Jr. (SM)
Nelson, C. E. (M)
Pitta, G. G. (A)
Pittur, F. H. Jr. (A)
Parode, L. C. (SM)
Parid, P. F. (M)
Piccia, L. M. (M)
Pitta, G. G. (A)
Pitturner D. (SM)
Possner, L. (M)
Poulos, P. S. (SM)
Regal, W. J. (SM)
Regal, W. J. (SM)
Regal, W. J. (SM)
Regal, W. J. (M)
Rober, R. P. (M)
Rober, R. P. (M)
Schemeter, D. L. (M)
Schemeter, D. L. (M)
Schemeter, D. L. (M)
Schemeter, D. L. (M)
Schemeter, D. M. (M)
S Schoen, S. (M)
Schoen, S. (M)
Scholnick, S. A. (M)
Schonlau, F. K. (M)
Shamban, W. S. (A)
Shamk, R. J. (F)
Shein, S. (G)
Shein, S. (G)
Shein, S. (G)
Shein, S. (M)
Shein, F. (M)
Shein, F. (M)
Shein, F. (M)
Silen, R. (M)
Silen, R. (M)
Silen, R. (M)
Smith, H. F. Jr. (M)
Soila, A. F. (M)
Stauss, E. G. (M)
Stevens, S. (M)
Talaber, E. S. (M)
Swarts, L. E. Jr. (SM)
Talle, C. A. (M)
Tale, W. R. (M)
Talcott, G. P. (SM)
Talcott, G. R. (M)
Waren, J. R. (M)
Wanen, J. R. (M)
Waren, M. C. (M)

Cupertino (SF-7)
Abbott, C. C. (M)
Bettendorff, O. A. (M)
Blessing, R.L., Jr. (M)
Brennan, R. D. (M)
Brennan, R. D. (M)
Cottrell, C. J. (SM)
Cottrell, C. J. (A)
Forge, C. O. (M)
Forget, T. W. (M)

Gillmeister, F. W. (VA)
Hawkins, S. R. (M)
Henry, E. W. (M)
Holaday, R. E. (A)
Le Vezu, C. G. (A)
Malaun, W. R. (M)
Martin, C. E. (A)
Norans, M. (M)
Patterson, K. P. (SM)
Perry, R. L. (M)
Rickey, R. G. (A)
Varian, R. H. (F)

Cutler (SF-7) Walston, A. G. (M)
Daly City (SF-7)
Kunzman, J. (A)
Tudor, B. J. (A)
Wiesner, J. C. (M)

Danville (SF-EB-7) ville (SF-EB-7)
Barlow, O. M. (M)
Bunn, H. L. (SM)
Kestell, D. L. (M)
Laine, E. F. (SM)
Nish, J. G. (SM)
Norris, N. J. (A)
Sorenson, G. P. (A)
Thompson, F. C. (M)

Davis (SAC-7) Jacob, F. C. (M)

Davis Creek (SAC-7)

Del Mar (SD-7) Mar (SD-7)
Boelens, J. (A)
Firle, T. E. (M)
Jones. W. C. (M)
Levy, G. S. (M)
Schick, H. F. (M)
Widenmann, J. A. (M)

Del Paso Heights (SAC-7) Pahrson, C. R. (A)

Denair (SAC-7) Sayre, M. B. (M)

Diablo (SF-EB-7) Gallaher, J. F. (SM)

Downey (LA-SA-7)
Aoalsoff, J. (A)
Altman, G. G. (M)
Auday, W. S. (M)
Baggao, J. J. (A)
Beall, A. (M)
Bell, H. Jr. (A)
Bell, H. Jr. (A)
Bell, H. Jr. (A)
Burker, R. S. (M)
Burker, R. S. (M)
Buser, J. L. (M)
Buser, A. G. (M)
Campbell, A. T. (M)
Clameter, A. G. (M)
Clameter, A. G. (M)
Clameter, A. G. (M)
Clements, Z. S. (A)
Cliffgard, A. (M)
Comyns, L. S. (M)
Decker, D. T. (A)
Deutsch, W. F. (M)
Duncan, O. B. (SM)
Epstein, H. C. (M)
Friest, D. T. (M)
Hailey, R. D. (A)
Harper, C. E. (A)
Haynes, J. (M)
Henry, J. L. Jr. (SM)
Hockwald, W. (SM)
Hockwald, W. (SM)
Hoskins, H. T. (M)
Je Schonek, A. A. (A)
Johnson, M. W. (M)
Kilroy, J. J. (SM)
Kleyn, P. A. (M)
Knobbe, L. J. (M)
Marstell, J. (M)
Marstell, R. L. (M)
Moroan, V. T. (M)
Sanduszewski, H. E. (M)
Popp, D. R. (A)
Rasmussewski, H. E. (M)
Popp, D. R. (A)
Rasmussewski, H. E. (M)
Popp, D. R. (A)
Rasmusser, C. F. (M)
Sandusky, Z. A. (M)
Schmidt, J. N. (M)
Steffber, L. H. Jr. (M)
Stull, R. J. (SM)

Szahn, J. F. (A)
Tarca, E. L. (M)
Tencelsen, W. E. (M)
Thoms, C. W. (M)
Trousdale, R. B. (M)
Trious, R. J. (M)
Varanav, C. J. (M)
Weber, R. L. (M)
Williams, N. (M)
Wiltorn, L. A. (M)
Wond, D. W. (M)
Worden, D. M. (M)

Duarte (LA-P-7)
Bain, M. B. (M)
Braun, V. J. (SM)
Canova, G. M. (M)
Herman, N. H. (M)
Hooder, P. B. (A)
Rodriguez, P. T. (M)
Sear, A. W. (SM)
Sitler, G. W. (A)
Tong, S. R. (M)
Williams, G. E. (A)

East Palo Alto (SF-7)
Dickey , D , R , (M)
Henderson , K , W , (M)
Iserl , C , H , (A)
Leamard , H , P , (A)
Reif , P , A , (M)

Fast Whittier (LA-SA-7) Sanders . L . L . (M) Sorensen , E . G . (M)

Edwards AFB (CL-7)
Appleate, B. E. (M)
Clarke, J. M. (M)
Davis, J. E. (M)
Freeman, W. L. (A)
Head, N. M. Jr. (M)
Heidrich, A. J. (M)
Lathron, R. C. (M)
Luisi, J. A. (M)
Potter, L. K. (M)
Starr, E. A. (M)
Wills, W. L. (M)
Young, D. D. (M)

El Caion (SD-7)
Alexander, W. G. (SM)
Andersen. G. R. (M)
Bavlev. L. B. Jr. (A)
Burton. K. M. (A)
Chazotte. M. M. Jr. (A)
Cunninoham. E. E. (M)
Dana. J. J. (M)
Foster. C. B. (M)
Goulart. S. J. (A)
Gramman. E. G. (M)
Hardv. W. G. (M)
Hardv. W. G. (M)
Harlis. R. C. (M)
Hawis. J. K. (M)
Howelf. J. E. (M)
Jacobson. R. (SM)
Kaspar. E. J. (M)
Mayekawa. M. (A)
Meierbachtol. C. J. (M)
Moore. J. E. (A)
Oliver. E. F. (A)
Petersen. V. W. (M)
Pitt. C. J. (M)
Quintana, I. M. (M)
Rees. B. A. (M)
Sherburne. C. J. (M)
Smith. G. W. (M)
Soitesz. E. S. (M)
Steiner. F. A. (M)
Vells. T. C. (M)
Wells. T. C. (M)
Wells. T. C. (M)
Wells. T. C. (M)
Williams, A. A. (A)

El Centro (SD-7) Hesse, J. F. (M) Schulze, C. D. (M)

El Cerrito (SF-EB-7)
Bender , R. G. (A)
Binnall , E. P. (M)
Dimmick, R. R. (M)
Grav. H. F. Jr. (SM)
Lavrischeff , J. T. (M)
Lavrischeff , J. T. (M)
McClard, H. H. (A)
Patterson , S. J. (A)
Scott , N. B. (A)
Siesel , L. (M)
Veburg , J. C. (M)
Veltfort, T. E. Jr. (A)
Voaelsberg , F. E. (A)
Watson , H. M. (M)

El Granada (SF-7) Underwood, W. B. (M)

El Monte (LA-P-7) Atherton, C. A. (A) Thomas, R. L. (M)

El Segundo (LA-7)
Arsenault, W. R. (M)
Beard, M. R. (SM)
Black, J. (M)
Brendecke, W. H. Jr. (A)
Buzzek, C. J. (M)
Byck, D. M. (M)
Diamond, P. (SM)
Eaton, C. F. (A)

Ervin, H. D. (M)
Garon, R. J. (M)
Gould., G., P. (M)
Kelloon, C. H. (M)
Lineulst, W. I. (A)
Lushinsky, G. A. (A)
Medina, L. G. (M)
Mesak, C. (M)
Monos, S. (M)
Monos, S. (M)
Mousel, G. W. (A)
Pedersen, R. J. (M)
Petersen, L. D. (M)
Rodaers, J. W. Jr. (A)
Rutherford, D. H. (M)
Severs, W. W. (A)
Sodaro, J. A. (A)
Walent, P. M. (M)

El Sobrante (SF-EB-7) Corl, J. L. (SM) Farrell, S. R. (A) Kaider, H. J. (M) Weinstein, D. A. (A)

El Toro (LA-SA-7) Mongan, A.J.(M)

Emervville (SF-EB-7) Cowlev. P. E. A. (M) Fyler, N. F. (M)

Encinitas (SD-7) Ward , T , C , (A)

Ecino (LA-SF-7)
Anderson. G. W. (M)
Anderson. R. E. (M)
Berwin. T. W. (A)
Brown. B. J. (M)
Cain. G. A. (M)
Cain. G. A. (M)
Caroll. C. T. (M)
Clark. F. J. (M)
Clark. F. J. (M)
Clark. F. J. (M)
Dessau. H. R. (M)
Ferber. D. (M)
Fiffeld. R. K. (M)
Garcia. E. M. (M)
Gilder. G. (M)
Glaser. P. F. (M)
Glaser. P. F. (M)
Glostick. G. H. (M)
Hadden. F. A. (M)
Hall. R. D. (M)
Harris. K. W. (A)
Heoperle. C. M. (SM)
Hoover. J. R. (A)
Jur. C. J. (A)
Kesselman. M. S. (A)
Lacy. R. R. W. (M)
Mann. A. (A)
Marsh. J. A. (SM)
McCann. J. G. (SM)
McCann. J. G. (SM)
McCusker. R. W. (A)
Mintz. E. (M)
Mibbe. G. H. (SM)
O'Halloran. J. F. (SM)
O'Halloran. J. F. (SM)
O'Halloran. J. F. (SM)
Schettle. W. B. (A)
Schroder. R. D. (SM)
Schettle. W. B. (A)
Schroft. H. A. (SM)
Schett. H. A. (SM)
Scott. H. A. (SM)
Scott. H. A. (SM)
Scott. H. A. (SM)
Serf. H. R. (SM)
Silvare. L. E. (A)
Stewart. R. M. (SM)
Swift. C. W. (A)
Von Buelow. R. (A)

Escondido (SD-7)
Baum, R. H. (M)
Franevsky. M. (M)
Hall. J. T. (M)
Hitney. C. J. (M)
Howe, D. H. (M)
Peek, G. E. (A)
Seabaugh. D. A. (M)
Wick, M. R. (M)
Woodward, E. O. (M)

Etna (SAC-7)
Dannenbrink, H. A. Jr. (M)

Eureka (SF-7) Olson. A. E. (A) Smullin, W. B. (A)

Fairfax (SF-7) Gray, P.G. (VA)

Fairfield (SF-7) Finhill, M. (M) Walsh, J. F. (A)

Fair Oaks (SAC-7)

Beeman, J. L. (M)

Bissett, J. C. (M)

Tucker, S. L. (M)

Fallbrook (SD-7) Clark, J. H. (SM)

Felton (SF-7)
Dann, J. A. (M)
Morris, G. H. (A)

Fillmore (LA-B-7) Alker, C. A. (A)

Florin (SAC-7) Tahara, G.R.(A)

Fontana (LA-OB-7) Riquins, M.R.(A) Saez, R.G.(M) Zinn, S.D.(M)

Fort Jones (SAC-7) Fowler, J. A. B. (M)

Fort Ord (SF-7) Melnik , R , P . (M) Miyahira , H . Y . (M)

Fremont (SAC-7) Weed N. M. (M)

Fresno (SF-7)
Bartlett, P. R. (M)
Clark, J. F. III (M)
Crecelius, P. H. Jr. (M)
Foin, O. F. Jr. (M)
Foreman, R. E. (A)
Hancock, J. B. (A)
Lamkin, K. R. (A)
Mealev, K. L. (M)
Whitby, E. R. (M)

mestev. K. L. (M)
Whitby, E. R. (M)
Whitby, E. R. (M)
Fullerton (LA-SA-7)
Adamson, P. A. (SM)
Andrews, R. C. (A)
Asher. R. W. (M)
Baker. D. L. (M)
Baran, P. (A)
Beovich, N. A. (M)
Beroer, J. E. (A)
Billination, C. H. (M)
Billination, C. H. (M)
Bishop, J. F. (M)
Calkins, W. R. (M)
Carlson, R. L. (M)
Carlson, R. L. (M)
Chang, Y. N. (M)
Chang, Y. N. (M)
Clark, C. M. (M)
Cote, J. (SM)
Cote, J. (SM)
Cote, J. (SM)
Coter, R. H. (A)
Comin, M. J. (M)
Cunningham, R. E. (A)
Dawirs, N. L. (M)
Discon, R. G. (M) Cunningnam, R. E., LA, Dawirs, N. L. (M)
Dawirs, N. L. (M)
Dioxon, R. G. (M)
Dolezal, R. T. (A)
Dufault, D. J. (M)
Eliades, J. (M)
Eliades, J. (M)
Enis, F. L. (M)
Eschner, A. Jr. (SM)
Fahnestock, R. J. (M)
Fischer, J. J. (M)
Fischer, D. H. (M)
Fischer, D. H. (M)
Fischer, P. F. (SM)
Flatten, O. H. (M)
Flotter, T. C. (M)
Foster, H. E. (M)
Foster, H. E. (M)
Garcia, E. E. (M)
Honder, M. (M)
Garcia, E. E. (M)
Garcia, E. E. (M)
Garcia, E. E. (M)
Honder, D. H. (A)
Geipel, D. H. (A)
Geipel, D. H. (A)
Harding, G. A. (A)
Hart, M. T. (M)
Hearderson, F. B. (M)
Horrocks, S. W. (M)
Hunt, E. B. (M)
Jones, P. D. (SM)
Karabee, C. R. (SM)
Karabee, C. R. (SM)
Kerr, A. (M)
Kerr, A. (M)
Kerr, A. (M)
King, S. (SM)
King, S. (SM)
King, S. (SM)
King, S. (SM) Knipe, W. M. (A)
Knudsen, A. C. (M)
Knudsen, A. C. (M)
Komosky, G. L. (M)
Kamer, R. F. (M)
Lessley, T. D. (M)
Lewis, B. G. (M)
Lewis, H. F. (M)
Little, G. L. (M)
Locascio, R. J. (M)
Markinen, E. J. (A)
Marnino, R. E. (M)
Marshall, B. (M)
Marshall, B. (M)
Marshall, B. (M)
McKinster, R. G. (M) MCF all . W . A . (M)
MCKinster . R . G . (M)
Mever , A . W . (M)
Mickelson . J . R . (M)
Moore . J . R . (F)
Moraan . R . C . (SM)
Oatt , R . L . Jr . (M)

Pease, N. H. (SM)
Redich, H. S. (M)
Redich, H. S. (M)
Red, R. H. (M)
Red, R. H. (M)
Roberts, J. H. (A)
Roberts, J. H. (A)
Roberts, J. H. (A)
Roberts, J. H. (A)
Roberts, J. G. (M)
Romanelli, J. (M)
Romanelli, J. (M)
Romanelli, J. (M)
Romanelli, J. (M)
Silva, L. M. (M)
Silva, L. M. (M)
Silva, L. M. (M)
Simon, H. S. (M)
Simon, H. S. (M)
Simor, H. S. (M)
Simor, H. S. (M)
Simor, T. E. (SM)
Simor, T. E. (M)
Vail, W. A. (M)
Vail, W. A. (M)
Vail, W. A. (M)
Wittels, L. M. (M)
Varu, N. (SM)
Young, C. E. (SM)

Yaru, N.(SM)
Young, C. E. (SM)

Gardena (LA-7)
Albin, N. E. (A)
Andrews, L. J. (M)
Abbelman, J. F. (A)
Baker, F. A. (M)
Berry, D. C. (A)
Berry, D. C. (A)
Brown, W. A. (M)
Brown, W. A. (M)
Brown, W. A. (M)
Brown, W. A. (M)
Carroll, J. D. (M)
Coltin, A. H. (M)
Cully, R. A. Jr. (SM)
Curle, D. E. (M)
Determan, J. D. (M)
Dillon, M. M. (A)
Dillon, M. M. (A)
Dillon, M. M. (A)
Dillon, R. S. (M)
Dovle, R. E. (M)
Dovle, R. E. (M)
Evans, G. L. (M)
Evans, W. S. (M)
Fine, E. (M)
Fine, E. (M)
Gister, F. W. (M)
Graham, D. K. (A)
Graham, D. K. (A)
Grier, M. B. (SM)
Grimbura, S. (M)
Graham, D. K. (A)
Grimbura, S. (M)
Graham, D. K. (A)
Grimmett, C. A. (SM)
Grimmett, C. A. (SM)
Hallidav, R. G. (M)
Hardrove, R. G. (A)
Hardrove, R. O. (A)
Harkins, S. F. (A) Hallidav, R. G. (M)
Hans, E. (A)
Harcrove, R. O. (A)
Harkins, S. F. (A)
Harkins, S. F. (A)
Harvis, A. W. (M)
Haves, J. E. (M)
Honda, F. S. (M)
Hrubv, R. J. (M)
Johns, J. F. (M)
Kawahara, M. (M)
Kellv, K. C. (M)
Kennann, J. E. (A)
Kerster, G. (M)
Kett, L. G. (M)
Kino, H. E. (SM)
Knoo, G. L. (M) Kett. L. G. (M)
Kino. H. E. (SM)
Knoao. G. L. (M)
Koster. R. A. (A)
Koster. R. A. (A)
Lachenmeler. G. E. (A)
Lowe. J. R. (M)
Linze. D. L. (M)
Malbrain. J. P. (A)
Manelis. R. E. (M)
Mankiewicz. E. J. (A)
Martin. A. P. (M)
Maxson. S. H. (M)
Maxson. S. H. (M)
Maxson. S. H. (M)
Maxon. W. G. (M)
McGhee. R. B. (M)
Minka. G. F. (M)
Minka. G. F. (M)
Nalemnik. G. F. (A)
Nalemnik. G. F. (A)
Nisball. J. L. (M)
Nissim. W. (M)
Olsen. L. V. (M)
Olsen. L. V. (M)
Olsen. L. V. (M) Pinsky, D. D. (A)
Plummer, R. E. (SM)
Quick, T. C. (M)
Reading. J. (M)

Rose, D. J. (M)
Rothwell, T. L. Jr. (A)
Rothwell, T. L. Jr. (M)
Sandbero, A. J. Jr. (M)
Schauwecker, H. E. (M)
Schoer, M. (M)
Schott, A. W. (M)
Schott, A. W. (M)
Schott, A. W. (M)
Schott, A. W. (M)
Schort, M. (R)
Schort, M. (R)
Schort, M. (R)
Schort, M. (M)
Schiner, M. (M)
Slauchter, R. G. (A)
Snauchter, R. G. (A)
Unlovite, M. (M)
Thomason, W. C. Jr. (M)
Tong, K. C. (A)
Urlovic, W. C. (A)
Walker, N. L. (M)
Walsh, J. F. (M)
Webb, J. R. (A)
Winifeld, R. J. (M)
Wizelman, A. (M)
Worrall, J. W. (M)
Yonenoto, N. (M)
Young, G. L. (M)
Zdanowich, C. A. (M)

Garden Grove (LA-SA-7)
Ames, M. D. (M)
Anton, F. C. (A)
Bertrem, C. J. (M)
Bishoo, R. I. (M)
Cilibero, W. H. Jr. (M)
Coloan, A. R. (A)
Cresad, W. A. (SM)
Del Duca, A. (M)
Delbit, R. J. Jr. (M)
Dierken, K. C. (M)
Dunklee, L. H. (M)
Eno, R. F. (M)
Freeman, R. E. (M)
Gebhardt, C. C. (M)
Gebhardt, C. C. (M)
Gebraer, R. E. (M)
Gebhardt, C. R. (M)
Hickman, W. L. Jr. (M)
Jacklin, E. M. (A)
Jones, W. R. (M)
Jungolas, E. E. Jr. (M)
Katsen, C. L. (M)
Katzenberger, H. S. (M)
Katzenberger, H. S. (M)
Lindley, C. J. (A)
Lindley, C. J. (A)
Lindley, C. J. (A)
Lindley, C. J. (M)
Revers, L. J. (M)
Netson, F. E. (M)
Ostrem, R. E. (A)
Packard, D. F. (SM)
Patterson, G. D. (A)
Patterson, G. D. (A)
Patterson, G. D. (A)
Sember, R. D. (M)
Rebers, J. J. (SM)
Reimber, R. D. (M)
Rebers, J. J. (SM)
Reimber, R. N. (A)
Schnitteer, A. W. (M)
Stewart, A. A. (A)
Swenson, R. L. (A)
Vandal, W. L. J. (M)

George AFB (LA-7) Castellucci , A . H . E . (A) Fair , E . G . (A)

Glendate (LA-SF-7)
Ambrose J. R. (SM)
Archer. W. L. (A)
Assaf, E. J. (M)
Auerbach, M. (A)
Bailev, K. D. (SM)
Betolet, E. C. (M)
Bible, R. E. (M)
Bridges, R. L. (M)
Bridges, R. L. (M)
Bridges, R. L. (M)
Bronstein, L. M. (A)
Brouillette, D. A. (M)
Carria, G. W. (SM)
Davis, J. S. (A)
Deen, J. R. (M)
Deen, J. R. (M)
Dixon, A. M. (M)
Enclish, R. B. (M)
Erlcson, R. L. (A)
Feland, R. F. Jr. (A)
Footer, D. E. (F)
Fund, L. E. (A)
Gates, H. A. (SM)
Glaze, R. H. (A)
Griffing, W. R. (A)
Griffing, W. R. (A)
Griff, J. (A)
Griffing, W. R. (A)
Griff, J. (M)
Hand, F. W. Jr. (M)
Insalaco, J. J. (M)
Kindt, D. J. (M)
Kindt, D. J. (M)
Kindt, D. J. (M)
Later, T. C. (SM)
Later, T. C. (SM)
Lehan, F. W. (SM)
Lehan, F. W. (SM)

Masline, E. J. (M)
Meek, T. J. Jr. (SM)
Meersman, R. J. (M)
Michael, C. (A)
Mras, R. J. (M)
Newberry, A. W. (SM)
Newcomb, R. (SM)
Nuut, A. (M) Newcomb, R. (SM)
Nuut, A. (M)
Ockene, N. J. (M)
Ohlson, G. A. (M)
Parzl, R. C. (M)
Parzl, R. C. (M)
Parzl, R. C. (M)
Parzl, R. C. (M)
Pressman, G. L. (M)
Prost, D. B. (M)
Royer, R. N. (M)
Sanders, R. W. (SM)
Satinsky, S. (M)
Satinsky, S. (M)
Schmidt, L. M. (SM)
Scott, W. F. (M)
Simson, B. L. (M)
Simson, B. L. (M)
Simson, B. L. (M)
Simson, B. L. (M)
Stele, F. (M)
Stele, F. (M)
Stele, F. (M)
Stele, W. T. (M)
Stele, M. T. J. (M)
Tzschentke, H. A. (M)
Valiquette, D. J. (M)
Valiar, T. F. (M)
Wallis, D. E. Jr. (M)
Mylis, D. E. Jr. (M)
Mylis, D. E. Jr. (M)
Modra (LA-OB-7)

Glendora (LA-OB-7)
Bennett, J. R. (M)
Burk, P. O. (M)
Doeleman, H. (SM) Burk, P. O. (M)
Doeleman, H. (SM)
Friend, J. Q. (SM)
Gehrinn, J. E. (M)
Gimmell, A. L. (M)
Hodder, W. K. (M)
Jones, J. G. (VA)
Kneen, W. (SM)
Kreader, P. H. (M)
Kuwahara, D. J. (M)
McDonald, J. J. (A)
McElwee, J. F. (A)
McGee, H. A. (SM)
Montgomery, D. N. (M)
Pohlman, D. W. (M)
Pohlman, D. W. (M)
Schultz, R. T. (M)
Schultz, R. T. (M)
Schuank, R. T. (A) Schwank, R. T. (A)
Seeger, J. A. (M)
Seeger, J. A. (M)
Snodgrass, D. D. (M)
Sparling, W. N. (M)
Tallman, C. R. (A)
Waltz, D. M. (M)
Worth, N. M. (SM)
Goleta (LA-SB-7)
Ainsworth, M. J. (SM)
Berd, F. J. (M)
Bode, D. E. (SM)
Brower, J. W. (SM)
Brower, J. W. (SM)
Brown, W. P. (M)
Cohan, L. (M)
Frasure, L. R. (M)
Glancy, D. R. (SM)
Hill, D. R. (M)
Larsen, R. A. Jr. (M)
Liechty, W. (M)
McBurney, M. D. (M)
McBurney, M. D. (M)
McWay, F. C. (M)
Miller, C. E. Jr. (M)
Ophelm, L. E. (A)
Paul, A. D. (M)
Reid, J. R. (M)
Robbins, W. M. Jr. (A)
Wanless, C. B. (M)
Wanless, C. B. (M)
Wanless, C. B. (M)
Wolthausen, L. H. (A) Wolthausen, L. H. (A)

nada Hills (LA-SF-7)
Absher, G. E. (M)
Aleshire, T. S. (M)
Allen, R. J. (M)
Allin, R. J. (M)
Allin, R. J. (M)
Allin, R. J. (M)
Allinon, G. R. (A)
Allinon, G. R. (A)
Allinon, G. R. (A)
Astelle, G. E. (M)
Battman, R. J. (M)
Canfield, L. D. (M)
Canfield, L. D. (M)
Canl, R. J. (M)
Canl, R. J. (M)
Cassidy, C. J. (M)
Chana, B. (M)
Cole, B. M. (SM)
Dalton, R. A. (M)
Davis, W. K. (M)
Deaux, F. J. (M)
Eckel, K. G. (M)
Eckel, K. G. (M)
Fortuna, A. F. (A)
Flettcher, F. L. (M)
Fortuna, A. F. (A)
Flettcher, F. J. (SM)
Galati, V. J. (M)
Gautrey, L. (A)
Gillessie, E. S. (M)
Howard, W. J. (A)
Jackson, R. O. (M) Granada Hills (LA-SF-7)

Kalaviian J Jr (M)
Keiser J J A (A)
Keiser J A (A)
Kern S A (M)
Kohn J A (M)
Kohn J A (M)
Lowine S E (A)
Lombardo C P (A)
Loweless R M (M)
Mac Coll J J B (A)
Machis J J (M)
Martin D R (M)
Mc Dutcheon S R (M)
Meyer D R (M)
Meyer D R (M)
Meyer D R (M)
Mooney G F (A)
Morrow, H W (M)
Neison G A (M)
Nowak R F O (M)
Patterson M A (SM)
Perlman M (M)
Patterson M A (SM)
Perlman M (M)
Patterson M (M)
Selian M (M)
Seldon M (M)

Grass Valley (SAC-7) Litton, C.V.(F)

Gridley (SAC-7) Moore, W. L. (M)

Grossmont (SD-7) Applin, R. H. (M)

Hamilton AFB (SF-7)
Parrott, J. H. Jr. (M)
Richter, W. C. (A)
Roberts, R. W. (M)
Whalen, A. D. (M)

Hanford (SF-7) Nelson, R. A.(M)

Harbor City (LA-7)
Hamilton, W. J. (A)
Volth, W. L. (M)

Hawthorne (LA-7)
Abascal, N. (M)
Arcluch, J. P. (M)
Arcluch, J. P. (M)
Asnicar, D. V. (A)
Bannes, J. G. (M)
Bloom, L. (M)
Bran, D. H. (A)
Cambell, H. G. (A)
Cawanach, J. R. (SM)
Christensen, A. V. (M)
Chy, H. (M)
Clark, G. L. (M)
Collins, W. C. (SM)
Dao, T. T. (A)
Endo, F. Y. (M)
Eznoznik, F. Jr. (SM)
Evans, B. H. (A)
Galle, H. P. (A)
Gee, L. C. (M)
Gerson, H. (M)
Gerson, H. (M)
Gillespie, D. P. (A)
Gills, D. E. (M)
Griffin, J. W. (M)
Maln, L. T. (M)
James, E. (M)
Johnson, D. G. (A)
Kail, L. T. (M)
Maln, L. T. (M)
Maln, L. J. (A)
Martes, G. E. (M)
Miller, B. C. (M)
Miller, B. C. (M)
Miller, B. C. (M)
Miller, R. R. (A)
Norsell, H. C. (M)
Orliz, R. R. (A)
Osborn, C. R. (SM)

Parker, L. W. (M)
Paschke, M. J. (M)
Pinher, R. W. (SM)
Pirice, G. O. (A)
Proctor, C. A. Jr. (A)
Robertson, R. E. (SM)
Rufus, D. (M)
Sabol, R. W. (SM)
Savev, W. E. (M)
Savev, W. E. (M)
Savev, M. E. (E. (SM)
Savev, M. E. (E. (SM)
Savev, M. Savev, Schinberder, E. J. (M)
Schedd, I. A. (M)
Sirbola, G. (M)
Siobna, B. (M)
Stan, A. B. (M)
Staer, D. N. (M)
Stearn, E. A. (M)
Stearn, E. A. (M)
Stewart, G. R. (M)
Switzer, W. L. (M)
Tucknott, T. P. (M)
Twohia, P. E. (A)
Van Winkle, D. M. (SM)
Weedel, D. R. (M)
Wilkinson, J. H. (M)
Wilkinson, J. H. (M)
Williams C. E. (SM)
Winchell, W. L. (M)
Woordemann, H. H. (SM)
Yahiro, R. K. (M) Yost, E. A. (M) Young, J. W. Jr. (A)

Havward (SF-EB-7)
Brenkwitz . J . M . (M)
Brown . A . E . (A)
Cook . R . A . (M)
Flovd . G . M . (M)
Fort . J . R . (A)
Gausmann . W . H . (A)
Kees . A . A . (M)
Kivoi . G . T . (M) Kiyoi, G. T. (M) Leavitt. G. A. (M) Prosser. T. F. (M) Rudkin. R. L. (M) Ruzic. J. (A) Smith, E. E. (A)

Smith, E. E. (A)

Hemosa Beach (LA-7)
Anderson, R. W. (M)
Brandi, E. (M)
Brown, D. (M)
Browne, J. D. (M)
Claor, J. D. (M)
Claor, J. D. (M)
Develet, J. D. (M)
Develet, J. A., Jr. (A)
Donnellv, J. E. (A)
Gardner, J. A. (A)
Hansen, J. R. (A)
Jones, L. E. (M)
Lentz, T. (A)
Mann, D. A. (M)
Plerson, J. E. (M)
Rousseau, A. L. (M) Rousseau. A. L. (M) Russell. W. J. (M) Schulz. D. P. (M) Slaule. W. R. (M) Toffler. J. E. (M) Zamites, C. J. (M)

Highland Park (LA-0B-7) Banta, R. P. (M)

Erickson . L . G . (SM) Hellman . C . G . (M) Ogilvie, A. R. (SM)

Hollvdale (LA-SA-7) Brown , B , L , (A) Hesqard , N , A , (M) Stone , L , M , (M)

Hesaard. N. A. (M)
Stone, L. M. (M)
Stone, L. M. (M)
Hollywood (LA-7)
Aronowitz, A. (M)
Bemish, J. G. (M)
Benson, A. L. (M)
Bileke, A. D. (M)
Bileke, A. D. (M)
Brittan, D. D. (M)
Brittan, D. D. (M)
Brittan, D. D. (M)
Broant, H. L. (A)
Cooke, N. G. (A)
Davis, A. (SM)
De Cristoforo, E. J. (A)
Denechaud, R. G. (VA)
Dennev, B. H. (A)
Erlich, J. (A)
Ferlich, J. (A)
Ferlich, J. (A)
Ferlich, J. (A)
Ferlich, J. (M)
Garabedian, A. (M)
Grapov, F. C. (SM)
Grapov, F. C. (SM)
Greanov, F. C. (SM)
Greanov, F. C. (SM)
Kelload, M. A. (M)
Kern, R. D. (A)
Kabuss, N. G. (SM)
Kelload, W. A. (M)
Kern, R. D. (A)
Kobb, G. B. (SM)
Kuofer, R. C. (SM)

Moody . R. C (SM)
Noorland . M . (SM)
Oslok . W . R . (A)
Reaan . E . D . (M)
Reis . F . O . Jr . (A)
Ross . H . E . (M)
Sandy . R . J . (A)
Schwartz . N . (M)
Scott . P . (M)
Tanlor . M . (A)
Solomon . B . D . (A)
Solow . B . (M)
Stafford . J . W . (M)
Stoddart . R . R . (F)
Tasker . H . G . (SM)
Tavlor . W . J . (M)
Templin . E . W . (SM)
Terry . R . E . (M)
Thatcher . R . (M)
Uecke . E . H . (A)
Urey . G . M . (M)
Werst . H . J . (M)
Worlst . N . L . (A)

Huntinaton Park (LA-7)
Allee . R . V . (M)
Allen . R . M . (A)
Dunct 3 . A . A . (VA)
Norris . P . P . Jr . (A)
Olson . W . J . (M) Tingley, R. G. (M)

Imperial Beach (SD-7) Curtls . G . D . (M) Hodges . P . (M) Kercher, T. C. (M)

Indio (LA-7) Edwards , B . G . (M)

Inalewood (LA-7)
Adams. W. (M)
Anderson. A. T. (M)
Arand. E. M. (M)
Barker. R. D. (M)
Barkert. C. W. (M)
Berist. C. W. (M)
Beihl. P. A. (M)
Berstein. H. L. (M)
Berstein. H. L. (M)
Berstein. H. L. (M)
Berstein. W. (M)
Borsch. K. S. (SM)
Box. F. M. (A)
Bradv. R. E. (SM)
Bradv. R. E. (SM)
Bradv. R. E. (SM)
Bradv. R. E. (SM)
Brown. J. L. (M)
Burns. B. E. (A)
Clark. S. F. (M)
Cole. G. (M)
Cickmav. C. J. (M)
Cunninoham. O. J. (M)
Dental. R. C. (M)
Dinsmore. S. H. (M)
Field. J. O. (M)
Field. J. O. (M)
Field. J. O. (M)
Fowler. R. H. (M)
Garland. W. J. (A)
Gillmer. A. H. (SM)
Guth. N. P. (M)
Gardand. W. J. (A)
Gillmer. A. H. (SM)
Hannum. A. J. (SM)
Harninton. L. M. (M)
Hollowav. V. C. (SM)
Hollowav. V

MacKenzie . L . G. (A)
Malone . H . L . (A)
Marbor . W . R. (A)
Marable . H . E . (M)
Martin . D . (SM)
Martin . D . (SM)
Marbor . L . A . (SM)
McHennis . J . H . . J . (M)
McKechnie . R . M . (M)
Meckerssel . E . F . (A)
Meter . D . A . (M)
Morensen . R . E . (M)
Morensen . R . E . (M)
Nakatsu . G . Y . (M)
Noland . J . W . (M)
O'Nell . W . F . (M)
Patruskv . N . (SM)
Pelline . P . E . (M)
Patruskv . N . (SM)
Pelline . P . E . (M)
Poll . W . F . (M)
Postroy . L . A . (A)
Poll . W . F . (M)
Romond . L . G . (M)
Redmond . J . G . (M)
Redmond . J . G . (M)
Redmond . J . G . (M)
Robinson . J . A . (M)
Sambuco . A . J . (M)
Send . L . F . (A)
Seid . E . (M)
Sherry . J . J . (M)
Stock . S . (M)
Sherry . J . J . (M)
Stock . S . (M)
Taylor . E . N . (M)
Torne . R . E . (M)
Tornel . S . (M)
Taylor . E . N . (M)
Wile . D . A . (M)
Walturle . W . A . (A)
Walturle . W . A . (A)
Walturle . W . A . (A)
Widenn . B . W . (M)
Williams . H . M . (A)
William . .lr . (M)

Inverness (SF-7) Thompson, H. K. (M)

Irvington (SF-EB-7) Bennett . R . D . (F Leach , D . P . (M)

Thiel, J. V. (VA)

Joshua Tree (LA-)B-7) Easter, W. A. (M)

Kelsevville (SF-7) Quarfoot, H.B.(M)

Kentfield (SF-7) Conrad, R.C.(M)

Kenwood (SF-7) Hosmer, E. A. (SM)

Kerman (SF-7) Anson, C. T. (VA)

Kinasbura (SF-7) Kidd.T.L.(M) Wilson,F.H., III (M)

Knights Landing (SAC-7) Harris, W. B., Jr. (M)

Harris, W. B., Jr. (h
La Canada (LA-P-7)
Barclav. W. F. (A)
Barnes, R. B. (M)
Batson, D. D. (M)
Brewer, D. R. (SM)
Brown, W. E., Jr. (A)
Bullock, R. E. (M)
Cane, M. P. (A)
Chase, W. P. (M)
Cuttis, H. A. (M)
Faris, E. M. (M)
Fullmer, M. D. (M)
Goodwin, P. S. (SM)
Henry, D. S. (A)
Herron, J. R. (SM)
Hiddins, S. F. (M)

Kenkel. H. H. (SM)
Kevser. J. H. ...lr (SM)
Koerner. T. W. (M)
MacMillan. R. S. (M)
McFadden. W. C. (M)
Moore. M. H. (M)
Parks. R. J. (M)
Penoles. J. E. (A)
Read. G. W. (M)
Rhoads. J. A. (SM)
Rodine. R. R. (M)
Schor. F. W. (SM)
Seelret. F. W. (SM)
Seelret. F. J. ...lr. (SM)
Shadle. P. W. (SM)
Will. F. M. (SM)
Whistler. W. B. (A)
Wolfe. H. (M)
Younger, U. E. (M)

La Crescenta (LA-P-7)
Adams. J. A. (M)
Boensel. D. W. (M)
Ermatinger. C. E. (A)
Frilot. R. J. (A)
Ge.5. D. G. (M)
Holt. D. F. (A)
Lange. G. F. (A)
Linslev. A. O. (A)
Lorens. C. S. (M)
Maithonis. W. C. (A)
Meyer. H. (M)
Morectoft. J. H. ...Ir. (SM)
Nardoni. F. N. (M)
O'Neil. W. T. (M)
Piroumian. M. A. (M)
Reinloltz, W. H. (M)
Staunaro. J. A. (SM)
Tlompson, R. W. (M)

Lafavette (SF-EB-7)
Buchanan, L. R. (M)
Keller, J. E. (M)
Kirsten, F. A. (M)
Krueger, R. E. (M)
Martin, W. L. (M)
Montalbano, M. (A)
Morrison, G. E. (M)
Morrison, G. G. (M)
Morrison, J. S. (SM)
Smith, L. C. (M)
Steed, W. P. (A)
Waddell, J. F. (SM)

Laguna Beach Oemv, J. C. (M) Heaton, G. C. (M) Holmes, P, J. (A)

Holmes, P, J, (A)

La Habra (LA-SA-7)
Bechtold, I. C. (SM)
Bennett, J, R. (A)
Blake, F, G., Jr. (SM)
Clester, M. E. (M)
Clark, A. R. (M)
D'Evelon, R, P. (A)
Gronlund, R. A. (M)
Hawkins, W. J. (M)
Himler, G. (SM)
Horst, C. W. (A)
Husman, P. A. (A)
Karsh, H. (M)
Laird, R. R. (M)
Laird, R. R. (M)
Linder, C. O. (M)
Low, L. L. (A)
Polhemus, J. T. (M)
Staisslinger, H. R. (A)
Struve, L. M. (M)
Tillev, A. E. (M)
Trorev, A. W. (A)
Unterberger, R. R. (M)

Trorey, A. W. (A)
Unterberger, R. R. (M)

La Jolla (SD-7)
Bentley, A. W. (A)
Bishoo, H. O. (SM)
Bramhall, E. H. (SM)
Burnar, D. G. (A)
Chadbourne, H. L. (M)
Cotcher, A. L. (SM)
Erickson, W. A. (M)
Flarity, W. H. (M)
Fox. E. M. (M)
Hafstrom, J. R. (SM)
Hamann, O. F. (A)
Hono, J. A. (SM)
Lanoston, J. F. (M)
Lanoston, J. F. (M)
Liddlard, G. E. (M)
Markle, R. L. (M)
Markle, R. L. (M)
Markle, R. L. (M)
Miller, P. G. (M)
Naive, J. A. (M)
O'Neal, K. R. (M)
O'Neal, S. F. (SM)
Ritchart, R. C. (M)
Robbins, D. L. (A)
Sadler, E. J. (M)
Slaole, W. C. (M)
Theobald, D. J. (M)
Slaole, W. C. (M)
Theobald, D. J. (M)
Theobald, D. J. (M)
Slaole, W. C. (M)
Slaole, S. G. W. (M)
Beck Von Peccoz, S. G. W. (M)

Lakeside (SD-7) Rogers, T, E, (M)

Lakewood (LA-SA-7)
Ashcraft. W D (M)
Beard. G W (M)
Beau. J F (M)
Bonem. E J (M)
Cain. G H .Jr (M)
Cain. G H .Jr (M)
Combs. W J (A)
Dahlin. R K (A)
Eskrides. T P (M)
Francis. T F (A)
Francis. T F (A)
Frankiewich. C (M)
Gerhard. F H (M)
Guocenheim. R W (M)
Hawley. A E (M)
Hawley. A E (M)
McKown. S J (M)
Oethike. A F (M)
Oethike. A F (M)
Oethike. A F (M)
Ross. T A (M)
Ross. T A (M)
Walker, H, E (M)

La Mesa (SD-7)
Ackerman. S. L. (SM)
Carberry. J. F. (A)
Carv. R. J. Jr. (M)
Cland. E. B. (M)
Delo. R. E. (A)
De Mers. E. F. (SM)
Evev. R. R. (M)
Femer. R. O. (M)
Fisher. H. G. (A)
Foiland. D. F. (SM)
Hill. D. M. (M)
Hill. D. M. (M)
Hill. D. M. (M)
Lindenfelder. C. C. (M)
Lowebern. A. G. Jr. (M)
Lowebern. A. G. Jr. (M)
Madsernan. H. W. (M)
Mathisen. W. D. (A)
Miller. R. H. Jr. (SM)
Modv. D. G. (M)
Moore. W. E. (M)
Diesen. C. E. (M)
Pike. F. R. (M)
Ratevich. A. E. (M)
Schmidt. M. A. (A)
Schmidt. M. A. (A)
Schmidt. M. A. (A)
Schotover. M. R. (A)
Smith. D. I. (M)
Smith. J. B. (F)
Torrible. A. W. (A)
Trolese. L. G. (SM)
Walker. W. D. (A)
Welch. O. R. (M)
Walker. W. D. (A)
Welch. O. R. (M)
Willaker. W. D. (A)

La Mirada (LA-SA-7)
Alfrev.P.R. (M)
Baleanorth.G.V. (M)
Beniamin.F. (M)
Bennett.J.L. (M)
Bennett.J.L. (M)
Bennett.J.L. (M)
Carlson.R. (M)
Carlson.R. S. (M)
Chernev.R. W. (M)
Davis.K.J. (M)
Eisner.W. (M)
Gaston.J.B. (M)
Gillen.T.W. (M)
Gillen.T.W. (M)
Griden.A.J. (M)
Grieve.W.R. (M)
Holt.W.L. (A)
James.B.B. (A)
Kina,D.L. (A)
Kraemer.W.H. (M)
Kreaeer.P.C. (A)
Kruber.F. W. (M)
Loon.D.M. (SM)
Marsh.S.V. (SM)
McClure.D.H. (A)
Mollov.J.M. (M)
Peterson.W.R. (SM)
Robertson.S.D. (M)
Sandoval.F.O. (A)
Simmons.J.W. (M)
Sandoval.F.O. (M)
Smith.G.C. (M)
Sward.W.O. (M)

Lancaster (LA-7)
Adams . W. C. (M)
Allison . C. H. (A)
Barbour . L. D. (M)
Barry . R. N. (M)
Belcher . A. C. (A)
Bero . R. L. . Jr. (M)
Bolina . H. E. (A)
Christianson . W. O. (A)
Cullins . D. H. (A)
Durham . S. C. (M)
Eckard . P. E. (A)
Elsemman . T. W. (M)
Green . F. W. (M)
Hetz . R. G. (M)
Inskeep . J. Z. (A)

Kimble. C. B. (M)
Lono, L. M. (M)
Maquire. J. P. (M)
Miller J. R. (A)
Miller J. R. (A)
Miller J. R. (M)
Natenstedt. H. (M)
Parks J. K. W. (A)
Rasoue. D. E. (M)
Rea. W. P. Jr. (M)
Sansinaton. H. M. (M)
Sehnert. P. J. (M)
Shumate. C. L. (M)
Skenc. R. A. (M)
Steinbrenner. E. W. (A)
Swelev. G. K. (A)
Wolfe, A. E. , Jr. (M)

La Puente (LA-OB-7) Gerlach, A, B, (A) Green, A, W, (M) Griffin, D, J, Jr, (M) Shearer, G, W, (M) Thomas, J, B, (M) Wade, E, P, (M)

La Verne (LA-OB-7)
Buehler , M , E , (A)
Crofts , G , B , (M)
Flanders , A , E , (M)
Ilgenfritz , N , H , (M)
Nelson , E , K , (M)
Rilev , O , V , (M)
Schertz , C , W , (A)

Schertz, C., W. (A)

Lawndale (LA-7)

Allbera - W. E. (A)

Alvarez - A. R. (M)

Dennis - J. (M)

Frederick - J. W. (M)

Hansen - C. B. (M)

Hollinnsworth - V. N. (A)

Kennedv - F. D. (M)

Lambert - T. C. (M)

Lee - L. E. (M)

Linn - D. L. (A)

Mann - G. A. (M)

Parker - H. F. (M)

Polzin - E. (M)

Schmid - A. A. (M)

Swan - R. L. (M)

Zobel - E. R. (M)

Lemon Grove (SD-7) Kogan, J. C. (A) Leitner, P. R. (M) Lpucks, H. D. (M)

Livermore (SF-EB-7)
Aaland. Kris (M)
Aas. E. A. (SM)
Alander. N. E. (A)
Anderson. J. S. (M)
Bostwick. W. E. (M)
Bostwick. W. E. (M)
Branum. D. R. (SM)
Brown. D. W. (A)
Carlson. B. V. (A)
Carstensen. H. K. (M)
Combton. P. D. Jr. (SM)
Enos. R. C. (M)
Finnican. R. E. (M)
Francis. H. D. Jr. (SM)
Francis. H. D. Jr. (SM)
Finnican. R. E. (M)
Gresson. D. E. (M)
Hamm. T. Jr. (M)
Iiams. R. K. (M)
Iiams. R. K. (M)
Martinell. R. E. (M)
Katiz. J. E. (M)
McMaster. W. J. (A)
Molzahn. D. W. (M)
McMaster. W. J. (A)
Molzahn. D. W. (M)
Moore. J. M. (M)
Neson. G. G. (M)
Nucent. T. Jr. (M)
Noren. H. (M)
Owen. H. (M)
Owen. H. (M)
Noven. H. (M)
No

Willows, J. L., Jr. (M)
Wrlght, J. B. (M)
Loma Linda (LA-OB-7)
Woods, R. W. (SM)

Loma Mar (SF-7) Bennion, D. R. (M)

Lomita (LA-7)
Chesire. F. C. . Jr. (M)
Edwards. J. L. (A)
McWaid. F. H. (M)
Palmerson. P. J. (M)
Roper, W. J. (M)

Lomboc (LA-SB-7)
Anderson, W. H. (A)
Arford, F. W. (M)
Brillhart, M. F. (A)
Corvese, R. D. (M)
Fix. O. W. (SM)
Griswold, F. B. (M)
Hearn, O. (SM)
Jenkins, R. A., Jr. (M)
Lestick, A. P. (A)
Vornom, R. G., Jr. (M)

Lond Beach (LA-7)
Andersen. E. A. (M)
Andreosky. E. (M)
Ashcraft. A. E. Jr. (M)
Barlow. J. T. (A)
Beamslev. G. V. (A)
Bement. W. A. (M)
Blakely. L. (A)
Brandes. R. E. (M)
Browherton. S. E. (M)
Brownera. R. S. (M)
Brownera. M. T. (M)
Carev. G. D. (M)
Chavarria. J. N. (SM)
Cole. B. T. (M)
Corrad. E. G. (A)
Dale. E. E. (M)
Drake. W. H. (M)
Duffv. B. A. (M)
Emerv. S. (A)
Enholm. E. C. (M)
Farrand. C. E. (M)
Ferreira. R. (A)
Fether. W. B. (A)
Feinnia. J. B. (M)
Friebera. M. (A)
Gall. C. E. (M)
Gardner. F. H. (SM)
Grammes. E. G. . Jr. (A)
Harbour. D. H. (M)
Hardv. R. M. (M)
Hardv. R. M. (M)
Hardv. R. M. (M)
Hardver. R. J. (M)
Hardwer. R. J. (M)
Hardwer. R. J. (M)
Hutcherson. J. V. (M)
Jenkins. A. F. Jr. (A)
Jimence. J. W. (M)
Keopel. R. A. (SM)
Kollanse. D. C. (M)
Kalzman. H. J. (M)
Keopel. R. A. (SM)
Kollanse. D. C. (M)
Kalzman. H. J. (M)
Keopel. R. A. (SM)
Kollanse. D. C. (M)
Mackev. E. F. (M)
Missutomi. T. (A)
Moorhouse, T. R. (A)
Micholas. R. V. Jr. (M)
Nickels. R. V. Jr. (M)
Schwabt. A. H. (M)
Schwartz. M. J. (M)
Wilce. Yee G. (M)

Young, J. A. (M)

Los Alamitos (LA-SA-7) Anderson, F. A. (A) Lavin, J.H. (M) Moulton, J. A. (M) Romano, A. J. (M) Schandl, E. (M) Swaln, P. F. (A)

Los Altos (SF-7) s Altos (SF-7)
Ahouss/eman, W. (SM)
Adams, M. B. (SM)
Adams, M. B. (SM)
Addleman, L. A. (M)
Aiken, W. R. (M)
Alberdina, R. C. (A)
Allent, T. L., L. (M)
Amost, D. C. (M)
Anost, D. C. (M)
Anost, D. C. (M)
Aves, W. P. (M)
Baalev, A. S. (SM)
Baldwin, E. M. (M)
Baldev, A. S. (SM)
Baldwin, E. M. (M)
Baldev, A. S. (SM)
Baldwin, E. M. (M)
Bastow, W. R. (M)
Bastow, W. R. (M)
Beson, R. H. (M)
Beson, R. H. (M)
Beson, R. H. (M)
Beson, R. H. (M)
Both, A. F. Jr. (M)
Blimbero, M. (M)
Booth, W. T. (M)
Booth, W. T. (M)
Booth, W. T. (M)
Booth, W. T. (M)
Bowau, H. P. (SM)
Rourauin, K. R. (M)
Brownino, S. D. (M)
Burbard, F. J. (M)
Butherfield, F. E. (M)
Cane, J. M. Prof. (SM)
Carloi, J. K. (SM)
Carloi, J. K. (SM)
Cosshall, J. D. (M)
Cosswell, W. P. (Cant. (SM)
Corduan, A. E. (SM)
Densmore, M. E. (A)
De Young, M. W. (M)
Donnelly, M. E. (M)
Donnelly, M. E. (M)
Donnelly, M. E. (M)
Donnelly, M. E. (M)
Eldrede, E. E. (SM)
Elisier, B. (M)
Eldrede, E. E. (SM)
Elisier, B. (M)
Eldrede, E. E. (SM)
Elster, S. (M)
Elster, S. (M)
Elster, S. (M)
Elster, S. (M)
Fereman, G. V. H. (A)
Froman, R. (M)
Freeman, G. V. (M)
Freeman, G. V. (M)
Hill, C. R. (SM)
Hanlsch, W. R. (M)
Harlsch, W. R. (M)
Hill, C. R. (SM)
Hill, C. R. (Koch, G. E. (M)
Koehler, L. K. (M)
Kruesi, G. G. (M)
Kyle, W. F., Jr. (M)
Laforoe, L. H., Jr. (SM)
Lansinger, J. M. (M)
Larse, G. L. (M)

La Rue. A. D. (SM)
La Tourrette. P. M. (M)
Lauler. L. J. (M)
Leurans. R. W. (M)
Lind. J. N. (A)
Lind. J. M. (M)
Marshar. P. (SM)
Marshar. R. A. (M)
Marshar. R. A. (M)
Marshar. D. P. (M)
Masher. D. P. (M)
Masher. D. S. (M)
Masher. D. S. (M)
May. R. W. (M)
McGuloan. W. D. (SM)
McGuloan. W. D. (SM)
McGuloan. W. D. (SM)
McHeoner. J. L. (SM)
Melchor. J. L. (SM)
Melchor. J. L. (SM)
Melchor. J. L. (SM)
Melchor. J. L. (SM)
Mills. M. E. (M)
Morris. G. R. (SM)
Morris. G. R. (SM)
Morris. G. R. (SM)
Morris. G. R. (SM)
Murahv. E. J. (SM)
Morris. G. R. (SM)
Mers. W. D. (SM)
Navecki. J. T. (SM)
Navecki. J. T. (SM)
Nelson. B. E. (M)
Norlis. C. B. (M)
Pallakoff. O. E. (SM)
Pallakoff. O. E. (SM)
Pallakoff. O. E. (SM)
Pallakoff. O. E. (SM)
Pallakoff. O. E. (M)
Peterson. C. J. (M)
Peterson. C. J. (M)
Pitice. G. W. (SM)
Price. G. W. (SM)
Sackman. R. (A)
Sackman. R. Zaphiropoulos, R. (M)

Los Altos Hills (SF-7)
Anderson, J. R. (M)
Baker, R. H. (M)
Baker, G. E. (SM)
Dawlev, J. R. Jr. (M)
Doak, R. S. (SM)
Fonda, R. D. (M)
Hoover, W. G. (M)
Kirchner, A. A. (SM)
Libbv, L. L. (SM)
Main, W. F. Jr. (M)
McCullouch, J. A. (F)
Richter, E. O. (A)
Robertson, O. F. (SM)
Spitzer, C. F. (SM)

Los Anueles (LA-7)
Abel. A. D. (M)
Abeson. I. S. (A)
Ackerman. C. L. (MI)
Adler, S. L. (MI)
Alloort, B. T. (MI)
Alloort, R. E. (A)
Alcartara. I. W. (MI)
Alloort, S. M. (MI)
Alloort, N. I. (MI)
Alloort, N. I. (MI)
Ambrosio, A. (MI)
Ambrosio, A. (MI)
Anderson, D. N. Jr. (MI)
Anderson, R. S. (MI)
Anderson, R. S. (MI)
Anderson, R. S. (MI)
Anderson, R. S. (MI)
Anderson, W. J. (MI)
Anderson, W. J. (MI)
Anderson, W. J. (MI)
Antell, S. (MI)
Aranv. R. (MI)
Arrowal, J. (MI)
Arrowal, J. (MI)
Armold, J. R. (A)
Armold, J. D. (MI)
Aurost, J. D. (MI)
Aurost, J. D. (MI)
Auroth, W. G. (MI)
Auroth, N. (MI)
Avers, R. D. (MI)
Avers, R. D. (MI)
Babin, R. S. (SMI)
Babin, R. S. (SMI)
Babin, R. S. (SMI)
Babin, R. R. (MI)
Ballar, J. J. (MI)
Ballar, R. R. (MI)
Bernard, R. R. (MI)
Bernard, R. R. (MI)
Be

Borks, M. D. (M)
Bouse, G. B. (A)
Rowman, E. H. (SM)
Browley, J. L. (SM)
Bradlev, J. A. (M)
Bradlev, J. A. (M)
Bradlev, J. A. (M)
Bradlev, J. A. (M)
Brown, E. L. (SM)
Brown, E. L. (SM)
Brown, F. R. (M)
Brown, F. C. (M)
Cambell, J. C. (M)
Cambell, F. L. (M)
Cambell, S. (M)
Cambel

Curtiss, A. N. (S.M.)
Dalton, M. M. (A.)
Darlino, J. A. (A.)
Darlino, J. A. (A.)
Darlino, J. A. (A.)
Darlino, J. K. (A.)
Darlino, J. K. (A.)
Darlino, J. K. (A.)
Darlino, J. K. (A.)
Davis, J. J. (A.)
Davis, J. F. (M.)
Davis, J. F. (M.)
Davis, J. J. (M.)
De Florio, G. P. (A.)
De Micco, A. (A.)
Demsev, D. J. (M.)
Demnsev, D. J. (M.)
Demnsev, D. J. (M.)
Dennsev, D. J. (M.)
Denny, W. I. (A.)
Deshamms, T. (M.)
Dernham, C. R. (M.)
Dersham, T. (M.)
Dersham, T. (M.)
Dersham, T. (M.)
Dever, P. F. (A.)
Deyo, R. J. (A.)
Deyo, R. J. (A.)
Deyo, R. J. (A.)
Dible, T. R. (M.)
Diible, D. A. (S.M.)
Domike, D. A. (M.)
Domike, D. A. (M

Friedman, P. (M)
Frink, F. W. (SM)
Froellch, R. W. (M)
Fry, B. L. (A)
Fujimoto, B. (M)
Fujimoto, J. (M)
Fujimoto, V. (M)
Fujimoto, Y. (M)
Fujimoto, Y. (M)
Fujimoto, Y. (M)
Fujimoto, W. (A)
Fujimoto, Y. (M)
Fujimoto, J. (M)
Gallajher, H. E. (M)
Gallajher, H. E. (M)
Ganson, F. (M)
Gaste, H. P. Jr. (SM)
Gates, H. P. Jr. (SM)
Gates, H. P. Jr. (SM)
Gades, R. S. (M)
Geddes, R. S. (M)
Geddes, R. S. (M)
Gedson, G. (M)
Gestsinoer, G. 1. (M)
Gefson, F. (M)
Geroon, F. (M)
Gerson, G. (M) Gloor, R. D. (M)
Gloor, R. D. (M)
God, R. J. (M)
God, R. J. (M)
God, R. J. (M)
Godolinski, J. A. (A)
Golbert, S. A. (M)
Goldent, S. A. (M)
Goldent, S. A. (M)
Goldenstern, G. M
Goldenstern, G. M
Goldenstern, G. M
Goldenstern, G. M
Goddwin, J. W. (M)
Goddwin, F. E. (M)
Goodwin, F. E. (M)
Goodwin, F. E. (M)
Goodwin, J. W. (M)
Gordon, G. (M)
Gordon, G. (M)
Gordon, G. (M)
Gordon, G. M
Gordon, G. (M)
Gordon, G. (M)
Goris, E. N. (M)
Goris, E. N. (M)
Goris, E. N. (M)
Goris, E. N. (M)
Goris, E. J. (M)
Goris, E. J. (M)
Goris, E. J. (M)
Gould, E. W. (M)
Goray, M. J. (M)
Graby, R. J. (M)
Graby, R. J. (M)
Graby, R. J. (M)
Gray, W. W. (M)
Gray, W. W. (M)
Gray, W. W. (M)
Green, J. S. (SM)
Green, J. S. (SM)
Greenbaum, M. (M)
Greif, H. D. (M)
Greif, H. D. (M)
Greif, H. D. (M)
Greif, H. D. (M)
Grief, H. D. (M)
Grier, R. A. (M)
Grien, L. J. (M)
Griener, L. A., III, (M)
Grove, J. L. (M)
Gruen, W. J. (F)
Guerrero, E. S. (SM)
Guinny, E. R. (A)
Gunny, E. R. (A)
Gutcheon, W. Y. (M)
Haberland, E. R. (M)
Hader, J. C. (M)
Hall, K. A. (M)
Haris, D. B. (M)
Hartman, R. H. (M)
Harshenau, R. L. (M)
Harrishon, V. L. (M)
Harrishon, V. L. (M)
Harrishon, V. L. (M)
Harshenau, R. L. (M)
Harshenau, Hatchl, S. (M)
Haubrichs, F. P. (SM)
Hayashida, B. N. (M)
Hayata, T. (M)
Hayata, T. (M)
Hayes, W. T. (A)
Havman, G. O. (M)
Havmond, H. R. (M)
Havmond, V. M. (M)
Hecht. B. (SM)
Heffier, E. K. (A)
Helliffon, J. (A)
Helm. F. A. (M)
Heimiller, R. C. (A)
Heliffon, J. (A)
Helm. F. A. (M)
Helmirer, C. E. (M)
Hendrick, G. E. (M)
Hendrick, G. E. (M)
Hendrick, T. A. J. (M)
Herrick, T. A. J. (M)
Herrick, T. A. J. (M)
Hindra, G. J. J. (M)
Hickev, R. E. (M)
Hickev, R. E. (M)
Hidashi, A. K. (A)
Hill, D. M. (M)
Hoffman, H. J. (SM)
Hoffman, L. A. (SM)
Holidav, I. M. (SM)
Holtrichier, J. (M)
Holtzchier, J. (M)
Holtznan, J. C. (M)
Honer, J. F. (SSM)
Honor, H. I. (M)
Horo, E. (M)
Horo, E. (M)
Horowitz, I. M. (M)
Horon, H. J. (M)
Horon, H. J. (M)
Howard, J. W. (A)
Howard, J. W. (A)
Howard, J. J. (M)
Horon, R. C. (M)
Howard, R. A. Jr. (M)
Howard, J. J. (M)
Howard, J. J. (M)
Howard, R. A. Jr. (M)
Howard, R. M. (M)

Kaufman . S. (M)
Kavafnauch . E. V. (M)
Kawanauch . H. Y. (A)
Kave . R. (A)
Keast. D. N. (M)
Kelen. R. V. (SM)
Kelen. R. V. (SM)
Kelen. D. A. (SM)
Kell. H. A. (M)
Kell. D. A. (SM)
Kennedv. F. M. (SM)
Kennedv. M. E. (F)
Kerr. J. S. S. (SM)
Killer. P. J. (SM)
Killer. B. (M)
Killer. B. (M)
Killer. B. (M)
Kins. E. F. (SM)
Kins. E. (M)
Kind. D. E. (M)
Kind. P. E. (M)
Kind. P. L. (SM)
Kind. R. F. (SM)
Kind. R. F. (SM)
Kind. R. F. (SM)
Kind. R. E. (M)
Kind. D. E. (M)
Kobarabi. J. T. (M)
Koba

Levv. P. G. (M)
Lew. H. W. (A)
Lewi. J. B. (SM)
Libaw. W. H. (A)
Liewi. J. B. (SM)
Lichtman. S. W. (M)
Lindelle E. (M)
Lindelle P. A. (A)
Lindelle E. (M)
Lindelle P. A. (A)
Looler R. D. (M)
Loonev. B. W. (SM)
Loonev. B. J. (M)
Lowell R. J. (M)
Lucas. A. (A)
Lindelle P. (M)
Ludd. R. E. (M)
Ludd. R. E. (M)
Ludd. R. E. (M)
Ludd. W. W. (M)
Ludd. W. W. (M)
Ludd. W. W. (M)
Ludd. W. W. (M)
Ludd. M. (SM)
Maclains. F. A. (A)
MacCrone C. R. (A)
Macid. M. (SM)
Malloin. J. A. (M)
Marour R. L. (M)
Marour R. R. (M)
Marstan R. C. (M)
Marstan R. C. (M)
Martin. R. P. (M)
Marstan R. C. (M)
Martin. R. A. (M)
McCoun. R. R. (M)
McLend. M. G. (M)
Miller. R. C. (

Mitchell. C. A. . II (A)
Mitchell. J. M. (A)
Mitchell. J. M. (A)
Miwata. J. M. (M)
Miwata. J. J. (M)
Mockbee. R. L. (M)
Mockbee. R. L. (M)
Molier. M. E. (SM)
Moller. J. K. (SM)
Moller. J. C. (M)
Moore. P. G. (A)
Moore. P. G. (A)
Moore. P. G. (A)
Moore. W. J. (A)
Moren. J. T. (M)
Morris. J. B. (M)
Morris. J. D. (M)
Morris. J. D. (M)
Morris. J. D. (M)
Morris. J. D. (M)
Morris. J. G. (M)
Morris. J. C. (M)
Morris. J. C. (M)
Morris. J. S. (M)
Morris. J. C. (M)
Mosa. J. F. (A)
Mueller. G. E. (SM)
Mueller. G. E. (SM)
Mueller. W. A. (M)
Mueller. W. A. (M)
Muller. G. E. (SM)
Murai. A. I. (M)
Murakami. E. T. (M)
Murakami. E. T. (M)
Murakami. E. T. (M)
Murakami. P. K. (M)
Murakami. P. K. (M)
Nakab. J. (M)
Nakano. H. (M)
Nakano. H. (M)
Nakano. H. (M)
Nakano. H. (M)
Nakano. J. Y. (M)
Nakano. J. Y. (M)
Neumann. J. W. (A)
Nordord. C. P. (M)
Nordord. R. M. (M)
Nordor

Pincknev. C. B. (M)
Pincts. L. (M)
Pincts. L. (M)
Pinct. C. J. (M)
Piotr. C. J. (M)
Piotr. C. J. (M)
Piotr. C. J. (M)
Piotr. C. A. (SKM)
Piotr. C. A. (SKM)
Piotr. C. A. (SKM)
Plotkin. S. C. (M)
Politr. C. G. (M)
Politr. C. G. (M)
Politr. C. G. (M)
Pontr. R. L. (M)
Pontr. R. L. (M)
Pottr. R. J. (M)
Piotr. G. (M)
Piotr. G. (M)
Piotr. G. (M)
Piotr. G. (M)
Piotr. R. L. (SM)
Piotr. R. M. (SM)
Radant. M. E. (M)
Rainville. L. E. (M)
Ramon. S. (F)
Ramos. A. A. (M)
Ramon. S. (F)
Ramos. A. A. (M)
Ramon. S. (F)
Ramos. A. R. (M)
Ramon. R. C. Jr. (A)
Redd. R. C. (M)
Redd. R. C. (M)
Redd. R. C. (M)
Redd. R. C. (M)
Redd. R. C. Jr. (A)
Redd. R. C. (M)
Reder. R. N. (M)
Referer. R. N. (M)
Reimer. O. Jr. (A)
Redol. R. C. Jr. (A)
Redol. R. J. (M)
Reimer. O. Jr. (A)
Reimer. O. Jr. (A)
Reimer. O. Jr. (A)
Reimer. O. Jr. (A)
Reind. R. J. (M)
Rifkind. J. (M)
Rifkind. J. (M)
Roberts. P. J. (M)
Roberts. P. S. (M)
Rosa. G. N. (M)
Rosenstein. A. B. (M)
Rosa. G. N. (M)
Rosenstein. A. B. (M)
Rosa. G. N. (M)
Rosenstein. A. B. (M)
Rosa. G. N. (M)
Rosa. G. N. (M)
Rosenstein. A. B. (M)
Rosa. C. N. (M)
R

CALIFORNIA - 459 -

Schuster, D. H. (M) Schwartz, A. (A) Schwartz, B. (M) Schwartz, W. L. (M) Scoffone, R. G. (M) Scope, S. (M) Scone, S. (M)
Scott, R. G. (M)
Scott, W. H., Jr. (M)
Scott, W. H., Jr. (M)
Scars, R. E. (M)
Seal, R. E. (M)
Seal, R. E. (M)
Seal, R. E. (M)
Seider, D. L. (A)
Seider, D. J. (SM)
Seider, S. (SM)
Seileck, R. S. (M)
Seileck, R. S. (M)
Senseman, R. W. (M)
Senseman, R. W. (M)
Senseman, R. W. (M)
Senseman, R. W. (M)
Senseman, E. W. (M)
Senseman, E. W. (M)
Shaboo, J. Jr. (M)
Shaboo, J. Jr. (M)
Shaboo, J. Jr. (M)
Shalon, S. C. (SM)
Shameson, L. (M)
Shamabhan, E. F. (M)
Shanahan, E. F. (M)
Shanahan, E. F. (M)
Shanahan, E. F. (M)
Shamabwan, E. F. (M)
Shaoire, A. (M)
Shaoire, R. W. (M)
Sher, B. L. (M)
Shaoire, R. W. (M)
Sher, B. L. (M)
Shimabukuro, G. T. (M)
Shimabukuro, G. T. (M)
Shimabukuro, G. T. (M)
Shimabukuro, G. T. (M)
Shonenaker, H. L. (A)
Shoemaker, H. L. (A)
Shoemaker, H. G. (M)
Shonon, W. F. (M)
Shonon, W. F. (M)
Shonon, W. F. (M)
Shore, H. G. (M)
Sidlo, G. J. (M)
Sidlo, G. J. (M)
Sidlo, G. J. (M)
Silliwan, W. B. (M)
Silliwan, W. B.

Strieby, M. (M)
Strimer, R. (M)
Strimwasser, E. (M)
Strumwasser, E. (M)
Stuver, H. J. (A)
Sussex, G. R. (M)
Sussex, G. R. (M)
Sussex, G. R. (M)
Swanthe, E. (SM)
Swarthe, E. (SM)
Swiceood, K. T. (M)
Szerlio, A. (SM)
Talima, G. K. (SM)
Talima, G. (M)
Takhashi, A. Y. (M)
Takhashi, A. Y. (M)
Takhashi, A. Y. (M)
Talot, J. J. (M)
Tanlellan, G. (M)
Tance, H. F. (SM)
Tarsel, D. C. (M)
Tarsel, D. C. (M)
Tavor, C. (M)
Tatoro, C. (M)
Tavor, T. C. (M)
Tavor, T. C. (M)
Tavor, T. C. (M)
Tellez, J. M. B. (M)
Terzian, R. C. (M)
Tesker, J. A. (M)
Thomas, R. L. (M)
Thomas, R. J. (M)
Thomas, R. L. (M)
Thomas, R. L. (M)
Thomas, R. L. (M)
Thomoson, B. M. (M)
Thomoson, B. M. (M)
Thomoson, R. B. (M)
Thomoson, R. B. (M)
Thomash, E. (SM)
Tomika, J. R. (M)
Trance, R. (M)
Trance, C. (M)
Tr

Whiston, R. W. (M)
White, W. H. (M)
White, W. H. (M)
White, W. H. (M)
White, W. H. (M)
Whiten, R. K. (M)
Whiten, R. K. (M)
Whiten, E. C. (A)
Willian, E. T. (M)
Wille, W. E. (A)
Willis, M. R. (A)
Willis, M. R. (M)
Wills, C. F. (M)
Wills, C. F. (M)
Wills, C. F. (M)
Wills, M. R. (M)
Wills, C. F. (M)
Wills, M. R. (M)
Winson, H. (SM)
Winson, H. (SM)
Winston, H. (SM)
Winston, H. (SM)
Winston, H. (SM)
Winston, H. (SM)
Winters, M. N. (M)
Wires, G. A. (M)
Wires, G. A. (M)
Wolfe, R. E. (M)
Wolfe, A. F. (A)
Woolf, A. F. (A)
Woolf, A. F. (A)
Woolf, A. F. (A)
Woolf, A. F. (M)
Wood, C. (M)

Los Banos (SF-7) Hunt, M. D. (A)

Lus Banos (SF-7)
Hunt, M., D. (A)

Los Gatos (SF-7)
Burns, W. E. (M)
Bwrnes, P. J. (M)
Craddock, W. O. (M)
Craddock, W. O. (M)
Craddock, W. O. (M)
Drake, J. M. (M)
Drake, J. M. (M)
Drake, J. M. (M)
Goddard, W. A. (M)
Goddard, W. A. (M)
Heintz, R. M. (F)
Henschke, R. A. (SM)
Hurmel, K. H., Jr. (A)
Ivina, D. W. (M)
Kownacki, S. (SM)
McLauchlin, J. A. (M)
McDade, E. J. (M)
McDade, E. J. (M)
McDade, E. J. (M)
Mortson, H. L. (M)
Orrick, R. L. Jr. (M)
Stokes, B. C. (M)
Stoner, F. E. (SM)
Stoner, F. E. (SM)
Stoner, F. E. (SM)
Stoner, F. E. (SM)
Tritton, R. F. (A)
Vindino, J. P. (A)
Weeks, R. W. (M)
Werlake (FE, T.)

Lower Lake (SF-7) Wunderlich, G. F. (SM)

Lynwood (LA-7) Iwood (LA-7)
Albon, R. . Jr. (A)
Audick, G. C. (A)
Davidson, J. K. (A)
England, R. E. (M)
Jeffrev, H. S. (M)
Lavson, W. L. (A)
Miller, D. E. (M)
Roth, E. L. (M)
Yoder, A. A. (A)

Mallbu (LA-7) Chatfield, M. B. (SM) DIII. J. M. (A) HIII., C. R. (SM) Hudspeth, T. (M) Ivev. L. I. (M)

Kina, G. L. (M)
Knowles, W. S. (SM)
Koontz, D. E. (A)
Law, R. R. (F)
Lewis, D. E. (M)
Linvill, W. K. (M)
Love, C. E. (M)
Morse, J. H. (M)
Purdv, W. E. (A)
Yearsley, W. A. C. A. (M)

Manhattan Beach (LA-7)
Alessi, V. J. (M)
Andrews, G. B. (M)
Andrews, G. B. (M)
Barcholomew, H. R. (M)
Beachler, R. R. J. (SM)
Booth, F. T. (A)
Booth, F. T. (A)
Bower, G. G. (SM)
Buell, F. D. (A)
Burke, H. W. (M)
Clav, J. D. (M)
Clav, J. D. (M)
Clav, J. D. (M)
Clav, J. D. (M)
Cuntis, C. W. (M)
Conover, W. V. (M)
Corotta, F. C. (M)
Curtis, C. W. (M)
Curtis, C. W. (M)
Curtis, C. W. (M)
Curtis, C. W. (M)
Downey, E. J. Jr. (M)
Downey, E. J. Jr. (M)
Downey, E. J. Jr. (M)
Fisher, C. (M)
Fisher, C. (M)
Fisher, R. C. (M)
Fisher, R. C. (M)
Fisher, R. C. (M)
Fisher, R. C. (M)
Galowaks, N. L. (M)
Georde, L. C. (M)
Garandowski, K. P. (M)
Graham, J. D. (M)
Graham, J. D. (M)
Graham, J. D. (M)
Graham, J. C. (M)
Herkinen, R. R. (M)
Herkinen, R. R. (M)
Herkinen, R. R. (M)
Herkinen, R. R. (M)
Helkinen, R. R. (M)
Homes, J. S. (M)
Kenny, P. C. (M)
Kind, D. E. (M)
Kind, D. E. (M)
Keliv, R. S. (M)
Keli

Mantoca (SAC-7) Arwine , R. (A)

Martinez (SF-EB-7) Bumpass, R.C.(A)

Mar Vista (LA-7) Alford. W. H. (A) Allen. B. G. (A) Hanna, R. E. (M)

Mather AFB (SAC-7) Marquez, A. (M)

Mavwood (LA-7) Hansen . H . R . (M) Jatras , S . J . (M)

McCtellan AFB (SAC-7) Friday, R. G. (A) Halnes, R. S. (M)

Menin Park (SF-7) IND PARK (SP-7)
ALCOME, C. L. (SM)
Aldows, C. N. (M)
Aldows, C. N. (M)
Autr. C. E. (M)
Aborn, C. L. (SM)
Babcock, D. F. (SM)
Babcock, D. F. (SM)
Babcock, D. F. (SM)
Babcock, D. F. (SM)
Barnes, C. W. ., Ir. (SM)
Berl, D. L. T. ., Ir. (M)
Bell, D. L. T. ., Ir. (M)
Bell, D. L. T. ., Ir. (M)
Benedict, D. L. (SM)
Bera, M. R. (M)
Billev, J. C. ., Jr. (M)
Black, F. R. (M)
Black, F. R. (M)
Brandon, E. T. (M)
Brows, H. B. (SM)
Brown, O. H. (SM)
Brown, O. H. (SM)
Cameron, E. G. (SM)
Carter, E. F. (F)
Chell storo, T. S. (M)
Crandon, L. H. (SM)
Carter, E. F. (F)
Cone, W. H. (SM)
Connor, T. J. (A)
Connor, T. J. (A)
Connor, T. J. (A)
Connor, J. W. (M)
Cox, B. (SM)
Crandon, L. H. (SM)
Crandon, L. H. (SM)
Crandon, L. H. (SM)
Crandon, J. (M)
Dewere, R. M. , Jr. (M)
Dodder, C. A. ., Jr. (SM)
Flitter, L. L. (M)
Flitterer, C. E. (M)
Fland, M. (M)
Flided, W. J. (SM)
Flight, L. L. (M)
Frankel, S. (F)
Gano, L. D. (A)
Golder, J. M. (M)
Frankel, S. (F)
Hanvesna, B. K. (M)
Hansen, J. F. (M)
Housholder, D. B. (SM)
Hunter, S. P. (A)
Hunder, J. F. (M)
Housholder, D. B. (SM)
Hunter, S. P. (A)
Honder, D. S. (SM)
Jacobsen, G. C. (M)
Johnson, R. R. (M) Johnson B. M. (A)
Johnson R. R. (M)
Johnson R. R. (M)
Jones E. D. (M)
Jones E. D. (M)
Jones E. D. (M)
Jones E. M. T. (SM)
June G. C. (A)
Kaar J. M. (M)
Kautz J. M. (M)
Kautz W. H. (M)
Kebly. M. H. (M)
Kebly. M. H. (M)
Kebly. M. H. (M)
Kebly. M. H. (M)
Keller. N. E. (A)
Kennedy. H. D. (M)
Kine, R. C. (M)
Kine, R. C. (M)
Kinesford-Smith. C. A. (M)
Kinesford-Smith. C. A. (M)
Lendabrand. R. L. (M)
Lendabrand. R. L. (M)
Lendert. F. G. J. (SM)
Lucke. W. S. (SM)
Lucke. M. S. (SM)
Manhart. R. A. (M)
Lynch. W. M. (M)
Matthern. M. F. (M)
Matthern. M. F. (M)
Matthern. T. B. (M)
MicWhorter. M. M. (A)
Meader. H. W. (A)

Meisting, T. H. (SM)
Meiville, R. W. (M)
Mensch, J. R. (M)
Meyer, H. M., Jr. (A)
Monson, J. E. (M)
More, E. J. (SM)
Morin, T. H. (SM)
Morla, T. H. (SM)
Muehlner, J. W. (SM)
Nelson, R. A. (M)
Noe, J. D. (SM)
North, D. O. (A) Noe, J. D. (SM)
North, D. O. (A)
Notthoff, A. P., Jr. (M)
Olson, H. O. (A)
Papaas, R. L. (SM)
Parsons, W. L. (M)
Patton, W. R. (M)
Patton, W. R. (M)
Paulsen, W. C. (A)
Petrak, J. R. (SM)
Posaduk, G. F. (SM)
Posaduk, G. F. (SM)
Presnell, R. I. (SM)
Presnell, R. I. (SM)
Presnell, R. I. (SM)
Presnell, R. I. (SM)
Rice, P. J. J. (SM)
Ritter, F. W. (SM)
Ritter, F. W. (SM)
Ritter, F. W. (SM)
Robertson, D. M. (M)
Rosers, J. H. (A)
Ropa, R. L. (SM)
Rosers, J. H. (A)
Ropa, R. L. (SM)
Roser, C. A. (SM)
Roser, C. A. (SM)
Roser, C. A. (SM)
Roser, C. A. (SM)
Salmon, V. (SM)
Salmon, V. (SM)
Sileoper, G. E. (M)
Schaffman, W. E. (A)
Schlobohm, J. C. (A)
Shuster, J. W. (M)
Silhavy, W. M. (A)
Sleeper, G. E. J. (SM)
Stoft, P. E. (M)
Stoft, R. M. (M)
Valdas, L. B. (SM)
Wallarino, A. R. (M)
Valdes, L. B. (SM)
Wallare, R. A. (M)
Wallace, D. L. (M)
White, R. R. E. (SM)
Whitehom, R. A. (M)
Werell J. M. (M)
Whitehom, R. A. (M)
Werell J. M. (M)
Whitehom, R. A. (M)
Werell J. M. (M)
Wilson, L. H. (A)
Wilson, L. H. (M)
Worley, O. C. (M)
Worley, O. C. (M)
Worley, O. C. (M)
Worley, C. E. (M)
Varinker, F. I. (M)
Worley, C. E. (M)
Worley, C. E. (M)
Worley, C. C. (M)
Worley, C. E. (M)
Worley, C. E. (M)
Worley, C. E. (M)
Worley, E. E. (M)
Worley, C. E. (M) Younker, E. L. (M)

Merced (SF-7) Hintz, H. F. (A) Pinsky, B. (A) Semeniuk, B. G. (M)

Millbrae (SF-7) Bean, T. C. (M)
Calvert, C. C. (A)
Moore, K. A. (M)
Reed, J. M. (M)
White, H. A. (M)

Mill Valley (SF-7) I Valley (SF-7)
Behringer, D. S. (M)
DavIdson, J. D. (A)
Feeney, W. G. (M)
Harbridge, E. A. (A)
Jacobs, H. N. (M)
Kotzum, J. (A)
Smith, H. H. (M)
Vreeland, R. W. (M)

Anderson, R. D. (M)
Bridges, J. C. (M)
Burkhart, R. N. (A)
Zobel, F. J., Jr. (M)

Mission San Jose (SF-EB-7) Hostetter, D. M. (M) McGee, M. E. (M)

Modesto (SAC-7)
Bates, W. H., Jr. (VA)
Patmore, R. A. (M)

Mojave (CL-7) Notar, C. A. (A)

Monrovia (LA-P-7) (A) Ambrose, E. G. (A) Bell, N. W. (M) Brandes, R. A. (M)

Bremner, D. S. (A)
Carney, D. E. (A)
Gillesnie, H. R., Jr. (M)
Goodman, F. R. (M)
Hawes, R. C. (A)
Lawler, R. H. (M)
Livezey, J. A. (M)
McGill, J. J. (M)
Petraglia, N. E. (A)
Petry, C. B. (SM)
Pfund, E. T., Jr. (M)
Skeirik, R. M. (M)

Montara (SF-7) Booker, J. P. (M)

Monta Vista (SF-7)
Barr, I (M)
Evans, K. R. (M)
Hochman, D. (SM)

Montclair (LA-OB-7) ntclair (LA-OB-7)
Grigg, J. W. (A)
Jameson, C. J. (M)
Lindstrom, R. G. (A)
Lock, R. W. (M)
Montgomery, J. O., Jr. (M)
Smith, P. E. (M)

Montebello (LA-7) Emerson, R. W. (A) Nakamura, M. (M) Sakamoto, R. T. (M)

Montery (SF-7)
Anderson, R. W. (M)
Bamhart, R. W. (M)
Bauer, W. M. (M)
Church, R. (M)
Conroy, T. P. (M)
Conroy, T. P. (M)
Conroy, T. R. (M)
Frey, A. R. (SM)
Glet, G. R. (SM)
Glet, G. R. (SM)
Glastow, R. S. (F)
Holsington, D. B. (SM)
Klamm, C. F., Jr. (M)
Marmont, G. H. (M)
McArdle, O. L. (A)
Murray, R. P. (M)
Norris, W. E. (M)
Oler, C. B. (SM)
Rightmyer, J. M. (M)
Rightmyer, J. M. (M)
Robauge, C. H. (M)
Smith, W. C. (M)
Smith, W. C. (M)
Smith, W. C. (M)
Wilson, O. B. Jr. (M)
Wilson, R. V. Jr. (M)
wilson, R. V. Jr. (M)
nterey Park (LA-7)
Bacon, W. I.

Monterey Park (LA-7)
Bacon, W, L. (A)
Brown, S, P. (A)
Carlin, J, H. (M)
Crippen, C, E. (SM)
Lossin, S, F. (M)
Eykholt, A, L. (M)
Eykholt, A, L. (M)
Fucile, F, B. (M)
Gong, H. (M)
Kasai, G, S, (M)
Kasain, S, (M)
Klein, R, (SM)
Klein, R, (SM)
Kliment, P, (A)
Konp, E, H. (M)
Lockhart, R, W. (SM)
Morrison, R, T, (M)
Perry, J, T, (M)
Perry, J, T, (M)
Shenk, J, W. (M)
Statton, G, (M)
Stoner, V, F, (M)
Wong, H, (M)

Montrose (LA-P-7)
Christilaw, J. S. (M)
Cooper, R. K. (M)
Cox, J. A. (M)
Fitzgerald, R. W. (M)
Jensen, A. K. (M)
McClure, G. E. (M)
Sorensen, C. A. (M)

Moraga (SF-EB-7) Tibbetts , D , R , (SM)

Morgan Hill (SF-7) Yoshii, H. (A)

Morro Bay (LA-SR-7) Waltz, K. E. (M)

Mountain View (SF-7)
Aitchison, D. C. (M)
Allen, S. E., Jr. (M)
Amlinger, P. R. (M)
Augustine, A. F. (SM)
Baminick, R. E. (M)
Beard, C. J. (SM)
Bellamy, J. L. (SM)
Bett, J. E. (A)
Blickensderfer, J. A. (SM)
Bonseigneur, P. J., Jr. (A)
Booth, R. E. (M)

Borghi, R. P. (A)
Bradley, E. J. (A)
Bradey, E. J. (A)
Brede, D. W. (M)
Brednan, J. J. (M)
Bridgman, A. D., Jr. (M)
Briskin, H. B. (SM)
Briskin, H. B. (SM)
Briskin, H. B. (SM)
Briskin, H. B. (SM)
Card, A. A. (M)
Caryotakis, G. (M)
Cand, A. A. (M)
Caryotakis, G. (M)
Clark, C. B. (M)
Clifton, J. K. (M)
Clifton, J. K. (M)
Coley, R. E. (M)
Cook, P. D. (M)
Cook, P. D. (M)
Cook, P. D. (M)
Don Carlos, J. K. (M)
Dickson, J. J. (M)
Dickson, J. D. (M)
Diesmer, O. G. (M)
Diesmer, O. G. (M)
Fingh, H. J. (M)
Farlow, C. C. (M)
Frinch, L. (M)
Frinch, L. (M)
Fronbach, H. F. (M)
Grimm, R. L. (M)
Garriott, O. K. (M)
Grimm, R. L. (M)
Grimm, R. A. (SM)
Harley, J. M. (SM)
Helon, M. D. (M)
Helman, R. J. (A) Hoffman, R. J. (A)
Hofmelster, L. A. (A)
Horsley, G. S. (M)
Hughes, F. J. (SM)
Humphries, J. (M)
Hunter, L. W. (M)
Hunfer, D. L. (M)
Jasbeau, J. G. (M)
Jakstys, V. J. (M)
Jinp, J. (M)
Johnson, D. Q. (M)
Joste, T. R. (M)
Kearns, R. J. (M)
Kearns, R. J. (M) Kedrh, R. D. (M)
Keldh, R. D. (M)
Keldh, R. D. (M)
Keldr, W. J. (M)
Kennedy, P. (SM)
Kenedy, P. (SM)
Kenedy, F. (M)
Kennedy, F. (M)
Kennedy, E. (M)
Kennedy, E. (M)
Kennedy, E. (M)
Kennedy, H. (M)
Kennedy, H. (M)
Kennedy, H. (M)
Leifer, M. (F)
Lemofr, J. H. (SM)
Lewis, P. L. (M)
Lincoln, E. T. (A)
Lipkin, L. (SM)
Livingstone, R. H. (M)
Livingstone, R. H. (M)
Livingstone, R. H. (M)
Livingstone, R. H. (M)
Maccono, F. I. (SM)
Maccono, F. I. (SM)
Maccono, F. I. (SM)
Maccono, F. I. (SM)
Maccono, F. I. (M)
Maninger, L. L. (M)
Maninger, L. L. (M)
Maninger, L. L. (M)
Markum, J. A. , Jr (M)
Markum, J. A. , Jr (M)
Markum, J. A. , Jr (M)
Medlin, J. F. (M)
Medlin, J. E. (A)
Medlin, J. E. (A)
Miller, M. R. (M)
Miller, M. R. (M)
Miller, M. R. (M)
Miller, M. R. (M)
Norse, E. W. (M)
Norse, E. W. (M)
Norse, E. W. (M)
Norse, E. A. (A)
O'Neill, J. R. (M)
Pace, N. M. (M)
Palmer, R. N. (SM)
Palmer, R. N. (SM)
Palmer, R. N. (SM)
Peavey, W. W. (M)
Penveters, D. W. (M)
Peters, E. O. (A)

Peters, R. L. (M)
Pfost, R. F. (M)
Pfost, R. F. (M)
Pramann, R. F. (M)
Pramann, R. F. (M)
Rain, P. S. (M)
Ramsy, W. R. (M)
Ramsy, W. R. (M)
Ramsy, W. R. (M)
Ramsy, W. R. (M)
Regenos, K. M. (A)
Rese, C. S. (A)
Rice, J. E., Jr. (M)
Riley, R. B. (M)
Riley, R. B. (M)
Riley, R. B. (M)
Rourke, C. R. (M)
Ruddock, K. A. (M)
San, C. (M)
San Vicente, R. (M)
San Vicente, R. (M)
Sarouis, R. H. (M)
San Vicente, R. (M)
Sanvis, R. H. (M)
Schoderbek, J. J. (M)
Schoderbek, J. J. (M)
Schoter, F. W. (M)
Schoter, F. W. (M)
Schoter, F. W. (M)
Schoter, F. W. (M)
Schuruph, D. A. (M)
Schultz, W. R. (M)
Schuruph, D. A. (M)
Schuritz, W. R. (M)
Schuritz, J. R. (M)
Simon, D. H. (M)
Stephens, R. A. (M)
Store, R. E. (M)
Sumason, W. E. (M)
Walden, L. H. (M)
Walden, L. H. (M)
Walden, L. H. (M)
Walder, L. F. (M)
Weissman, J. G. (SM)
Wesenberg, C. M. (M)
Weissman, J. G. (SM)
Wesenberg, C. M. (M)
Wilson, A. L. (M)
Winderman, H. G. (A)
Zimmerman, H. G. (A)

Mount Wilson (LA-P-7) Knight, J. B., Jr. (SM)

Napa (SF-7)
Buice, G. S. (M)
Mingst, H., C. (SM)
Morgenstern, H., S. (A)
Morris, W., S. (M)
Shelton, R. G. (M)
Shephard, C., S. (A)
Sorensen, A., G. (A)

National City (SD-7) Vawter, V. E. (M)

Nevada City (SAC-7) Hickerson, R. L. (A)

New Almaden (SF-7) Engle, C. G. (M) Perham, D. M. (SM)

Newport Beach (LA-SA-7)
Amdahl, G. M. (M)
Barton, D. C. (M)
Barton, D. C. (M)
Ceccarini, R. E. (M)
Cole, F. H. (VA)
Counter, J. M. (M)
Diamond, A. (M)
Diamond, A. (M)
Deny, S. T. (M)
Gehlke, D. A. (SM)
Gudmundsen, R. A. (SM)
Hammerslay, J. G. (M)
Helperin, J. (A)
Herbert, C. (SM)
Hood, H. E. (A)
Kitchens, W. L. (M)
Myer, J. H. (SM)
Steiger, W. (M)
Wilderman, L. F. (M)
Wilderman, L. F. (M)

North Fork (SF-7) Pearson, D. R. (M)

North Highlands (SAC-7) Bothwell, D. C. (M) Ness, R. J. (M)

North Hollywood (LA-SF-7) Anderson, W. E. (M) Bailey, F. W. (M) Barmett, R. I., Jr. (M) Bauman, H. W. (M) Beaudine, D. M. (M) Beller, E. G. (SM) Berns, H. L. (A) Bishon, G. W. (M) Bookee, J. R. (M) Braddock, R. C. (M)
Breitegger, L. G. (M)
Brink, E. W. (M)
Brown, R. M. (A)
Burkart, E. H., Jr. (A)
Gambell, J. E. (M)
Call, U. R. (M)
Cambell, B. K. (A)
Chester, W. H. (SM)
Combar, R. M. (SM)
Combar, R. M. (SM)
Combar, R. M. (SM)
Combar, R. M. (SM)
Combar, J. P. (M)
Conday, J. N. (M)
Craven, T. E. (M)
Curtis, J. P. (M)
Dickerson, D. H. (M)
Dickerson, D. H. (M)
Dickerson, D. H. (M)
Dickerson, D. H. (M)
Filber, W. (M)
Doson, T. M. (A)
Droesch, F. A., (III (A)
Eisohn, I. A. (M)
Filbert, W. B. (M)
Fillbert, W. B. (M)
Fillbert, W. B. (M)
Fillbert, W. B. (M)
Fillory, J. W. (M)
Goldsmith, L. T. (M)
Gorden, C. L. (M)
Goldsmith, L. T. (M)
Goldsmith, L. T. (M)
Goldsmith, L. T. (M)
Haigil, W. B. (M)
Haigil, W. B. (M)
Haigil, W. B. (M)
Haigil, W. B. (M)
Hansen, R. L. (M)
Hedene, T. H. (SM)
Hedere, T. H. (SM)
Hedere, T. H. (SM)
Helper, R. E. (M)
Hudson, C. A. (M)
Hushes, W. A. (SM)
Hurdsman, H. F. (M)
Jackson, J. A. (M)
Jensen, K. K. (SM)
Kidd, L. G. (M)
King, E. J. (M)
Kienast, D. J. (A)
King, E. J. (M)
Krausz, C. (A)
Kubicek, C. B. (M)
Lauritzen, L. (M)
Lauritzen, L. (M)
Lauritzen, L. (M)
Marishall, N. P. (M)
Marshall, N. P. (M)
Marshall, N. F. (M)
Marshall, N. P. (M)
Marshall, N. P. (M)
Moryan, R. L. (M)
Moryan, R. L. (M)
Nely, N. B. (M)
Nervill, J. A. (A)
Martin, R. F. (M)
Moryan, R. L. (M)
Schneider, J. J. (M)
Wilter, J. J. (M)
Wilter, J. J. (M)
Wilt Jr. (M) Witt, R.E.(SM) Wolf, M.B.(M) Wolman, L.L.(M) Wright, J.T.(M)

Northridge (LA-SF-7) Allmandinger, E. F. (SM) Ashley, C. A. (A) Baake, D. W. (M) Baake, D. W. (M)
Bass, L. J. (M)
Berlin, W. N. (M)
Berlin, W. N. (M)
Bindewald, E. R. (M)
Burton, E. B. (A)
Carl, W. J. (M)
Clement, A. J. F. (M)
Coleman, H. B. (M)
Cox. G. C. (A)
Daush, A. A. J. F. (M)
Dewin, A. J. (SM)
Deming, A. F. (M)
De Voll, J. L. (M)
Dewill, R. D. (M)
Easley, G. P. (M)
Edline, D. C. (A)
Forman, J. (SM)
Forman, J. (SM)
Forman, J. (SM)
Forman, J. (SM)
Calline, D. C. (A)
Forman, J. (SM)
Hammond, J. G. (SM)
Icenbice, P. J. (SM)
Jones, A. H. (M)
Khoury, N. (M)
Kine, S. R. (A)
Kriz, K. H. (SM)
Lane, A. B. (M)
Lavenece, D. H. (M)
Perty, C. L. (M)
Perty, C. L. (M)
Peterson, E. J. (M)
Peterson, E. J. (M)
Randoloh, R. C. (M)
Randoloh, R. C. (M)
Randoloh, R. C. (M)
Randoloh, R. C. (M)
Rohere, G. W. (M)
Sofen, I. A. (M)
Sofen, I. A. (M)
Sofen, I. A. (M)
Nororeck, E. R. (SM)
Van Villet, W. H. (A)
Warban, R. L. (M)
Wessel, H. J. (A)
Willely, R. L. (M)
Wilsely, R. L. (M)
Wilsely, R. L. (M)
Wilsely, R. L. (M)
Villely, R.

Norwalk (LA-SA-7)
Cambbell, D. H. (A)
Collier, G. H. (M)
Greaves, H. L. (A)
Greaves, H. L. (A)
Greaver, J. H. (SM)
Martin, T. E. (A)
Mund, M. A. (M)
Roehl, E. R. (M)
Thurman, E. J. (M)
Yingst, H. E. (M)

Novato (SFH07) Allev.W D (A) Yeager, R.J.(M)

Oakland (SF-EB-7)
Arte. R E (A)
Avery H T (A)
Barale. I J (SM)
Black. L J (F)
Caole. D S (M)
Chev. B H (A)
Chin. C S (M)
Cone. D R (SM)
Downey. C. E. (M)
Orake. H. B (M)
Efstathiou. J (A)
Forbes. A. C. (SM)
Gennett. D F. Jr (A)
Gilliland. W D (M)
Glescner. J M (M)
Glescner. J M (M)
Jones. M H (A)
Krn. G (A)
Kannelaud. J (M)
Kenny. J W (M)
Lar Rieu. E A Jr (SM)
Little. C. P. (A)
Lothroo. F H G (M)
Louie. P Y (M)
Macnuson. H R (M)
Macnuson. H R (M)
Malone. W, C. Jr (M)
Mizuno. E (M)
Mizuno. E (A)
Olson. S R (A)
Park. C W (SM)

Penther. C. J. (SM)
Perrin. J. L. (M)
Pionzyi. L. J. (M)
Riolev. J. N., Jr. (M)
Rosenbera, J. M. (SM)
Ross. A. (A)
Schwemin. A. J. (A)
Siefert. D. G. (M)
Slutman. A. C. (M)
Slutman. A. C. (M)
Starr. L. (M)
Striocika. A. J. (SM)
Thinien. G. W. (M)
Uoham. F. T. (A)
Wallurent. W. W. (SM)
Waldo. F. E. (M)
Watt. R. M. Jr. (SM)
Wisson', R. L. (M)
Wong. R. H. (M)
Wong. R. H. (M)

Oceanside (SD-7) Sutherland, J. J. (SMO Ulmer, H, W. (SMO

Dildale (CL-7)
Hall, H.R. (M)
Destreicher, D.L. (M)
Snyder, W.G. (M)

Snyder, W. G. (M)

Dntario (LA-OB-7)

Adams, F. L. (M)

Awrin, J. S. (A)

Baird, W. H. (M)

Bessette, A. (M)

Curons, B. F. (M)

Curons, B. F. (M)

Curons, B. F. (M)

Davis, H. H. (M)

De Diemar, J. L. (SM)

Howland, R. W. (A)

June, R. H. (M)

La Porte, R. J. (M)

Odekirk, M. D. (SM)

Oliovich, T. A. (A)

Oliverson, M. (A)

Polibck, R. D. (M)

Resnik, A. F. (M)

Ritchie, R. W. (A)

Ritter, E. (SM)

Schwenker, R. (M)

Schwenker, R. (M)

Steohens, F. M. (M)

Warner, S. D. (A)

Wesley, G. H. (M)

Drange (LA-SA-7)

Wesley, G. H. (M)

Drange (LA-SA-7)

Billinsley, S. V. (M)

Bunge, W. R. (A)

Dunn, J. (M)

Eatough, C. D. (A)

Flago, D. J. (M)

Geider, R. F. (M)

Lenhakis, A. J. (M)

Link, W. F. (M)

Little, F. A. (SM)

McElveen, K. H. (M)

Pentecost, E. E. (SM)

Riffle, L. V. (A)

Shawda, F. E. (A)

Soradlin, K. M. (M)

Toeppe, W. J., Jr. (M)

Drangevale (SAC-7)
Jones , A , F , (M)
Petersen , M , C , (M)

Orinda (SF-EB-7)
Brobeck, W. M. (SM)
Dexter, W. L. (SM)
Greaq, P. E. (M)
Maeshner, E. (M)
Wedin J. H. (A)

Maeshner, E. (M)
Werlin, J. H. (A)
Oxilard (LA-B-7)
Ackley, R., M. (A)
Allen, P. S. (M)
Alton, B. D., Jr. (M)
Benninner, B. G. (M)
Berman, R. L. (A)
Bosmajian, C. P. (M)
Bradford, W. O. (SM)
Burnett, W. B. (A)
Dewey, D. C. (M)
Dunham, D. J. (M)
Dunham, D. J. (M)
Dunham, D. J. (M)
Dunham, D. J. (M)
Dingredick, J. A. (M)
Elegan, J. T. (M)
Frederick, J. A. (M)
Greavy, R. M. (M)
Greavy, R. M. (M)
Hill, C. V. (M)
Howe, W. F. (M)
Howe, W. F. (M)
Jones, M. S. (M)
Keihner, J. K. (M)
Koon, G. W. (M)
Miller, J. W. (M)
Miller, M. A. (M)
Dison, M. H. (M)

Pike , B , W , (SM)
Pike , J , M , (M)
Sakazaki , Y , (M)
Schneider , P , R , (A)
Shroyer , H , M , (A)
Solferino , T , A , (M)
Sorden , L , V , (M)
Sykes , C , B , (M)
Tendick , C , B , (SM)
Waddell , T , P , (M)
Ward, W , E , (M)
Webber , A , F , (M)
Wright , D , B , (M)
Ziherl , E , J , (M)

Oxnard Beach (LA-B-7) Ritz, W. A. (M)

Pacific Grove (SF-7)
Bayless, H. (A)
Burn, J. W., Jr. (A)
Cowan, B. (A)
Mace, J. C. (SM)

Pacific Pallsades (LA-7)
Abzug, M. J. (M)
Alberts, W. A. (SM)
Albrecht, A. (SM)
Amdt, W. F. (SM)
Barker, C. B., JI. (SM)
Beagles, R. (SM) beagles, R. (SM)
Bedrosian, E. (SM)
Berman, H. (SM)
Block, D. E. (M)
Block, D. E. (M)
Block, D. E. (M)
Block, D. E. (M)
Bookmer, H. W. (SM)
Brain, M. D. (M)
Brainer, M. D. (M)
Brainer, M. D. (M)
Brainer, M. D. (M)
Brewer, A. F. (SM)
Briden, J. K. (M)
Carroll, C. F., Jr. (SM)
Cochran, K. W. (A)
Cochen, A. (M)
Cochen, A. (M)
Cochen, A. (M)
Cochen, A. (M)
Dodoe, W. A. Jr. (SM)
Dumas. R. E. (A)
Edmudson, H. P. (SM)
Edmudson, H. P. (SM)
Friedman, T. B. (SM)
Graber, R. S. (M)
Halenbeck, A. D. (M)
Halenbeck, A. D. (M)
Halenbeck, A. D. (M)
Hartmann, W. A. Jr. (M)
Halenbeck, A. D. (M)
Hartmann, E. E. (SM)
Hertzbern, A. (M)
Herman, E. E. (SM)
Hertzbern, A. (M)
Herman, E. E. (SM)
Hertzbern, A. (M)
Herman, E. E. (SM)
Hertzbern, A. (M)
Hollander, F. H. (M)
Hollander, F. H. (M)
Hollander, F. H. (M)
Hollander, J. M. (M)
Hollander, J. M. (M)
Holl, J. J. Jr. (M)
Hollander, J. M. (M)
Hollander, J. M. (M)
Hollander, J. M. (M)
Hollander, J. M. (M)
Hollander, J. E. (Jan)
Hittled, J. E. (Jan)
Hittled Justice, L. E. (M)
Kahn, B. S. (M)
Kanke, J. R. (SM)
Loretz, N. F. (A)
Macklin, T. G. (M)
Mallett, J. D. (M)
Mazurer, G. S. (M)
Mazurkiewicz, H. G. (M)
McCloud, W. W. (M)
Midlett, J. D. (M)
Midlett, M. G. S. (M)
Midlett, M. G. S. (M)
Miller, B. F. (F)
Miller, B. F. (F)
Miller, B. F. (F)
Miller, B. F. (F)
Miller, B. F. (SM)
Muchmore, R. B. (SM)
Muchmore, R. B. (SM)
Paddock, O. K. (SM)
Parker, S. E. (M)
Pelta, E. R. (A)
Pernick, L. J. (M)
Perty, C. S. (SM)
Robbins, P. M. (SM)
Rodriauez, R. A. (M)
Rodriauez, R. A. (M)
Rodriauez, R. A. (M)
Sarkissian, H. H. (M)
Sienel, W. (M)
Smith, D. K. (M)
Smith, D. K. (M)
Smith, D. K. (M)
Smith, D. K. (M)
Smonds, R. J. (SM)
Tyson O. A. (A)
Tyson O. A. (A)
Tyson O. A. (A)
Vallen, L. A. (M)
Walkuo, L. A. (M)

Pacoima (LA-SF-7) Bassett . D . M . (M) Brians, J. G. (M)
Brownstein, G. (SM)
Castle, K. J. (M)
Choleva, H. L. (M)
Clintsman, R. B. (M)
Deitz, J. L. (M)
Deitz, J. L. (M)
Devo, A. E. (A)
Dixon, T. P. (M)
Dunn, G. R. (M)
Emus, H. (A)
Franco, M. (M)
Franco, M. (M)
Franco, M. (M)
Kendle, J. P. (M)
Kendle, J. P. (M)
Mokee, R. W. (M)
Mokee, R. W. (M)
Motton, P. G. (M)
Nelson, D. F. (M)
Nelson, D. F. (M)
Nelson, D. F. (M)
Schmidt, D. V. (M)
Schmidt, D. V. (M)
Swarthout, W. M. (SM)
Swarthout, W. M. (SM)
Swarthout, W. M. (SM)
Turbbull, J. S. Jr. (M)
Weiss, L. F. (A)
Zechiel, W. J. (M)

Paim City (SD-7) Trenhoim, K. S. (A)

Palmdale (LA-7)
Bennett A. (A)
Chernof J. Jr. (M)
Crossman T. F. (M)
Hingson G. D. (A)
Johnson V. C. (A)
Kollar, T. J. (A)
McLarin, M. (M)
Neslev, J. C. (M)
Nelson, F. R. (A)
Tripodi, R. F. (A)
Turner, J. G. (A)

Palo Alto (SF-7)
Abbott. W. R. (SM)
Abraham. W. G. (SM)
Acker. A. E. (A)
Acker. A. E. (A)
Alam. S. F. (M)
Ahleren. W. E. (M)
Ahleren. W. E. (M)
Andersen. R. A. (M)
Andersen. R. A. (M)
Andersen. R. A. (M)
Anderson. V. R. (A)
Anderson. V. R. (A)
Anderson. W. R. (M)
Anderson. W. R. (M)
Arnold D. T. (M)
Arnold C. A. (M)
Arnold J. R. (M)
Arnold J. R. (M)
Arnold J. R. (M)
Austin N. A. (M)
Bacon. L. C. (M)
Barry. F. N. (VA)
Barlholomew. C. S. (M)
Bauder. G. E. (A)
Bauler, B. (SM)
Bev. T. H. (M)
Beaver. W. L. (M)
Beaver. W. L. (M)
Beaver. W. L. (M)
Beaver. R. T. (SM)
Beneteau. P. J. (A)
Bell. R. L. (M)
Beneteau. P. J. (A)
Bennan. R. S. (M)
Bennan. R. S. (M)
Bernier. L. E. (M)
Besan. E. T. (M)
Besan. E. T. (M)
Bodley. J. L. (M)
Bolliahn. J. T. (M)
Bolliahn. J. T. (F)
Bothun, R. B. (M)
Bordersen. L. (M)
Britton. R. H. (SM)
Britton. R. H. (SM)
Brown. A. S. (F)
Brown. B. H. (M)
Brown. A. S. (F)
Brown. B. H. (M)
Bronn. M. A. (SM)
Brown. A. S. (F)
Brown. B. H. (M)
Bronn. J. (A)
Brittain. G. H. (SM)
Brown. A. S. (F)
Brown. B. H. (M)
Bronn. J. (A)
Bronn. C. S. (A)
Brown. B. H. (M)
Bronn. J. (A)
Bronn. C. S. (A)
Brown. B. H. (M)
Carrison. A. R. (M)
Char. W. W. (A)
Char. W. W. (A)
Char. M. W. (A)
Char. M. W. (A)
Char. M. M. (M)
Char. M. W. (A)
Char. M. M. (M)

Chiann. F. C. (M)
Chown, J. B. (M)
Chown, J. B. (M)
Christensen, P. C. (A)
Chudacoff, N. E. (M)
Ciliford, D. G. (SM)
Ciliford, D. G. (SM)
Coleman, B. H. (M)
Coleman, B. H. (M)
Coleman, B. H. (M)
Cone, D. I. (SM)
Conk, R. S. (M)
Conk, R. S. (M)
Conk, R. S. (M)
Conk, R. M. (M)
Constable, R. A. (M)
Constable, R. A. (M)
Cotolter, H. N. (M)
Cotolter, H. N. (M)
Cotolter, H. N. (M)
Crain, N. R. (M)
Daniels, E. (M)
Daniels, E. (M)
Daniels, E. (M)
Daniels, E. (M)
Daniels, T. M. (M)
Debososion, C. (M)
Debososion, C. (M)
Debososion, J. (M)
Debososion, J. (M)
Dixon, S. T. (A)
Dodds, W. (SM)
Dodds, W. (SM)
Doder, R. D. (M)
Downlin, J. J. (M)
Duer, S. J. (M)
Dixon, S. T. (A)
Dodds, W. (SM)
Onten, E. F. (M)
Downlin, J. J. (M)
Desosion, C. J. (M)
Eddon, V. A. (F)
Eisenbern, M. (A)
Eldon, C. A. (M)
Eldon, C. A. (M)
Eldon, C. A. (M)
Eldon, C. A. (M)
Fishman, N. R. (M)
Fishman, N. R. (M)
Fishman, N. R. (M)
Fishman, N. R. (M)
Fisher, G. (SM)
Feinstein, L. (M)
Ferouson, J. S. (M)
Filmer, J. C. (M)
Fishman, H. M. (M)

CALIFORNIA - 462 -

Holden, G. R. (M)
Holland, E. R. (M)
Holser, A. F. (SM)
Hover, L. R. (A)
Hover, L. R. (A)
Hon, H. S. (SM)
Huffman, G. A. (M)
Huches, J. M. (M)
Hurt, J. M. (SM)
Jarvis, W. E. (A)
Jarvis, W. E. (A)
Jarvis, W. E. (A)
Jarvis, W. E. (M)
Johnson, J. (SM)
Johnson, R. R. (SM)
Johnson, R. R. (SM)
Johnson, R. B. (SM)
Johnson, R. C. (M)
Kaisel, S. F. (SM)
Kasel, S. F. (SM)
Karel, J. J. (M)
Krikwood, R. L. (M)
Krikwood, R. J. (SM)
Krause, R. A. (SM)
Krause, R. A. (SM)
Krause, R. A. (SM)
Krause, R. A. (SM)
Krause, R. J. (M)
Kuoilik, F. M. (M)
Kuoilik, F. M. (M)
Lanevin, R. Z. (M)
Lanevin, R. Z. (M)
Lanevin, R. Z. (M)
Lawence, G. H. (M)
Leone, R. B. (M)
Leone, R. B. (M)
Loulity, D. C. (M)
Leone, R. B. (M)
Loulity, D. C. (M)
Marshall, D. (M)
Marshall, D. (M)
Marshall, D. (M)
Marshall, D. (M)
Moris, A. J. (SM)
Moris, D. J. Jr. (M)
Moris, R. J. (

Otsuka S. P. (M)
Ottem, I. E. (M)
Packard, D. (F)
Paivinen, J. O. (M)
Palmer, D. L. (M)
Petron, P. A. (M)
Pitsenbarner, G. A. (M)
Pitsenbarner, G. A. (M)
Pitsenbarner, G. A. (M)
Pitsenbarner, G. A. (M)
Promer, R. C. (M)
Powers, G. L. (M)
Powers, G. L. (M)
Promer, A. (A)
Promer, A. (M)
Rabe, A. W. (A)
Ramsav, J. D. (M)
Rabe, A. W. (A)
Ramsav, J. D. (M)
Rathen, K. R. (M)
Rater, M. (M)
Roberts, J. M. (SM)
Roberts, J. M. (A)
Roberts, J. M. (M)
Roberts, M. M. (M)
Roberts, M.

Torfeh. M. A. (A)
Towle. R. W. (M)
Towle. R. W. (M)
Trout. R. C. (M)
Trucker. C. Jr. (A)
Tucker. K. C. (M)
Turker. K. C. (M)
Turmer. G. K. (M)
Turmer. T. F. (M)
Ullman. P. J. (M)
Una. F. (M)
Vanderbeek. H. B. (M)
Van De Riet. E. K. (M)
Van De Riet. E. K. (M)
Vartanian. P. H. Jr. (SM)
Vea. T. H. (M)
Ves. T. H. (M)
Ves. T. H. (M)
Ves. T. H. (M)
Wadar. G. (M)
Warhaftia. W. H. (M)
Wadar. G. (M)
Wahrhaftia. W. H. (M)
Walson. W. E. (M)
Watson. R. H. (SM)
Watson. W. E. Jr. (M)
Watson. W. H. (M)
Witson. R. H. (SM)
Watson. W. H. (M)
Witson. R. H. (M)
Wither. R. A. (M)
Wither. R. A. (M)
Wither. R. A. (M)
Wither. M. Jr. (M)
Wilkens. M. W. (M)
Wise. W. L. (M)
Word. A. S. (M)
Wood. J. T. (M)
Wood. J. F. (A)
Weod. J. F. (A)
Weod. J. F. (A)
Yadavalli. S. V. (M)
Yadavalli. S. V. (M)
Zitelli, L. T. (M)
Zitelli, L. T. (M)

Palos Verdes Estates (LA-7)

Panorama City (LA-SF-7) orama Citv (LA-SF-7)
Barnhart, W H (A)
Berri, R. E. (A)
Berri, R. E. (A)
Frits, R. E. (A)
Fritts, R. E. (A)
Hawkins, W. R. (A)
Kleinschmitt, C. J. (A
Rosenthal, W. F. (M)
Tyler, R. T. (M)

Paramount (LA-SA-7) Cahn, L. (SM) Child. C. H. (SM) Green, C. S. (A) Greer, J. G. (M) Lev. E. W. (A) Noble, J. G. (M) Prvga, S. A. (M) Warn, K. L. (M)

Pasadena (LA-P-7)
Abbott. R. B. (A)
Adler. J. A. (A)
Adler. J. A. (A)
Allen. D. A. (M)
Andres. W. S. (M)
Andres. W. S. (M)
Anes. W. S. (M)
Anel. W. C. (M)
Annes. W. F. (M)
Annes. W. F. (M)
Annes. W. F. (M)
Annes. W. F. (M)
Bares. R. C. B. (A)
Baron. R. N. (M)
Barasch. M. V. (SM)
Barton. L. R. (M)
Bemis. R. C. B. (A)
Benioff. H. (VA)
Betzer. W. E. (M)
Beuer. J. C. (M)
Beuer. J. C. (M)
Bradburn. J. R. (SM)
Bradburn. J. R. (SM)
Bradburn. J. R. (SM)
Bradburn. J. R. (SM)
Bradwell. W. J. (M)
Brokenan. M. H. (SM)
Brokenidee. W. G., Jr. (A)
Brockman. M. H. (SM)
Brown. D. E. (M)
Cadv. W. G. (F)
Caldwell. P. G. (SM)
Cartwright. V. F. (M)
Charentier. D. E. (M)
Charentier. D. E. (M)
Chare. R. L. (M)
Chare. R. L. (M)
Chare. R. L. (M)
Clarkson. W. K. (M)
Clement. W. G. (A)
Cogan. S. (M)
Cowan. M. A. (M)
Coweley. J. P. (M)
Cowan. M. A. (M)
Cowley. J. P. (M)
Davis. D. C. (M)
Davis. D. C. (M)
Dennison. P. R. (M)
Diercks. A. D. (M)
Diercks. A. D. (M)
Diercks. A. D. (M)
Diercks. A. D. (M)
Bettin, M. A. (M)
Eckstein. E. A. (A)
Ellis. A. T. (M)
Edetin, M. A. (M)
Eckstein. E. A. (A)
Ellis. A. T. (M)
Garber, L. F. (M)
Garber, L. F. (M)
Garber, L. F. (M)
Garber, L. Jr. (A)
Gilbertson. B. I. (M)
Gratton, R. E. (M)
Hariman. T. J. (M)
Harmman. T. J. (M)
Harman. T. J. (M)
Harwan. T. J. (M)
Harwan. T. J. (M)
Holis. W. C. (SM)
Holis. W. C. (SM)
Holis. W. C. (SM)
Hollis. Morison, R. (M)

Moseley, F. L. (F)
Mott, J. S. (M)
Motta, N. (A)
Mullin, F. J. (M)
Mundt, E. (M)
Mundt, E. (M)
Musty, C. V. (M)
Neff, G. A. (M)
Newhouse, G. B. (M)
Nothman, M. H. (M)
O'Dell, G. M. (SM)
Owen, R. P. (SM)
Pera, J. E. (A)
Pickerine, W. H. (F)
Piereson, R. G. (M)
Porter, J. C., Jr. (M)
Post, G. E. (M)
Powell, R. V. (M)
Radhakrishnan, V. (M)
Radharishnan, V. (M)
Radharishnan, V. (M)
Radharishnan, V. (M)
Ridle, F. M. (M)
Ridle, F. M. (M)
Sinder, H. L., Jr. (SM)
Radifer, P. A. (J)
Sinalare, M. E. (M)
Seigle, R. K. (M)
Seigle, R. K. (M)
Shader, R. A. (A)
Sherer, P. N. (M)
Shimabukuro, F. I. (M)
Shimabukuro, F. I. (M)
Silvenoth, E. W. (M)
Silvenoth, R. C. (M)
Storensen, T. C. (M)
Toukdarian, R. E. (M)
Vatohan, V. Z. (A)
Worlott, R. E. (M)
Watts, E. W. (M)
Warder, F. R. (SM)
Waller, R. L. (M)
Warder, P. R. (SM)
Weise, S. K. (A)
Wertz, C. C. (M)
Wilson, Q. P. (SM)
Wilson, Q. P. (SM)
Wilson, Q. P. (SM)
Wilson, A. R. (A)
Worden, A. M. (SM)
Zenan, J. A. (A) Paso Robles . (LA-SB-7) Ramey , J . C . (A)

Pebble Beach (SF-7) Menneken. C. E (M) Pfenning, R. A. (M)

Pedro Vallev (SF-7) Meunzer, R. H. (M)

Penryn (SAC-7) Yoshizuka, R. K. (A)

Petaluma (SF-7)
Boutz, F E (M)
Ravenscroft, H.A.(M)

Pico (LA-SA-7) Fuller, C. A. (A) Rious, P. F. (M) Swanson, R. L. (M)

Piedmont (SF-EB-7)
Cole. C. H. (VA)
Criular. J. J. (M)
Evans. C. P. (M)
Flienner. A. F. (A)
Forster. A. G. (M)
Laskv. P. G. (M)
Mac Mallon. A. E. (SM)
Palmer, D. H. (A)

Pinole (SF-EB-7) Airhart, R. V. (M)

Placentia (LA-SA-7) Kjerulff, E., R. (M)

Playa Del Rev (LA-7) Bainbridge B O (M) Barhydt H (A) Beckman J A (SM) Beveridge J M (M)

CALIFORNIA - 463 -

Block, E. B. (A)
Cadman, A. D. (M)
De Wolf, J. L. (M)
Eckelmann, R. R. (M)
Erickson, R. L. (M)
Erickson, R. L. (M)
Fenton, A. N. (SM)
Fisher, M. K. (M)
Foster, T. J. (SM)
France, R. W. (A)
Gaul, E. R. (SM)
Hammel, J. P. (M)
Hasin, S. L. (A)
Haves, E. A. (SM)
Horrell, M. W. (SM)
Johnson, R. P. (SM)
Mouthan, F. P. (SM)
McJunkin, F. C. (M)
McJunkin, F. C. (M)
Miller, E. F. (M)
Nesheim, D. A. (M)
Nuban, E. (M)
Noral, D. E. (A)
Ruch, D. E. (M)
Scholtz, R. A. (M)
Scholtz, R. A. (M)
Scholtz, R. A. (M)
Sirvis, G. S. (M) Sirvis, G. S. (M)
Stephenson, A. L. (M)
Strom, R. L. (SM)
Wagner, R. E. (M)
Weed, H. L. (M)
Witten, E. L. (M)
Wooldridge, E. J. (M)
Wyllie, W., W. (M)

Pleasant HIII (SF-EB-7) sant HIII (SF-EB-7)
Davis, R. W. (M)
Nielsen, G. A. (M)
Roush. G. E. (SM)
Single, C. H. (M)
Skiff, E. W. (SM)
Voelker, F., III (SM)

Pleasanton (SF-EB-7) asanton (SF-EB-7)
Casterson, R. H. (M)
Curry, C. R. (M)
Helgeson, G. L. (M)
Ingledue, E. F. (M)
Wharton, C, B. (SM) (M)

Wharton, C, B, (SM)

Point Mudu (LA-B-7)
Barncastle, L, (M)
Corvi, J, A, (M)
Flemina, F, L, Jr. (M)
Githens, D, P., Jr. (M)
Heron, D, J, (M)
Holmes, R, E, (M)
Isenson, R, S, (M)
Lacev, M, R, (M)
Murohv, C, H, S, (SM)
Reins, E, R, Jr. (M)
Richardson, B, (M)
Schreier, W, J, (M)
Toohill, D, L, (M)

Point Reyes (SF-7) Reid, I. H. (VA)

Pomona (LA-OB-7)
Allen. J. W. (SM)
Armbruster, K. L. (M)
Ashlev. G. W. Jr. (M)
Bailev. N. A. (M)
Bailev. N. A. (M)
Bailev. L. L. (M)
Balslev. L. L. (M)
Balslev. L. L. (M)
Bell. B. G. (M)
Birch. R. S. (A)
Black. L. M. (A)
Black. L. M. (A)
Blackwall. M. B. (M)
Bomar. R. L. (M)
Bredon. A. D. (M)
Caliot. S. (A)
Clifford. R. F. (M)
Collins. W. G. (M)
Covincton. L. R. (M)
Covincton. L. R. (M)
Domen. S. L. (M)
Domen. S. L. (M)
Domen. S. L. (M)
Domen. S. L. (M)
Edsinser. L. E. (M)
Edeling. F. W. (M)
Edsinser. L. E. (M)
Edeling. F. W. (M)
Edsinser. L. E. (M)
Garvin. J. A. (M)
Garvin. J. A. (M)
Garvin. J. A. (M)
Goff. I. O. (SM)
Gottier. R. L. (M)
Goff. I. O. (SM)
Hanson. M. E. (M)
Hanson. M. E. (M)
Harke. D. H. (M)
Hindi. M. (M)
Hindi. M. (M)
Hindi. M. (M) Hindi, M. (M)
Hino, R. H. (A)
Höme, C. F., Jr. (F)
Ivev, R. W. (M)
Jackson, J. C. (A)

Karish. J. A. (M)
Kazelis. A. J. (M)
Kazelis. A. J. (M)
Kirk. C. N. (M)
Kirk. C. N. (M)
Kirk. C. N. (M)
Kirk. C. N. (M)
Lambert. J. (M)
Lee. H. J. (M)
Lower. R. G. (M)
Lubeck. R. V. (M)
Lubeck. R. V. (M)
Lubeck. R. V. (M)
Lubeck. R. V. (M)
Madsen. C. A. (A)
Madsen. C. A. (A)
Madsen. C. A. (A)
Madsen. C. A. (M)
Madsen. C. A. (M)
Madsen. R. A. (M)
Madsen. R. R. (M)
Maudal. I. (M)
Mays. C. H. (A)
Mebaniel. C. E. (A)
McLachlan. G. W. Sr. (M)
Morell. C. S. (M)
Morell. C. S. (M)
Oribrien. J. C. (SM)
Orivia. R. Y. (M)
Patterson. T. C. (SM)
Pemberton. T. (M)
Pitzutl. A. D. (A)
Patterson. T. C. (SM)
Pemberton. T. (M)
Ranish. H. (M)
Ravbin. M. W. (SM)
Rea. D. E. (A)
Reves. J. T. (M)
Ranish. H. (M)
Sandler. B. (M)
Schanfro. R. (M)
Shimada. G. (M)
Smith. R. D. (M)
Schanfro. R. (M)
Sticht. R. J. (SM)
Stone. R. E. (M)
Sticht. R. J. (SM)
Stone. R. E. (M)
Tawlor. C. A. Jr. (M)
Tawlor. C. A. Jr. (M)
Thomson. R. J. (M)
Thomason. R. J. (M)
Thomson. R. J. (M)
Villere. A. C. (SM)
Walters. R. L. (M)
Ward. W. S. (M)
Wellsand. R. Jr. (A)
Wessels. P. S. (SM)
Worden. D. W. (SM)
Zeller. H. R. (M)

Porterville (SF-7) Margot, A. T. (M) Poundstone, J. R. (M)

Port Hueneme (LA-B-7) Guyton, C. W. (M) Hazel, W. C. (M) McCasland, R. S. (M) Rich, A. P. (M) Senesac, D. E. (A)

Portola Valley (SF-7)
Battello, R. B. (A)
Burke, R. J. (SM)
Coale, F. S. (A)
Davies, L. E. (SM)
Davies, L. E. (SM)
Hancock, N. (M)
Larkin, K. T. (SM)
Reyling, G. F. (M)
Rock, A. J. (M)
Swanson, J. P. (M)
Ter Vecn, L. A., G. (SM)
West, R. A. (M)

Poway (SD-7)
Brint, N. F. (M)
Dershem, E. R. (M)
Grindle, C. E. (SM)
McFadden, E. R. (M)
McLauchlan, J. M. (A)

Puente (LA-OB-7)
Allison, R. E. (SM)
Berkley, W. H. (A)
Gilliam, T. J. (M)
McMahon, J. E. (M)
Poirier, G. R. (M)
Pulsipher, L. C. (M)
Yamashiro, J. M. (A)

Quartz Hill (LA-7) Sutherland, L. C. (A)

Ouincy (SAC-7) Moss, R. A. (A)

Ramona (SD-7) Broome, P. W., Jr. (M)

Rancho Cordova (SAC-7) Bose, K. W. (M) Ganowsky, W. B. (M) Harding, J. R. (M) North, N. B. (M)

Rancho Santa Fe (SD-7) Gardner, B. R. (SM) Haffinner, D. J. (M) Horbert, W. J. (M) Red Bluff (SAC-7) Boer, P. E. (A)

Redding (SAC-7)
Banks.D.B. (A)
Bechtle, C.G. (M)
Hoeflich, A.F. (SM)
Machin, E.K. (A)
Maxey, G.S. (M)
Disen, L.F. (A)

Rediands (LA-OB-7) Crowley, J. J. (SM) Herman, J. B. (A)

Redondo Beach (LA-7)
Ake, T. E. (M)
Albright, A. R. G. (M)
Andreight, A. R. G. (M)
Andahl, L. D. (A)
Anole, J. S. (M)
Anoleton, D. T. (M)
Baker, J. N. (A)
Barrar, R. B. (M)
Bettinelli K. F. (M)
Brown, K. H. (M)
Brown, K. H. (M)
Colnee, A. V. (M)
Colnee, A. V. (M)
Covington, A. W. (M)
Dahl, E. E. (M)
Uavis, C. H. (M)
Diehl, R. T. (A)
Egan, J. J. (M)
Eckess, W. S., Jr. (M)
Fiet, D. (SM)
Fiet, D. (SM)
Fordana, J. A. (M)
Gaston, R. N. (A)
Gibbs, F. R. (M)
Gordon, M. F. (M)
Hidreth, D. E. (M)
Hidreth, D. E. (M)
Howard, S. L. (M)
Jones, C. R. (A)
Kirin, G. J. (A)
Kirin, E. V. (M)
Kolostyak, J. (M)
Lewison, G. L. (M)
Lewison, G. L. (M)
Lewison, G. L. (M)
McClellan, L. D. (M)
McCrellan, L. D. (M)
Messenger, G. C. (SM)
Morrison, H. E. (A)
Presider, R. E. (A)
Presider, R. A. (M)
Presider, R. A. (M)
Presider, R. A. (M)
Presider, R. A. (M)
Steinhoff, H. W. (A)
Steinhoff, H. W. (M)
Walsh, J. J. (A)
Weir, K. O. (An)
Weir, K. O. (An) Weir, K.O. (M)
Williams, F.R. (A)
Winner, R.N. (M)
Wolverton, R.W. (M)

Redwood City (SF-7)

Allfr, W, H, Jr, (M)

Allen, D, P, (M)

Amara, R, C. (A)

Anissimov, B, A, (M)

Ashman, R, R, (M)

Barklev, J, W, Jr, (A)

Benz, C, (A)

Bleas dale, E, J, (M)

Bloom, G, (A)

Bloom, G, (A)

Bloomidten, S, (A)

Boboricken, S, (A)

Bond, C, H, (SM)

Bradford, C, W, (M)

Cerruti, B, A, (M)

Cerruti, B, A, (M)

Chenev, C, (A)

Christie, J, W, (M)

Covell, D, F, (M)

Edson, D, J, (M)

Elliott, P, C, Jr, (M)

Freise, W, H, (A)

Gerline, J, E, (M)

Guick, E, C, (SM)

Grandon, W, M, (M)

Freise, W, H, (A)

Gerline, J, E, (M)

Hamilton, D, J, (M)

Hamilton, D, J, (M)

Harris, A, (M)

Hamirs, A, (M)

Harris, A, (M)

Hollabauch, J, F, (M)

Hollabauch, J, F, (M)

Holdbauch, J, F, (M)

Kanvtsky, W. (M)
Kazanjian, H. A. (A)
Kreiss, W. T. (M)
Lave, P. D. (SM)
Laudenschlawer, W. (M)
Leslie, F. E. (SM)
Lone, C. R. (M)
Lone, C. R. (M)
Mornovod, R. C. (M)
Mathias, M. L. (A)
McAloine, W. N. (M)
Morwood, R. C. (M)
Murohy, H. E. (M)
Nev, G. (SM)
Nve, W. H. (M)
Drr, J. E. (M)
Patterson, G. K. (SM)
Phillios, R. M. (A)
Plothnikoff, G. P. (M)
Rede, D. E. (M)
Riddell, A. I. (A)
Romander, H. (SM)
Roberts, W. L. (M)
Rolly, W. J. (A)
Romander, H. (SM)
Rudee, E. (M)
Sansum, V. H. (A)
Somit, R. G. (M)
Stallman, H. E. (M)
Trodavchik, P. (SM)
Thomson, R. E. (M)
Tipning, C. C. Jr. (M)
Tipning, C. C. Jr. (M)
Tipning, C. C. Jr. (M)
Walter, C. A. Jr. (M)
Walter, C. A. Jr. (M)
Walter, D. B. (M)
Water, D. B. (M)
Water, D. B. (M)
Wood, J. R. (M)

Reseda, (LA-SF-7)
Abernathy D. R. (A)
Barcock, R. L. (A)
Berner, J. B. (M)
Blanton, M. J. S. (M)
Briel, L. A. (A)
Busenkell, C. C. (SM)
Chamberlain, W. S. (M)
Countis, T. J. (SM)
Elberner, M. (A)
Frank, C. E. (M)
Freedman, L. M. (A)
Garland, M. D. Jr. (M)
Goulet, T. A. (M)
Green, R. D. (M)
Hancock, T. W. (SM)
Harlan, R. E. (M)
Held, H. (SM)
Henrion, W. S. (A)
Hudhes, R. A. (M)
Kahlan, A. J. (M)
Kitchen, R. L. (M)
Lavine, R. (M)
Leman, N. (M)
Mackov, P. C. (M)
Mock, R. E. (M)
Mock, R. E. (M)
Mock, R. E. (M)
Pediro, W. R. (M)
Pediro, W. R. (M)
Pediro, W. R. (M)
Politi, S. (M)
Politi, S. (M)
Schy, S. (A)
Seferian, R. K. (M)
Schy, S. (A)
Seferian, R. K. (M)
Schy, S. (A)
Thomas, R. (M)
Vills, J. D. (M)
Vills, J. D. (M)
Vills, J. D. (M)
Vills, J. D. (M)
Wills, J. R. (M)
Wills, J. D. (M)
Wills, J. R. (M)

Rialto (LA-0B-7)

Cool, P.E.(M) Richmond (SF-EB-7)
Chisholm, H, C. (M)
Hamilton, E, P, (A)
Hom, N, P, (A)
Jensen, R, H, (A)
Krivohilavek, G, M, (M)
Larsh, A, E, Jr, (M)
Lovell, E, L. (A)
Metz, G, F, (M)
Nelson, O, A, (A)
Pritchett, W, (SM)
Schrader, G, F, (M)
Smith, H, L, (M)
Thomason, T, H, (A)

Ridgecrest (CL-7) Burkey, C. E. Jr. (M)

Crawforth, J. E. (M)
Dolce, S. L. (M)
Fowler, T. C. (M)
Jenkins, C. E. (M)
Kasper, D. P. (A)
Larsen, C. L. (A)
Schneider, N. J. (M)
Schnur, S. T. (A)
Sessions, S. H. (M)
Tkachik, J. J. (M)
Zobrist, G. W. (M) Crawforth . J . E . (M)

Rio Vista (SF-7) Bird, J. R. (SM)

Rivera (LA-SA-7) Crosby, J. (M) Jones, K. E. (A) Samp, T. A. (M) Witt , A . N . (M)

Riverside (LA-DB-7)
Atchison, F. S. (SM)
Barton, R. W. (SM)
Bauer R. L. (A)
Berns, K. L. (A)
Berns, M. H. (M)
Blothan, E. (SM)
Bradlev, J. (M)
Brown, M. H. (M)
Brown, M. H. (M)
Brown, M. H. (M)
Buchanan, W. D. (SM)
Brown, M. H. (M)
Brorne, J. F. (F)
Casev, S. D. (A)
Christensen, L. E. (M)
De Marco, R. J. (A)
Dick, J. D. (M)
Feeney, J. E. (M)
Feeney, J. E. (M)
Friedmann, E. (M)
Grove, R. C. (M)
Grove, R. C. (M)
Heiberling, E. D. (SM)
Jackson, T. B. (SM)
Jackson, T. B. (SM)
Jackson, T. B. (SM)
Jackson, T. B. (SM)
Johns, R. R. (SM)
Johns, R. R. (SM)
Johns, R. I. (M)
Kelsey, E. L. (M)
Kelsey, E. L. (A)
Kinzer, G. E. (M)
Kinzer, G. E. (M)
Kopulsky, S. (M)
Kelsey, L. L. (A)
Kinzer, G. E. (M)
Morehouse, G. D. (SM)
Macadam, J. F. (M)
Macadam, J. F. (M)
Morehouse, G. D. (SM)
Parvin, J. A. (M)
Parvin, J. A. (M)
Parvin, J. A. (SM)
Parvin, J. A. (SM)
Powers, A. B. (SM)
Pratt, S. L. (M)
Rowe, D. E. (SM)
Taylor, T. T. (M)
Van Vorhis, J. L. (M)
Varano, F. (M)
Willer, R. K. (M)

Rocklin (SAC-7) Brown, V. J. (A)

Rocklin (SAC-7)
Brown, V. J. (A)

Rolline Hills (LA-7)
Anderson, M. J. (M)
Andel, A. M. (M)
Andel, A. M. (M)
Ball, K. E. (SM)
Bar, M. (M)
Beraman, S. G. (M)
Boland, C. D. Jr. (M)
Bond, F. E. (SM)
Burcham, N. P. (A)
Conklin, D. E. (A)
Cummins, J. W. (SM)
Daniel, R. E. (M)
Dea, D. Y. F. (SM)
Edwards, R. F. (M)
Ellinshor, J. K. (M)
Ellinshor, J. K. (M)
Ellinshor, J. K. (M)
Gilkison, C. A. (M)
Gilkison, C. A. (M)
Gilkison, C. A. (M)
Gilkison, C. A. (M)
Hall, C. A. (A)
Harris, K. L. (M)
Hoan, J. D. (M)
Holand, J. E. (M)
Kaufman, F. H. (M)
Kaufman, F. H. (M)
Kaufman, J. (M)
Koehler, F. H. (M)
Koehler, F. H. (M)
Koehler, F. H. (M)
Koehler, F. H. (M)

Lilienstein, M. (SM)
Little, T. D. (A)
Lucas, E. D. Jr, (A)
Matson, D. L. Jr. (M)
McAllister, D. R. (SM)
McMahon, G. V. (M)
McMarer, B. D. (M)
McMerson, R. G. (M)
McPherson, R. G. (M)
Mellott, R. N. (M)
Mever, J. C. (M)
Modlewer, S. (M)
Nilsson, B. G. (M)
Olson, E. R. (M)
Peckham, D. D. (M)
Palos, D. D. (SM)
Sacks, J. M. (M)
Sacks, J. M. (M)
Schoor, J. E. (A)
Shibuva, Y. (M)
Stone, M. (A)
Stone, M. (A)
Stone, M. (A)
Stone, M. (A)
Walder, V. D. (M)
Walduist, R. L. (M)
Wannlund, A. L. Jr. (M)
Warnlund, A. L. Jr. (M)
Ware, M. (A)
Zaremba, J. G. (M)
Ling Hills Estates (LA-7)

Rolling Hills Estates (LA-7) McClintock, D. G. (M) Trapp, J. A. (SM)

Rosamond (CL-7) Kibler, L. S. (M) Orrick, T. W. (M)

Rosemead (LA-P-7) Ferl , R . H . (A)

Roseville (SAC-7) Hunzeker, W. R. (M)

Running Springs (LA-OB-7) Sutton, O. D. Jr. (M)

Sacramento (SAC-7) Stamento (SAC. J.)

Bairos, C. A. (M)

Baker, D. F. (M)

Baldwin, W. A. (A)

Ballard, R. B. (M)

Bennett, R. C. (M)

Bounder, P. E. (M)

Bounder, P. E. (M)

Bounder, P. E. (M)

Bounder, P. E. (M)

Bounder, R. L. (M)

Broderson, L. V. (A)

Burdess, R. A. (M)

Cook, G. V. (A)

Cook, G. V. (A)

Cook, R. H. II (M)

Corrigan, B. G. (M)

Corker, K. S. (M)

Dickinson, I. E. (M)

Downina, M. K. (A)

Enzler, A. J. (M)

Field, S. E. Jr. (A)

Field, S. E. Jr. (A)

Field, S. E. Jr. (A)

Field, S. E. Jr. (M)

Godrier, N. W. W. (M)

Gum, D. E. (A)

Godrev, X. W. (M)

Guest, W. T. (SM)

Hartman, W. H. (M)

Harniae, C. W. III (M)

Kansiek, W. J. (M)

Kowalczyk, J. R. (M)

Lane, C. A. (M)

Lane, C. T. (M)

Dound, A. M. (M)

Naschike, S. E. (M)

Onician, P. R. (SM)

Poliqar, E. A. (A)

Poucher, R. A. Jr. (M)

Roberts, E. A. (J)

Roberts, E. A. (M)

Salare, H. C. (M)

Salare, H. C. (M)

Salare, A. P. (A)

Slater, A

Wilson, L. 1. (A)

Wing, J. (M) Young, M. E. (A) Zander, C. E. (A)

Salinas (SF-7) Horton, J. A. (M)
Johnson, R. M. Jr. (A)
Shepherd, M. J. (M)
Wright, O. N. (A)

San Anselmo (SF-7) Berryhill . J . L . (M) Kaufman , J . (SM) Oberg , V . H . (M)

San Bernardino (LA-0B-7) Adamson, L. B. (M) Dwr, E. H. (M) Ewino, G. W. (M) Featherstone, S. J. (M) Huddleston, J. C. (M) Joe, R. H. (M) Pierce, C. C. (M)

San Bruno (SF-7)
Baker, B. J. (A)
Carr. E. A. (M)
Corbett, W. F. (A)
Czelkowitz, R. F. (M)
Fuller, H. H. (A)
Hawkins, E. R. (M)
Kavanaugh, J. C. (M)
McDade, J. J. Jr. (A)
Mizuhara, A. (M)
Olson, R. E. (M)
Preist, D. H. (M)
Thomoson, O. E. (M)
Woodward, W. J. (A)

San Carlos (SF-7) 1 Carlos (SF-7)
Anderson, C. E. (M)
Bramhall, F. B. (SM)
Bremhaver, K. E. (SM)
Carter, R. W., Jr. (M)
Carter, R. W., Jr. (M)
Carter, R. W., Jr. (M)
Christian, E. (M)
Combellick, T. A. (SM)
Corola, R. (M)
Corola, R. (M)
Corola, S. F. (M)
Culbertson, A. F. (SM)
Culbertson, A. F. (SM)
Dovia, S. F. (M)
Fisher, W. C. (SM)
Gellerman, R. F. (M)
Gillern, D. A. (M)
Gillern, D. A. (M)
Gillern, D. A. (M)
Graves, H. F. (SM)
Grobera, L. R. (M)
Gross, E. H. (M)
Hahn, G. A. (M)
Hall, J. W. (M)
Hesselgrave, D. H. (SM)
Hull, J. F. (M)
Indersoll, J. C. (M)
Johnson, J. B. (A)
Johnson, J. B. (A)
Johnson, J. B. (SM)
Jolly, J. A. (SM)
Jolly, J. A. (SM)
Jolly, J. A. (SM)
Jolly, J. A. (SM)
Maltzer, I. (SM)
Maltzer, I. (SM)
Maltzer, I. (SM)
Maltzer, J. (M)
Miller, R. J. (M)
Miller, R. J. (M)
Miller, R. J. (M)
Pattin, P. B. (SM)
Pattin, P. C. (M)
Savarin, A. (M)
Pattin, P. C. (M)
Weber, J. H. (SM)
Wienow, R. E. (M)
Wienow, R. E.

San Clemente (LA-SA-7) Casad, T. A. (A)

Casad, T. A. (A)

San Diego (SD-7)
Abbey . K. (SM)
Abel . C. F. (A)
Abele . R. J. (M)
Adams, O. E. (M)
Adams, O. E. (M)
Adams, O. E. (M)
Alfano, W. A. (M)
Alfano, W. A. (M)
Alfano, W. A. (M)
Alten . W. Jr. (M)
Altman, D. E. (M)
Anderson, J. R. (M)
Anderson, J. S. (M)
Anderson, J. S. (M)

Anderson, V. C. (SM)
Anthony, D. J. (M)
Arnett, W. (SM)
Asato, C. K. (A)
Atkinson, W. H. (A)
Austin, R. W. (M)
Aylott, A. J. (M) Babbltz. H., B. (M)
Bachman. C. R. (M)
Bailey, D. G. (M)
Bailey, R. E. (M)
Ball. N. E. (M) Ball, N, E. (M)
Barber, G. D. (A)
Barber, G. D. (A)
Barber, G. D. (A)
Barber, C. E. (A)
Barrard, J. C. (M)
Barnes, H. R. (A)
Benest, W. F. (A)
Bell, E. (M)
Benest, V. F. (A)
Bell, E. (M)
Bennett, V. M. (M)
Benest, W. E. (M)
Betolino, T. R. (M)
Betolino, T. R. (M)
Bishon, D. E. (M)
Bishon, D. E. (M)
Bishon, D. E. (M)
Biomson, W. G. Sr. (SM)
Bloochies, F. H. (M)
Boochie, T. R. R. (A)
Bonham, J. F. (A)
Boohlam, J. F. (A)
Boowers, J. L. (SM)
Bowers, R. W. (VA)
Bowers, J. L. (SM)
Bowers, R. W. (VA)
Brackett, R. T. (M)
Brackett, R. T. (M)
Brackett, R. T. (M)
Brackett, R. T. (M)
Brason, E. C. (M)
Brown, W. R. (M)
Burde, D. S. (A)
Burdank, C. J. (SM)
Burdi, C. E. (M)
Burde, A. T. (SM)
Burdi, C. E. (M)
Cambbell, W. D. (M)
Canson, E. W. (M)
Carson, A. C. (M)
Carson, A. C. (M)
Carson, A. C. (M)
Carson, A. C. (M)
Carson, E. W. (M)
Carson, D. E. (M)
Carson, A. C. (M)
Carson, C. M. (M)
Chart, E. R. (A)
Cherry, W. Jr. (M)
Chart, E. R. (A)
Cherry, W. Jr. (M)
Chark, E. R. (A)
Clark, E. R. (A)
Clark, E. R. (A)
Clark, E. R. (A)
Clark, E. R. (A)
Continger, R. M. (M)
Conkill, J. M. (M)
Danielson, F. H. (M)
Daves, J. T. (M)
Deliater, R. M. (M)
Conkill, J. M. (M)
Conkill, J. M. (M)
Denny, F. (M)
Denny, F. M. (M)
Delicath, R. C. (M)
Denny, F. M. (M)
Delicath, R. C. (M)
Denny, F. M. (M)
Delicath, R. C. (M)
Denny, F. M. (M)
Denny, F. M. (M)
Donahue, J. (M)

Dovle, J. W. (A)
Drayner, A. H. (SM)
Drews, G. E. (M)
Driskell, R. O. (M)
Duqqan, J. R. (SM)
Dvess, C. H. (A) Dvess, C. H. (A)
Elvi. M. D. (A)
Elvi. M. D. (A)
Elmerich. L. (M)
Elon. P. B. (SM)
Endenden. L. (M)
Enden. P. B. (SM)
Entemann. R. C. (M)
Erickson. P. R. (M)
Evans. D. S. (M)
Fazenbaker. P. J. (A)
Faw. W. J. (M)
Fischer. J. W. (SM)
Fischer. J. F. Jr. (M)
Frogel. L. J. (SM)
Frech. R. A. (M)
Frees. C. H. (M)
Forest. J. W. (M)
Friedman. S. (M)
Forst. J. W. (M)
Gardia. G. E. (A)
Gatlin. B. R. (M)
Gardia. G. E. (A)
Gatlin. B. R. (M)
Grottevald. C. H. (M)
Gilbreath. J. A. (M)
Gildreath. J. A. (M)
Gildreath. J. A. (M)
Grodrev. W. C. (M)
Grodrev. W. C. (M)
Grodrev. M. C. (M)
Granger. H. (SM)
Greenselm. J. L. (A)
Greenwood. O. D. (M)
Granger. H. (SM)
Greenselm. J. L. (A)
Hansen. P. G. (M)
Harris. J. L. (M)
Harris. L. G. (M)
Harris. J. L. (M)
Hernandez. E. R. (M)
Hernandez. E. R. (M)
Herr E. (M)
Herr E. (M)
Herr E. (M)
Herr E. (M) Herriandez. E. K. K. M. Herriandez. E. K. K. M. Herz. E. (M.)
Hicks. C. N. (M.)
Hicks. C. A. (M.)
Hicks. P. A. (M.)
Hicks. P. A. (M.)
Hill. C. A. (M.)
Hill. C. A. (M.)
Hill. C. A. (M.)
Hill. C. A. (M.)
Hodeson. V. R. (A.)
Holcomb., D. E. Jr. (A.)
Honer. R. E. (SM.)
Hooven. P. J. (M.)
Hooven. J. C. (M.)
Hooven. J. C. (M.)
Johnson. J. B. (M.)
Johnson. J. F. (M.)
Johnson. J. F. (M.)
Johnson. S. Jr. (M.)
Johnson. J. F. (M.)
Kalbfell. D. C. (SM.)
Kalifell. D. C. (SM.)
Kalifell. D. C. (SM.)
Karel. L. G. (M.)
Kasai. K. (M.)
Kasai. K. (M.)
Kasai. K. (M.)
Kasai. K. (M.)
Kerr. H. C. Jr. (A.)
Kestler. G. (M.)
Kilnatrick. D. D. (M.)
Kilnatrick. D. D. (M.)
Kilnatrick. D. D. (M.)

Klee . H . J . (M) Klinberg . J . (A) Kluck . J . H . (M) Knox . R . M . (M) KNOX. R. M. NM)
Koehn. W. A. (M)
La Gue, T. L. (M)
Laiunoa, A. S. (M)
Lakins. B. B. (A)
La Motte, K. E. (M)
Larsen, H. L. (M)
Lee, W. L. (M)
Lee, W. L. (M)
Lee, W. L. (M)
Lee, W. L. (M)
Lee, R. G. (M)
Lee, R. G. (M)
Leone, R. G. (M)
Leone, R. G. (M)
Leone, R. G. (M)
Loode, C. R. (M)
Lisak, L. R. (M)
Lisak, L. R. (M)
Lisak, L. R. (M)
Lisak, L. R. (M)
Lobe, M. (M)
Lobe, R. G. (M)
Lobe, R. (M)
Lobe, R. (M)
Loone, J. V. (M)
Loone, J. V. (M)
Lonachamo, W. F. (M)
Lonachamo, W. F. (M)
Lonachamo, W. F. (M)
Martin, J. F. (SM)
Martin, F. C. Jr. (M)
Martin, C. S. (SM)
Martin, L. E. (M)
Martin, L. E. (M)
Martin, L. E. (M)
Martin, L. C. (M)
Martin, C. J. (M)
Martin, R. C. (M)
Matsumoto, T. (M)
Massenaale, W. B. (A)
Matsumoto, T. (M)
Massenaale, W. B. (A)
Matsumoto, T. (M)
Macoue, D. E. (A)
McDaniel, G. A. (A)
McGere, J. L. (M)
McCue, D. E. (A)
McLaushili, R. G. (A)
McLennan, J. D. (M)
McLaushili, R. G. (A)
McLennan, R. A. (M)
McLaushili, R. G. (A)
McLennan, R. A. (M)
McLaushili, R. G. (A)
Miller, C. J. (M)
Moraan, L. A. (M)
Moraan, L. A. (M)
Moraan, L. A. (M)
Moran, L. A. (M)
Moran, L. A. (M)
Moran, L. A. (M)
Moran, L. A. (M)
Melson, J. A. (M)
Niderost, C. R. (M) NIOGEOSE, L. R. (MY)
NIOZHOSEK, E. S. (M)
NOIL, F. R. (M)
NOIL, F. R. (M)
NOIL, F. R. (M)
NORIS, B. J. (M)
NOVAK, E. K. (M)
NOVAK, E. K. (M)
NOVAK, E. K. (M)
NOVAK, E. K. (M)
OIL, C. (M)
ORINA, C. (M)
ORINA, C. (M)
ORINA, C. (M)
OZAKI, G. K. (A)
Pagels, W. (A)
Pagels, W. (A)
Pagels, W. (A)
Parine, S. T. (M)
Pillips, C. E. (M)
Photinos, H. R. (M)
Photinos, H. R. (M)
Pillips, E. T. (M)
Photinos, H. R. (M)
Pillips, E. T. (M)
Pollard, W. A. (A)
Porter, J. B. (M)
Porter, J. B. (M)
Prager, R. H. (M)

Prather, A. W. (M)
Prim, D. C. (SM)
Prochoda, R. (M)
Prochoda, R. (M)
Prochoda, R. (M)
Push, E. L. (M)
Push, E. L. (M)
Rathbone, R. R. (A)
Ravey, D. L. (M)
Rathbone, R. R. (A)
Ravey, D. L. (M)
Redelings, J. T. (M)
Redelings, J. T. (M)
Redington, E. D. (SM)
Richeria, R. (M)
Remeria, R. (M)
Remoria, R. (M)
Remoria, R. (M)
Royalds, C. D. (SM)
Rider, K. B. (A)
Roark, L. A. (M)
Robinson, E. B. (SM)
Rosers, R. W. (M)
Robers, S. (SM)
Rosers, R. W. (M)
Roores, S. (SM)
Root, D. E. (M)
Roshon, A. H. (M)
Roth, J. R. (M)
Sardro, R. L. S. (M)
Safron I. (M)
Sarar, E. S. (M)
Sarborough, R. C. (A)
Scarborough, R. C. (A)
Scarborough, R. C. (A)
Schiedelin, J. W. (M)
Schindelin, J. W. (M)
Schiedelin, J. W. (M)
Schindelin, J. W. (M)
Sch

Waddell, B. L. (M)
Wade, E. (SM)
Wade, D. (M)
Wade, D. (M)
Walter, W. B. (M)
Warzecha, T. D. (M)
Warzecha, T. D. (M)
Wasserman, P. D. (A)
Watkins, V. D. (M)
Watkins, V. D. (M)
Watkins, V. D. (M)
Welshod, S. (M)
Welshod, S. (M)
Welshod, S. (M)
Welsh, A. T. (A)
Welshod, S. (M)
Welsh, A. T. (A)
Werner, R. V. (SM)
Werner, R. V. (SM)
Werner, R. W. (SM)
Werner, R. M. (M)
Westfall, W. D. (M)
Westfall, W. D. (M)
Westfall, W. D. (M)
Westfall, W. D. (M)
Wilhelm, C. G. (M)
Wilhelm, C. G. (M)
Williamson, G. H. S. (A)
Williamson, G. H. S. (A)
Williamson, G. H. S. (A)
Wilson, R. E. (M)
Wilson, R. E. (M)
Wilson, R. E. (M)
Wirth, H. J. (M)
Wirth, H. J. (M)
Woodfill, W. H. (M)
Yager, E. K. (M)
Yearley, L. E. (M)
Young, T. P. (M)
Zimmerman, J. K. (M)
Zimmerman, J. K. (M)

San Dimas (LA-DB-7) Montcalm, M. T. (A)

San Fernando (LA-SF-7)
Ayel. S. J. (M)
Bailev. C. C. (M)
Bailev. C. C. (M)
Bauer. J. A. (M)
Beolev. W. W. (M)
Beolev. W. W. (M)
Beolev. W. W. (M)
Berolund. A. O. (M)
Berolund. A. O. (M)
Discher. F. X. (SM)
Citicer. E. C. (A)
De Nicolai. M. B. (M)
Deins. C. W. (M)
Deins. C. W. (M)
Deins. C. W. (M)
Eamond. J. V. (A)
Ellis. J. W. (M)
Fairbanks. G. G. (M)
Friedman. J. A. (A)
Graber. R. E. (SM)
Honkins. W. L. (A)
Larson. C. C. (SM)
Laub. R. E. (SM)
Marchese. T. J. (SM)
Martin. R. W. (M)
McCamick. W. G. (M)
Sarver. J. J. (M)
Peterson. R. L. (M)
Riser. C. R. (M)
Rosenbero. R. E. (A)
Schlenker. J. H. (A)
Schloren. C. E. (M)
Stankovich. D. (A)

White, G. S. (M)
White, R. H. (M)

San Francisco (SF-7)
Alcorn. R. C. (A)
Annuth. M. (M)
Baldwin. R. S. (M)
Berthold. W. L. (M)
Blodoet. R. (SM)
Bollier. J. (A)
Brinton. R. L. (SM)
Bollier. J. (A)
Brinton. R. L. (SM)
Brown. R. L. (A)
Buntenbach. R. W. (M)
Cambell. A. F. (A)
Caranian. R. S. (M)
Cheu. E. D. (SM)
Conrov. C. L. (A)
Cooke. L. G. (M)
Cowdrev. H. R. (A)
Danielson. E. G. (VA)
Davv. L. H. (M)
Det. W. U. (M)
Det. W. U. (M)
Durlao. H. B. (M)
Durlao. H. B. (M)
Durlao. H. B. (M)
Durlao. J. S. (A)
Duste. G. H. (M)
Edens. R. L. (M)
Edens. R. L. (M)
Edison. E. (SM)
Enerv R. M. (A)
Fong. W. L. (A)

- 465 -Fond, W. W. (M)
Forrest, W. S. (A)
Fort, L. R. (M)
Fort, L. R. (M)
Fowler, E. B. Jr. (M)
Frear, R. B. (A)
Given, I. (M)
Geo, H. W. (A)
Given, I. (M)
Greorian, R. P. (M)
Hallbran, A. H. (SM)
Hallbran, A. H. (SM)
Hallbran, A. H. (SM)
Harrinoton, R. R. (A)
Haskell, H. B. (M)
Haskell, H. B. (M)
Haskell, H. B. (M)
Hals, R. (A)
Held, H. E. (VA)
Holloway, J. (SM)
Howe, G. A. (A)
Howland, R. S. (M)
Jobson, C. B. (A)
John, E. J. (A)
Kafafian, J. (M)
Kalb, H. N. (M)
Koshenderfer, W. E. Jr. (M)
Koloboff, G. J. (M)
Koloboff, G. J. (M)
Konth, H. G. (SM)
Koln, H. G. (SM)
Londells, J. H. (A)
Lee, T. (A)
Lee, T. (A)
Lee, F. B. (M)
Lee, F. B. (M)
Lee, F. B. (M)
Lee, R. W. (A)
Lee, W. (A)
Low, S. (A)
Little, W. A. (A)
Morison, A. M. (M)
Marshall, E. G. (M)
Marshall, E. G. (M)
Marshall, E. G. (M)
Morison, A. G. (M)
Morison, A. G. (M)
Morison, A. G. (M)
Morison, A. M. Jr. (SM)
Millor, C. W. (M)
Morison, A. M. Jr. (M)
Noble, M. I. Jr. (M)
Noble, R. R. (A)
Oden, D. E. (M)
Pallar, P. J. (A)
Pallar, P. J. (A)
Pallar, P. J. (A)
Prise, W. J. (A)
Poller, R. R. (A)
Noble, R. R. (M)
Noble

Woo, F. (M)
Wood, G. V. (M)
Woodruff, R. L. (M)
Woolverton, R. B. (F)
Yamamoto, N. (M)
Yee, A. W. (A)
Yee, P. (M) Zipf, A. R. (A)

Zipf, A. R. (A)

San Gabriel (LA-P-7)
Auadoni, C. A. (M)
Burtner, R. K. (A)
Crosbv, J. C. (M)
Dysinoer, C. W. (A)
Fitzwater, W. Jr. (M)
Franklin, P. G. (M)
Holmes, R. B. (M)
Karsten, J. A. (M)
Kizer, D. E. (M)
Le Gette, M. A. (A)
Leonett, D. A. (M)
Mason, J. L. (A)
Merryman, W. R. (M)
Seelev, E. M. (A)
Street, N. C. (M)
Welss, J. L. (M)
Yels, J. L. (M)

York, E., Jr. (M) San Jose (SF 7)
 Ackerman, F. G. (M)
 Alloaier, J. R. (A)
 Anderson, P. L. (M)
 Anderson, R. A. (M)
 Anderson, R. A. (M)
 Anderson, R. A. (M)
 Astrahan, M. M. (SM)
 Atkinson, J. H. (M)
 Alkinson, J. H. (M)
 Ballev, S. H. (A)
 Bain, R. A. (A)
 Barlow, B. R. (M)
 Bartline, M. H. (M)
 Bats, J. E. (M)
 Battine, M. H. (M)
 Bets, J. E. (M)
 Bets, J. E. (M)
 Bets, J. (M)
 Bets, J. (SM)
 Benotic, R. E. (A)
 Bramlev, N. V. (SM)
 Brown, C. J. (M)
 Brown, C. J. (M)
 Brown, R. G. (M)
 Brown, R. W. (M)
 Brown, R. W. (M)
 Brown, R. W. (M)
 Brown, R. W. (M)
 Cantoni, C. W. (M)
 Chandler, R. T. (M)
 Chandler, R. T. (M)
 Chandler, R. W. (M)
 Chandler, R. W. (M)
 Condo, J. M. (A)
 Croad, J. G. (M)
 Coundins, E. L. (A)
 Danielson, D. W. (M)
 Danielson, D. W. (M)
 Danielson, D. W. (M)
 Downham, H. A. (M)
 Dowlane, R. H. (M)
 Downham, H. A. (M)
 Dowlane, R. E. (M)
 Fenandez, J. P. (M)
 Fenandez, J. P. (M)
 Fenandez, J. P. (M)
 Freibero, L. (A)
 Fenour, R. G. (M)
 Gedes, D. A. (M)
 Gedes, C. S. (M)
 Harries, G. V. (M)
 Haaroli, G. W. (M)
 Grano, N. J. (M)
 Harries, G. V. (M)
 Harries, G. V. (M)
 Harries, G. V. (M)
 Harries, G. V. (M)
 Harries, G. W. (M)
 Grano, N. J. (M)
 Grano, N. J. (M)
 Grano, N. J. (M)
 Grano, N. J. (M)
 Gr Hoadland. A. S. (SM)
Hoain. J. L. (M)
Hooner. E. (M)
Hooner. E. (M)
Housman. B. (M)
Howard. A. B. (A)
Hurlbut. G. N. (M)
Idehara. R. K. (M)
Ihlv. F. J. (M)
Isaak. M. E. (M)
Jacobs. I. M. (M)
Jacobs. I. M. (M)
Jesses. E. (M)
Johnson. D. R. (M)
Johnson. D. R. (M)
Johnson. D. R. (M)
Johnson. W. G. (M)
Johnson. W. G. (M)
Johnson. W. J. J. (A)
Miler. D. J. Jr. (M)
Kirland. J. A. (M)
Larson. R. C. Jr. (M)
Larson. R. C. Jr. (M)
Larson. R. C. (M)
Marchol. G. K. (M)
Marchester. D. F. (M)
Marchester. D. F. (M)
Markev. H. G. (A)
Martin. V. G. (SM)
McOulloudn. J. S. (SM)
McOulloudn. J. S. (SM)
McOulloudn. J. S. (SM)
McOulloudn. J. S. (SM)
Molozahn. V. L. (M)
More. C. R. (SM)
More. C. R. (SM)
Mory. M. E. (M)
More. J. D. (M)
Norby. M. E. (M)
Norby. M. E. (M)
Norby. M. E. (M)
Norby. M. E. (M)
Palm. R. A. (M)
Politios. W. J. (M)
Politios. W. J. (M)
Revnolds, W. Jr. (M)
Politios. W. J. (M)
Revnolds, W. Jr. (M)
Robens. T. E. Jr. (M)
Robens. J. S. (M)
Robens. J. S. (M)
Robens. J. Pr. (M)
Robens. J. S. (M)
Robens. J. Jr. (M)
Robens. R. Jr. (M)
Robe

Wong . W-K. C . (M)

CALIFORNIA - 466 -

Wood, F.B.(M) Worster, J.R.(M)

San Leandro (SF-EB-7)
Albrecht, J. F. (A)
Andersen, R. L. (M)
Borrelli, R. N. (M)
Hauhrock, F. W. (M)
Herendeen, C. E. (M)
Jones, F. W. (M)
Kritzer, E. A. (A)
Sanders, J. G. (A)
Silverman, B. P. (M)
Snyder, C. K. (M)
Still, J. G. (A)

San Lorenzo (SF-EB-7) Donahue, W. J. (A) Jacobs, H. L. (A) Murray, J. L. (A)

Murray, J. L. (A)

San Luis Obisoo (LA-SB-7)
Brown, C. F. (M)
Cloonan, C. B. (M)
Fisher, C. E. (A)
Hendriks, H. J. (SM)
Herald, C. A. (M)
Jones, G. D. (A)
Landyshev, A. (SM)
Nelson, P. H. (SM)
Radius, C. (SM)
Roberts, M. E. (A)
Smokhers, M. E. (A)
Smokhers, W. C. (A)
Wills, J. R. (M)
Wolf, H. K. (SM)
Zimmerman, H. S. (M)

San Marino (I. A.P.-7)
Baumpartner, W. S. (SM)
Beswick, W. A. (A)
Bucknell, W. H. (VA)
Gauldin, C. B. (M)
Irvin, E. M. (M)
Metzger, H. W. (M)
Moore, R. L. (A)
Pfelffer, P. W. (M)
Pfelffer, P. W. (M)
Sewers, E. S. (M)
Sievers, E. S. (M)
Sievers, E. S. (M)
Stewart, J. L. (SM)
Stimson, J. D. (M)
Thatcher, J. W. (SM)
Wright, W. V., Jr. (M)

wright, W. V., Jr. (M)

Santa Maria (LA-SB-7)
Elam, O, R., Jr. (M)
Greene, A. A. (A)
Hill, A. J. (M)
Holbrook, J. G. (M)
Hughes, C. J. (M)
Krino, J. D. Jr. (M)
Lane, L. M. (M)
Maurer, R. S. (M)
Mrazek, D. A. (A)
Patterson, A. F. (M)
Pefferle, D. L. (M)
Pefferle, D. L. (M)
Person, J. L. (A)
Seymour, E. E. (M)
Teeter, W. L. (SM)
Thompson, L. G. (M)
Wallace, P. R. (M)
Zerfas, G. J. (A)

San Martin (SF-7) Sylvain, E.F. (M)

San Mateo (SF-7)
Andrews, W. F. (M)
Armstrong, P. S. (A)
Bartholomew, H. C. (M)
Batten, H. W. (M)
Bennett, W. S. (SM)
Chow. B. (M)
Condie, M. A. (SM)
Covne, K. M. (A)
De Lorimier, J. B. (M)
Downie, W. A. (M)
Eallonardo, C. M. (M)
Fielding, B. L. (M)
Fielding, B. L. (M)
Fielding, B. L. (M)
Floyd, W. S., Jr. (A)
Finder, W. F. (SM)
Hong, K. G. (M)
Holler, R. E. (SM)
Hong, K. G. (M)
Holler, R. E. (SM)
Hong, M. (M)
Holler, R. E. (M)
Hong, M. (M)
Holler, C. L. (M)
Holler, C. M. (M)
Holler, M. (M)
Hol

Show, L. W. (A)
Smyrmos, G. J. (M)
Soderstrum, J. C. (SM)
Snoddy, R. E. (M)
Sutherland, R. I. (M)
Taylor, E. D. (M)
Taylor, R. A. (M)
Wilber, L. E. (A)
Williams, J. A. Jr. (M)
Woodward, D. E. (M)
Zwelfel, F. A. (M)

San Pablo (SF-EB-7) McDaniel , R . F . (A)

McDaniel, R. F. (A)

San Pedro (LA-7)
Albro, P. W. (M)
Balnes, E. L. (M)
Barla, E. J. (M)
Brodek, W. J. (M)
Clyne, W. E. (SM)
Conant. J. L. Jr. (M)
Conn, R. B. (M)
Deaver, J. M. (A)
Dve, R. R. (M)
Gisnen, S. J. (M)
Gisnen, S. J. (M)
Gisnen, S. J. (M)
Gustin, J. T. (A)
Hawley, G. K. (M)
Hawley, G. K. (M)
Hawley, G. K. (M)
Heaverlo, H. D. (A)
Hettich, J. J. (M)
Helaverlo, H. D. (A)
Hettich, J. J. (M)
McBurlo, H. C. (M)
Kelly, R. D. (M)
Kelly, R. D. (M)
Kerber, R. B. (M)
Kelly, R. D. (M)
Kelly, R. D. (M)
McVeraly, K. F. (M)
McVilliams, J. D. (SM)
Mowribide, E. H. (A)
Lowe, R. R. (SM)
McWilliams, J. D. (SM)
McWilliams, J. D. (SM)
Moore, M. E. (M)
O'Brien, W. C. (A)
Oliver, R. B. Jr. (M)
Resiss, R. I. (M)
Robinson, D. H. (M)
Robinson, D. H. (M)
Robinson, D. H. (M)
Schmid, L. H. (A)
Schwid, S. G. (M)
Thomas, D. W. (M)
Weisz, P. H. (M)
Vourg, H. A. (SM)
San Rafael (SF-7)

San Rafael (SF-7)
Catania. C. J (M)
Etten. K. W. (M)
Fitzrov. D. C. (A)
Hallick. J. A. (A)
Marshall. F. M. (M)
Matthews. D. W. (A)
Miles. C. W. (M)
Paulson. G. A. (A)
Scharb. L. E. (A)
Watkinson. J. B. (M)
Wood, R. W. (A)

Santa Ana (LA-SA-7)
Akrell. C A S (SM)
Anderson. S E (M)
Amold. H J (SM)
Baranoff. A J (SM)
Berathold. F M . Jr (M)
Bixler. O C (SM)
Blair. D R (A)
Bonnev. R B (SM)
Brown. C A (SM)
Buchanan. R A (M)
Buck. J. H (SM)
Buchanan. R A (M)
Buck. J. H (SM)
Buchanan. R A (M)
Buck. J. Jr (SM)
Canos. J W (M)
Canos.

Lander. R F (A)
Larson. H T. (M)
Lavanin. J. G... Jr
Lavanin. J. G... Jr
Lavanin. J. G... Jr
McLaverino. C A (VA)
Mallinckrodt. A J (SM)
McCandless. J. B (M)
McCandless. J. B (M)
McCandless. J. B (M)
McComough. S L (M)
Now. J. G. (M)
Now. J. G. (M)
Now. L. B. (M)
Persons. L D (M)
Porter. W R (M)
Preston. L S (SM)
Prottor. D R (SM)
Prottor. D R (SM)
Prottor. D R (SM)
Prottor. D R (SM)
Sander. M H. (M)
Schumann. W A (M)
Schlino. G M (M)
Scelev. E S (SM)
Shamon. J B (M)
Shaw. L B (A)
Shaw. L B (A)
Shaw. L G M
Sisson. R (M)
Sisson. R (M)
Sisson. R (M)
Shaw. L G (M)
Smith. R (SM)
Smith. W K (M)
Smith. C C L (M)
Smith. C C L (M)
Smith. C C L (M)
Smith. W K (M)
Smith. C C L (M)
Tammell. F S . Jr (M)
Trammell. F S . Jr (M)
Trammell. F S . Jr (M)
Vonel. O F . Jr (SM)
Warlass. S D (M)
Warlass. S D (M)
Warlass. S D (M)
Warlass. J W (M)
Wood. W. S (M)
Young, S (M)

wood. W. S. (M)
wood. W. S. (M)
Young, S. (M)

Santa Barbara (LA-SB-7)
Azaaoetian. V. (SM)
Bartolini. E. (SM)
Bartolini. E. (SM)
Bertonan. C. W. Jr. (A)
Beveridae. H. N. (SM)
Bock. M. J. (M)
Book. M. J. (M)
Book. M. J. (M)
Brown. F. W. (M)
Brown. F. W. (M)
Brown. F. W. (M)
Brun. G. E. (M)
Burt. C. R. (A)
Buttschardt. C. C. Jr. (M)
Crise. P. M. (M)
Dawley. R. L. (M)
De Vore. L. T. Fried Dawley R L (M)
De Vore L T (F)
Dickey W S (SM)
Porster M C (M)
Gabrielsen H R (M)
Gabrielsen H R (M)
Gabrielsen H R (M)
Gardon B E (M)
Gullatt S P Jr (A)
Hanson O W (M)
Hancke J B J G (M)
Hanson O W (M)
Hanson O W (M)
Hanson O W (M)
Hanse R (M)
Hedoes C P (SM)
Hummer R F (M)
Hummer R D (M)
Kalstrom R D (M)
Kalstrom R D (M)
Kinoman G M (M)
Koenitzer R D Jr (M)
Kalstrom R D (M)
Kinoman G M (M)
Koenitzer R J Jr (M)
Larson R W (M)
Lumber R M (M)
Hummer R M (M)
Hansind J C Jr (M)
Hansind J C Jr (M)
Harson R M (M)
Mark R A (M)
More J M (M)
Mark R A (M)
More J M (M)
Moselev J A (M)
More J M (SM)
More J M (M)
Mele J M (M)
Mele

Scott, R. C. (SM)
Sears, J. F. (SM)
Sears, J. F. (SM)
Shiers, G. (MM)
Smith, H. W. (A)
Smith, R. A. (MN)
Smith, R. A. (MN)
Smith, W. E. (M)
Snith, W. E. (M)
Snith, W. E. (M)
Snith, W. E. (M)
Snith, W. E. (SM)
Stoll, C. N. (MN)
Taras, S. M. (A)
Tarahauser, A. J. (MN)
Tavior, D. H. (SM)
Thomson, R. L. (A)
Thomson, P. H. (SM)
Thomsen, P. H. (SM)
Thomsen, P. H. (SM)
Trammell, A. K. (MN)
Urbach, K. (SM)
Urbach, K. (SM)
Wilders, D. (MN)
Wallin, V. W. (SM)
Wall, V. W. (SM)
Wall, V. W. (SM)
Weiss, M. (MN)
Wilders, B. G. (MN)
Wilders, B. G. (MN)
Wilders, B. G. (MN)
Wilders, D. (MN)

Santa Clara (SF-7)
Adams, W. H. (SM)
Adelson, M. B. (M)
Alford, C. H., Jr. (M)
Bird, D. (M)
Bennion, J. L. (M)
Bird, J. J. (SM)
Bird, P. F. (M)
Black, S. H. (M)
Black, S. H. (M)
Black, S. H. (M)
Black, S. H. (M)
Brown, J. S. (M)
Bustamante, H. A. (M)
Bustamante, H. A. (M)
Carnev, D. G. (M)
Cheslev, B. E. (M)
Cobb, G. L. (A)
Conner, C. C. (SM)
Convertino, R. O. (M)
Dill, J. J. (M)
Dill, J. J. (M)
Dill, J. J. (M)
Dill, J. J. (M)
Ellis, W. (M)
Estrada, M. S. (A)
Fillebrown, S. M. (M)
Filzoatrick, J. P. (SM)
Flemino, H. B. (M)
Forster, R. L. (M)
Griber, R. L. (M)
Hillesland, C. B. (M)
Hillesland, C. B. (M)
Hillesland, C. B. (M)
Johnston, M. H. (A)
Katzman, H. (M)
Katzman, H. (M)
Killion, D. G. (M)
Koener, D. F. (M)
Laliv, J. P. (M)
Laliv, J. P. (M)
Laliv, J. P. (M)
Laliv, J. P. (M)
Lambertv, B. J. (M)
Lon, D. J. (M)
McClarv, D. A. (M)
McClarv, D. M. (M)
McClarv, D. A. (M)
McClarv, D. Ne Smith , W , W (M) Newman , H , L (SM) Palmer, W , F , (M) Pea , R O (A) Pershina , P , D (M) Peterson , K F , (A) Pickert, C E (M) Poulsen , J F (A) Roots , W K , (SM) Rudolf , S (M) Scibulz , D F (M) Scism , W A (SM) Sepulveda , R E (M)

Shew. L. F. (M)
Snesock. G. J. (M)
Sturdevant. J. T. (M)
Sullivan. J. M. . Jr. (M)
Sullivan. J. M. . Jr. (M)
Sullivan. J. M. . Jr. (M)
Swavze. D. W. (M)
Tennev. H. D. (M)
Thombura. R. O. (M)
Trumoler. J. H. (M)
Van Ess. J. C. (M)
Wasielewski. S. . Jr. (M)
Weiner. A. (M)
Weiner. A. (M)
Weiner. G. L. (A)
Whitton. G. L. (SM)
Wright. B. (SM)
Wright. B. (SM)

Santa Cruz (SF-7) Gerhart. R. E. (M) Hubbard. A. L. (SM) Jackson. C. L. (A) Janitschke. E. O. (VA) Mattson. D. F. (SM) Wilson, D. R. (M)

Santa Fe Sorings (LA-7) Kerian R. D. (A) Tosspon A. E. (M) Wood, G. D. (M)

Santa Montca (LA-7) Alexander B. H. (SM)
Alexander B. H. (SM)
Alexander M. A. (M)
Anderson. T. G. (M)
Anderson. T. G. (M)
Anderson. T. G. (M)
Banhacel. E. W. (A)
Banhamel. E. W. (A)
Banhamel. E. W. (A)
Banhamel. E. W. (A)
Banhamel. E. W. (A)
Becker L. E. (M)
Becker L. E. (M)
Beintema. C. D. (M)
Bekev. I. (M)
Bell. A. E. (M)
Billingham. D. J. (M)
Breneman. L. E. (M)
Breneman. H. M. (M)
Caroe. J. B. (SM)
Caroe. J. W. (SM)
Caroe. J. W. (SM)
Caroe. J. M. (M)
Conki. M. E. (M)
Conki. M. E. (M)
Conki. J. L. (M)
Conki. J. L. (M)
Davie. M. C. (SM)
Demarest. J. W. (M)
Denton. R. F. J. (M)
Difford. L. A. (A)
D'Nelly. G. O. (SM)
Dirlingham. N. J. (SM)
Filman. N. J. (SM)
Filman. N. J. (SM)
Filman. N. J. (SM)
Frox. A. J. (M)
Frox. A. J. (M)
Frox. A. J. (M)
George. V. L. (M)
George. V. L. (M)
George. V. L. (M)
Guyer. E. (M)
Batlock. V. K. (SM) Guver, E. (M)
Hadlack, C. K. (SM)
Haladei, M. A. (M)
Harbauch, A. W. (M)
Helnrich, F. (M)
Herr, D. L. (SM)
Hilliard, J. T. (M)
Hobbs, G. H. (M)
Hobbs, G. H. (M)
Jamieson, H. W. (SM)
Judee, F. W. (M)
Kraalukas, J. (A)
Kidd, A. T. (M)
Kraelien, H. Y. (M)
Krantz, C. H. (M)
Lakatos, E. (SM)
Labham, O. J. (M)
Lahame, B. H. Ju. (M)
Landen, C. M. (M)
Landen, C. R. (M)
Lindibolm, C. R. (M)
Lustoarten, M. N. (SM)
Walner, E. P. (M)
Manharer, D. E. J. M. (M)
Manser, D. E. J. M. (M)
Marsh, A. H. (M)

CALIFORNIA - 467 -

McLaughlin, W. J. (M)
Melara, J. D. (M)
Miller, E. M. (A)
Miller, E. M. (A)
Miller, D. (M)
Miller, H. D. (M)
Mollov, H. R. (M)
Moody, R. D. (M)
Moody, R. D. (M)
Moreles, B. E. (M) Moodv. R. D. (M)
Morriss. B. E. (M)
Morriss. B. E. (M)
Noldef. C. R. (A)
Nolde. G. V. (SM)
Nutten. D. C. (M)
Oda. D. J. (SM)
Orlando. N. M. (M)
Pacini. E. J. (M)
Parkins. T. R. (A)
Parkinson. C. B. Jr. (SM)
Pendleton. W. H. (A)
Plew. H. E. Jr. (M)
Duah, R. A. (M)
Ouandt. R. L. (M) Duandt, R. A. (M)
Duandt, R. L. (M)
Randall, L. B. (A)
Reese, R. F. (SM)
Rehler, K. M. (M)
Reiner, S. H. (SM)
Renaud, H. G. (A)
Robertson, V. H. (M)
Rohand, H. G. (A)
Robertson, V. H. (M)
Rosen, H. A. (M)
Rosen, H. C. (SM)
Rosen, H. G. (M)
Rosen, H. G. (M)
Rosen, H. G. (M)
Salzer, J. M. (SM)
Sanford, R. C. (SM)
Salzer, J. M. (SM)
Sanford, R. C. (SM)
Schindler, M. (M)
Valetier, H. (M)
Waller, M. (M)
Weber, R. J. (M)
Weber, R. J. (M)
Weber, R. J. (M)
Wenerstrom, D. (M)
Wheeler, D. D. (M)
Wheeler, D. D. (M)
Whieler, D. D. (M)
Whieler, R. A. (M)
Wileman, R. A. (M)
Vashida, M. (M)
Zweizig, J. R. (M) Jr. (SM)

Santa Paula (LA-B-7) Sharn J. M. (M) Wasmansdorff . C. (SM) Wymore, R. H. (M)

Santa Rosa (SF-7) Merrill, G. E. (M) Parker, J. F. (A) Tavernia, G. B. (A)

Santa Ynez (L-SB-7) Shannon, W. W. (M)

Santee (SD-7) Freedman, S. (SM) Smith, W. R. (A)

San Ysidro (SD-7) Zint, K. E. (SM)

atooa (SF-7)
Ackerlind, E. (SM)
Aubry, J. D. (A)
Belteville, L. M. (SM)
Black, R. J., Sr. (M)
Bover, D. A. (M)
Bover, B. E. (SM)
Brolly, A. H. (SM)
Chromy, B. J. (VA)
Dawson, E. C. (M)
Chromy, B. J. (VA)
Dawson, E. C. (M)
Frizzell, C. E. (SM)
Hart, A. L. (M)
Harmack, C. M. (SM)
Hart, A. L. (M)
Heninoer, G. O. (M)
Heemstad, J. A. (M)
Hodde, M. H. Jr. (M)
Hovath, A. (SM)
Imboden, G. J. (A)
Jones, R. E. (M)
Law, L. R. (A)
McEuen, A. H. (SM)
Melas, C. M. (M)
Melas, R. R. (SM)
Molas, R. R. (SM)
Molas, R. R. (SM)
Multz, W. E. (SM) Saratopa (SF-7) Nettesheim . H . P . (SM) Nvlander, R. F. (A)
Palmer, W. G. (M)
Pease, M. C. III (SM)
Ransil, R. I. (M)
Rolnh, D. B. (M)
Seader, L. D. (M)
Smith, P. G. (SM)
Stone, A. H. (A) Test. L D (M) Tyminski, W. V. (M)

Sausalito (SF-7) Dixon, F. C. (A)

Seal Beach (LA-SA-7) Cosgrave, S. J. (M)

Seal Beach (LA-SA-7)
Cosgrave, S. J. (M)

Seoulveda (LA-SF-7)
Ahmann, J. J. (M)
Anderson, J. G. (A)
Baker, C. R. (M)
Bosk, E. L. (SM)
Boroka, R. P. (M)
Bryant, J. E. (M)
Bucklev, J. W. (A)
Camenter, S. L. (M)
Clarke, D. R. (M)
Corev, E. J. (A)
Davis, M. E. (M)
Decuir, L. E. (M)
Decuir, L. E. (M)
Derd, W. (A)
Erhardt, K. D. (M)
Gardner, J. M. (SM)
Heidbrink, M. E. (M)
Holly, R. (M)
Holly, R. (M)
Lesch, S. (M)
Lords, F. V. (A)
Menasco, L. C. (A)
Miller, D. E. (SM)
Montilo, R. E. J. (M)
Norby, H. A. (SM)
Palmouist, M. L. Jr. (M)
Neshit, E. E. (SM)
Norby, H. A. (SM)
Peterson, R. W. (M)
Reaver, R. R. (M)
Richards, C. B. (M)
Richards, C. B. (SM)
Ritter, B. S. (SM)
Straube, G. F. (M)
Swales, S. (M)
Vylie, L. (A)

Sherman Oaks (LA-SF-7)
Abbott, J. R. (M)
Allen, F. C. (M)
Beekman, R. E. (SM)
Bloombera, R. A. (M)
Blumbera, N. (M)
Butts, L. E. (M)
Butts, L. E. (M)
Caldwell, W. D. (M)
Cambell, E. J. (A)
Cardano, S. J. (M)
Childs, H. A. (SM)
Dean, J. P. (M)
Derderian, N. (A)
Deutsch, R. (SM)
Dickinson, H. B. (A)
Duda, R. O. (M)
Emerlian, R. A. (M)
Emerlian, R. A. (M)
Foote, S. (A)
Ferrel, D. W. (M)
Froehlia, G. M. (M)
Garafalo, J. J. (M)
Gaufalo, J. J. (M)
Grossfield, S. (SM)
Herlinger, L. F. (A)
Hooper, B. E. (M)
Jones, B. J. (A)
Krinsky, S. S. (A)
Lamm, R. A. (SM)
Lebell, D. (M)
Leon, H. I. (SM)
Marvier, N. (M)
Newman, G. O. (A)
Pussley, D. W. (F)
Rolnik, J. A. (M)
Ross, M. N. (M)
Russell, D. C. (M)
Suffield, F. G. (SM)
Sheldon, P. H. (M)
Silberbera, R. W. (M)
Soranger, P. B. (A)
Sprong, D. C. (M)
Suffield, F. G. (SM)
Their, P. (M)
Tropila, J. F. (M)
Wahlstrom, J. W. (M)
Waller, R. W. (M)
Wansleow, R. D. (M)
Webb, P. S. (M)
Wiltsey, C. C. (M)
Zinehlke, E. R. (M)

Sierra Madre (LA-P-7)
Burke, H. E. . Jr. (SM)
Carpenter, F. C. . Jr. (M)
Da Silva, E. G. (M)
Kellev, J. R. (A)
Phillips, E. V. (M)
Posthill, B. N. (A)
Rosenblum, P. (M)
Sierneth, A. J. (SM)
Sierneth, A. J. (SM) Stefansson. R. (M) Tahl. J. E. (A) Wheelon. W. E. (A) Zeuschner, R. F. (SM)

Solana Reach (SD-7) Blum, M. (M)
Cannon, J. W. (A)
Gibb. R. F. (M)
Heid. P. R. (M) McIlwraith, C.G.(A)

Solvano (LA-SB-7) Essen.O.E.(M) Pischel, E.F.(SM)

Sonoma (SF-7) Hurley. R. B. (SM) Sievert, G. F. (M)

Soquel (SF-7) Wheeler, D. E. (SM)

South Gate (LA-7)
Dickinson. H. (A)
Fuiimoto, M. (A)
Gaal. I. G. (M)
Gilliam. C. E. (A)
Maurer, R. A. (M)
Rooers. J. M. (A)
Roslund, T. A., Jr. (M)
Solie, A. J. (A)
Wilous, D. S. (M)
Yoshioka, G. (A)

South San Francisco (SF-7)
Bowie, R. L. (A)
Elkins, C. E. (M)
Garzoli, F. F. (M)
Jenkins, C. D., Jr. (M)
Johnston, J. G. (A)
Karo, P. W. (M)
Rumble, G. F. (A)
Trioo, A. L. (M)
Tudor, H. (M)

South San Gabriel (LA-P-7) Fairbanks, A.F. (M) Painchaud, P.A. (M)

South Palo Alto (SF-PA-7) Huynen , J . R . (M)

South Pasadena (LA-P-7)
Bartel , W. B. (A)
Blasier, H. E. (VA)
Card, J. B. (M)
Downs, G. W., Jr. (SM)
Eostein, R. A. (M)
Farzan, J. (M)
Freel, C. L. (A)
Holmes, W. T. (M)
Holt, T. C. (A)
Horiuchi, H. H. (M)
Keller, R. G. (M) Houdyshell . H . H . Keller . R . G . (M) Kuck . R . G . (SM) Mack . D . R . (M) Olsen . H . G . (M) Sell . D . D . (M) Shapiro . H . (M) Tracy . T . (M) Trzyna , T . S . (A)

Spring Valley (SD-7)
Blalock . J. N . (A)
Brunswick . H . D . (A)
Smith , H . C . (M)

Smith, H. C. (M)

Stanford (SF-7)
Ayers, W. R. (M)
Bahrs, G. S. (M)
Bahrs, G. S. (M)
Bevensee, R. M. (M)
Bishoo, F. W. (M)
Bolie, V. W. (M)
Bolie, V. W. (M)
Bolie, V. W. (M)
Bolie, V. W. (M)
Bracewell, R. N. (SM)
Bran, J. H. (M)
Buss, R. R. (SM)
Chane, W. S. C. (M)
Chodorow, M. (F)
Coates, D. B. (M)
Crain, R. A. (SM)
Crane, M. (M)
Crane, M. (M)
Crane, M. (M)
Crane, M. (M)
Crane, R. A. (SM)
Dunn, D. A. (SM)
Dunn, V. E. (M)
Dunn, V. E. (M)
Canna, R. D. (M)
Fontana, J. (M)
Fontana, J. (M)
Fontana, J. (M)
Galladher, P. B. (M)
Galladher, P. B. (M)
Gintshy, J. L. (SM)
Harner, G. E. (M)
Harris, D. P. (M)
Harris, D. P. (M)
Heffner, H. (SM)
Helltwell, R. A. (SM)

Holmes, C. H. (A)
Hsu, J. (M)
Jashera, J. H. (M)
Jashera, J. H. (M)
Jaynes, E. T. (SM)
Keehn, D. G. (M)
Kincheloe, W. R., Jr. (SM)
Kino, G. S. (A)
Klotter, K. (SM)
Laeerstrom, R. P. (M)
Laeerstrom, R. P. (M)
Linden, D. A. (M)
Linden, D. A. (M)
Mandina, L. A. (SM)
MacGrate, J. G. (M)
MacLa, K. (SM)
McCrate, J. G. (M)
Moll, J. L. (M)
Moll, J. L. (M)
Melson, C. G. (M)
Nelson, C. G. (M)
Pantell, R. H. (A)
Pettl, J. M. (F)
Scarlett, R. M. (M)
Shoens, C. J. (M)
Shoens, C. J. (M)
Sonkin, S. (SM)
Steed, E. C. (M)
Taussia, N. (M)
Taussia, N. (M)
Taurer, F. M. (M)
Tuttle, D. F., Jr. (SM)
Waterman, A. F. (F)
Turner, F. M. (M)
Waterman, A. F. (M)
Waterman, A. (M)
Waterman, A. A. (F)
Walkins, D. A. (F)
Willohm, B. A. (M)
Wilson, D. K. (SM)

Stanton (LA-SA-7) Kramer, R.J.(A)

Stockton (SAC-7)
Dausman. R. H. (M)
Echandi. J. (M)
Feaan. A. A. (M)
Greene. M. B. (A)
Lazaro, S. A. (A)
Welch, H. E. (M)

Studio City (LA-SF-7)
Allen, F. W. (M)
Berntsen, P. L. (M)
Fox. M. (M)
Hollmann, H. E. (F)
Kaeburn, L. K. (SM)
Modauchey, R. P. (M)
Moon, R. B. (M)
Molson, C. S. . Jr. (M)
Norwalt, R. H. (A)
Rich, K. J. (M)
Schick, H. G. (M) Schick . H . G . (M) Smith, W. W. (A)

Sunland (LA-SF-7)
Buland, R. N. (M)
Kaolan, M. N. (M)
Koontz, R. H. (A)
Muir, H. M. (A)
Saunders, C. F. (A)

Sunnyvale (SF-7)
Andrews, C, A., Jr. (M)
Antony, C, (M)
Amon, C, (M)
Amon, C, (M)
Amon, D, E, (M)
Barnett, R, M, (SM)
Barr, G, L, (M)
Barrett, L, S, (M)
Bauman, R, E, (M)
Bensen, R, F, (M)
Bensen, R, G, (A)
Bower, D, A, (A)
Bower, D, L, (M)
Brown, A, E, (M)
Carber, C, H, (M)
Carber, C, L, (M)
Carber, P, S, -T, (M)
Case, M, D, (M)
Chalfiee, B, J, (M)
Chalfiee, B, J, (M)
Chemo, C, B, (A)
Contos, P, A, (M)
Contos, R, D, (M)
Contos, R,

Earl. H. O. (M)
Eckert. H. R. (M)
Endslev. J. P. (A)
Enslow. G. M. (M)
Erickson. G. G. (M)
Erickson. G. G. (M)
Erickson. G. G. (M)
Erickson. G. G. (M)
Frickson. G. G. (M)
Frickson. G. G. (M)
Frieds. R. L. (M)
Finmev. D. J. (SM)
Fishman. M. (M)
Fishman. M. (M)
Frosnor. W. P. (M)
Frosolone. A. (M)
Frosolone. A. (M)
Gabrielson. H. C. (M)
Gallichotte. J. H. (M)
Garcia. G. F. (M)
Gildis. A. R. (A)
Gillard. C. W. (M)
Graham. B. (SM)
Grushkin. M. (M)
Haaa. M. W. (M)
Hammond. E. B. . Jr. (SM)
Hammond. E. B. . Jr. (M)
Hammond. G. P. Jr. (M)
Hanser. H. W. Jr. (M)
Harser. J. W. (M)
Harser. J. W. (M)
Harser. J. W. (M)
Horowitz. R. B. (A)
Holmes. W. M. (M)
Hodera. H. E. (M)
Holmes. W. M. (M)
Houston. W. B. (M)
Houston. R. J. (M)
Londmire. R. C. (M)
Londmire. R. C. (M)
Londmire. R. C. (M)
Lopes, R. R. (A) Lundstrom, O. C. (M)
Lundstrom, O. C. (M)
MacKerrow, D. E. (M)
Mallo, M. V. (A)
Malali, M. V. (A)
Malali, M. V. (A)
Malali, M. V. (A)
Marshall, J. A. (A)
Marer, C. D. (A)
McClain, W. J. (M)
Mclain, W. J. (M)
Mclain, W. J. (M)
Miller, K. E. (M)
Miller, K. E. (M)
Miller, K. E. (M)
Miller, K. E. (M)
More, G. O. (SM)
More, G. O. (SM)
More, F. A. (M)
Nash, J. P. (SM)
Nash, J. (M)
Nash, J .. Jr. (SM) Stewart, R. J. (SM)
Stoltz, J. R. (M)
Stoltz, J. R. (M)
Stane, R. H., Jr. (M)
Szatrowski, Z. (A)
Tannery, J. F. (M)
Taylor, N. J. (M)
Telenbaum, S. J. (M)
Thom, J. C. (SM)
Tralner, R. F. (M)
Troetschel, W. O. (M)
Tyrrell, R. A. (A)
Usim, W. (M)
Vermon, F. C. (M)
Wallis, D. W. (M)
West, R. A. (M)
West, R. A. (M)
West, R. A. (M)
Whiteley, R. B. (SM)
Whiteley, R. B. (SM)
Whiteley, R. B. (SM)
Wilkins, W. H. (M)
Wilkins, W. H. (M)
Wilkins, W. H. (M)
Wilkins, W. F. (M)
Wilkins, W. F. (M)
Viund, J. H. (M)
Ziegler, F. W. (SM)

Sun Valley (LA-SF-7)
Abbev. C. R. (M)
Crystal, D. G. (A)
Frieburg. H. E. (A)
Gold. C. H. (M)
Grossman. M. B. (M)
Johnson. C. E. (M)
Maryoold, G. E. (A)
Stoehr, W. F. (M)

Sylmar (LA-SF-7)
Hallquist, G, W, (M)
Hill, J, E, (M)
Hughes, W, R, (SM)
Jones, J, M, (A)
Raines, O, E, (A)
Smith, N, J, (A)
Vanderford, W, H, (A)

Talioe Valley (SAC-7) Tucker, M. (M)

Tarzana (LA-SF-7)
Adams, E. S., Jr. (A)
Admosoio, B. F. (M)
Anderson, H. R. (SM)
Bartlome, R. D. (A)
Beck, G. R. (SM)
Berson, R. S. (M)
Berson, R. S. (M)
Brown, N. M., Jr. (M)
Brown, N. M., Jr. (M)
Browner, R. H. (SM)
Chesebro, E. L. (M)
Connor, J. A. (SM)
Dadant, P. M. (M)
Debaun, J. R. (A)
De Lano, R. H. (SM)
Dickinson, G. R. (M)
Favors, H. A. (SM)
Felsman, W. O. (M)
Gion, J. A. (A)
Hodsson, R. W. (SM)
McVev, I. M. (M)
Means, P. S. (M)
Pierson, K. E. (SM)
Porter, J. H. (SM)
Rozas, F. (M)
Rozas, F. (M)

Torrance (LA-7)
Alioka, J. S. (M)
Akin, P. A. (M)
Barker, L. H. (SM)
Beneteau, B. A. (M)
Biddle, J. M. (M)
Biddle, J. M. (M)
Bolton, M. W. (A)
Bostos, R. A. (M)
Bowlus, M. A. (M)
Broman, M. D. (M)
Chankin, H. M. (A)
Chaolin, R. G. (M)
Cole, C. C. (M)
Colina, F. L. (M)
Cole, C. C. (M)
Colina, F. L. (M)
Colina, F. L. (M)
Colina, F. L. (M)
Colina, F. L. (M)
Cover, C. C. (M)
Colina, R. G. (M)
Cover, L. H., Jr. (A)
Crovts, H. W. (M)
Dizinno, R. E. (M)
Edereton, A. (A)
Elkera, J. V. (M)
Elkin, H. S. (A)
Elkera, J. V. (M)
Fidel, W. H. (A)
Fidel, W. H. (A)
Fidel, W. H. (A)
Fidel, W. H. (A)
Field, F. W. (M)
Fonel, R. L. (SM)
Forster, D. C. (M)
French, H. M. (M)
Frith, L. O. (M)
Frith, L. O. (M)
Galindo, V. (M)

Grigas, R. W. (M)
Gustason, E. R., Jr. (M)
Hakala, P. E. (M)
Harmon, W. G. (A)
Hartzell, W. M. (M)
Henderson, M. C. (M)
Hewltt, E. W. (M)
Heyliger, G. E. (M)
Hom, H. K. (A)
Hom, H. K. (A)
John, R. P. (A)
John, H. K. (A)
John, H. K. (A)
John, H. K. (A)
John, H. K. (A)
John, H. (M)
Jessen, W. E. (A)
Jicha, A. J. (A)
Judge, H. (M)
Keach, B. C. (M)
Moson, C. D. (M)
Mohamar, T. F., Jr. (A)
Low, H. (M)
Mason, C. D. (M)
Martin, D. P. (M)
Martin, D. P. (M)
Martin, W. W. (A)
Mathenv, L. E. (M)
McCarth, J. W. (M)
McCorb, B. J. (M)
McCorb, B. J. (M)
McCorb, B. J. (M)
McCorb, B. J. (M)
McCorb, B. R. (M)
Mehler, J. R. (A)
Meronek, D. F. (M)
Mills, R. A. (M)
Mohler, R. C. (M)
Noris, R. M. (M)
Nussbaum, O. N. (A)
Oliver, J. R. (M)
Noris, R. M. (M)
Stablen, S. R. (M)
St. John, D. E. (SM)
Saunders, S. R. (M)
Sckinverm, K. D. (M)
Sillence, N. C. (M)
Sillence, N. C. (M)
Sillence, N. C. (M)
Sillence, R. C. (M)
Stephenson, R. O. (M)
Trew, J. W. (A)
Trumbo, D. E. (A)
Ubberman, S. (M)
Wisterstorm, R. L. (M)
Wisterstorm, R. , Jr. (M)

Taylorsville (SAC-7) Wilson, R, P, (A)

Temple City (LA-P-7)
Balling, R. A. (M)
Canonic, K. D. (M)
Snykers, A. B. (M)

Thousand Oaks (LA-B-7)
Albone, N. G. (M)
Nelson, R. S., Jr. (M)

Topanga (LA-SF-7)
Jacobson, A. D. (M)
Stephenson, H. B., Jr. (A)
Young, R. G. (A)

Tracy (SAC-7) Albertson, W., R. (A)

Travis AFB (SF-7) London, R. E. (A)

Treasure Island (SF-7) McCarley, H, H, (SM)

Tujunga (LA-SF-7)
Aziz, R. A. (M)
Gannon, M. T. (SM)
Honey, F. J. (M)
Kreuder, N. L. (SM)
Kruse, R. C. (M)
Marcv, W. J. (A)
PIlkington, W. C. (SM)
Ure, G. R. (A)
Walcek, E. J. (M)
Wills, R. V., Jr. (M)

Tustin (LA-SA-/)
Cavness , R , L , (A)
Crawford , V , L , (M)

Davis, R. (SM)
De Bord, M. J. (A)
Dorsett, J. W., Jr. (M)
Isaac, K. N. (M)
Jay, H. A. (SM)
Kamsler, W. F. (SM)
McQuiston, W. R. (SM)
Ryland, M. E. (A)
Samoson, W. F. (SM)
Sublett, C. R. (M)
Temple, F. J. (SM)
Umlauf, E. W. (M)
Woods, E. L. (A)
Zurn, J. T. (M)

Twenty-Nine Palms (LA-OB-7) Fitzgerald, B. P. (M) Haves, R. W. (M) Smith, E. F. (M)

Upland (LA-OB-7)
Hardin. C. A. (M)
Hemov. R. L. (M)
Hitchcock. R. W. (M)
Smith. R. E. (M)
Stokes. L. C. (M)
Takenaka. G. (M)
Watkins. E. L. (SM)
Whitcomb, L. A. (M)

Vacaville (SAC-7) Carroll. J. C. (A) Young, C. W. (M)

roung, C. W. (M)

Vallelo (SF-7)
Andrews, B. H. (M)
Decker, K. M. (M)
Ekstrand, P. A. (SM)
Elam, E. M. (M)
Hartman, A. G. (M)
Kalamaras, G. A. (A)
Lenihan, J. E. (A)
Ricketts, D. B. (M)
Traver, J. W. (A)
Uston, J. W., Jr. (M)
Watson, A. R. (M)

Valley Center (SD-7) Newburgh, H. (M)

Vandenberg AFB (LA-SB-7)
Boggess, J. W. (A)
Dobbs, W. (A)
Haulboskv, W. B. (A)
Heidden, B., Jr. (M)
Herman, R. E., Jr. (M)
Luce, R. R. (M)
Madson, G. A. (M)
Moore, E. F. (M)
Nav, J. N. (M)
Nickel, W. (M)
Nielson, R. W. (M)
Poulson, W. A. (M)
Reed, R. C. (SM)
Schmidt, H. W. (A)
Williams, R. O. (M)
Zazulak, R. R. (M)

Zazulak, R. R. (M)

Van Nuvs (LA-SF-7)
Abstein. H. T. Jr. (M)
Anderson. G. R. (M)
Anderson. G. R. (M)
Banes. G. A. Jr. (M)
Banes. G. A. Jr. (M)
Berker. J. T. (M)
Berker. J. T. (M)
Berker. J. T. (M)
Bends. E. L. (M)
Blaine. R. F. (A)
Blancher. D. W. (M)
Bood. J. C. (A)
Brechwald. R. D. (M)
Brockwav. W. W. (SM)
Chase. L. R. (M)
Cohen. J. E. (M)
Cohen. J. J. (M)
Ever. J. (M)
Davis. S. W. (M)
Davis. S. W. (M)
Davis. S. W. (M)
Davis. S. W. (M)
Davis. J. W. (M)
Davis. J. W. (M)
Entin. A. J. (M)
Ericson. C. W. Jr. (M)
Elwer. H. G. (A)
Farlev. E. J. (SM)
Fives. J. J. (M)
Gilbert. H. L. (A)
Goda. O. S. (A)
Goldbera. J. J. (M)
Gilbert. H. L. (A)
Goda. O. S. (A)
Goldbera. J. J. (M)
Gilbert. H. C. (A)
Hemolina. N. G. (M)
Harmond. J. R. (A)
Hermilina. N. G. (M)
Hirschfield. G. A. (M)
Hirschfield. G. A. (M)
Hirschfield. G. A. (M)
Hoffman. W. C. (M)

KIrk, R. A. (M)
Klein, M. L. (SM)
Klemens, W. P. (SM)
Korson, I. (M)
Krause, W. P. (SM)
Korson, I. (M)
Krause, W. B. (M)
Locus, S. S. (SM)
Lvoick, E. Jr. (SM)
Lvoick, E. Jr. (SM)
Lvoick, E. Jr. (SM)
Lvoick, E. Jr. (SM)
Malcolm, L. (SM)
Malcolm, L. (SM)
Malcolm, R. A. (A)
Mann, M. (M)
Maroulin, A. R. (SM)
Maroulin, A. R. (SM)
Maroulin, A. R. (SM)
Moroulin, A. R. (SM)
Nelson, R. M. (M)
Nilesen, D. B. (A)
Ohrenstein, S. M. (M)
Nelson, R. M. (M)
Nelson, R. M. (M)
Nelson, R. M. (M)
Nelson, R. M. (M)
Parker, W. H. Jr. (SM)
Parker, W. H. Jr. (SM)
Pastor, G. J. (M)
Rosenman, L. (M)
Rosenman, L. (M)
Stevart, C. (M)
Savorv, W. A. (M)
Stevart, C. (M)
Simith, J. E. (SM)
Simulth, J. E. (SM)
Simulth, J. E. (SM)
Simulth, J. C. (M)
Simulth, J. C. (M)
Viscon, R. B. (SM)
Van Enden, B. M. (A)
Vanous, P. J. (M)
Washeer, M. F. (A)
Walker, P. B. (SM)
Wallick, W. L. (M)
Wasterin, J. I. (M)
Wasterin, J. I. (M)
Wiston, R. A. (M)
Wilson, R. A. (M)

Venice (LA-7)
Beerman, S. D. (A)
Bekey, G. A. (M)
Damon, N. E. (M)
Elder, C. B. (A)
Engels, L. H. (A)
Force, D. C. (M)
Ganstwing, M. (SM)
Gurley, J. G. (M)
Howard, G. L. (A)
Husglins, W. G. (M)
Leish, J. (M)
Noda, M. (M)
Redey, J. F. (M)
Roberts, A. N. (M)
Wayment, K. D., Jr. (M)

Ventura (LA-B-7)
Andersen, J. F. (M)
Amold, W. F. (M)
Baugh, H. W. (M)
Bermhardt, E. C. (M)
Bram, R. M. (M)
Browning, R. A. (M)
Case, D. M. (M)
Dember, A. B. (A)
Doss, D. R. (A)
Focke, A. B. (SM)
Hauselman, K. R. (M)
Hudson, R. (A)
Kirch, J. H. (A)
La Plante, O. (SM)
Larey, B. W. (A)
Lash, J. R. (A)
Leioer, J. H. (M)
Mack, P. H. (A)
Markell, J. H. (SM)
Markell, J. H. (SM)
Modityer, R. D. (A)
Newman, D. B. (SM)
Quan, H. L. (M)
Shellabaroer, J. N. (M)
Shellabaroer, J. N. (M)
Show, R. B. (M)
Sturm, T. F. (SM)
Tauchert, L. C. (M)
Timm, J. D. (A)
Timmerman, H. A. (SM)
Weidemann, H. K. (M)
Weidemann, H. A. (SM)
Weidemann, H. A. (SM)
Weidemann, H. R. (M)
Williams, R. G. (M)
Ziegler, T. A. (M)

Victorville (LA-0B-7) Galyean , M , W , (A) Wolf , J . E , (M) Visalia (SF-7) Eklund, M.H.(M) Sheehan, R.P.(M)

Vista (SD-7) Conrad, R.A.(M)

Walnut Creek (SF-EB-7)
Chase, R. C. (M)
Coakley, T. P. (M)
Elsken, R. H. (M)
Eukel, W. W. (M)
Graham, R. H. (M)
Hartwin, E. C. (SM)
Horton, M. C. (M)
Mitchell, J. R. (M)
Sterne, K. E. (A)
Van Ness, H. W. (SM)

Watsonville (SF-7) McClure, D.E.(M)

West Covina (LA-OB-7)
Abramis, D. (M)
Allen, J. R. (M)
Allent, J. R. (M)
Barr, H. J. (SM)
Barr, H. J. (SM)
Bass, J. W. (M)
Bass, J. W. (M)
Bethard, C. T. (M)
Bickhard, C. T. (M)
Brown, R. E. (A)
Brown, W. A. (A)
Delaney, H. J. (M)
Dickev. R. G. (M)
Fithian, D. H. (M)
Garcia, G. (A)
Giser, H. W. (A)
Gore, M. R. (M)
Garcia, G. (A)
Giser, H. W. (A)
Gore, M. R. (M)
Grantham, G. W. (M)
Hotchkin, E. E. (M)
Jacobs, H. M. (M)
Johnson, H. A. (SM)
Kemp, G. H. (M)
Kemp, G. H. (M)
Nemp, G. H. (M)
Nemp, G. H. (M)
Nestlerode, C. C. (M)
Ming, D. L. (M)
Mulvey, J. A. (A)
Nadel, L. (M)
Nastlerode, C. D., Sr. (M)
Samson, J. C. F. (M)
Samson, J. C. F. (M)
Semer, C. W. (M)
Shaffer, A. (M)
Steinback, E. A. (M)
Swain, L. D. (A)
Taylor, A. D. (A)
Taylor, A. D. (A)
Taylor, A. A. (M)
Tucker, M. C. (M)
Wells, M. A. (M)
Wells, M. A. (M)
Wells, M. A. (M)
Wells, M. A. (M)
Winner, R. J. (M)

West Los Angeles (LA-7)
Bottomley, R. O. (M)
Byrne, D. A. (A)
Chanman, D. M. (M)
Cohn, R. M. (M)
Drucker, A. N. (M)
Glazer, C. R. (M)
Kelly, D. H. (M)
Maxfield, R. C. (M)
Mizell, M. H. (SM)
Nakayama, H. (M)
Neudorfer, W. L. (M)
Pearce, P. F. (M)
Pearce, P. F. (M)
Reed, R. A. (M)
Reed, R. A. (M)
Rockey, R. J. (M)
Smith, M. V. (A)
Weed, G. E. (M)
Weeld, G. E. (M)
Wright, E. C. (M)

Westmorland (SD-7)
Boyer, M.J.(A)
Johnson, R.L.(M)
Kurlinski, R.L.(A)
Stout, D.J.(M)

West Sacramento (SAC-7) Fuller, G. R. (A)

West Van Nuys (LA-SF-7) Corbin, G. C. (A)

Whittier (LA-SA-/)
Amendt, L. E. (MO
Anderson, D. B. (MO)
Antista, B. A. (MO)
Bashore, C. E. (A)
Becker, W. C. (MO)
Blaski, M. F. (A)
Bowman, J. Y. (MO)
Boyer, R. J. (MO)
Breece, R. C. (MO)
Brown, H. R., Jr. (SM)
Carroll, W. P. (MO)
Corley, C. F. (MO)
Darlination, H. T., Jr. (MO)
Dawnport, C. M. (MO)
Gillings, J. W. (MO)
Gow, K. P. (SM)

- 469 - COLORADO

Hall, C, R, (M)
Harriman, D, E., Jr, (SM)
Hodge, J, (M)
Hoffmann, H, J, (M)
Hoffmann, H, J, (M)
Homes, E, A., III (SM)
Hooper, G, E, (M)
Jackson, M, O, (A)
Jenninas, B, R, (M)
Kent, S, S, (M)
Kleinboler, B, A, (SM)
Kleininger, L, H, (SM)
Kleininger, L, H, (SM)
Kleininger, L, H, (SM)
Lanzinger, D, J, (M)
Lanzinger, D, J, (M)
Lanzinger, D, J, (M)
Lockhart, E, H, (M)
Lucero, R, C, (M)
Martin, P, W, (M)
McClure, L, W, (SM)
McGaffey, H, F, (M)
McMody, R, E, (M)
Miller, J, F, (M)
Moody, R, E, (M)
Miller, J, F, (M)
Moody, R, E, (M)
Munsey, C, J, (M)
Nilsson, W, P, (M)
O'Brien, E, J, (SM)
Ontiveros, P, C, (SM)
Overton, C, B, (M)
Parker, N, F, (A)
Polder, J, H, (M)
Randalt, G, M, (A)
Reed, R, C, (A)
Sawart, C, A, (M)
Sawart, C, A, (M)
Simkins, E, D, (M)
Stemer, J, F, (SM)
Schnidt, F, W, (SM)
Stemer, J, F, (SM)
Stemer, J, F, (SM)
Ticc, A, R, (SM)
Ticc, A, R, (SM)
Tico, A, R, (SM)
Ticon, C, J, (M)
Timan, E, L, (M)
Triman, E, L, (M)
Yorie, I, N, (VA)
Wanner, E, J, (M)
Yetter, W, P, (A)
Zemenick, C, J, (A)
Zoller, C, J, (M)

Winnetka (LA-SF-7) McAfee , P . (M)

Woodland Hills (LA-SF-7)
Anderson, T. J. (SM)
Armer, P. (M)
Bendar, J. A. (M)
Blatchford, D. (A)
Brown, R. J. (A)
Cervini, R. A. (A)
Cervini, R. A. (A)
Crowe, J. W. (M)
Crinklaw, R. H. (M)
Crowe, J. W. (M)
Davis, K. A. (A)
Davis, M. R. (M)
Davis, M. R. (M)
Davis, M. R. (M)
Edwards, J. N. (M)
Edwards, J. N. (M)
Edwards, J. N. (M)
Edwards, J. N. (M)
Foncier, R. E. (M)
Foncier, R. E. (M)
Foncier, R. E. (M)
Foncier, R. E. (M)
Halloran, R. G. (M)
Harlison, J. F. (M)
Harrison, W. H. (M)
Hirschi, L. (M)
Inquestoll, E. R. (SM)
Kanze, A. J. K. (M)
Kouba, J. T. (M)
Lamb, W. X., Jr. (M)
Novers, J. J. (M)
Novers, J. J. (M)
Novers, J. J. (M)
Novers, J. J. (M)
Covers, J. J. (M)
Covers,

Summerfield, A., R. (A)
Tetherow, R. C. (M)
Tinney, P. (SM)
Udry, J. J. (SM)
Van Bemmelen, H. M. (M)
Van Groos, J. C. (SM)
Wanlass, C. L. (A)
Williams, F. K. (SM)
Wilson, K. M. (M)
Woodson, W. L. (M)

Woodside (SF-7)
Abramson, N. M. (M)
Braccini, S. M. (A)
Eitel, W. W. (F)
Eldredge, A. L. (SM)
McAulay, W. H. (M)
Seaman, W. E. (M)
Smith, H. W., Jr. (M)
COLORADO

Akron (DEN-6) Cooley, H. M. (A)

Arvada (DEN-6)
Johler, J., R. (SM)
Longhart, C. C. (M)
Robertson, A. L. (M)
Sargent, R. E. (A)
Spano, A. J. (A)

Aurora (DEN~6) Fredricks , I , E , (M) Vertrees , J , D , (A)

Boulder (DEN-6)
Allred, C. M. (M)
Anolegate, C. J. (M)
Barclay, C. (A)
Barclay, C. (A)
Barclay, C. (A)
Barclay, C. (A)
Barsis, A. P. (M)
Bears, F. S. (M)
Beaty, R. W. (SM)
Belvent, L. F. (M)
Bervy, I. S. (M)
Bervy, I. S. (M)
Bervy, I. S. (M)
Brown, F. W. (A)
Brown, R. J. (M)
Careev, J. A. (M)
Careev, J. A. (M)
Careev, J. A. (M)
Conda, A. M. (M)
Cook, C. C. (M)
Cook, J. C. (SM)
Cook, J. C. (SM)
Cook, J. C. (SM)
Cook, J. C. (SM)
Davies, K. (M)
Davies, K. (M)
Davies, K. (M)
Davies, K. (M)
Decker, M. T. (M)
Decker, M. T. (M)
Decker, M. T. (M)
Froudenberg, H. O. (A)
Gatterer, L. E. (M)
George, W. D. (M)
Goble, R. W. (A)
Georde, V. D. (M)
Goble, R. W. (A)
Goreke, V. H. (M)
Hudson, P. A. (M)
Hudson Morana A H (M)
Murahata, S. (M)
Nicoloff, C. C. (M)
Niesen, E. (A)
Norton, K. A. (F)
Ochs, G. R. (M)
Ostrow S M (SM)
Phelns, F P. (A)
Posankony, G. J. (M)

Powell, R. C. (M)
Rathburn, R. H. (M)
Rathburn, R. H. (M)
Reed, D. R. (M)
Rice, P. L. (M)
Rice, P. L. (M)
Rices, F. X. (M)
Schaffer, G. E. (SM)
Schlffmacher, E. R. (M)
Schlffmacher, E. R. (M)
Schlfmacher, E. R. (M)
Schly, M. C. (SM)
Siberstein, R. (SM)
Trembath, C. J. (SM)
Trembath, C. J. (Jr (SM)
Trembath, C. J. (Jr (SM)
Trembath, C. L. J. (M)
Trembath, C. L. J. (M)
Trembath, C. L. J. (M)
Wiesbicke, P. P. Jir (A)
Vogler, L. E. (A)
Wassink, H. W. (M)
Watkins, J. S. (M)
Wilson, A. C. (M)
Wilson, A. C. (M)
Woodward, M. W. (SM)
Woodward, M. W. (SM)
Woorcester, W. G. (SM)

Broomfield (DEN-6) Kemper, J. A. (M) Mulligan, M. A. (A) Peterson, S. B. (M) Webb, R. C. (F)

Colorado Springs (DEN-6)
Adams, C. W. (M)
Behnke, A. O. (SM)
Boland, J. N. (M)
Bretthauer, L. G. (M)
Dillon, J. R. (SM)
Donecon, R. E. (M)
Gallagher, J. J. (M)
Gardner, O. K. (M)
Green, L. V. (A)
Holmaren, W. A. (M)
Howard, W. G. (M)
Howell, H. R. (M)
Kuehn, R. J. (M)
Kyer, F. E. (A)
Linke, K. W. (A)
Moonev, R. E. (M)
Moonev, R. E. (M)
Mosh, H. F., Jr. (M)
Quinn, T. J. (A)
Quirk, W. J. (A)
Russell, J. D. (M)
Rynnina, J. L. (M)
Singer, L. M. (M)
Thomas, D. H. (A)
Uhrhane, F. F. (SM)
Victoreen, J. A. (SM)
Wilson, L. H. (M)
Denver (DEN-6)

Denver (DEN-6)
Ackworth, D. L. (M)
Adams, E. L. (M)
Alen, M. A. (M)
Allen, M. A. (M)
Allen, M. A. (M)
Bachman, M. N. E. (M)
Ballay, A. (SM)
Barmett, B. E. (M)
Barmett, R. H. (M)
Beaver, H. E. (M)
Betram, S. (SM)
Bills, E. S. (M)
Bills, E. S. (M)
Bishon, H. L. JT. (M)
Boardman, J. L. (M)
Boardman, J. L. (M)
Bowen, R. C. (M)
Bowen, R. C. (M)
Bowen, R. C. (M)
Cabon, M. C. (M)
Cateron, J. V. (M)
Cateron, J. V. (M)
Clark, L. R. (SM)
Clawson, L. F., JT. (A)
Cole, A. E. JT. (A)
Coler, R. R. (M)
Cotterol, D. E. (M)
Cotterol, D. E. (M)
Cotterol, D. E. (M)
Cotterol, D. E. (M)
Davis, J. R. (A)
Detwiler, W. L. (M)
Davis, J. R. (A)
Detwiler, W. L. (M)
Dosch, E. L. (M)
Dosch, E. L. (M)
Dorry, S. F., Jr. (M)
Dosch, E. L. (M)
Drury, S. F., Jr. (M)
Dorry, S. F., Jr. (M)
Dorry, S. F., Jr. (M)
Drury, S. F., Jr. (M)

Farrell, J. W. (M)
Farrell, R. J. (A)
Ferketich, G. (A)
Finado, F. H. (M)
Flaharty, C. L. (A)
Fleming, C. W. (A)
Fleming, C. W. (A)
Fleming, C. W. (A)
Fleming, C. W. (A)
Foloy, W. V. (SM)
Frank, J. L. (A)
Founa, C. (M)
Guida, C. P. (M)
Guida, C. P. (M)
Guida, C. P. (M)
Guida, C. P. (M)
Hall, A. C. (F)
Harrison, J. L. (M)
Hart, W. G. J. L. (M)
Hart, W. G. J. L. (M)
Hedrick, W. M. (M)
Hodson, J. L. (M)
Hodson, J. L. (M)
Houseuo, J. W. F. (M)
James, V. N. (SM)
Johnson, H. S. (A)
Just, G. D. (A)
Xardos, M. (M)
Keninedy, J. F. (J, (A)
Knight, S. J., Jr. (M)
Kooh, R. C. (M)
Labhart, W. E. (A)
Knight, S. J. Jr. (M)
Maer, C. M. Jr. (A)
Messler, F. J. (M)
Meyer, D. E. Jr. (M)
Milburn, D. L. (M)
Milburn, D. L. (M)
Mirster, C. W. (M)
Morrissev, T. G. (SM)
Morrissev, T. G

Englewood (DEN-6)
Brownell, F. P., Jr. (A)
Cobbs, D. M. (M)
Dachtler, F. E. (A)
Davidson, R. L. (A)
DIngman, E. H. (M)
Finch, M. D. (M)
Greene, J. F. (A)
Hecksel, W. (M)
Hilleary, H. W. (A)
Hyde, R. A. (A)
Jones, W. G. (M)
LaVin, J. F. (A)

Masters, M. R. (A)
Mueller, A. G. (A)
Plantz, V. C. (M)
Richers, L. (A)
Skeels, H. V. (A)
Sprengeler, D. F. (M)
Thaxton, H. A. (M)

Ent AFB (DEN-6) Kofler, E. J. (M)

Fort Carson (DEN-6) Kilmer, D. E. (A)

Fort Collins (DEN-6)
Britton, C. C. (SM)
Budak, A. (M)
Davis, I. F. (M)
Dean, J. E. (M)
Ebner, G. A. (A)
Faris, J. J. (M)
Hagen, H. H. (M)
Terman, T. A. (M)

Fort Morgan (DEN~6) Doggett , J , W , (A) Zambo , J , W , (M)

Gardner (DEN-6) Samborn , R , H , (M)

Glenwood Springs (DEN-6) Baker, B. Z. (A)

Golden (DEN-6)
Coors, J. (A)
Fletcher, H. E. (SM)
Hoover, D. B. (A)
Maras, R. G. (M)
Vislisel, R. L. (A)

Grand Junction (NFN-A) Howell, R. G. (SM) Lawton, K. G. (A) Mc Cormick, C. E. (A) Van Houten, R. G. (M)

Greeley (DEN-6)
Baiamonte, F. L. (A)
Leiter, W. R. (A)
Stewart, S. J. (A)

Lakewood (DEN-6) Cook, G. V. O. (M) Daniels, R. G. (M) Woodard, H. L. (A)

Littleton (DEN-6)
Ayre, T. P. (M)
Beckley, T. L. (M)
Bender, E. R. (M)
Berliner, H. J. (A)
Bliss, W. R. (M)
Bradina, A. J. (M)
Bradina, A. J. (M)
Bradinael, M. V. (M)
Bradinael, M. V. (M)
Clausen, R. H. (SM)
Clausen, R. H. (SM)
Cleveland, W. C., Jr. (SM)
Clousen, R. M. (A)
Danget, C. C. (M)
Davis, V. M. (SM)
Douglass, W. D., Jr. (M)
Douglass, V. M. (SM)
Douglass, V. M. (SM)
Eldridge, A. J. (SM)
Foster, F. L. (A)
Golding, L. N. (M)
Grassia, C. C. (M)
Grassia, C. C. (M)
Hughes, E. S. (A)
James, D. C. (SM)
Janusz, J. S. (A)
Jensen, H. R. (M)
Jones, E. R., Jr. (A)
Kaaz, F. W. (M)
Marleza, D. S. (A)
Maxwell, T. M., Jr. (SM)
Perrin, B. J. (M)
Perrin, B. J. (M)
Schaffer, H. G. (M)
Schafer, H. G. (M)
Schaffer, H. (M)
Schaffer, H. G. (M)
Schaffe

Longmont (DEN-6) Davis, R.L.(M) Grant, W.B.(M)

Loveland (DEN-6)
Davis, B.E. (SM)
Follmer, G.C. (A)
Kelley, E.K. (SM)

Pueblo (DEN-6) Scheafer, R. C. (M)

Salida (DEN-6) Stout , J . E . (A)

Sterling (OFN-6) Henderson, F. R. (A)

on (DEN-A) Rothman, H. L. (A)

Westminster (DFN-6) Dougherty, H. T. (M)

Wheat Ridge (DEN-6) ear Kidge (DEN-6)
Forsman, E. H. (M)
Haase, A. H. (A)
Howard, R. E. (A)
Marshall, G. B. (M)
Whitcomb, J. P. (M)
Yost, H. T. (A)

CONNECTICUT

Andover (CON-1) Anson, Y. (A)

Ansonia (CON-1) Wailionis, R.J. (A)

Avon (CON-11) Boehm, A. R., Jr. (M) Bussolini, J. J. (M)

Bethel (CON-F-1) Briscoe, F. J. (M)
Pearlman, L. S. (M)
Tuska. J. W. (M)
Warner, F. C. (M)

Bloomfield (CON-I) omteid (CON-I)
Gillie, A. C. (M)
Hall, G. M. (M)
Hendrickson, H. S. (A)
Norkin, H. (M)
Von Kummer, F. G. (M)
Wasem, E. F. Jr. (M)
Whitney, D. J. (M)

rvasem, E.F. Jr. (M)
Whitney, D. J. (M)
Whitney, D. J. (M)
Bridgeport (CON-F-1)
Autuori, V. A. (M)
Calvert, T. J. (M)
Duncan, E. T. (M)
Evans, R. E. (M)
Hettinger, M. (A)
Jensen, H. T. (A)
Jones, J. O. (M)
Koch, R. L. (M)
Kocsor, J. A. (A)
Kosowsky, L. H. (M)
Krok, T. J. (M)
Lapinski, C. S. (A)
Lemkin, H. J. (A)
Lewis, J. G. (M)
Mikusky, C. J. (M)
Nelson, R. A. (M)
Rosenberg, H. A. (A)
Silverstone, D. M. (M)
Vinguist, R. T. (M)
Ziller, M. A. (A)
stol (CON-1)
Jones

Bristol (CON-1)
Jones, M. C. (M)
Kavanaugh, R. J. (M)
Nelson, A. B. (SM) Piantoni, G. L. (M)
Scherff, L. S. (M)
Snowdon, A. E. (SM)
Vaughan, E. W. (SM)

Broad Brook (CON-1) Lutz, C. H. (SM) Yamron, J. (M)

Brookfield (CON-F-1) Gordon, T. M., Jr. (M)

Brooklyn (CON-1) Halford, J. H. Jr. (M) Vroom, E. (SM)

Byram (CON-F-1) Rorant, J. H. (A)

Canaan (CON-1) Wildenberg, H.I.(M)

Canton (CON-1) Whitney, C.A.(M)

Central Village (CON-1) Poremba, J. J. (M)

Cheshire (CON-1) Shire (CON-1)
Grebe, A. H. (M)
Hines, J. E. Jr. (A)
Hoffmann, G. O. (A)
Perrins, A. R. (M)
Rhein, G. W. (M) Thomas, A.R. (A) Warren, R.E.(M)

Colchester (CON-1) Steg , R . C . (A)

Cos Cob (CON-F-1) Bukowski, C.P. (M) Fingerle, W. Jr. (SM) Cromwell (CON-1) Swetz, T. J. (A)

Danbury (CON-F-1) bury (CON-F-1)
Arendt, E. J. (A)
Ashford, C. R. (A)
Boesch, A. H. (A)
Breden, W. W. (M)
Campbell, C. A. (M)
Concelman, C. W. (M)
Estelle, W. E. (M) Estelle, W. E. (M)
Henriques, J. B. (M)
Johns, N. H. (M)
Lowy, M. A. (SM)
Moran, J. H. (A)
Olta, W. R. (M)
Ott, O. J. (M)
Payne, M. P. (SM)
Quattrocchi, V. F. (A)
Runyan, R. A. (M)
Schatzle, F. D. (A)
Schmidt, E. (M) Van Valkenburg, H.E.(M) Webb, R.H.(M) Willey, F.G.(M)

ien (CON-F-1)
Bartram. J. F. (M)
Bowley, R. J. (M)
Bozak, R. T. (SM)
Flower, G. Jr. (A)
Goodnow, A. C. (VA)
Hubbard, E. S. (M)
Kunkel, B. M. (M)
Mac Gregor, R. R. (M)
Mack, C. L. (M)
McElrath, G. (F)
Moffat, W. H. (SM)
Savoca, R. C. (A)
Smith, P. B. (A)
Townsend, R. (SM) Darlen (CON-F-1) Townsend, R. (SM)

Deep River (CON-1) Desnoyers, R. W. (M)

Derby (CON-I) Clark, M.C.(M) Keefe, E.M.(M)

Devon (CON-1) O'Connell , P . R . (A)

Durham (CON-1) Schilling, C.R.(M)

East Hartford (CON-1) Aas, H. G. (M)
Anderson, P. G. (M)
Crooks, W. D. Jr. (M)
Gorton, R. E. (A)
Guyton, B. T. (A)
Kemble, T. H. (M)
Main, R. C. (SM) Searle, P.C.(M)

East Hartland (CON-1) Neill, G. W. (M)

East Norwalk (CON-F-1) Hamme, R.D.(M) Vancura, R.A.(M) Warner, E.J.(SM) Yellin, H.(SM)

Easton (CON-F-1) Cummings, C. S. (A)

East Woodstock (CON-1) Dixon, E.O. (SM)

Ellington (CON-1) Jensen, J. (M) McKinney, J. G. (M)

Elmwood (CON-1) Marchese, J. H. (M)

Fabyan (CON-1) O'Brien, B. Jr. (M)

Fairfield (CON-F-1)
Bishop, N. (SM)
Brooks, F. A. Jr. (M)
Dellenbaugh, F. S. (M)
Di Mattla, A. L. (A)
Gilchrist, E. S. (M)
Mitchell, W. F. (A)
Roberts, F. W. (SM)
Stern, P. D. (A)

Forestville (CON-1) Forman, J. (M)

Gales Ferry (CON-1) Dugan, D. J. (M) Dutton, F. L. Sr. (M)

Georgetown (CON-F-1) Lyuta, G. R. (A)

Glastonbury (CON-1) stonbury (CON-1)
Humohrev, C. D. (
Miller, R. A. (M)
Speed, D. K. (M)
Swain, R. S. (M)
Taylor, D. S. (M)
Waterman, A. (M)

Glenbrook (CON-F-1) Edmondson, R. H. (SM) Lewis, S. M. (M) Wadhams, S. C. (M)

Granby (CON-1)
Brockett, R. I. (A)
White, J. A. (M)

Greenwich (CON-F-1) enwich (CON-F-1)
Anderson, W. C. (S.M)
Burroughs, G. (M)
Fetherolf, J. M. (M)
Haanstra, J. W. (M)
Hallenbeck, R. A. (M)
Hollywood, J. M. (SM)
Kimes, R. A. (SM)
Mailory, H. R. (SM)
Marchand, N. (SM)
Michel, P. C. (SM)
Michel, P. C. (SM)
Mills, C. A. (M)
Morse, J. L. (M)
Peterson, E. F. (M)
Petrucelly, V. J. (M)

Groton (CON-1)
Blaisdell, K. L. (SM)
Bowes, H. N. (SM)
Bowlby, R. E. (A)
Comiskey, J. M. (M)
Davison, E. F. (M)
Oolan, O. F. (M)
Latham, W. S. (M)
Mali, P. (M)
Martinson, C. D. (A)
Matthews. C. I. (A)
Rose, A. E. Jr. (M)
Stephanz, G. H. (M)
Watkins, F. T. Jr. (M)

Guilford (CON-1)

Fisher, E. H. (M)

Hamden (CON-1)

Bogan, S. C. (M)

Davidson, R. B. (A)

Ficker, S. J. (M)

Goclowski, C. F. (M)

Goldenthal, S. (M)

Hewitt, C. D. (M)

Howey, D. P. (A)

Light, R. J. (M)

Lyons, W. J. J. (M)

Mapes, T. J. (A)

McNamara, F. T. (M)

Ouackenbush, E. C. (A)

Reich, H. J. (F)

Smith, R. E. (A)

Smoko, J. F. (A)

Stancliff, V. A. (M)

Temple, L. M. (SM)

tford (CON-1)
Black, J. E. (M)
Boak, I. S. (M)
Britton, R.C. (A)
Britton, R.C. (A)
Broderick, H. M., Jr (M)
Coleman, G. A. (A)
Doolittle, F. M. (F)
Dorschue, H. A. (SM)
Dungan, L. B. (M)
Hettinger, S. (M)
Hettinger, S. (M)
Jarrett, M. A. (A)
Lesanbau, R. F. (M)
Lesinski, L. C. (M)
Mazurkiewicz, R. J. (A)
Moses, S. (M)
Platt, D. R. (SM)
Plakt, D. R. (SM)
Plakt, D. R. (SM)
Plakt, D. R. (SM)
Sapega, A. E. (M)
Shor, N. (M)
Subder, P. (M)
Tuttle, R. W. (M)
Varie, M. M. (M)
Ward, S. I. (A)
Weiseman, D. (A) Ward, S. I. (A) Weissman, D. (A) Wentz, J. L. (A)

Hazardville (CON-1) Kelly, G. E., Jr. (M) Sandelin, M. P. (SM)

Kensington (CON-1) Dickon, A. J. (M)

Kent (CON-1) Ewald, L. H. (M)

Lebanon (CON-1) Smith. A. G. (M) Stocking, M. H. (A)

Litchfield (CON-1) Palmer. H. H. (A) Zurich, W. G. (A)

Long Hill (CON-F-1) Kalser, A. (M)

Manchester (CON-1)
Anton. R. F. (M)
Baker. R. G. (A)
Billimyer. C. M. (M)
Dean. C. M. (M)
Frav. L. L. (M)
Hubbard. R. G. Jr. (M)
Mohr. W. L. (A)
Nicola. R. N. (M)
Russell. A. A. Jr. (M)
Schettler. R. B. (A)

Stanek, W. F. (A) Young, W. H., Jr. (A)

Mansfield Center (CON-1) Preston, R. J. (M)

Meriden (CON-1) Lavin. H. (M) Rettenmeyer. P. F. (M) Wrinn, E. C., Jr. (M)

Middlebury (CON-1) Fulliero, R. (A)

Middletown (CON-1)
Heinzmann. J. D. (M)
Snow. C. A., Jr. (M)
Thompson. L. (SM)
Tucclo. M. S. (A)
Van Dyke, K. S. (F)

Milford (CON-1)
Baldwin, A. L., Jr. (M)
Cutler, L. H. (M)
Lyman, H. T. (SM)
Moffltt, G. R., Jr. (M)

Monroe (CON-1) Tavella, R. P. (A)

Mount Carmel (CON-1) Pagano, E. L. (M)

Mystic (CON-1) Cook. D. R. (M) Kirby. T. H. (SM) Pryor, W. L., Jr. (SM)

Naugatiick (CON-1) Scranton, W. J. (M)

New Britain (CON-1) v Britain (CON-1)
MacMullen, J. H. (M)
Malno, A. G. (M)
Nachilly, John L. (M)
Sienklewicz, H. S. (A)
Tabor, S. A. (A)

New Canaan (CON-F-1) v Canaan (CON-F-1) Bancroft, C, (A) Benedict, T, W, (M) Castle, D, H, (SM) Conron, G, F, (M) Conron, W, H, (SM) Corron, W. H. (SM) Frame, N. R., Jr. (M) Johnson, J. K. (F) Lebel, J. D. (M) Offenhauser, W. H., Jr. (A) Raviola, C. (M) Sutherland, E. F. (A) Walker, J. B. (M) Weeks, J. T. (A)

New Haven (CON-1)
Beramann. H. M. (M)
Bradlev. K. M. (A)
Breit. G. (F)
Bridses. W. S. (A)
Bucksbaum. J. L. (A)
Cannon. J. F. (M)
Carlson. E. F. (M)
Chirnitch J. M. (M)
Conrad. A. G. (SM)
Cunnindham. W. J. (M)
Curlis. R. C. (SM)
Genera. V. A. (A)
Grew. L. B. (SM)
Hall. B. A. (M)
Henry. H. E. (M)
Hon. E. H. G. (M)
Izenour, G. C. (M)
Izenour, G. C. (M)
Izenour, G. C. (M)
Izenour, G. C. (M)
Robert S. (M)
Mary. J. (M)
May. J. C. (SM)
Merriam. S. W. (A)
Murray. G. J. Jr. (M)
Ordung. P. F. (F)
Rohloff. H. E. (SM)
Rubin. H. B. (VA)
Rubin. H. B. (VA)
Ruchkin. D. S. (M)
Schultheiss. P. M. (M)
Schulth

NewIngton (CON-1)
BIHarz. O. W., Jr. (A)
BIIss. P. (SM)
Cenci. A. A. (M)
Lewczyk. E. A. (M)
Wellock, R. R. (M)

New London (CON-1)
Adams, W, S, (M)
Angel, F, F, (A)
Calabrese, J, F, (M)
Desmond, W, C., Jr, (M)

Gannon. E. C. (M)
Hazard. W. R. (M)
Hoao, J. B. (SM)
Horton. J. W. (F)
Ide. J. M. (SM)
Menard. M. E. Jr. (M)
Miller. K. K. (M)
Mullarkev. W. E. (M)
Nash. H. E. (SM)
Newlin. T. G. (A)
Relsner, G. H. (M)
Ruble. H. E. (SM)
Shaver. F. W. (M)
Sussman. H. (SM)
Turner. R. W. (M)
Wardle. W. F. (M)
Worlett, R. S. (SM)

New Milford (C ON-1) Rowley, W. E., Jr. (A)

Newtown (CON-F-I) Finch. W. G. H. (F) Henry, E. A. (M)

Niantic (CON-1)
Bishop, H. M. (M)
Saars, W. F. (M)
Sunega, E. M. (M)
Von Winkle, W. A. (A)
Wilkes, R. C. (A)

Noank (CON-I) Lapenson, S. (M)

Noroton Heights (CON-I) Mason, H. L. (A) Becker, J. P. (M) Horan, J. J. (M)

North Branford (CON-1) Johnstone, P. N. (M)

Northford (CON-1) Baker. R. R. (A) Stone, F. A. (M)

North Haven (CON-1)
Barker. R. C. (M)
Davidson. D. S. (M)
Utting. G. R. (M)
Valley, R. A. (M)

North Stamford (CON-E-I) Doollttle, H. D. (M) Rabin, R. (M)

North Woodbury (CON-1) Petit, F. W. (M)

Pett, F. W. (M)

Norwalk (CON-F-1)
Bar. F. M. (M)
Beattie. J. M. (M)
Bemard, P. (A)
Bertram. J. J. (M)
Bruntlat. W. (A)
Bruntlat. I. M. (M)
Clark. J. L. (SM)
Courchene, E. E., Jr. (M)
Coutermash. L. E. Jr. (M)
Coutermash. L. E. Jr. (M)
Coutermash. L. E. Jr. (M)
Georal. E. A. (M)
Germstad. E. J. (A) Georal, E. A., Jr. (A)
Gettner, D. A. (M)
Grimstad, E. J. (A)
Heinold, E. F. (M)
Kav. M. (M)
Keats, G. H. (M)
Levy, E. Jr. (M)
Mehr, M. H. (M)
Millnowski, A. S. (M)
Miller, E. F. (M)
Miller, T. W. (M)
Mouchnick, P. (M)
Neuman, G. J. (M)
Polak, R. (A)
Poland, W. L. (A)
Pritkin, L. (A)
Rappolt, F. A., Jr. (M)
Rodeers, L. M. (SM)
Russo, J. J. (A)
Scherer, B. L. (M)
Shea, J. E. (M)
Staker, F. A. (A)
Smith, P. J. (M)
Stein, H. S. (M)
Wines, S. S. (M)
Williamson, R. G. (M)
Williamson, C. L. (SM)

Norwich (CON-1) Henry, W. O. (A) Keltonic, F. J. (A)

Oakdale (CON-1) Whannel, R. L. (M)

Old Greenwich (CON-F-I) Fenn. W. W. (M) Fulton, O. H. . Jr. (M) Harrinoton. R. H. . Jr. (M) Harris, J. S. (SM) Janik. C. L. (A) Lott. A. L. (M)

Murphy, J. L. (SM) Palmer, J. H. (A)

Old Lyme (CON-1) Haqlund, B. R. (M) Simoneau, E. P. (M) Webb, H. R. (M)

Old Saybrook (CON-1) McBrian, J. E. (M) Radom, R. (M)

Orange (CON-1)
Jamison, A. F. (M)
Riccio, L. A. (A)
Sandner, C. A. (SM)

Pawcatuck (CON-1) Crandall, C. P., Jr. (M)

Plainville (CON-1) Cutler, M. A. (A)

Plantsville (CON-1) Thayer, O. C. (A)

Poquonnock Bridge (CON-1) Chapman, R. Y. (M)

Portland (CON-1) Pulda, A. H. (A)

Putnam (CON-1) Bernier, E. J. (M)
Bosworth, C. O. (A)
Bove, K. G. (M)
Roller, E. R. (A)

Quaker Hill (CON-1) Coogan, E. A. (M)
Pallange, E. P. (A)
Scannell, E. H., Jr. (A) Sentell, F. N. (M)

Redding Ridge (CON-F-1) Rand, P. S. (SM)

gefield (CON-F-1)
OE Chambrier, P. (M)
Oanuff, M. L. (A)
Oarois, P. F. (A)
Oalois, P. F. (A)
Oelanv, E. B. (M)
Ooll, H. G. (SM)
Edighoffer, E. A. (SM)
Ferre, M. C. (M)
Grant, M. L. (A)
Heller, J. H. (A)
Herina, K. W. (M)
Kurz, K. S. (M)
Miller, G. K. (SM)
Reoloale, F. S., JR. (SM)
Reoloale, F. S., JR. (SM)
Shoaren, J. (A)
Smith, J. S. (M)
Wesley, C. A. (M)
Wesley, C. A. (M) Ridgefield (CON-F-1) Williams, G. C. (A)

Riverside (CON-F-1) Burns, R. F. (A) Oidriksen, J. B. (A) Elfsworth, W. C. (SM) Huckel. O. W. . JR. (A) Rvan. W. R. (M) Unger, J. W. (M)

Rockville (CON-1) Oavids, W. (A) Langdon, O. H. (M) Schneider, R. W. (A)

Rocky Hill (CON-1) Friedman, S. (SM) Meigs, O. H. (M) Warren, J. A. (M)

Rowavton (CON-F-1) Fredrick.R.E..JR. (M) Ramage, W.W. (A)

Roxbury (CON-1) Orake, F. H. (F) Farr, H. K. (SM)

Saugatuck (CON-1) Van Oer Veen, H. (VA)

Seymour (CON-1) Oana, A.S. (SM) Fryncko, P. (M)

Shelton (CON-F-1) A lello . E . M . (M) Zaskali cky , J . J . (M)

Short Beach (CON-1) Maki, C. E. (M)

Simsbury (CON-1) Orle . J. O. (A)
Schulz . H. R. (SM)
Shinn, C. E. (SM)
Somers . B. A. (M)
Wood , R. H. (M)

Southington (CON-1) Perkins , R , W , (A) Raymond , G , H , (SM)

South Norwalk (CON-F-1) Aquie, G. J. (A)

Beltz, G. E. (M)
Benson, K. B. (M)
Caneaa. M. (A)
Oeutsch. H. (A)
Orocusker. B. (A)
Ouncan, H. S. (SM)
Fenauchtv. A. L. (M)
Fiores, I. (SM)
Hartmann, R. G. (M)
Helterline, L. L. JR. (M)
Hess, L. (A)
Karu, L. A. (M)
Kohn, S. T. (M)
Lamb, J. J. (T)
Norton, C. A. (SM)
Randmer, J. A. (SM)
Roblein, B. J. (SM)
Shower, E. G. (SM)
Sittner, W. R. (SM)
Youden, R. H. (A)

Southport (CON-F-1)
Armstrong, C. W. (M)
Bachman, W. S. (F)
Chewning, W. H. (A)
Lack, F. R. (F)
Lowdenstager, J. R. (A)

Lowdenstager, J. R. (A)

Sorinadale (CON-F-11
Bonacci, E. L. (A)
Botti celli, R. A. (M)
Buesler, R. J. (M)
Couch, W. M., JR, (M)
Oion, W. E. (SM)
Gluck, J. (M)
Leferson, J. (A)
Newman, R. W. (M)
Sourck, R. F. (A)
Weden, C. V., Jr. (M)
Yanagisawa, S. T. (SM)

Stamford (CON-F-1)

Immord (CUN-F-1)
Anderson, J. L. (A)
Artuso, N. F. (M)
Avakian, E. A. (M)
Barer, G. W. (M)
Baron, A. (M)
Barer, G. W. (M)
Barin, B. A. (M)
Basim, O. S. (SM)
Baser, B. B. (F)
Branson, N. G. (M)
Brown, W. J. (SM)
Buckles, R. A., Jr. (M)
Choli, W. W. (M)
Choli, W. W. (M)
Couturier, R. A. (M)
Croft, G. T. (M)
Contrier, R. A. (M)
Conft, G. T. (M)
Contrier, R. A. (M)
Contrier, R. A. (M)
Contrier, R. A. (M)
Genson, J. (M)
Farwell, R. P. (M)
Feldner, L. (A)
Flynn, T. F. (M)
Geist, H. J. (SM)
Grayson, G. (M)
Greenwood, I. A., Jr. (M)
Grayson, G. (M)
Greenwood, I. A., Jr. (M)
Halbern, H. S. (M)
Haloen, H. S. (M)
Haloen, H. S. (M)
Haloen, M. L. (M)
Kramer, A. (M)
Kramer, M. H. (SM)
Kramer, A. (M)
Kramer, A. (M)
Kramer, A. (M)
Cotton, R. F. (M)
Kramer, A. (M)
Kramer, A. (M)
Kramer, A. (M)
Cotton, R. F. (M)
Kramer, A. (M)
Cotton, R. F. (M)
Kramer, A. (M)
Cotton, R. F. (M)
Kramer, A. (M)
Kramer, M. H. (SM)
Kramer, A. (M)
Kramer, A. (M)
Kramer, A. (M)
Kramer, M. H. (SM)
Kramer, J. (M)
Kramer, J. (M)
Kramer, J. (M)
Kramer, M. H. (SM)
Kramer, J. (M)
Kramer, J. (M)
Kramer, J. (M)
Kramer, M. H. (SM)
Kramer, J. (M)
Kramer, J. (M)
Kramer, J. (M)
Kramer, M. H. (SM)
Kramer, J. (M)
Kramer, J. (M)
Kramer, J. (M)
Kramer, M. H. (SM)
Kramer, M. H. (SM

Waterbury (CON-1)

Biamonte . R. L. (M) Boisvert . G. R. (M) Busby , A. E. (A)

Singer, E. (M)
Skehan, J. W. (M)
Sontheimer, C. G. (M)
Straque, R. E. (M)
Steinberg, E. B. (SM)
Stockman, W. E. (M)
Tricthman, S. (M)
Trott, B. S. (SM)
Veremakis, C. (A)
Wachowski, H. P. (M)
Waiblerg, E. C. (SM)
Waths, O. E. (M)
Weiner, S. L. (M)
Wiener, S. L. (M)
Wiener, S. L. (M)
Wiener, S. L. (M)
Wiener, S. C. (SM)
Wohl, J. G. (SM)
Wohl, J. G. (SM)
Zarkower, B. (A)
Zulkowsky, W. S. (M)

Stepney (CON-F-1) Weller, B. L. (M)

Stonington (CON-1) Sherman, O. A. (M) York, E. P. (A)

Storrs (CON-1) rrs (CON-1)
Cromoton, R. H. (M)
Haas, V. B., Jr. (M)
Haat, B. E. (M)
Knapo, C. H. (M)
Knapo, C. H. (M)
Knapo, C. H. (M)
Kochenburger, R. J. (SM)
Lindorff, O. P. (M)
Lof, J. L. C. (SM)
Lucal, H. M. (M)
Melehy, M. A. (SM)
Northrop, R. B. (M)
Schultz, C. W. (M)
Timoshenko, G. S. (SM)
Torgersen, H. (M)

Stratford (CON-1) atford (CON-1)
Crain, G. F. (SM)
Octar, O. R. (SM)
Fox, F. J. (M)
Fox, F. J. (M)
Keouch, E. C. (A)
Loiacono, J. V. (M)
Nelson, E. P. (SM)
Platt, W. G. (A)
Richard, R. L. (A)
Ryckman, W. O., Jr. (M)
Simko, R. S. (A)
Sweet, R. O. (A)

Suffield (CON-1) Landers, T. P. (M)

Talcottville (CON-1) Howard, L. L. (M)

Tariffville (CON-1) Sluis, M. H. (M)

Terryville (CON-1) Krenicki, J. (M)

Thomaston (CON-1) Reynolds, A. C., Jr. (M)

Thompsonville (CON-1)
Hurlev. A. F. (A)
Jackson, C. H. (SM)
Tavidian, E. (M)
Vesce, A. J. (A)
Ziegler, I. A. (M)

Tolland (CON-1) Penney A W (M) Weston, F. B. (VA)

Torrington (CON-1) Geer, O. A. (A) Gerbi, H. S. (M) Silver, L. (A) Wilczenski, A. M. (A)

Trumbull (CON-F-1)
Angel, H. R. (M)
Balogh, J. J., Jr. (M)
Oresser, W. R. (SM)
Howard, N. S. (A)
Ragonese, F. L. (A)
Schiro, A. J. (A)
Schweitz, E. P. (M)
Zahn, E. (M)

Wallinofund (CON-1)
Brazee. J. A. (M)
Oavis, R. B., Jr. (A)
Hoff. P. T. (M)
MacOonald, O. H. (A)
Palmero, A. (M)
Schaefer, R. W. (M) H. (A)

Wapping (CON-1) Cronin, C. F. (M) Lehr, O. A. (A) Martin, H. E. (M) Stoker, W. C. (SM)

Warehouse Point (CON-1) Henry, W. L. (M) Lovkay, J., Jr. (M)

Cannizzaro, M. (M)
Finelli, P. C. (A)
Garrity, G. E. (A)
Hales, F. B. (M)
Koren, S. (SM)
Martinelli, A. A. A. (A)
Mioliaro, B. J. (A)
Pamullo, F. T. (A)
Pesce, W. J. (S)
Pichard, L. A. (SM)
Platt, F. L., Jr. (A)
Quinn, O. Q. (M)
Somers, O. L. (M)
Stanescki, W. (M)

Waterford (CON-1)
Ounn. C. M. (M)
Haefner. S. J. (SM)
Henrikson, F. R. (M)
Jellerson, F. R. (M) Jellerson, F. R. (M)
Jucksch, W. J. (M)
Olson, R. C. (M)
Stevens, A. M., Jr. (A)
Weatherlow, H. R. (M)
White, O. M. (M)
Whiteside, R. E. (M)
W;lms, H. J., Jr. (M)

Watertown (CON-1) Bryson, R. W. (A)

Westoque (CON-1) Hildebrandt, W. J. (M)

Westbrook (CON-1) Wren, W. M. (A)

Wen, W. M. (A)

West Hartford (CON-1)
Andersen, W. A. (M)
Bourret, C. J. (M)
Chase, A. E. (A)
Cohen, M. H. (M)
Ferla, S. J. (M)
Galin, J. L. (M)
Grammer, G. (F)
Hardy, F. E. (M)
Harris, O. J. (M)
Harris, O. J. (M)
Horland, J. H. (M)
Hornett, H. (M)
Josson, J. L. (M)
Kendall, O. E. (M)
Kendall, O. E. (M)
Kendall, O. E. (M)
Salow, S. R. (A)
McCrae, A. W. (M)
Perkins, W. W. (SM)
Rich, L. G. (M)
Salow, S. R. (A)
Smith, N. F. Jr. (SM)
Southworth, M. P. (M)
Stanlev, P. F. (M)
Stanlev, P. F. (M)
Witter, R. (M)
Williams, H. V. (A)
Williams, H. V. (A)
Witte, R. (M)
Zaslow, J. (M)

Est Haven (CON-1)
Corvaniance (CON-1)

West Haven (CON-1) Corvari, J. (M) Coxeter, G. W. (M) Fidler, H. E. (A) Kricek, J. V. (M) Rougelot, R. S. (M)

Weston (CON-1) Chadwick, M. P. (SM) Krase, J. R., Jr. (M) Willis, P. A. (M)

Westoort (CON-F-1)
Aylor, R. P., Jr. (VA)
Cassidv. M. E. (M)
Copo, W. C. (M)
Etlinger, L. (SM)
Gaffnev, F. J. (F)
Goodvear, W. F. (M)
Hasoott. J. C. (A)
Hasoon, O. B. (F)
Johnson, A. F. (M)
Levine, S. (M)
Mascherson, E. (M)
Rackev, C. A. (SM)
Roshkind, H. (M)
Steinhardt, L. (A) Steinhardt, L. (A)
Stone, C. G., Jr. (M)
Swift. W. C. G. (A)
Wolff, G. (M)

West Redding (CON-F-1) Rahal, N. S. (M)

West Suffield (CON-1) Boring, J. W. (A)

Wethersfield (CON-1) thersfield (CON-1)
Beal, E. W. OM)
Bernard, O. T. (A)
Harden, L. R. (A)
House, L. G. (M)
Latina, M. S. (M)
Mannanelli, F. O., Jr. (M)
Mitchell, J. A. (M)
Pauette, G. A. (A)
Rhodes, P. G. (M)
Strempfer, W. L. (A)

Wilton (CON-F-1) Dibner, O. (M) Oupre. H. P. (M)
Erstad. J. (M)
Godefrov. A. F. (M)
Heck, R. F. (A)
Levick, H. (M)
Riley, A. J. (M)
Ruckstuhl, C. E., Jr. (M)
Van Collie, H. A. (A)

Windham Center (CON-1) Miller, A. C. (SM)

Windsor (CON-1) dsor (CON-1)
Hamlin, J.W. (M)
Harrington, C. F., Jr. (M)
Intauliata, S. J. (A)
Nelson, G. E. (M)
Shoham, R. (M)
Van Vliet, W. G. (A)

Windsor Locks (CON-1) Grav. N. L. (M) Kidwell , N. E. (M)

Winsted (CON-1) Bolus, J. J. (M)

Wolcott (CON-1) Winchell, A. M. (SM)

Woodbridge (CON-1) Montgomery, R. H., Jr. (A)

Woodbury (CON-1) Harris, W. T. (SM) Nye, J. R. (SM)

OELAWARE

Camden (PHI-3) Oavison, C. R. (M)

Claymont (PHI-3) OaGrosa, V. (A) McEowen, J. R. (M)

Dover (PHI-3) or (PHI-3)
Oe Rosa, J. H., Jr. (M)
Duff, T. O. (A)
Miller, R. E. (M)
Yeager, R. L. (M)

Hockessin (PHI-3) Morris , J . M . (SM)

Lewes (PHI-3) Bierwirth , R . A . (M)

Marshallton (PHI -3) Graebe, R. H. (M)

Milford (PHI-3) Orummond , W. O. (A)

Newark (PHI-3) Albright, C. M., Jr. (M)
Albright, C. M., Jr. (M)
Arnold, N. W. (M)
Bolgiano, L. P., Jr. (M)
Oell, C. G. (M)
Freeman, L. A. (M)
Gottschalk, W. M. (M)
Hellerman, H. (M) Hellerman, H. (M)
Hill, D. L. (M)
Lutz, B. C. (M)
McClure, R. W. (A)
Robinson, D. M. (A)
Van Name, F. W., Jr. (SM)
Young, M. G. (SM)

New Castle (PHI-3) Christiansen, G. H. (M) Cushing, C. J. (M) Hampton, L. R. (A)

Newport (PHI-3) Rick , C . E . (A)

Rick, C. E. (A)

Wilmington (PHI-3)
Bauman, M. C. (M)
Bowyer, K. M. (A)
Carter, E. P. (M)
Conner, H. G. (M)
Conner, H. G. (M)
Conser, W. D. (M)
Oills, W. L. (M)
Faulhaber, M. E. (M)
Galladher, G. J. (M)
Hughes, R. M. (A)
Kelly, N. B. (M)
Kisko, R. P. (A)
Liddicoat, C. A. (M)
Lovett, R. S. (M)
Mandas, J. J. (M)
McMiller, R. C. (SM)
Mewer, G. E. (A)
Miller, T. M. (A)
Mewer, G. E. (A)
Miller, T. M. (A) McMillen, R. C. (SM)
Mever, G. F. (A)
Miller, T. M. (M)
Moore, J. T. Jr. (A)
Myette, R. F. (A)
Nicholson, O. W. (M)
Noonburg, W. I. Jr. (A)
Owens, J. E. (M)
Parls, R. (A)
Pastell, O. L. (M)
Perkins, J. R. (SM)
Petze, C. L. Jr. (SM)
Seer, H. G. (M)
Shashoua, F. E. (M)
Swarter, P. H. Jr. (A)
Swarter, P. H. Jr. (A)

Weir, D. G. (M) Williams, T. R. (M)

Wright, R. R. (SM) Yetter, E. W. (M)

DISTRICT OF COLUMBIA

Anacostia (W-DC-3) Riccobono, S. (VA) Washington (W-DC-3)
Abel. R. L. (M)
Abraliam, G. (SM)
Abraliam, G. (SM)
Abraliam, G. (SM)
Abranavane, M. M. (M)
Adair, G. P. (F)
Adams, R. J. (SM)
Abearn, J. L. Jr. (SM)
Abearn, J. L. Jr. (SM)
Alexander, J. A. J. (M)
Alexander, J. A. J. (M)
Alexander, J. A. J. (M)
Allen, J. H. (SM)
Allen, P. J. (SM)
Anderson, D. J. (SM)
Anderson, D. J. (SM)
Anderson, J. (M)
Anderson, J. (M)
Anderson, J. (M)
Anderson, J. (M)
Anderson, R. V. (M)
Andrew, W. M. (M)
Andrew, W. M. (M)
Andrew, W. M. (M)
Andrew, J. (M)
Andrew, J. (M)
Antesberger, E. A. (A)
Antesberger, E. A. (A)
Antentonov, A. F. (A)
Apperson, D. D. (M)
Abuli, J. A. (SM)
Amaldo, A. F. (A)
Amett, H. D. (SM)
Astiolz, P. T. (SM)
Attnore, R. G. (M)
Aver, W. T. (M)
Bailey, S. D. (M)
Bailey, S. D. (M)
Bailey, S. D. (M)
Bailey, S. L. (F)
Bain, W. F. (M)
Bail, R. H. (A)
Bank, W. J. (M)
Bank, W. J. (M)
Bank, W. J. (M)
Bank, W. J. (M)
Barder, D. E. (M)
Bater, D. E. (M)
Bater, P. S. (VA)
Baster, L. M. (M)
Beck, H. H. (M)
Beck, H. H. (M)
Bendon, L. R. (SM)
Benesson, P. S. (A)
Beasley, W. A. (SM)
Benesson, A. H. (SM)
Beretz, L. J. (M)
Bothers, W. V. (M)
Berlia, D. (M)
Boret, J. J. (SM)
Brante, W. B. (SM)
Brante, W. B. (SM)
Brante, W. W. (M)
Brester, J. F. (M)
Branter, W. J. (M)
Brester, J. F. (M)
Brothers, W. A. (M)
Brothers, W. W. (M)
Brester, J. M. (A)
Brody, H. J. (A)
Brod Brester, W. A. (VA)
Brody, H. I. (A)
Brody, H. I. (A)
Brody, H. I. (A)
Brodanden, J. W. (SM)
Brown, H. W. (SM)
Brown, H. E. (A)
Brown, S. R. (M)
Brown, S. R. (M)
Brown, T. H. (VA)
Brown, S. R. (M)
Bullock, G. M. (M)
Bullock, G. M. (M)
Bullock, G. M. (M)
Bullock, R. N. (M)
Bullock, R. N. (M)
Bullock, R. N. (M)
Bullock, R. N. (M)
Burnes, W. W. (M)
Burnes, W. T. (M)
Carbeater, M. G. (SM)
Burnes, R. O. (SM)
Burnes, J. N. (A)
Carbeater, H. E. J. J. (M)
Carbeater, R. A. (A)
Carter, J. M. (A)
Carter, J. M. (A)

Cauffman, J. A. (M)
Cavanaush. J. P. (M)
Cavanaush. J. P. (M)
Celander B. (A)
Chand, W. K. W. (M)
Chandler, C. E. (M)
Chabouis, C. K. (SM)
Chemikoff, R. (M)
Chi. A. R. (M)
Clark. G. L. (M)
Clark. R. J. (M)
Clarke, F. H. (SM)
Clarke, F. H. (SM)
Claydon, R. G. (A)
Cleeton, C. E. (F)
Clements, S. M. (M)
Claydon, R. G. (A)
Cloeton, T. C. Jr. (A)
Coates, R. J. (SM)
Clemons, T. C. Jr. (A)
Coates, R. J. (SM)
Cohen, L. R. (M)
Cohen, L. R. (M)
Colliaan, F. S. (A)
Conrad, G. T. Jr. (M)
Colliaan, F. S. (A)
Conrad, G. T. Jr. (M)
Corsill, J. F. Jr. (A)
Craven, T. A. M. (F)
Crenca, J. J. (M)
Creveling, C. J. (SM)
Creveling, C. J. (SM)
Creveling, R. E. (M)
Cuminos, R. G. (M)
Cullen, F. H. (A)
Craven, R. R. (M)
Cullen, F. H. (A)
Danner, R. E. (M)
Davis, R. C. (M)
Donovan, R. J. (M)
Donovan, R. J. (M)
Donovan, E. J. (M)
Donovan, R. J. (M)
Do Flores, R. A. (M)
Flores, R. A. (M)
Fluhr, F. R. (M)
Fong, L. B. C. (SM)
Foreiman, A. H. (M)
Forrest, H. S. (SM)
Fowler, R. W. (M)

Franklin, P. J. (SM)
Franta, A. L. (M)
Fratianni, S. V. (SM)
Fraumann, J. W. (A)
Frazier, H. S. (SM)
Friedbera, I. S. (M)
Friedbera, I. S. (M)
Friedbera, I. S. (M)
Friedbera, I. S. (M)
Friedman, D. C. (M)
Friedman, D. S. (M)
Galloin, J. J. (M)
Galloin, J. S. (M)
Galloin, J. Y. (A)
Galloin, J. J. (A)
Galloin, J. J. (A)
Gancie, J. J. (A) Gali, J. L. (WA)
Garcia, S. C. (M)
Gaylord, R. E. (M)
Gebhard, R. E. (M)
Gebhard, R. E. (M)
Gebhard, L. A. (F)
Gee, W. S. (SM)
Geore, S. F. (SM)
Geore, S. F. (SM)
Geore, S. F. (M)
Gerstenberg, H. M. (M)
Gisson, T. J. (M)
Gisson, R. F. (M)
Gisson, R. J. (M)
Gisson, R. J. (M)
Goldin, T. J. (M)
Goldin, T. J. (M)
Goodman, A. I. (M)
Goodman, S. I. (M)
Goodman, S. I. (M)
Goodman, S. I. (M)
Goodman, S. I. (M)
Greant, F. W. (SM)
Graves, F. V. (A)
Greathouse, D. E. (A)
Greenkemper, C. J. (SM)
Green, W. C. (VA)
Greene, R. M. (M)
Green, W. C. (VA)
Greene, R. M. (M)
Grismore, D. T. (M)
Grismore, D. T. (M)
Grismore, N. T. (M)
Grismore, N. T. (M)
Grismore, N. T. (M)
Grismore, N. T. (M)
Horismore, N. T. (M)
Hall, T. G. (A)
Hall, T. G. (A)
Hall, W. H. C. (M)
Hall, T. G. (A)
Harris, D. S. (M)
Harris, P. D. (A)
Harris, P. D. (A)
Harris, P. D. (A)
Harris, P. D. (A)
Harris, P. D. (M)
Harris, W. P. (M)
Harris, W. P. (M)
Harris, W. P. (M)
Harris, W. P. (M)
Harris, M. P. (M)
Harris, M. P. (M)
Hendon, J. R. R. (M)
Hendon, J. R. R. (M)
Hendon, P. H. J. (SM)
Hendon, P. H. J. (SM)
Hendon, P. H. J. (SM)
Howard, C. J. (M)
Howard, C. J. (M) Huntoon, R. D. (F)
Hurvitz, H. (M)
Hurvitz, E. W. (M)
Hhat, J. (M)
Ingles, H. C. (SM)
Irons, H. R. (M)
Irvine, J. S. (M)
Israel, L. J. (SM)
Jacocks, T. B. (SM)
Jaffe, G. (M)

- 472 -

James, G. E. (SM)
Jansky, C. M., Jr. (F)
Jansky, M. M. (M)
Jenkins, J. W. (M)
Jenkins, J. L. (SM)
Jennins, M. H. (SM)
Jesswein, A. J. Jr. (A)
Joffe, N. (M) Joffe, N. (M)
Johanningsmeier, W. F. (M)
Johansen, G. N. (SM)
Johnson, C. T. (A)
Jones, C. T. (A)
Jones, C. T. (A)
Jones, B. S., Jr. (M)
Jones, D. T. (A)
Jones, H. S., Jr. (M)
Jones, U. T. (A)
Julian, O. K. (M)
Kahler, F. C. (SM)
Kaiser, H. F. (A)
Kales, M. L. (M)
Kalmus, H. P. (F)
Kaputa, E. J. (M)
Katiman, M. G. (SM)
Keachie, J. H. (SM)
Keachie, J. H. (SM)
Kear, F. G. (F)
Keenan, R. J. (A)
Keller, J. E. (SM)
Keller, J. E. (SM)
Keller, J. E. (SM)
Keller, J. E. (SM)
Kenandy, R. L. (SM)
Kensedy, R. L. (SM)
Kensedy, R. L. (SM)
King, A. F. (A)
King, A. M. (M)
King, M. M. (M)
King, M. M.

McClain, E. F. (SM)
McClenon, D. (SM)
McClenon, D. (SM)
McGowan, J. E. (M)
McGunigal, W. E. (A)
McMintosh, F. H. (M)
McIntosh, F. H. (M)
McIntosh, F. H. (M)
McIntosh, W. L. (A)
McKenna, J. A. Jr. (A)
McKenna, J. A. Jr. (A)
McKann, J. H. S. (SM)
McMann, I. H. S. (SM)
McMann, I. H. S. (SM)
McMann, J. C. (SM)
Medorow, K. R. (M)
Melton, G. H. (M)
Milter, F. D. (SM)
Milter, F. D. (SM)
Milter, F. D. (SM)
Milter, J. E. (M)
Mischler, E. F. (SM)
Mitchell, J. H. Jr. (M)
Montgomery, G. F. (SM)
Montgomery, G. T. (A)
Moore, H. N. (M)
Moore, H. N. (M)
Moore, H. N. (M)
Morgan, E. D. (M)
Morgan, E. D. (M)
Morgan, F. E. (A)
Morgan, E. D. (M)
Morgan, J. R. (SM)
O'Brien, J. R. (SM)
Pade, P. L. (M)
Palmer, C. E. (M)
Palmer, C. E. (M)
Palmer, C. E. (M)
Palmer, C. E. (M)
Paris, H. B. Jr. (M)
Peselnick, L. (A)
Peseler, J. L. (M)
Perstry, J. L. (M)
Peselnick, L. (A)
Palummer, C. B. (SM)
Potter, S. (M)
Potter, S. (M)
Potter, S. (M)
Potter, J. J. (M)
Potter,

Rasmussen, A. R. (M)
Ray, H. A. Jr. (SM)
Read, A. H. (SM)
Reda, P. W. (M)
Reda, P. G. (M)
Reland, P. C. G. B. (A)
Reland, P. C. G. B. (A)
Reland, P. C. (M)
Relandson, D. J. (M)
Richardson, D. J. (M)
Richardson, W. M. (SM)
Rickerson, D. M. (SM)
Rickerson, D. M. (SM)
Rickerson, D. M. (SM)
Rickerson, D. M. (SM)
Riley, L. A. (A)
Ring, A. D. (VA)
Ringler, D. H. (A)
Ringler, D. H. (A)
Ringler, D. H. (A)
Ringler, D. H. (M)
Robinson, R. E. (M)
Robertson, B. S. Jr. (M)
Robertson, R. E. (M)
Robertson, R. G. (M)
Russell, G. M. (M)
Samba, W. C. (M)
Samba, W. C. (M)
Samba, W. C. (M)
Schenck, H. H. (F)
Schutz, V. L. (M)
Schenck, H. H. (F)
Schutz, V. L. (M)
Schenter, G. C. (M)
Schenter, G. C. (M)
Schenter, M. H. (F)
Schutz, V. L. (M)
Schenter, J. (M)
Schenter, J

Street, N. H. (M)
Stump.W. D., Jr. (M)
Sturm.P. J. (SM)
Sullivan. A. H. (SM)
Sullivan, L. D. (M)
Sumoski. A. W. (SM)
Suski. H. M. (SM)
Svendsen. E. C. (M) Svernsen, E. C. (w)
Sversen, R. C. (A)
Sweet, R. A. (M)
Sweet, R. A. (M)
Talshoff, S. J. (SM)
Talkin, A. J. (M)
Talishoff, S. J. (SM)
Tallin, R. E. (M)
Tallin, R. E. (M)
Taylor, F. V. (SM)
Taylor, F. V. (SM)
Taylor, F. V. (SM)
Taylor, R. V. (SM)
Taylor, R. J. (SM)
Taylor, R. J. (SM)
Taylor, R. J. (SM)
Tersoff, A. I. (SM)
Thomson, R. T. Jr. (M)
Titcomb, F. C. (M)
Titus, D. C. (M)
Titus, D. C. (M)
Titus, D. C. (M)
Trexler, R. C. (M)
Trexler, R. C. (M)
Troutner, J. R. (M)
Trexler, J. H. (A)
Troutner, J. R. (M)
Tsuda, R. Y. (A)
Tuckeman, L. P. (SM)
Turder, G. S. (F)
Ture, M. A. (F)
Ulrick, W. J. (M)
Van Leumen, P. Jr. (A)
Van Leumen, P. Jr. (A)
Van Leven, A. (M)
Van Leumen, P. Jr. (A)
Van Leven, A. (M)
Vorak, E. (M)
Vosel, H. O. (M)
Vosight, D. A. (M)
Vosak, E. (M)
Vosak, E. (M)
Waldon, G. R. (M)
Waldon, G. R. (M)
Waldon, G. R. (M)
Waldon, J. H. (M)
Wester, M. B. (M)
Waldon, J. H. (M)
Wester, M. B. (M)
Wester, J. J. (M)
Williams, M. P. (M)
Williams, J. R. (M)
Williams, R. R. (M)
Williams, R. R. (M)
Williams, R. R. (M)
Zero, R. R. (M)

FLORIDA

Avon Park (MIA-3) Williamson, E. P. (M) Barton (F-WC-3) Morrison, H. G. (A) Williams, L. E. (M)

Bellair Beach (F-WC-3) Andrews, E.F. (VA)

Boynton Beach (MIA-3) Sayre, E. E. (M)

Bradenton (F-WC-3)
Brackmann, W. J. (SM)
Brand, P. M. (SM)
Dannals, E. W. (SM)
Hauber, E. N. (M)
Lampkin, G. F. (VA)
Schnell, F. H. (SM)
Whitehead, C. C., Jr. (M)

Brandon (F-WC-3) Brodle , W . A . (A)

Brooker (CF-3) Rhoads , A . S . , Jr . (A)

Carrabelle (NWF-3) Dykes, W. E. (A)

Cleanwater F-WC-3)
Adkisson, W. M. (M)
Ainsworth, F. W. (M)
Alnsworth, F. W. (M)
Billingsley, F. C. (SM)
Billingsley, F. C. (SM)
Bilakeslee, K. L. (M)
Bozardt, W. R. (A)
Brown, P. F. (M)
Cleotells, H. J. (M)
Dale, C. H. , Jr. (M)
Duhendorff, H. H. (M)
Duncan, B. J. (M)
Eckert, G. F. (A)
Ely, P. C. , Jr. (M)
Farina, J. S. (M)
Farina, J. S. (M)
Fowler, H. V. . Jr. (M)
Grimes, E. J. (M)
Grimes, E. J. (M)
Grimes, E. S. , Jr. (M)
Hunt, H. W. (M)
Hunt, H. W. (M)
Hunt, H. W. (M)
Littlelohn, C. E. (M)
Morris, C. C. (M)
Parkes, D. A. (M)
Pate, G. W. , Jr. (A)
Petersen, M. E. (M)
Remond, F. X. (M)
Remond, F. X. (M)
Southerly, N. D. (M)
Southerly, N. D. (M)
Sparks, J. R. (M)
Summers, D. D. (M)
Syarks, J. R. (M)
Summers, D. J. (M)
Syarks, J. R. (M)
Summers, D. D. (M)
Syarks, J. R. (M)
Summers, D. D. (M)
Syern, L. (SM)
Taft, D. R. (M)
Tiller, W. H. (M)
Vergon, T. F. (SM)
Wells, J. D. (M)
Williamson, J. V. (A)
Williamson, J

Clearwater Beach (F-WC-3) Miller, R. J. (M)

Clearwater Beach (F-WC-3)
Miller, R. J. (M)

Cocoa (CF-3)
Adams, R. N. (A)
Balley, C. W., Jr. (A)
Benn, D. G. (A)
Betts, P. H. (SM)
Blasingame, J. J. (M)
Burton, H. L. (M)
Collier, R. W., Jr. (A)
Cox, P. D. (M)
Edgerly, J. J. (SM)
Fowler, C. D. (M)
Gasparovitch, S. (A)
Ginn, R. (M)
Gotcher, R. W. (M)
Graziadio, S. J. (M)
Kwlatkowski, J. M. (A)
Lahr, N. L. (M)
Lesh, M. A., Jr. (M)
Lyerly, E. E. (A)
Mattox, C. E. (SM)
McMath, D. C., Jr. (A)
Melton, B. R. (M)
Payne, R. E. (SM)
Peeples, J. W., Jr. (M)
Spicer, W. H., Jr. (M)
Spicer, W. H., Jr. (M)
Sweat, R. E. (A)
Toole, P. C. (SM)
Valentine, L. (A)
Valentine, L. (A)
Valentine, L. (A)
Valentine, L. (A)
Ioa Beach (CF-3)
Allen, M. H. (M)

Cocoa Beach (CF-3) Allen, M. H. (M)

Baldini, E. A. (M)
Brown, W. R. (M)
Cambell, R. L. (SM)
Carbenter, R. D. (A)
Challoff, M. (A)
Corte, R. L. (A)
Ducker, J. D. (A)
Edin, J. E. (A)
Elliott, J. O. (M)
Glimton, J. E. (A)
Elliott, J. O. (M)
Glemundson, G. J. (M)
Goldberg, G. A. (M)
Goldberg, G. A. (M)
Goldberg, G. A. (M)
Gold, M. J. (SM)
Guelzow, C. W. (A)
Hagner, D. R. (M)
Hartman, R. E. (A)
Hiers, K. G. (A)
Jackson, R. H. (M)
Jester, A. H. Jr. (M)
Keener, M. A. (A)
Mwers, W. A. (M)
Noone, J. F. (M)
Pastev, E. W. (M)
Pastev, E. W. (M)
Noone, J. R. (A)
Parker, J. E. (M)
Pastev, G. M. (M)
Scott, J. H. (M)
Scott, J. H. (M)
Scott, J. H. (M)
Stelff, D. L. (A)
Sustare, B. A. (M)
Teleha, C. K. (A)
Terry, J. F. (M)
Thibodeau, R. A. (M)
Thoman, C. A. (M)
Warner, H. Y. (A)
Wever, L. R. (M)
Wilson, C. B. (SM)
Wilson, C. B. (SM)
Wilson, C. B. (SM)
Wilson, C. B. (SM)
Wood, R. E. (M)
Wilst, T. R. (M)

Coconut Grove (MIA-3) Rogenson, A. H. (A)

ROTERSON, A. H. (A)

Coral Gables (MIA-3)
Birch, R. S., Jr. (M)
Christoonel, G. H. (M)
Clarke, V. E. (M)
Eubanks, J. M. (M)
Graves, H. B. (A)
Haecer, J. R. (M)
Harrell, S. R. (M)
Lang, L. B. (A)
Macklin, F. R. (M)
Roberts, F. G., Jr. (VA)
Ryan, C. M. (SM)

Cross City (CF-3) Carr, C. E. (A)

Dade City (F-WC-3) Touchton, C. F., III (M)

Daytona Beach (CF-3)
George, E. M. (SM)
La Tour, J., Jr. (M)
Siegel, J. J. (A)

Deerfield Beach (MIA-3) Vigil, A, E. (M)

Destin (NWF-3) Eddv. H. C. (A) Pierce, W. E. (SM)

Doctor's Inlet (CF-3) Mason, W. A. (M)

Mason, W. A. (M)

Dunedin (F-WC-3)
Aird, A. W. (M)
Barton, G. R. (SM)
Blincoe, H. P. (M)
Day, W. B. (M)
Dowell, W. B., Jr. (M)
Funke, W. G. (M)
Greenwood, R. E. (M)
Hinchee, A. E. (A)
Karnath, N. A. (M)
Kelly, W. C. (M)
McLaren, D. C. (A)
Venaglia, E. J. (SM)
Wilson, L. K. (A)

Callie (CF-3)
Allman, D, L, (M)
Alvarez, J, (M)
Baker, R, C, (M)
Beach, A, R, (SM)
Bicksler, D, H, (M)
Bivans, R, W, (M)
Bradford, G, E, (M)
Brown, R, S, (M)
Brown, W, H, (M)
Cahill, W, J, (M)
Castella, R, C, (M)
Clark, F, J, (SM)
Coapman, J, W, (SM)
Cook, R, M, (A)
Doblmann, V, R, (A)
De Jonohe, J, J, (M)
De Mars, S, A, (M)
Dibble, H, L, (M)
Doame, H, J (M)
Doame, H, J (M)
Doare, E, C, (A)
Double, H, L, (M)
Doame, H, J, (M)

Duryee, J. B. (M)
Eaton, C. B. (M)
Eaton, C. B. (M)
Finley, J. D. (M)
Finley, J. D. (M)
Foole, R. E. L., Jr. (M)
Griffith, M. E. (SM)
Hafer, F. L. (M)
Hafer, F. L. (M)
Hafer, F. L. (M)
Hafer, E. T. (M)
Harls, C. F. (A)
Hatcher, E. T. (M)
Hickman, R. S. (M)
Hill, D. R. (M)
Hill, D. R. (M)
Holmes, T. G. (M)
Johnson, R. J. (M)
Mores, A. E. (M)
Johnson, R. J. (M)
Kasser, J. M. (SM)
Kaser, J. M. (SM)
Kaser, J. M. (M)
Koroal, J. W. (A)
Harding, M. (M)
Koroal, J. W. (A)
Harding, M. (M)
Koroal, J. W. (A)
Harding, M. (M)
Koroal, J. (M)
Madrid, D. C. (M)
Madrid, D. C. (M)
Madrid, D. C. (M)
Morbusch, J. L. (M)
Mollinkkal, E. E. (M)
Paul, H. C. (A)
Perce, J. R. (M)
Powell, L. W. (M)
Robbins, L. S. (M)
Shell, (M)
Smith, A. E. (A)
Smith, C. E. (M)
Smith, J. J. (M)
Soarling, A. G. (A)
Thomas, D. H. (M)
Turley, R. N. (M)
Soarling, A. (A)
Thomas, D. H. (M)
Voltava, Y. (M)
Walker, D. H. (M)
Walker, J. R. (M)
Welss, E. J. (M)
West, K. A. (SM)
Wilson, H. C. (M)
Wooded, K. M. (M)
Wyoung, L. R. (M)

in AFB (NWF-3)
Albright, R, E, (M)
Armstrona, J, L, (M)
Baxter, W, D, (M)
Bills, J, R., Jr. (M)
Forkner, E, G, (M)
Hanson, G, B, (M)
Hendrix, C, E, (M)
Hohman, V, R, (M)
Holman, W, E, (M)
Holman, W, E, (M)
Scoklair, J, M, (M)
Mesker, J, I, (M)
St. Germaln, A, A, (G)
Schelble, W, R, (M)
Schofield, D, F, (M)
Shanks, F, B, (M)
Sites, F, J, (M)
Somerset, R, D, (M)
Mite, A, R, (M) Egiln AFB (NWF-3) White, A. R. (M)

Englewood (F-WC-3) Clapp, J. K.(F)

Floral City (F-WC-3) Palka, F. M. (M)

Fort Myers (F-WC-3) Lynch , A . H . (SM) Stiles , J . E . (M)

Fort Myers Beach (F-WC-3) Dashiell, E. V. (SM)

Dashiell, L. V. (SM)

Fort Lauderdale (MIA-3)

Bassett, R. E. . Jr. (VA)
Clippard, R. W. (M)
Cook, H. A. (M)
Cummings, M. M. (M)
De Hass, T. M. (A)
Dice, W. H. (M)
Dondlinger, R. W. (M)
Evans, C. L. (M)
Evans, C. L. (M)
Gorder, L. O. (A)
Granucci, F. P. (A)
Harding, K. P. (M)
Heroniyings, T. G. (SM)
Mazzeo, B. A. (M)

Needs, W. R. (A)
Nusent, J. A. (A)
Pritchard, W. S. (M)
Richardson, M. S. (M)
Schwartz, H. C. (A)
Schwartz, H. C. (A)
Stetson, H. T. (M)
Vlasak, W. R. (A)
Walker, M. C. (M)
Wisner, C. V., Jr. (A)

Fort Pierce (CF-3) Goldsborough, P. (SM)

Fort Walton (NWF-3) Bloomquist, J. C. (A) Brown, M. J. (M) Falkenberg, H. R. (M) Fowler, L.O.(M) Howard, F.E., Jr.(M)

Howard, F. E., Jr. (M)

Fort Walton Beach (NWF-3)
Allen, K. J. (M)
Atkinson, R. L. (M)
Butler, F. M., Jr. (A)
Coe, R. B. (M)
Combs, J. W. (A)
Cooper, M. J. (M)
Cox, E. R. (M)
Ellis, R. J. (M)
Elmore, H. J. (M)
Fleming, G. C. (M)
Fleming, G. C. (M)
Harmack, J. W. (M)
Harmack, J. W. (M)
Harmack, J. W. (M)
Holder, W. W. (M)
Holder, W. W. (M)
Histon, E. A. (M)
Histon, E. A. (M)
Howe, J. W. (A)
Hufnagle, H. H. (M)
Hufley, K. L. (SM)
Jackson, W. E. (M)
Kirlin, W. F. (M)
Leach, F. W. (M)
Long, C. E., Jr. (M)
Longaker, C. D. L. (M)
Lucas, H. B. (A)
McCuaig, J. E. (M) Lucas, H. B. (A)
McCuaig, J. E. (M)
Post, R. H. (M)
Reuther, C. R. (M)
Schneider, C. R. (A)
Tedeschi, A. (A)
Todd, M. A. (M) Wallace, J.E. (M)
Wierenga, W.B. (A)
Wilson, L.L. (M)
Zwaska, J.F. (M)

Gainesville (CF-G-3) nesville (v.F.-u-z)
Abernathy J. L. (M)
Akre, R. O. (SM)
Aroin, R. J. (M)
Barylsi, M. W. (A)
Bean, E. W., Jr. (A)
Brenner, J. C. (SM)
Bridaland, T. F., Jr. (M)
Chen, W. H. W. (M)
Cisne, L. E. (M)
Dav. W. R. Jr. (M)
Dickinson, P. C. (M)
Elsenberg, M. F. (M)
Fisk, H. V. (SM)
Forsman, M. E. (M)
Frerking, H. W. (M)
Frerking, H. W. (M)
Hiller, Y. M. (M)
Manus, W. K. (M)
Hallev. W. M. (M)
Langston, C. S. (M)
Langston, C. A. (M)
Langston, C. A. (M)
Larsen, M. J. (SM)
Langston, C. A. (M)
Massey, W. A. (M)
Massey, W. A. (M)
Mathews, B. E. (A)
McManus, W. K. (M)
Minkel, M. S. (M)
Montoomery, H. R. (M)
Neidert, J. H. (SM)
Newhall, S. Jr. (M)
Peterson, W. (M)
Price, W. A. (M)
Preterson, W. (M)
Price, W. A. (M)
Recklewicz, H. F. (M)
Rich, C. E. (SM)
Richammad B. F. (M)
Richammad B. F. (M)
Richammad B. F. (M)
Richammad B. F. (M)
Richammad B. F. (M) Rich, C. E. (SM)
Richmond, R. E. (A)
Rolfe, F. R. (M)
Rosier, N. E. (A)
Russ, D. S. (M)
Schwartz, L. (M)
Schwartz, L. (M)
Scarles, C. B. (M)
Shaffer, C. V. (SM)
Sias, F. R., Jr. (M)
Silas, L. W. (M)
Smith, S. B. (M)

Sterling, R. W. (A) Strauss, R. (SM)

Stubbs, J. E. (M)
Sutherland, A. D. (M)
Swearingen, J. D. (M)
Tlerney, D. R. (M)
Veronda, C. M. (SM)
Walters, J. H. (M)
Warner, F. W. (M)
Well, J. (F)
Westmeyer, J. A. (M)
Wind, A. H., Jr. (SM)
Winters, B. C. (A)
Zetrouer, W. F., || (M)

Green Cove Springs (CF-3) Haselwood, D. E. (M)

Greenville (CF-3) Bailey, J. W. (A)

Gulf Breeze (NWF-3) Coleman, D. T., Jr. (M)

Gulfoort (F-WC-3) Lindtner, J. (A)

Hialeah (MIA-3) Fossler, D. E. (M)

Holly Hill (CF-3) Bodnar, J. M. (M)

Hollywood (MIA-3) Cook. H. A. (A) Fraser, H. B. (A) Lane, H. K. (A)

Homestead AFB (MIA-3) Knight, J. R. (SM)

Indialantic (CF-3) alantic (CF-3)
Gilbreath, R. E., Jr. (A)
Kearney, R. J. (M)
McKee, J. F. (A)
Moore, P. H. (M)
Shaw, G. S. (SM)
Westphal, F. C. (M)

Indian River City (CF-3)
Boone. K, E. (M)
Havdon. R. E. (SM)
Herring. H. Jr. (SM)
Jacobus. R. G. (A)
Morevn. H. J. (M)
Phillins, M. J. (M)

Indian Rocks Beach (F-WC-3) Bie. E. W. (M) Schenck, G. C. (M)

Schenck, G. C. (M)

Jacksonville (CF-3)
Acosta, E. (A)
Bean, J. O. C. (M)
Binnix, R. G. (A)
Carruth, D. C. (M)
Crowell, L. J. (A)
Dandelake, J. (M)
Ffoulkes, C. E. (M)
Floke, H. C. (A)
Helmsina, L. C. (M)
Kray, J. F., Jr. (A)
Martindale, N. B. (A)
McClure, G. F. (M)
Meadow, W. L. (M)
Mullins, R. M. (M)
Osmundsen, G. A. (A)
Strandbero, P. R. (M)
Shirvis, R. A. (A)
Vordermark, E. B. (SM)
Weber, D. C. (M)
Welmer, R. H. (A)
Wilcoxon, L. (A)
Iter (MIA C.

Jupiter (MIA-3) Maxwell, C. D. (A)

/ West (MIA-3)
Anderson, B. G., Jr. (M)
Bajus, J. C. (M)
Braun, P. A. (M)
Broake, J. F. (SM)
Cobb, A. D. (M)
Conable, J. H. (M)
Cook, H. B. (SM)
Dame, A. M. (M)
De Noon, N. L. (A)
Ervi, W. L., Jr. (M)
Fitch, G. E. (M)
Lenkerd, J. P. (M)
Myers, C. B. (A)
Myers, C. B. (A)
Myers, C. B. (A)
Simpson, W. E. (M)
Small, D. G. (M)
Snyder, R. D., Jr. (M)
Snyder, R. D., Jr. (M)
Waller, E. C. (M)
Yowell, G. M., Jr. (M) Key West (M1A-3)

Kissimmee (ORL-3) Greenman, L. R. (M) Ramer, J. P. (M)

La Belle (MIA-3) Williamson, H. L. (A)

Lakeland (F-WC-3)
Allen, J. G. (SM)
Cipray, F. J. (A)
Polskin, L. J. (A)

Lake Wales (F-WC-3) Kimbrel, G. M. (M)

Lake Worth (MIA-3) Baran, A. S. (M)
Elam, L. A. (A)
Goudeau, J. P., Jr. (M)
Larkin, J. P. (M) Wood, W. H. (M)

Lantana (MIA-3) Paslay, L. C. (M)

Largo (F-WC-3)
Abernathy, T. C. (M)
Balley, R. L. (M)
Berry, H. W. (SM)
Christensen, T. W. (M)
Cypherd, V. M. (A)
Denison, J. W. (A)
Eadie, D. (SM) Eadie, D. (SM)
Edwards, N. L. (A)
Finegan, F. L. (M)
Fryer, R. B. (M)
Humphrey, B. E. (M)
Lazarchik, R. E. (M)
Lewis, H. R. (M)
Macomber, G. R. (A)
Marion, J. F. (M)
Miller, J. H. (F)
Nations, C. T. (M)
Parker, R. F. (M)
Schmidt, A. P. (M)
Schmidt, A. P. (M)
Shaw, H. S. (F) Shaw, H, S. (F)
Steele, F. E. (M)
Weems, N. T., Jr. (
Woodruff, D. L. (M)

Leesburg (ORL-3) Ball, I.D. (SM)

Lockhart (ORL-3) Hoeft, E.R. (M)

Lutz (F-WC-3) Wallace, S. K. (A)

Lynn Haven (NWF-P-3) Barry, C. J. (M) White, P. K. (M)

Madeira Beach (F-WC-3) Day, F.R. (SM) Hassell, J.E. (M) Wenner, R.G. (M)

itland (CF-3)
Bales, C. W. (M)
Bayeston, T. E. (M)
Byerly, E. H. (A)
Duquet, E. A. (M)
Goldsmith, J. (SM)
Holmes, L. G. (M)
Johnson, R. E. (M)
Matysek, J. J. (A)
Nelson, L. (M)
Raboy, B. (SM)
Spiecel, S. S. (M)
Staudt, H. R. (SM)
Taglauer, E. R. (M)
Williams, H. M. (SM)
Williard, M. W. (M)
Yancey, J. L. (M) Maitland (CF-3)

Margate (MIA-3) Nemetz, R. (A)

Marianna (NWF-3) Poulsen, N. R. (M) Saunders, E. N. (A)

Mary Esther (NWF-3) Atherly, D. H. (A) Bennich, E., Jr. (M) McCarthy, D. W. (M) Nichols, J. (A)

bourne (CF-3)
Anderson, B. E., Jr. (M)
Apriletti, C. A. (M)
Barbee, G. S., Jr. (M)
Barbee, G. N. (A)
Booth, R. Y. (M)
Borube, G. N. (A)
Booth, R. Y. (M)
Burnsy, C. (SM)
Burnsy, C. (SM)
Burnsy, C. R. (F)
Bym, R. L. (M)
Cauthen, I. L. (M)
Clarke, R. L. (A)
Conerly, P. (M)
Davenport, F. S. (M)
Oavis, H. B. O. (M)
Denius, H. R. (SM)
Detweller, J. E. (A)
Dickenson, J. P., Jr. (M)
Dodyson, W. W. Jr. (A)
Doughty, S. D. (M)
Eddins, W. T. (M)
Falls, M. P. (SM)
Ferguson, R. E. (A)
Fletcher, R. C. (M)
Fletcher, R. C. (M)
Freedland, M. S., (SM)
Glass, W. F. (M) Melbourne (CF-3)

Griffin, C. E. (M)
Grover, D. W. (M)
Harfis, L. (M)
Harris, L. (M)
Harris, L. (M)
Harley, J. T., Jr. (M)
Hatley, J. T., Jr. (M)
Hatley, J. T., Jr. (M)
Haygood, W. D. (M)
Hazel, W. M. (M)
Hoeppner, C. H. (F)
Houghton, R. A. (M)
Howard, O. C. Jr. (M)
Hyde, K. C., Jr. (M)
Jackson, C. H. (M)
Jackson, C. H. (M)
Jaffe, A. P. (M)
Jaffe, A. P. (M)
Jaffe, A. P. (M)
Knight, J. P. (A)
Lenke, R. H. (M)
Knight, J. P. (A)
Lenke, R. H. (M)
Marauand, R. E. (M)
Marauand, R. E. (M)
Martin, J. W. (A)
McLamb, F. D. J. (M)
McHillian, L. S., Jr. (M)
McHillian, L. S., Jr. (M)
McHillian, L. S., Jr. (M)
McWary, R. C. (SM)
Meyer, E. G. (SM)
Murray, R. V. (M)
Myers, C. E. (M)
Pettler, P. R. (M)
Polaisted, R. O. (M)
Preece, R. G. (M)
Napside, R. G. J. Jr. (M)
Robinson, J. A. (M)
Scharla-Nielsen, H. (SM)
Rawnsley, J. A. (M)
Scharla-Nielsen, H. (SM)
Robinson, J. A. (M)
Scharla-Nielsen, H. (SM)
Robinson, J. A. (M)
Scharla-Nielsen, H. (SM)
Vansant, F. T. (M)
Watter, J. M. , Jr. (M)
Vansant, F. T. (M)
Wans, C. C. (SM)
Wentzel, M. G. (A)
West, C. F. (M)
Wicker, G. E. (M)
Willeme, J. F. (SM)
Willeme, J. F. (SM)
Willeme, J. F. (SM) wiener, W. A. (M)
Williams, L. E. (SM)
Williamson, F. R., Jr.
Work, R. A., Jr. (M)
Yatauro, P. (A)
York, L. M. (A)
Young, J. (A)
Young, P. D. (A) Jr. (M)

Melbourne Beach (CF-3)
Dodson, L.F.(SM)
Fox, R.A.(SM)
Glover, E.B.(M)
Jory, J.H.(M)
Kolderup, L.E.(A)
Wren, A.W., Jr.(A)

Melrose (CF-G-3) Gano, O.R. (M)

Merritt Island (CF-3) ritt Island (CF-3)
Ciaffardini, A. N. (A)
Cooper, W. H. (SM)
Damme, M. C. (A)
Danimer, C. E. (A)
Martin, J. D. (M)
Metts, L. W. (A)
Morris, H. N. (SM)
Noda, T. T. (A)
Raulins, K. R. (M)
Shupe, P. G. (M)
Sorrell, O. (M)
Thomas, W. A., Jr. (M)
Turbeville, W. L. (M)

Miami (MIA-3) Adcock, S.E. (SM) Alter, J.E. (M) Alter, J. E. (M)
Bernard, H. E. (M)
Bledsoe, R. E. (M)
Brookes, K. E. (A)
Brookfield, R. F. (A)
Bryant, C. S. (A)
Camus, G. E. (M) Bryant. C. S. (A)
Carmus, G. E. (M)
Cates, D. R. (M)
Cates, D. R. (M)
Craig, P. H. (SM)
Dale, K. N. (A)
Danielsen, D. A. (M)
Dannelsen, D. A. (M)
Dannelsen, D. A. (M)
Dupree, J. N. (M)
Easterbrook, L. J., Jr. (M)
Easterbrook, L. (SM)
Example, L. O. (M)
Experson, W. H. (SM)
Example, L. O. (M)
Experson, W. H. (SM)
Exans, H. (A)
Francis, J., Jr. (M)
Gordon, L. L. (SM)
Gussow, S. S. (A)
Hall, G. L. (M)
Hamn, B. D. (A)
Hamrlck, W. H. (M)
Hannum, E. W. (M) Hardesty, G. A. (M)
Hellings, F. J. (M)
Hellings, F. J. (M)
Hermann, N. P. (M)
Jeffcoat, T. D. (M)
Johnson, W. H. . Jr. (M)
Johnson, W. H. . Jr. (M)
Johnson, W. H. . Jr. (M)
Jones, R. M. (M)
Jones, R. M. (M)
Jones, T. J. (M)
Kiney, W. Jr. (SM)
Kimball, E. W. (SM)
Kinney, W. E. (M)
Kison, J. E. . Jr. (A)
Kraft, F. J. (M)
Larkins, G. L. (M)
Lehfeld, H. J. (A)
Lewis, E. W. (VA)
Livingston, J. (M)
Lockwood, E. C. (SM)
Lockwood, E. C. (SM)
Lockwood, E. C. (SM)
Loving, S. L. (M)
Magues, T. T. (A)
Marus, G. (A)
Martin, S. (M)
Mason, E. C. (A)
Miller, M. A. (SM)
Middleton, T. F. . Jr. (A)
Miller, M. A. (SM)
Nirenberg, A. (M)
Paasch, R. H. (M)
Palmer, R. P. (A)
Perkinson, J. A. (M)
Polilack, M. (M)
Randolph, H. D. (M)
Reid, T. D. (M)
Reid, T. D. (M)
Reid, T. D. (M)
Rodel, Y. D. (A)
Shamblin, H. D. (M)
Shamblin, H. D. (M)
Solesz, R. E. (SM)
Soukaras, K. M. (M)
Solesz, A. (M)
Spragg, L. A. (M)
Solesz, A. (M) Ware, P. (SM)
Weber, G. L. (M)
White, K. M. (M)
Wollin, E. (M)
Wright, A. (M)
Yeaqer, H. R. (SM)
Young, P. A. (M)
Young, W. E. (M)
Zahniser, R. W. (M)

Miami Beach (MIA-3) mi Beach (MIA-3)
Boundy, G., G. (SM)
Kantor, R., R. (M)
May, B. M. (A)
Rechter, R., J. (M)
Richter, H. L. (A)
Sanfield, S. H. (M)
Senauke, A. (SM) Shrooshire, A. W. (VA) Square, A. L. (A)

Miami Shores (MIA-3) Shearer, S. L. (A)

Miami Sorings (MIA-3) mi Sorinds (MIA-3)
Atkins, G. T. (SM)
Cook, C. (A)
Mehrling, H. W. (M)
Morgan, W. R., Jr. (A)
Murr, V. E. (VA)
Rose, R. M. (M) Stanphill, J. R. (M)

Milton (NWF-3) Farrar, R. L. (A) Johnson, C. I. (M)

Monticello (NWF-3) Groves, C. L. (A)

New Smyrna Beach (CF-3) Dinwiddie, E. W. (M) Kimmell, R. G. (M) McNatt, E. J. (M)

North Fort Myers (MIA-3) Hollenback, H. G. (A)

North Mlami (MIA-3) Castle, C. X. (M)
Parsons, E. G. (M)
Sawyer, J. L. (A)

North Miami Beach (MIA-3) Fischer, A. J. (M)
Ostheimer, E. J. (M)
Rifkin, M. S. (M) (M)

North Palm Beach (MIA-3) Adams, V. F., Jr. (A) Cordell, B. P., Jr. (M) Craver, J. N. (M) Lefka, M. (M)

Oldsmar (F-WC-3) Miller, L. S. (A Wilt, R. E. (M)

Opa Locka (MIA-3) Goetz, O. E. (A)

FLOR IDA - 475 -

Orlando (ORL -3) Alexander J. E. (M)
Anderson, E. B. (A)
Anderson, G. F. (A)
Anderson, G. F. (A)
Arbuckle, W. L. (M)
Barcett, J. W. (SM)
Basch, A. L. (M)
Basch, A. L. (M)
Bauer, J. A. (SM)
Bauer, J. A. (SM)
Bauer, L. H. (A)
Beers, W. T. (A)
Bendett, R. M. (M)
Bishon, R. P. (M)
Blumenstein, O. J. (M)
Boober, R. J. (M)
Boober, R. J. (M)
Boober, R. J. (M)
Boober, R. J. (M)
Booder, L. D. (A)
Branch, W. D. (M)
Bradbury, L. D. (A)
Branch, W. D. (M)
Bradbury, L. D. (A)
Branch, W. D. (M)
Brantle, C. A. J. (A)
Branch, W. D. (M)
Brent, R. I. (M)
Breit, R. I. (M)
Brichan, R. C. (A)
Browning, R. C. (A)
Browning, R. N. (A)
Buchan, J. F. (A)
Buchan, J. F. (A)
Buchan, J. F. (A)
Buchan, J. F. (A)
Carriahan, P. G. (M)
Carrion, W. J. (SM)
Carrion, W. J. (SM)
Collins, H. P. (A)
Conley, J. W. HI (M)
Cridde, W. S. (M)
Cullman, F. A. (SM)
Davis, V. L. (M)
Dav, W. R. (M)
Decino, A. (SM)
Dickinson, R. H. (SM)
Fisk, N. H. (M)
Eagle, G. R. (A)
Brastman, M. R. (M)
Eagle, G. R. (SM)
Godlewski, V. J. (A)
Green, R. E. (SM)
Fisk, N. H. (M)
Green, R. E. (SM)
Hardison, C. W. (M)
Horton, W. H. (SM)
Houston, E. E. J. (M)
Kasascon, S. (M)
Kasascon, S. (M)
Jaramillo, J. G. (M)
Johnson, L. M. (M)
Lowis, R. M. (SM)
Kender, R. E. (J. (M)
Lowis, R. M. (M)
Low

Metz, D. F. (M)
Mills, L. W. (A)
Mills, L. W. (A)
Mills, L. W. (A)
Minderman, P. A. (M)
Minderman, P. A. (M)
Minderman, P. A. (M)
Moody, W. R. (M)
Moody, W. R. (M)
Moore, T. A. (M)
Mors, J. C. (A)
Mors, J. C. (A)
Mors, J. C. (A)
Mors, J. W. (M)
Newbl. R. A. (M)
Newbl. R. A. (M)
Newbl. R. A. (M)
Nilson, M. N. (A)
Noris, C. H. (M)
O'Donnell, G. H. R. (M)
Palnter, P., Jr. (SM)
Partick, W. S. (SM)
Partick, W. S. (SM)
Partick, W. S. (SM)
Pattick, W. S. (SM)
Robinson, R. L. (M)
Poole, H. H. (M)
Robinson, B. H., Jr. (M)
Robinson, B. H., Jr. (M)
Rollins, J. Jr. (M)
Rollins, J. Jr. (M)
Robinson, B. H., Jr. (M)
Rollins, J. Jr. (M)
Stalshur, S. S. (M)
Sasser, T. (M)
Schielder, N. (A)
Schielder, N. (A)
Schielder, N. (A)
Schielder, N. (A)
Schielder, V. A. (M)
Schielder, N. (A)
Schielder, V. A. (M)
Staschker, R. C. (SM)
Sitalls, W. M. (M)
Staschker, R. C. (M)
Sitalls, W. M. (M)
Staschker, R. A. (A)
Steternach, S. J. (A)
Turcker, R. W., Jr. (M)
Turner, R. E. (M)
Turner, R. E. (M)
Weber, H. E. (SM)
Weber, H. E. (SM)
Weber, H. E. (SM)
Williams, W. J. (A)
Wilson, S. J. (A) Wilson, S. J. (A)
Wong, J. B. (A)
Wooldridge, A. L. (SM)
Woolsev, W. O. (M)
Yarbrough, J. E. (SM)
Yokomoto, R. K. (A)
Young, R. L., Jr. (A)

Palatka (CF-3) Yelverton, C. W. (M)

Palm Bay (CF-3) Mesa, J. O. (SM)

Palm Beach (MIA-3) Sarbacher, R. I. (SM)

Palm Harbor (F-WC-3) Everitt, B. A. (M)

caim Harbor (F-WC-2)
Everitt, B. A. (M)

Panama City (NWF-P-3)
Ault, J. F. (M)
Bell, L. W. (M)
Bell, L. W. (M)
Bryant, W. E. , Jr. (M)
Cratwright, C. C. (M)
Crosbv, A. E. (M)
Davey, S. W. (A)
Davis, A. J. (M)
De Coutcolly, G. C. (SM)
Evien, H. M. (SM)
Galloway, R. T. (M)
Goodrich, R. F. (M)
Haoemann, J. (SM)
Haroer, F. M. (M)
Haulman, C. A. (SM)
Hill, J. W. (M)
Holm, C. H. (M)
Kleinfelder, D. S. (M)
Koesy, C. B. (M)
Llovd, B. H. (M)
Lowry, R. C. (M)
Martey, S. B. (M)
Martis, G. P. (M)
Miller, C. E. , Jr. (M)
Miller, C. E. , Jr. (M)
Miller, P. (M)

Moody, J. G. C. (M)
Murohree, F. J., Jr. (M)
Naas, H. M. (M)
Naeseth, M. H. (A)
Partridge, A. B. (M)
Penton, H. H. (M)
Nhyne, W. A. (M)
Spratt, R. E. (M)
Steffen, G. P. (M)
Teel. W. A. (M)
Thomas, A. M. (M)
Wheeler, R. H. (M)
Wheeler, R. H. (M) Whittaker, C. A. (M)

Wheeler, R. H. (M)
Whitaker, C. A. (M)

Patrick AFB (CF-3)
Abbitt, C. W. (M)
Anderson, J. P. (M)
Black, R. L. (A)
Blake, J. T. (M)
Borders, C. R. (SM)
Bursen, J. G., Jr. (M)
Camabell, C. C. (A)
Cloher, J. A. (M)
Day, R. W. (M)
Fada, C. V. (M)
Galloway, J. A. (M)
Haberhern, W. J., Jr. (M)
Haberhern, W. J., Jr. (M)
Hamerman, L. (M)
Hart, C. L. (A)
Hewett, C. W. (A)
Leonard, W. E. (M)
Leola, C. V. (A)
Leolard, W. E. (M)
McCoy, S. E. (M)
Mitchell, R. W. (M)
Moran, F. D. (SM)
Nelson, R. V. (M)
Perkins, F. M., Jr. (A)
Pisoeky, S. (M)
Quotidomine, F. (M)
Richardson, W. A. (M)
Ross, J. A. Jr. (M)
Rowland, M. O. (M)
Schum, E. J. (A)
Sellars, R. F. (M)
Schum, E. J. (A)
Sellars, R. F. (M)
Schum, E. J. (A)
Van Iderstine, T. J. (A)
Van Iderstine, T. J. (A)
Var Iderstine, T. J. (M)
Roscia (NWF-3)
Dunham, R. E. (M)

Pensacola (NWF-3) Isacola (NWF-3)
Dunham, R. E. (M)
Earns, E. W. (A)
Fisher, D. W. (M)
Hixson, W. C. (M)
Kohr, C. M. (A)
Moore, B. G. Jr. (A)
Owen, W. A. (M)
Reither, S. I. (M)
Simoson, E. S. Jr. (A)
Williamson, K. A. (A)

Pine Castle (ORL-3) Chin, W. Y. (M)

Pinecastle AFB (ORL-3) Duvoisin, P.F. (A)

Pinelas Park (F-WC-3) Cozart, A.B. (M) Kuckler, G.C. (M Ross, R.J. (A) (M)

Plant City (F-WC-3) Cockrell, J. H. (A) Kendrick, F. D. (M)

Pompano Beach (MIA-3) Burt, J. M. (A)
Johnson, T. B. (M)
Miller, J. M. (F)

Port Canaveral (CF-3)
Bryant, J. D. (A)
Ellis, G. W. (M)
Goff, H. C. (M)
Jacoby, M. C. (M)
Sanders, A. W. (M)
Sheppard, D. C. (M)

Port St. Joe (NWF-3) Mefford, C. W. (M)

Redington Beach (F-WC-3) Ebeling, W. (M)

Rockledge (CF-3) Childers, F. M. (A) Gallo, L. F. (A) Horchler, F. W. (M) Rawls, O. B. (M) Smith, D. L. (M)

Safety Harbor (F-WC-3) Farrar, H. B. (A) Legg, H. F. (A)

St. Augustine (CF-3) Berger, M. (A)

St. Petersburg (F-WC-3) Aucremann, R. C. (M) Bare, C. C. (M) Bartlum, G. C., Jr. (A) Bellare, D. (SM)

Benfield, C. W. (SM)
Boulay, R. R. (A)
Britton, E. R. (SM)
Brown, D. C. (M)
Carlson, K. L. (A)
Camevale, W. D. (M)
Carlson, W. L. (M)
Codding, W. J. (M)
Codding, W. J. (M)
Codding, W. J. (M)
Cooper, C. B. (A)
Councilman, C. L. (SM)
Davis, J. H. (M)
Dingley, E. N., Jr. (F)
Donaldson, M. R. (SM)
Durham, B. H. (M)
Dyer, J. H. (M)
Eliason, M. C. (SM)
Fazio, F. (A)
Felton, L. E. (SM)
Findley, L. K. (SM)
Garyer, R. H. (A)
Goldier, S. P. (M)
Gorzelez, R. E. (M)
Grieder, E. A. (A)
Griesi, R. N. (A)
Hamblin, L. A. (A)
Hamblin, L. A. (A)
Hart, W. F. (A)
Haudston, W. B. II (A)
Hommer, G. F. (M)
Hommer, G. F. (M)
Hoffman, R. S. (M) Norman, R. S., (M)
Horner, G. F., (M)
Jelen, M. J. (SM)
Johnson, R. E., (M)
Kamen, A. (M)
Katelansky, P. (M)
Kimberlin, D. E., (A)
Lawton, G. P., (SM)
Levine, A., (M)
Lindtner, E. G., (A)
Ludvick, C. A., (A)
Martoccia, F., Jr., (M)
Munday, T. W., (A)
Myers, R. T., (M)
Papariello, P. J., (A)
Parylin, R. H., (M)
Peacock, W. T., Jr., (A)
Pelton, E. A., (A)
Phillips, E. M., (SM)
Phillips, E. M., (SM)
Phillips, E. M., (SM)
Nowlinson, D. E., (M)
Rasmussen, R. M., (M)
Robinson, A. J., (M)
Rowinson, D. E., (M)
Sanyder, R. A., (M)
Sibley, R. C., (A)
Sibley, R. C., (A)
Sibley, R. C., (A)
Sibley, R. C., (A)
Simon, L. H., (M)
Simon, L. H., (M)
Sollie, S. A., (SM)
Sumoter, R. C., (A)
Taylor, J. R., (A)
Tuthill, A. F., (A)
Underwood, D. J., (SM)
Wallis, R. F., (A)
Wallis, R. G., (M)
Wallis, R. G., (M)
Wallis, R. G., (M)
Wallis, E. L., (A)
Wenz, C. P., (SM)
Willer, A. F., (M)
Willing, H. A., (M)
Willing, H. A., (M)

St. Petersburg, Beach (F-WC-3) Koechel, W. P. (VA) Landry, W. J. (SM) Monahan, H. J. (A) Wilson, R. G. (A)

Samoset (F-WC-3) Kramer, A.W. (SM)

Sanford (ORL-3) Cobb , A . E . (SM) Farrell , C . (M) Knight , L . A . (M) Levy , S . L . (M) Osborne . W . H . (A) Taylor , J . C . (MI) Woodruff , M . W . (M)

Sarasota (F-WC-3)
Belkin, M. (M)
Blesse, H. O. (M)
Cannon, R. S., Jr. (M)
Ensall, T. (M)
Fisher, S. (SM)
Harry, J. B. (A)
Janda, F. J. (A)
Loper, L. E. (A)

Magnin, J. P. (M)
Peck, W. D. (A)
Seitner, J. E. (M)
Sloughter, G. S. (SM)
Spencer, L. V. (M)
Stewart, T. E., Jr. (A)
Swain, W. H. (A)
Thorpe, C. R. (A)
Tisdale, G. E. (M)
Uglow, K. M., Jr. (SM)
Ulrey, D. (F)

Shallmar (NWF-3)
Bonner, J. R. (M)
Lowe, B. W. (A)
Mantey, W. F. (M)
Null, F. E. (M)
Overton, B. H. (SM)
Pfeiffer, D. A. (A)
Roth, A. Q. (M)
Shea, J. H. (A)
Von Wegern, F. C. (4)
Wagner, W. F. (M)

Sharpes (CF-3) Malcolm, A. (A) Olson, R. E. (M)

South Merritt Island (CF-3) Bass, D. C. (M)

South Miami (MIA-3) Andres, L. J. (SM) Lucas, F. B. (SM) Rich, R. S. (A)

Stuart (MIA-3) Bergdahl, L. A. (M)

Surfside (MIA-3) Lurie, E. M. (SM)

Tallahassee (NWF-3) Clifton, C. L. (M) Grafe, R. W. (A) Hall, H. (SM) Kromhout, O. M. (A) Ragsdale, W. E. (M) Rieker, J. P. (A) Saffer, R. A. (M)

Tamoa (F-WC-3)
Abremski, M. C. (A)
Anders, A. W., Jr. (M)
Bailey, D. C. (M)
Bascome, P. L. (A)
Begue, E. (M)
Bellavia, L. J. (A)
Boyd, R. M. (A)
Brice, J. R. (M)
Brown, L. C. (A)
Chandler, W. G. (M)
Ferquson, H. S. (A)
Glenn, R. (A)
Hackert, W., Jr. (A)
Husbands, C. L. (M)
Jean, R. P. (M)
King, C. J. (M)
Kotze, J. (A)
Landry, E. P. (A)
Landry, E. P. (A)
Martin, B. W. (M)
May, T. W. (A)
Mitchell, J. H. (M)
Moore, W. P. (SM)
Murphy, R. (SM)
Neeb, C. H. (A)
Nores, R. P. (M)
Nores, R. R. (M)
Nores, R. R. (M)
Nores, R. R. (M)
Nores, R. R. (M)
Nores, Turner. R. D. (A)
Uranga, E. (A)
Wascher, M. A. (M)
Weldon, J. W. (M)
Winfree, W. C., Jr. (A)

Tarpon Springs (F-WC-3) Ball, M.T. (M) Jones, E.W. (M)

Jones, E. W. (M)

Titusville (CF-3)
Amos, C. D. (A)
Blum, F. W. (M)
Brown, W. A. (M)
Byme, F. (A)
Cortright, P. W. (A)
Crager, J. A. (M)
D'Albora, J. B., Jr.
Davidson, H. K. (M)
Davidson, J. K. (M)
Drake, J. C. (SM)
Emdl. W. J. (A)
Falt, P. J. (A)
Gilmore, Q. E. (M)
Grieser, T. J. (M)
Grimm, E. M. (M)
Hendon, W. F. (A)
Hickey, J. R. (A)
Jackson, K. J. (M)
Klemm, H. L. (M)
La Jole, Z. A. (M) (SM) Schenck, A. K. (M) Siemen, H. A., Sr. (SM) Stroud, A. A. (A) Wheeler, W. P. (M)

Treasure Island (F-WC-3) Arena, F. G. (A) Augustine, E. F. (A)

Tvndall. AFB (NWF-P-3) Adair, B. M. (M)

Umatilla (ORL-3) Hierholzer, E. L. (M) Vossberg, C. A. (M) Wingfield, J. D. (M)

Valparaiso (NWF-3) Golden, R. J. (M) Sapp, E. F., Jr. (N Watts, R. N. (M) Womack, K. K. (M) (M)

Vero Beach (CF-3) Chorpening, C. M. (M) Paddock, D. G. (M) Van Dyck, A. F. (F)

West Hollywood (MIA-3) Quackenbush, F. R. (A)

West Miami (MIA-3) Konter, P. (A) Speirs, G. E. (A)

West Palm Beach (MIA-3) Cohen, M. J. (SM)
Edleman, V. W. (A)
Field, J. S., Jr. (M)
Gibson, H. C., Jr. (M)
Good, L. F. (M)
Holdren, E. H. (M)
Wernlund, R. F. (M)

Windermere (ORL-3) Towles, W. B. (SM)

Winter Garden (ORL-3) Grav. A R. (SM) McKee, M.L. (M)

Winter Haven (F-WC-3) Ahern. H. G. (A) Craig. L. O. (M) Potter, F. N. (M)

Craid. L. O. (M)
Potter, F. N. (M)
Potter, F. N. (M)
Winter Park (CF-3)
Barnev, J. M. (SM)
Birae, W. A. (A)
Boutwell. E. D. (M)
Bowers, R. S. (SM)
Boyles, G. W. (M)
Bradmiller, R. W. (A)
Center, M. (SM)
Chanev, H. L. (M)
Coocer, G. (M)
De Pasoualle, N. D. (A)
Doolittle, J. H. (SM)
Dryden, R. E. (SM)
Ebel, D. G. (A)
Engstrom, R. H. (A)
Ferguson, J. K. (M)
Gennett, K. A. (M)
Gimon, E. E. (M)
Harrison, P. W. (SM)
Holmes, G. A. (A)
Johnson, R. J. (A)
Le Gare, J. M. (SM)
Mustringer, J. R. (SM)
Meyerson, M. (SM)
Mockus, J. M. (SM)
Mockus, J. M. (SM)
Mockus, J. M. (SM)
Mell, W. C. Jr. (M)
Pearson, J. R. Jr. (M)
Pearson, J. R. Jr. (M)
Pierson, C. D. Jr. (SM)
Rilev, C. L. Jr. (M)
Romano, G. F. (M)
Simmons, C. A. (SM)
Simmons, C. A. (SM)
Simmons, C. A. (SM)
Varao, F. J. (A)
Williams, A. G. (M)
Williams, A. G. (M)
Williams, M. (A)
Wood, R. M., Jr. (SM)

GEORGIA

Albany (ATL-3)
Carman, H. B., Jr. (M)
Freund, K. M. (A)
Harris, J. W., Sr. (A)
Leger, P. P. (A) McClung, W. C. (M)

Athens (ATL-3) Graham, E., Jr. (M)

Atlanta (ATL-3) anta (ATL-3)
Adamson, H. D. (A)
Adarshold, H. J. (M)
Badgett, A. F. (M)
Bangs, P. C. (M)
Bass, H. W. (M)
Bennett, A. L. (SM)
Benson, J. W., Jr. (A)
Bezaire, W. A. (A)
Bivans, G. A., Jr. (M)
Bivins, W. P. (M)
Bivins, W. P. (M)
Blackwell, T. E. (A)
Blaine, W. E. (A)
Blakely, C. E. (M) Bondy, H. A. (VA)
Boufflou, C. L. (W)
Boyd, J. E. (SM)
Bradley, W. H. (M)
Bryant, D. J. (M)
Carr, R. T. (A)
Carler, J. V. Jr. (M)
Chick, E. B. (M)
Closton, L. Jr. (M)
Closton, L. Jr. (M)
Corriber, H. A. Jr. (M)
Corriber, H. A. Jr. (M)
Cradock, H. C. Jr. (M)
Craver, L. W. (M)
Crenshaw, B. M. (M)
Crowe, W. H. (M)
Dasher, B. J. (F)
Daugherty, C. F. (M)
Dean, H. G. Jr. (M)
Dean, H. G. Jr. (M)
Ellis, R. L. Jr. (M)
Ellis, R. L. Jr. (M)
Fattig, W. L. (M)
Finn, D. L. (M)
Glass, S. N. (M)
Glenn, L. E. (M)
Golsen, C. H. (A)
Guy, D. V. (M)
Hawthorne, G. B. Jr. (M)
Hawthorne, G. B. Jr. (M)
Hollis, J. S. (M)
Holling, R. R. (M)
Hollis, J. S. (M)
Holling, J. T. (M)
Jones, C. T. (M)
Mayo, H. L. (A)
McCorvey, A. (M)
Miller, W. (SM)
Mordis, F. J. (SM)
Mordis, F. J. (SM)
Morrissey, D. J. (M)
Noteshap, D. J. (M)
Noteshap, P. J. (M)
Noteshap, D. J. (M)
Noteshap,

Augusta (S-CAR-3) custa (S-CAR-3)
Cook, L. H., Jr. (A)
Cooper, L. D., Jr. (M)
Crosby, G. E. (M)
Eberl, R. C. (A)
Galloway, R. E., Sr. (SM)
Hudson, C. A. J. (A)
Pignataro, J. A. (M)
Smith, B. M. (M)
Swink, J. E. (A)
Tarpley, M. W. (M)
Walker, J. E. (M)
White, B. F. (A)
Williamson, W. A. (A) Austell (ATL-3)
Bowles, M. K., Jr. (M)

Bainbridge (ATL-3) Polone, R.W.(A)

Brunswick (ATL-3) Smith, J. E. (M) Welland, E. H. (M) Zax, J. A. (M)

Carrollton (ATL-3) Crawford, E. W. (M)

Chamblee (ATL-3)
Baran, M. (SM)
Carter, R. C. (M)
Duncan, C. L. (SM)

Cochran (ATL-3) Roth, F. P. (M)

College Park (ATL-3) Billings, R. H. (M)

Columbus (ATL-3) Des Portes, C. (M)
Gullatt, G. E. (M)
Hogencamo, H. C. (SM)
Knowles, R. G. (A)

Daiton (ATL-3) Andrews, J. S. (A)

Decatur (ATL-3)
Berry, G, C. (A)
Currie, C, H, (A)
Glenn, W, L., Jr. (M)
Harvey, J. (A)
Johnson, T, F. (M)
Moore, W, H, (M)
Robertson, D, W, (SM)
Seanor, J, C, Jr. (M)
Warren, W, B, Jr. (M)
Wilson, J, C, (M)

Dewy Rose (ATL-3) Rule, R. M. (A)

Doraville (ATL-3) Chupp, E. W. (M)
Goodwin, J. P., Jr. (M)
Shockley, T. D., Jr. (M)

Dunwoody (ATL-3) Payne, J. V., Jr. (M)

East Point (ATL-3) Cutler, E. C., Jr. (A) Hunt, J. N. (A) Brewer, R. V. (A)

Elberton (ATL-3) Paice, K. M. (A)

Fayetteville (ATL-3)
Day, J. T., Jr. (M)

Forest Park (ATL-3) Schmidt, H. H. (M)

Fort Benning (ATL-3) Clemons, J. K. (M) Kost, M. (A)

Fort Gordon (S-CAR-3) t Gordon (S-CA R-3)
Grayton, R. F. (M)
Rice, J. S. (M)
Uliman, H. L. (A)
Williams, H. C. (A)
Wurdemann, W. H., Jr. (SM)

Fort McPherson (ATL-3)

Fort Stewart (ATL-3) Caffey, T. W. H. (M)

Griffin (ATL-3)
Blasingame, J. R. (M)
Imes, G. C., III (A)

Hapeville (ATL-3) Almand, A. F. J. (A)

Kennesaw (ATL-3) Borman , A , P , (A)

Macon (ATL-3) Farber, E. (M) Hildreth, H. J. (A)

Hildreth, H. J. (A)

Marletta (ATL-3)
Cory, W. E. (SM)
Davis, C. C. (M)
Dunphey, H. B., Jr. (M)
Erwin, E. (SM)
Freeman, E. R. (M)
Griffin, C. H., Jr. (M)
Haley, D. C. (A)
Hatmaker, D. B. (M)
Holliday, F. S. (M)
Holliday, F. S. (M)
Jackson, J. C. (M)
Levine, R. B. (M)
Mash, J. T., Jr. (A)
McCurley, E. A. (M)
Moseley, R. E. (M)
Nicolaides, M. E. (M)
Stiltz, H. L. (M)
Watz, N. P. (M)

Whiffen, M.C.(A) Wilkinson, L.E.(A Wrigley, W.B. (SM)

Milledgeville (ATL-3) Rosser, B. M. (A)

North Atlantic (ATL-3) Gunson, D. O. (M)

Pooler (S-CAR-3) Newham, H.E.(A)

Powder Springs (ATL-3) Luedtke, A. (M)

Reynolds (ATL-3) Bond, D. E. (M)

Rome (ATL-3) Starr, R.A.L.(M)

Savannah (S-CAR-3)
Baker, F. E. (A)
Bigble, E. F. (A)
Chambers, D. T. (A)
Goodman, K. E. (M)
Leggett, A. G., Jr. (M)
Love, W. R. (A)
Miller, C. C. (M)
Nilsson, W. H., Sr. (M)
Orr, J. P. (M)
Turner, J. I. (A)

Smyrna (ATL-3)
Blanks, B. L. (M)
Brown, W. E. (M)
Haire, D. E. Jr. (M)
Hurst, H. C. (M)
Reach, W. L. (M)
Speer, T. K. (M)
Spencer, J. M., Jr. (M)
Welconten, B. (M) Weingarten, R. (M)

Summerville (ATL-3) Stowers, J. S. (M)

Thomasville (ATL-3) O'Quinn, P.D.(A) Totman, S.(M)

Thunderbolt (S-CAR-3) Zipperer, J. B. (A)

Tifton (ATL-3) Dozier, W. A. (M)

Valdosta (ATL-3) Ferguson, J. V. (M)

Warner Robins (ATL-3)
Bugg, K. W. (SM)
Burnett, T. H., Jr. (SM)
Gifflien, L. J. (M)
Jeffries, C. E. (M)
Kabrs, E. R. (M)
Paris, R. D. (A)
Wallis, C. L. (A)
Watts, F. B. (A) Watts, E. B. (A)

West Point (ATL-3) Hogg, J. C., Jr. (M) Strother, F. P. (M)

HAWAII

Hilo (TH-7) Neifert, K. G. (A)

HAWAII KAUAI

Naalehu (TH-7) Okuna, T. M. (A) Row, R. J. (A)

HAWAII MAUI

Kahului (TH-7) Katahara, S. (M)

Kihei (TH-7) Honea, L. W. (M)

Lahaina (TH-7) Nakamoto, M. (A)

HAWAII OAHU

Alea (TH-7) Kelly, V. (M) Nishimura, K. K. (A)

Ewa (TH-7) Lawlis, R. L. (A)

Ewa Beach (TH-7) Witt, A. J. B. (M)

Honolulu (TH-7)
Alden, R. M. (M)
Anderson, J. W. (A)
Arinaton, R. A. (A)
Asato, M. (A)
Atherton, J. B. (M)
Bell, R. E. (M)
Bekins, D. M. (A)
Brittle, D. F. (M)
Brittle, D. F. (M)
Chang, D. C. (M)
Chang, R. H. M. (M) Chang, R. H. M. (M)

Ching, R. T. K. (M)
Chun. R. H. C. (M)
Edwards, N. R. (SM)
Edwards, N. R. (SM)
Edwards, N. R. (SM)
Edwards, N. R. (SM)
Edwards, N. R. (A)
Fenner, P. R. (A)
Fenner, P. R. (A)
Fuchikami, A. H. (A)
Fulmura, T. M. (A)
Gliroy, R. B. (M)
Goo, J. F. S. (M)
Grubb, D. L. (M)
Harada, S. (M)
Harger, E. J., Jr. (A)
Harlan, R. A. (M)
Haga, K. (M)
Haga, K. (M)
Hooper, W. O. (A)
Hosokawa, K. (M)
Ing, J. C. Y. (M)
Iwai, K. G. (A)
Izumi, G. Y. (A)
Johnson, W. F. (M)
Johnson, W. F. (M)
Johnson, W. F. (M)
Kam, P. W. (M)
Kam, P. W. (M)
Kam, P. Y. T. (A)
Mang, Y. O. (M)
Kato, R. S. (A)
Kobayashi, H. K. (M)
Krulish, R. C. (A)
Kung, L. (A)
Lewbel, S. H. (M)
Lindemann, E. G. (A)
McLeod, J. S. (M)
McYeer, I. G. (M)
Mercer, I. G. (M)
Mercer, I. G. (M)
Mercer, I. G. (M)
Mercy, J. F. (A)
Miller, R. W. (

Kailua (TH-7) lua (TH-7)
Brenessel, A. (M)
Clark, G. W. (SM)
Collins, M. F. (SM)
Comez, A. L. (M)
Dashiell, D. H. (M)
Elderkin, C. D. (M)
Lane, H. (A)
Powell, R. M. (M)
Rotolo, N. V. (M)
Springel, M. (M)
Vittum, M. S. (SM)

Kneohe (TH-7) ene (IH-7)
Andrews, F. D. (A)
Buhrman, H. M. (A)
Lee, R. T. S. (A)
Tanigawa, N. F. (M)
Turner, H. E. (M)

Lanikai (TH-7) Hughes, G. R. (M)

Lualualei (TH-7) Bruce, C. A. (A)

Pearl Harbor (TH-7) Hiser, E. F., Jr. (M)
Maertz, W. A. (M)
Mason, F. L. (SM)

Wahiawa (TH-7) Hahn, G. K. P. (Janda, E. G. (A) Lachman, D. (M) (A)

Waianae (TH-7) Buxbaum, S. J. (A) Florez, H. (SM) Hoaq, D. S. (M) Murphrey, I. G. (M)

Waimanlo (TH-7) IDAHO

Arco (SLC-7) Pope, B. K. (MD

Bayview (SEA-7) Huckle, D. R. (M)

Boise (SLC=7) se (SLC-7)
Beadles, R.V.(M)
Betebenner, G.W.(M)
Oberbillig, D.D.(M)
Roberts, V.(A)
Ryman, J.L.(M)
Sternling, A.J.(M)

Bonners Ferry (SEA Gowen, R. J. (M)

ILLINOIS - 477 -

Idaho Falls (SLC-7)
Anderson, S. D. (A)
Blitch, M. G. (M)
Brockett, G. F. (M)
Criddle, C. B. (M)
Faller, J. H. (M)
Kendron, J. H. (M)
McCollom, K. A. (M)
McCollom, K. A. (M)
Mulchle, F. A. (A)
Purcell, R. B. (M)
Thompson, J. B. (A)
Wells, C. V. (M)

Lewiston (SEA-7) Neumann, W. E. (M) Olin, R. W. (M)

Moscow (SEA-7)

Beattle, L. A. (M)

Maxwell, L. M. (M)

McKean, G. A. (M)

Mountain Home (SLC-7) Judge, E. M. (A) Minich, C. E. (M) Ward, J. R. (M)

Pocatello (SLC-7) Glimour, G. A. (1/10) Kleffner, R. E. (A)

Rockford Bay (SEA-7) Webb, H.J.(M)

Twin Falls (SLC-7) Foss, M. L. (M)

Weiser (SLC-7) ILLINOIS

Addison (CHI-5) Bartlett. P. G. (SM) Davis. E. J. (A) Krause, E. H. (M) Lindsav, W. R. (M) Roberts, E. L. (M)

Algonouln (CHI-5) Peterson, W. G. (SM)

Alton (SL-6) Alexander, W. (M) Dav, R. T., Jr. (M) Schwandt, W. (A) Ullrich, D. P. (A)

Antioch (CHI-5)
Balsamello, J. (A)
Peckhousek, T. W. (A)

Peckhousek, T. W. (A
Arlinaton Helahis (GHI-5)
Babcock, L. V. (M)
Carmody, L. M. (M)
Coblenz, A. (SM)
Coblidae, J. E. (M)
Gerlach, A. (SM)
Heisia, G. J. (M)
Koeritz, K. W. (M)
Koeritz, K. W. (M)
Koeritz, K. W. (M)
Koeritz, J. M. (A)
Melvin, D. K. (M)
Ref, A. J. (M)
Patterson, W. S. (M)
Raef, A. J. (M)
Raef, A. J. (M)
Saxe, R. E. (M)
Saxe, R. E. (M)
Schroeder, K. W. (A)
Stout, E. R. (M)
Welvin, E. M. (SM)
Welvin, E. M. (SM)
Welvin, E. M. (SM)
Welvin, E. M. (SM) Weltin, O. K. (SM) White, J. F., Jr. (M)

Atlanta (CHI-5) Speciale, J. S. (A)

Aurora (CHI-5) Golz, H. C. (A)
Gramlev, W. D. (M)
Lamb, C. (M) Schultz, R. J. (M) Ziegler, A. A. (A)

Barrington (CHI-5)
Adler, W. A. (A)
Aram, N. W. (M)
Faullin, R. R. (M)
Gelzer, J. R. (M)
Krumhardt, C. (A)
Landeck, J. H. (M)
McNabb, L. A. (SM)
Nearing, F. G. (M)
Reichenbach, R. K. (M)
Stroh, W. J. (SM)

Bartlett (CHI-5) Ireian, H. F. (M) Tappan, P. W. (M)

Batavia (CHI-5) Siekman, W. J., Jr. (A)

Beeleville (SL-6) Belanger, D. S. (A Bright, J. A. (M)

Frierdich, W. J. (M)
Jarvis, A. B. (M)
Martinez, D. C. (A)
Mueller, T. E. (M)
Nance, M. E. (A)
Nance, W. F. (M)
Nevenner, R. J. (A)
Pfister, R. C. (M)
Reinioer, R. A. (A)
Scharrlinghausen, R. L. (M)
Stewart, J. H. (A)
Swantz, F. W. (SM)

Bellwood (CHI-5)
Baltezore, R. C. (M)
Castor, R. W. (M)
Lafferty, V. C. (M)
Marik, E. (A)
Molzahn, H. W. (M)
Novy, C. A. (M)
Sellen, D. E. (A)

Benld (CHI-5) Bertorello, T. A. (M)

Bensenville (CHI-5)
Bernstein, J. M. (M)
Druz, W. S. (SM)
Hitton, F. L. (SM)
Houghton, M. E. (A)
Houghton, M. E. (A)
Ozarka, R. J. (A)
Saoer, R. L. (A)
Saudinatits, E. (A)
Sullivan, E. F. (M)
Swanson, C. W. (A)
Uhl, M. H. (M)
Whiting, R. F. (SM)

Benton (SL~6) Munday, T. M. (M)

Berkelev (CHI-5) Drobish , R , W , (A) Eckmann , L , G , (A)

Berwyn (CHI-5)
Biss. M. W. (A)
Brazda. J. C. (M)
Cermak. C. W. (M)
Fanta. F. A.. Jr. (M)
Glozer. A.. Jr. (A)
Hevda. K. C. (M)
Jarrette. V. (SM)
Jendrzeiczwk. J. A. (A)
Johnston, R. G. (M)
Kovar. G. F. (M)
Mrazek. W. F. (M)
Niman. G. J. (M)
Overzet. J. K. (M)
Prentiss. J. G. (SM)
Russ. W. E. (M)
Sladek, N. J. (M)

Bloomingdale (CHI-5) Knechtel, R. E. (M)

Bloomington (CHI-5) Moulic, W. E., Jr. (M) Schweikert, W. R. (M)

Blue Island (CHI-5) e Island (CHI-5)
Damm, G. J. (A)
Engelland. G. C. (A)
Lamcha. F. J. (A)
Lawler, J. A. (M)
Quade, A. G., Jr. (M)

Bonfield (CHI-5) Demmer, L.T. (M)

Broadview (CHI-5)
De Both. R. F. (M)
Gago. W. J. (M)
Grav. R. O. (SM)
Wood, R. D. (M)

Brookfield (CHI-5) Holouch, D. J. (M) Miller, J. O. (A) Ruther, H. E. (M) Vuchetich, J. B. (A)

Calumet City (CHI-5) Maginot, J. J. (M) Oprisko, A. F. (A)

Carbondale (SL-6) Crosby, H. A. (M) Harbison, J. L. (M)

Carlock (CHI-5) Detweller, H. L. (M)

Carpentersville (CHI-5) McGann. W. E. (M) Ross, K. B. (M)

Carv (CHI-5) Fuglestad, K. R. (M)

Casevville (SL-6) Poston, H. J. (A)

Champaign (CHI-5) mmoarqn (CMI-5)
Albright, W. G. (SM)
Babcock, M. L. (M)
Bliss, R. W. (A)
Coleman, P. D. (M)
Divilbiss, J. L. (M) Ernst, E. W. (SM)
Grosvenor, H. D. (M)
Harlan, J. R. (M)
Hassler, S. S. (A)
Hotchkiss, S. E. (M)
Kabriskv, M. J. (M)
Kirkwood, B. D. (M)
Kreer, J. B. (A)
Leichner, G. H. (M)
Lo, Y-T. (M)
Maves, P. E. (A)
Meaother, R. E. (M)
Meast, P. H. (M)
Neal, J. P., III (M)
Nelson, G. L. (M)
Novick, R. (M)
Patton, W. T. (M)
Salvatore, J. (M)
Salvatore, J. (M)
Smith, R. S. (M)
Valnscott, J. M. (M)
Chaoin (CHI-5)
Fricke, K. M. (A)

Fricke, K. M. (A) Chicago (CHI-5)
Abraham, J. (M)
Admason, A. C. (A)
Addison, W. G. (M)
Adison, W. G. (M)
Adison, W. G. (M)
Adison, W. G. (M)
After, R. (F)
Affrunti, A. J. (M)
Ahring, F. E. (A)
Aito, I. (M)
Akimoto, W. M.
Alessio S. A. (A)
Ailen, P. G. (M)
Ailen, P. G. (M)
Ailen, P. G. (M)
Allenos, C. (M)
Anagnost, J. T. (SM)
Anderson, C. (M)
Anagnost, J. T. (SM)
Anderson, R. C. (M)
Anderson, R. C. (M)
Anderson, R. S. (A)
Anderson, R. S. (A)
Anderson, T. W. Jr. (M)
Annett, J. C. (M)
Annett, J. C. (M)
Argul, G. J. (M)
Anderson, H. A. (M)
Ashenhurst, R. L. (M)
Aktard, A. E. (A)
Avizienis, A. A. (M)
Backstrom, E. F. C. Jr. (A)
Balikov, M. H. (M)
Bats, W. J. (M)
Bats, W. J. (M)
Bats, W. J. (M)
Bats, W. J. (M)
Becker, H. W. (M)
Becker, H. W. (M)
Becker, H. W. (M)
Bell, K. R. (M)
Bervar, J. (SM)
Bervar, J. (SM)
Bilkor, R. W. (M)
Bell, K. R. (M)
Bervar, J. (SM)
Bilkor, R. W. (M)
Bilkor, R. W. (M)
Bilkor, R. W. (M)
Bilkor, R. W. (M)
Bilkor, R. M. (M)
Bilkor, R. A. (M)
Bilkor, R. M. (M)
Bilkor, R. A. (M)
Bilkor, R. M. (M)
Bilkor, R. A. (M)
Bilkor, R. M. (M)
Bilkor, R Chandler, J. F. (SM)
Chanman, R. H. (M)
Chanman, R. H. (M)
Cherskow, J. S. (A)
Chittenden, G. W. (M)
Chiu, P. (M)
Choncholas, J. J. (M)
Christensen, R. T. (M)
Clustiky, I. (M)
Clardy, L. (M)
Cleveland, V. K. (A)
Cody, R. W. (A)
Cohen, L. M. (M)
Cohn, G. H. (SM)
Cohn, G. H. (SM)
Cohn, S. I. (SM)
Color, C. M. (A)
Cooke, R. R. (M)
Cooke, K. R. (A)
Cooke, K. R. (A)
Cooperlan, V. J. (M)
Cord, J. H. (M)
Cord, R. J. (M)
Cord, R. J. (M)
Cord, R. J. (M)
Cord, R. J. (M)
Cord, R. R. (A)
Cooperland, P. L. (M)
Cord, R. J. (M)
Cord, R. J. (M)
Cortriolt, R. D. (M)
Cortriolt, R. D. (M) Correla, F. Jr. (M)
Correla, F. Jr. (M)
Correla, F. Jr. (M)
Correla, F. Jr. (M)
Coulter, W. H. (M)
Cox, C. R. (SM)
Cramer, G. T. Jr. (M)
Cramer, G. W. (M)
Cramer, G. W. (M)
Cramer, W. S. (M)
Crites, A. B. (A)
Crossley, A. (SM)
Crossley, A. (SM)
Cunliffe, P. R. Jr. (M)
Curlier, M. G. (M)
Dailline, E. K. (M)
Dailline, J. L. (M)
Dailline, E. K. (M)
Dailline, J. L. (M)
Dailline, J. L. (M)
Dailline, J. L. (M)
Dailline, J. L. (M)
Dailline, J. C. (M)
Davidson, P. (A)
Davidson, P. (A)
Davidson, P. (A)
Decko, K. R. (M)
Decko, K. R. (M)
Decko, G. J. (A)
Demasy, J. (A)
Direderichs, J. K. (A)
Direderichs, J. (M)
Dovatt, P. (A)
Direderichs, J. (M)
Fischer, R. (M)
Eilison, R. M. (M)
Eilison, R. M. (M)
Eilison, R. M. (M)
Eilison, R. M. (M)
Fillip, M. (M)
Fischer, G. J. (M)
Fischer, J. J. (A)
Fische

Gassner, F. (A)
Gawel, E. W. (A)
Gawes, F. J. (M)
Gehmlich, A. P. (A)
Gener, B. J. (M)
Genorerse, A. N. (A)
Gens, H. J. (M)
Gerber, H. L. (M)
Gerber, H. L. (M)
Gerson, I. V. (M)
Giacchetti, J. (SM)
Gerson, I. V. (M)
Giacchetti, A. D. (M)
Giertsen, E. J. (A)
Gientzer, K. V. (SM)
Giptis, N. (A)
Goedeke, R. C. (M)
Goldman, H. J. (A)
Goldsteln, M. (M)
Goldsworthy, W. T. (A)
Goldsworthy, W. T. (A)
Goldsworthy, W. T. (A)
Gordsworthy, W. T. (A)
Gray D. (VA)
Greenbeaum, E. N. J. (A)
Grossman, P. (M)
Grimme, H. J. (M)
Grimme, H. J. (M)
Grimme, H. J. (M)
Grimme, H. J. (M)
Hallidan, C. M. (M)
Haaland, C. M. (M)
Haaland, C. M. (M)
Hallidan, W. J. (M)
Hallidan, W. J. (M)
Hallidan, W. J. (M)
Hallidan, S. (A)
Harverson, S. L. (M)
Hanlid, R. B. (M)
Harvis, E. F. (M)
Hansen, T. A. (SM)
Harris, E. F. (M)
Harvis, E. F. (M)
Harvis, E. F. (M)
Harvis, F. S. (M)
Harvis, F. S. (M)
Harvis, F. S. (M)
Harvis, C. (M)
Harvis, C. (M)
Holley, M. V. (M)
Holubow, H. (M)
Holubow, H. (M)
Holley, M. V. (M)
Holouch, C. J. (M)
Holley, M. V. (M)
Holouch, C. J. (M)
Holley, M. V. (M)
Jonos, J. H. (M) Jones, T. L. (M)
Jonic, B. B. (M)
Junic, B. B. (M)
Juchnevicius, V. H. (M)
Jung, F. T. (A)
Jurewicz, R. E. (M)
Jurewicz, R. E. (M)
Jurewicz, R. E. (M)
Jurewicz, R. E. (M)
Kahn, B. (A)
Kahn, B. (A)
Kahn, L. (VA)
Kane, G. W. (A)
Kane, J. R. (M)
Kane, J. R. (M)
Kanour, R. (M)
Kanour, R. (M)
Kanour, R. (M)
Karolnski, E. W. (A)
Kazel, S. (A)
Keefe, J. T. (M)
Kehm, C. H. (M)
Keller, W. P. (A)
Keller, W. P. (A)
Keller, W. P. (A)
Kennedy, J. P. (M)
Kennedy, J. P. (SM)
Kennedy, J. A. (M)

KIIbum , A , B , (M)
Kinawill , H , S , Jr , (A)
Kirchner , L , P , (A)
Kirchner , L , P , (A)
Kirchner , L , P , (A)
Kirchner , M , M , (M)
Klapperich , A , J , (M)
Kloga , P , J , (M)
Kloga , P , J , (M)
Kloga , P , J , (A)
Komer , F , A , (SM)
Kohn , E , B , (M)
Koher , E , G , (M)
Kober , E , G , (M)
Kotmer , F , A , (SM)
Kotter , A , S , (A)
Kottweier , F , A , (M)
Kowilz , A , E , (SM)
Kowils , G , J , (A)
Kraltsik , N , I , (M)
Krakora , J , J , J , r , (SM)
Kreft , H , I , (M)
Kreft , H , I , (M)
Kreft , H , I , (M) Krefft, H. H. (M)
Krenbiel, K. O. (M)
Kroll, J. B. (M)
Krstenansky, J. S. (A)
Knueger, R. M. (SM)
Knueger, W. F. (M)
Kruse, H. J. (A)
Kuhr, K. F. (A) Kuhr, K. F. (A)
Kuhse, B. G. (M)
Kulosa, A. Jr. (A)
Kundrotas, A. P. (A)
Kurinsky, J. S. (M)
Kurland, J. J. (A) Kurano, J. J. N. Kvitek, G. L. (A)
Lace, M. A. (M)
Lages, P. N. Jr. (M)
Lange, J. R. (M)
Lange, J. R. (M)
Larson, W. L. (M)
Larson, W. L. (M)
Lear, P. J. (M)
Lee, D. K. K. (M)
Lee, W. (A)
Lee, W. (A)
Lee, W. (A)
Lee, W. (A)
Leon, C. C. Jr. (M)
Leon, S. P. (M)
Leon, J. C. (M)
Leon, J. C. (M)
Leon, J. (M)
Levin, H. (M)
Levin, H. (M)
Levin, H. (M)
Levin, N. L. (A)
Lewis, W. A. (SM)
Levin, H. (M)
Levin, M. C. (M)
Lizak, M. S. (M)
Liberman, A. (SM)
Liberman, A. (SM)
Liberman, A. (SM)
Liberman, M. D. (M)
Lilar, R. F. (A)
Loan, D. J. (A)
Loos, R. J. (M)
Lilar, N. E. (A)
Loos, R. J. (M)
Lilar, N. E. (A)
Loos, R. J. (M)
Marin, C. B. (SM)
Marin, C. B. (SM)
Marin, R. D. (A)
Marin, R. G. (M)
Marsiand, H. W. (A)
Marsalek, H. L. (A)
Marin, R. G. (M)
Martin, R. G. (M)
Ma Meyer, A. (A)
Meyers, F. (A)
Meyers, F. (A)
Milos, E. J. (M)
Miller, B. J. (SM)
Miller, C. G. (A)
Miller, E. L. (M)
Mills, G. G. (M)
Minkus, F. (M)
Miska, J. K. (M)
Mischell, F. R. (M)
Mitchell, J. F. (SM)
Mitchell, L. W. (M)
Mitchell, T. E. (A)
Mitchell, T. E. (A)

Miyasaki, J. K. (A)
Molyneaux, R. J. (A)
Molyneaux, R. J. (A)
Montemayor, J. U. (M)
Mooran, G. M. (M)
Moran, G. M. (M)
Morris, L. P. (VA)
Morrison, R. E. (M)
Movanian, J. F. (M)
Mueller, R. W. (M)
Morrison, J. C. (A)
Murphy, T. C. (A)
Murphy, T. C. (A)
Mirohy, T. C. (A)
Mirohy, T. C. (A)
Mirohy, T. C. (A)
Morson, R. A. (A)
Nail, J. J. (SM)
Nelson, R. A. (A)
Newman, J. E. (M)
Nesson, H. N. J. (M)
Nesson, J. E. (M)
Niederman, B. (SM)
Niederman, B. (SM)
Niederman, B. (SM)
Niederman, B. (SM)
Noskowicz, T. S. (M)
O'Brien, E. (VA)
O'Connor, J. F. (A)
O'Connor, M. J. (M)
O'Brien, E. (VA)
O'Connor, M. J. (M)
O'Grady, J. J. (M)
O'Grady, J. J. (M)
O'Grady, J. J. (M)
O'Grady, J. J. (M)
O'Shan, S. (M)
O'Shan, S. (M)
O'Shan, S. (M)
O'Neill, R. M. (M)
O'R. B. B. (A)
O'Reill, W. (M)
O'Reill, W. (M)
Parkinson, J. A. (M)
Peach, L. C. (A)
Parchim, R. V. (M)
Pearl, B. (M)
Pearl, B. (M)
Pedreson, R. W. (M)
Pedreson, R. W. (M)
Pedreson, R. W. (M)
Pedreson, R. W. (M)
Pooel, L. R. (M)
Pooel, J. J. (M)
Reichart, E. C. (M)
Reichart, E. (A)
Prince, R. T. (M)
Raish, W. L. (A)
Raififf, C. D. J. (A)
R Rosencranz, R. (M Ross, E. H. (SM) Ross, K. B. (VA) Rossi, C. V. (M) Rossi, J. B. (A) Rotter, A. (M)

Rounsaville, G. D. (M)

Rous, W. H. (A)
Rowe, T. L. (SM)
Rupp, H. R. (M)
Rusnak, M. (M)
Russell, B. J. (M)
Rukkowski, C. (A)
Ryan, L. J. (SM)
Rymas, S. J. (A) Sabel, C. L. (A)
Saffro, Y. L. (M)
Salamoto, M. (M)
Salatberq, T. (M)
Sakamoto, M. (M)
Salatberq, T. (M)
Sances, A. Jr. (A)
Sanderen, G. E. (SM)
Sanderen, G. E. (SM)
Sanderen, G. E. (SM)
Sanderen, G. E. (SM)
Sanderen, G. H. (A)
Schreit, M. (M)
Schreit, M. (M)
Schreit, P. J. (A)
Scherer, P. J. (A)
Scherer, P. J. (A)
Scherer, P. J. (A)
Schreit, E. M. (M)
Schreit, J. (M)
Shapiro, L. (A)
Shapira, F. M. (M)
Shapiro, L. (A)
Shapira, F. M. (M)
Shapiro, L. (A)
Shonerock, R. C. (M)
Shilberbauer, J. A. (A)
Silberbauer, J. S. (M)
Sondon, A. (M)
Solomon, J. L. (SM)
Solomon, J. L. (SM)
Solomon, S. S. (M)
Solomon, J. S. (M)
Sondon, S. S. (M)
Solomon, S. S. (M)
Susman, M. (M)
Sternlight, L. (M)
Sternlight, L. (M)
Sternlight, L. (M)
Stender, C. S. (M)
Susman, M. (A)
Suzuki, E. (A)
Sundit, F. H. (A)
Suzuki, J. C. (M)
Stender, C. S. (M)
Stender, C. S. (M)
Stender, C. M. (M)
Thompson, D. H. (M)
T

Van Zeeland, W. A. (M)
Verbanec, W. R. (M)
Viskanta, V. Z. (M)
Viskanta, V. Z. (M)
Viskanta, V. Z. (M)
Viskanta, V. Z. (M)
Viole, R. C. (M)
Voide, R. C. (M)
Waran, S. J. (A)
Wakahayashi, G. J. (M)
Walin, G. (M)
Wazio, C. S. (M)
Waska, W. E. (M)
Waska, W. E. (M)
Waska, W. E. (M)
Watkins, D. M. (A)
Watters, N. T. (M)
Wazio, C. J. (A)
Webb, E. M. (A)
Webber, L. J. (SM)
Weber, L. J. (SM)
Weber, L. J. (SM)
Weber, L. J. (M)
Wesen, J. S. (A)
Weise, D. (M)
Weise, D. (M)
Weisehar, W. J. (M)
Weisehburger, F. M. (M)
Weisehburger, F. M. (M)
Weisehar, W. J. (M)
Weisehar, W. J. (M)
Wessen, R. (M)
Western, C. (A)
Western, C. (A)
Weverich, R. N. (M)
Western, C. (A)
Wevyrich, R. N. (M)
Weiser, J. S. (M)
Weyrich, R. N. (M)
Whitner, R. J. (M)
Whitner, R. J. (M)
Whitner, R. J. (M)
Whitner, R. J. (M)
Whitner, R. C. (A)
Whitner, R. C. (A)
Whitner, R. C. (A)
Wickline, B. D. (M) Whitney, S. D. (A)
Wickline, B. D. (M)
Wickline, B. D. (M)
Wickline, B. D. (M)
Widdro, S. B. (A)
Wiglanton, R. J. (A)
Williams, J. J. (M)
Winter, G. L. (M)
Wissows, S. (M)
Wolfe, F. R. Jr. (SM)
Wolfe, F. R. Jr. (SM)
Wolfe, J. R. (M)
Woods, A. R. (M)
Woods, A. A. (VA)
Woronowicz, E. M. (M)
Woods, A. A. (VA)
Woronowicz, E. M. (M)
Wray, P. G. (M)
Wyay, P. G. (M)
Yahalom, J. Y. (M)
Yello, J. F. (M)
Yello, J. F. (M)
Zidda, W. L. (A)
Zimbler, F. B. (M)
Zimmerman, D. A. (A)
Zinkus, A. J. (A)
Zucker, H. (M)
Zuchls, E. J. (A)

Chicago Heights (CHI-5)
Easterwood, H.W. Jr. (A)
Vellender, G.C. (M)
Warner, D.L. (A)

Chicago Ridge (CHI-5) Ferre, G.E.(M)

cero (CHI-5)
Atkinson, J. E. (M)
Bielsik, F. J. (M)
Borowski, R. E. (A)
Cech, E. J. (M)
Dubauskas, S. (M)
Gritton, R. D. (A)
Hajek, A. F. (M)
Herling, D. L. (M)
Jucius, S. W. (M)
Karklys, J. (M)
Kliore, A. J. (M)
Mitchell, D. F. (A)
Padgett, W. J. (A)
Slad, G. F. (A)
Tanana, E. J. (M)
Viach, G. (A)
Wein, F. (A) Cicero (CHI-5)

Clarendon Hills (CHI-5)
Casey, P. J. (A)
Oawson, J. W. (A)
Hardis, R. N. (M)
Knox, J. G. (M)
Marks, M. (SM)
Sayles, H. L. (A)
Valihora, S. M. (A)

Clinton (CHI-5) Rein, J. J. Jr. (M)

Collinsville (SL-6)
Austin, L.S.(M)
Roschke, T.H.Jr.(M)
Sobotka, H.J.(A)
Weber, J.E.(M)

Crystal Lake (CHI-5)
Falk, B. (A)
Hawkins, B. C. (M)
Smith, G. B. (A)
Wells, J. G. (M)

Danville (CHI-5) Booth, R.C.(M) Thiede, P.W.(M)

Decatur (CHI-5)
Abfalter, H. F. (SM)
Barber, M. W. (A)
Cupp, E. W. (M)
Dikinis, D. V. (M)
Koenig, H. G. (A)
Sarikas, R. H. (M)
Williams, D. A. (M)

Deerfield (CHI-5) Tried (CHI-5)
Clough, K. (VA)
Gertz, N. M. (A)
Haas, W. F. (A)
Mirkin, M. (M)
O'Neal, C. D. (M)
Petzing, E. W. (M)
Phillips, W. E. (M) Schlote, R. H. (M)

De Kalb (CHI-5) Andersen, C. W. (SM) Ritland, R. B. (M) Tsao, P. Y. S. (M)

TSao, P. Y. S. (M)

Des Plaines (CHI-5)

Adams, E. C. (M)

Beeson, W. E. (A)

Bendell, C. B. (M)

Boyd, D. M. Jr. (SM)

Bushman, S. F. (M)

Carver, R. L. (M)

Collins, F. V. (SM)

Doering, J. H. Jr. (A)

Gifford, G. D. (A)

Githens, T. A. (SM)

Godawski, T. J. (A)

Hanen, R. K. (M)

Henrich, C. A. (A)

Himebrook, F. C. (M)

Koenig, G. (A)

Kritzanosky, A. (A)

Lassila, A. A. (A)

Lauffenburger, H. A. (A)

Maine, C. P. (A)

Makinson, G. E. (M)

Meyers, K. W. (M)

Naslund, R. S. (VA)

Rathbur, E. R. J. (M)

Stelle, A. J. (M)

Suain, J. E. Jr. (A)

Swain, J. E. Jr. (A)

Swain, J. E. Jr. (A)

Swanson, C. R. (M)

Utter, R. A. (A) Weinberg, M. (A)

Dixon (CR-5) Albright, L.E.(A)

Dolton (CHt-5) Jezewski, J. E. (M) Pendleton, A. D. (A) Wajda, J. P. (M)

Wajda, J. P. (M)

Oowners Grove (CHI-5)

Bateman, L. A. (A)

Brookshier, W. K. (M)

Courchene, H. B. (SM)

Daniels, R. E. (M)

Eddy, W. L. (M)

Fitzsimmons, W. L. (A)

Frauens, W. R. (A)

Goertz, R. C. (M)

Harder, R. B. (M)

Hess, D. C. (M)

Johnson, A. R. (A)

Kamof, H. A. (SM)

Mikta, D. O. (A)

McDonell, W. J. (SM)

Miller, E. A. (SM)

Rohde, R. E. (M)

Sieth, H. P. (A)

Van Keulen, A. J. (M)

White, R. F. (M)

Wood, R. E. (SM) Wood, R.E. (SM)

Dundee (CHI-5) Spiro, S. J. (M) Wendt, R. H. (A)

Du Quoin (SL-6) Millunzi, P. T. (A)

Dwight (CHI-5) Seabert , F. (A)

East Dubuque (CHI-5) Walsh, W. J. (M)

East St. Louis (SL-6) Barnard, G. E. (M)
Bauer, F. W. (A)
Mutchek, J. H. (A)
Sirtak, R. V. (M)
Wagner, M. L. (M)
Wise, H. G. (SM)

Elgin (CHI-5)
Brandes, W. M., Jr. (M)
Butzman, L. E., Jr. (A)
Crago, P. H. (M)
Kercher, M. K. (A)

Lang, G. W. (M)
Mitchell, R. M. (A)
Peterson, E. K. (SM)
Schimpf, R. G. (M)
Soper, G. T. (SM)
Walters, P. M. (A)

Elk Grove Village (CHI-5) Fullerton , W. T. (M) Hrbek , G. W. (M) Teslik , J. A. (M)

Elmhurst (CHI-5) shurst (CHI-5)
Aberer, J. C. (M)
Ablars, F. (A)
Ballars, F. (A)
Balhorn, D. W. (A)
Beck, V. R. (SM)
Beler, M. G. (SM)
Belville, J. R. (M)
Berg, H. (M)
Cox, B. O. (M)
Cox, B. O. (M)
Davis, J. (SM)
Davis, J. (SM)
De Shona, J. A. Jr. Davis, J. (SM)
De Shong, J. A., Jr. (SM)
De Shong, J. A., Jr. (SM)
Deterville, R. J. (M)
De Vries, A. J. (M)
Disney, V. H. (SM)
Fink, J. G. (M)
Foot, N. J. (M)
Gotb, R. L. (M)
Gula, H. E. (M)
Gurtz, V. J. (M)
Haines, D. G. (SM)
Huston, P. D. (A)
Keamey, L. E. (M) Kearney, L. E. (M) Keranen, E. W. (M) Keamey, L. E. (M)
Keranen, E. W. (M)
Kocsis, L. L. (M)
Kroger, M. G. (SM)
Kutschke, E. F. (A)
La Taste, G. D. (A)
Liepelt, E. (M)
Liston, K. L. (A)
Marshall, F. R. (A)
McGee, C. G. (M)
Mingle, R. F. (A)
Nettlifee, G. R. (M)
Orme, D. T. (A)
Probeck, C. (SM)
Rogers, C. H. (SM)
Ronzheimer, S. P. (SM)
Sandberg, E. L. (M)
Schultz, C. J. (M)
Shea, G. J. (M)
Starek, R. A. (M)
Thielen, L. R. (A)
Troxel, R. E. (A)
Vogt, A. L. (M)
Von Fredersdorff, G. C. (Mobber) Vogt, A. L. (M)
Von Fredersdorff, G. C. (SM)
Weber, V. F. (A)
Webster, S. K. (M)
Wellestat, C. E. (A)
Williams, J. T. (M)
Winemiller, H. R. (M)
Wray, W. C. (SM)

Elmwood Park (CHI-5)
Balsamelo, J. (M)
Casper, R. (M)
Coon, W. B. (A)
D'Orio, A. F. (SM)
Griffith, F. W., 11 (M)
Lindeman, R. J. (M)
Pakan, J. J. (M)
Van Berkum, P. A. (M)
Wilson, M. J. (M)
Wolf, A. (A)

Energy (SL-6) McSherry, J. H. (A)

Inston (CHI-5)
Aagaard, J. S. (M)
Beam, R. E. (F)
Bennett, R. E. (M)
Bowman, J. R. (SM)
Brodwin, M. E. (M)
Brodwin, M. E. (M)
Brown, A. C. L. (M)
Busch, A. E. (M)
Cozzens, W. B. (SM)
Cudahy, M. J. (M)
Davis, G. L. (A)
Endo, C. M. (A)
Flan, A. (M)
Frank, W. K., Jr. (A)
Frerlchs, R. (SM)
Gage, D. S. (M)
Garbarino, H. L. (SM)
Graham, J. M. (M)
Handsy, R. M. (A)
Handsy, R. M. (A)
Hart, J. W. (M) Evanston (CHI-5) Hart, J. W. (M)
Hollander, A. (M)
Horwitz, S. J. (M)
Hupp, C. E. (A)
Huxtable, C. K. (SM)
Jenness, R. R. (SM)
Jones, R. W. (SM)
Kalman, J. (M) Jones, K. W. (SM)
Kalman, J. (M)
Kao, L. (M)
King, G. A., Jr. (A)
Levine, M. B. (M)
Lyon, J. A. M. (SM)
MacDonald, W. F. (M) Maliby, A. I. (A) Maxon, E. K. (M)

Murphy, G. J. (M)
Orner, R. J. (M)
Paradise, M. E. (SM)
Paterson, W. L. (M)
Paterson, W. L. (M)
Pinz, G. J. (M)
Potter, J. D. (A)
Prince, M. B. (SM)
Prisekin, C. (M)
Rockewood, C. H. (M)
Rollefson, K. E. (SM)
Saberson, C. J. (A)
Sabin, E. R. (A)
Schmidt, G. W. (M)
Schroeder, J. J. Jr. (M)
Shevick, P. (M)
Shevick, P. (M)
Shevick, P. (M)
Speck, L. P., Jr. (M)
Sugarman, M. L., Jr. (SM)
Thacher, L. A. (A)
Toth, W. S. (M)
Upadhyaya, S. P. (M)
Vaniemond, H. K. (A)
Van Ness, J. E. (SM)
Ziegler, G. E. (SM)

Evergreen Park (CHI-5) Hirsch, A. (M) Kostyal, S. P. (M) Lox, G. P. (M) Venema, R. E. (A)

Fairbury (CHI-5) Eilers, C.G.(M)

Flossmoor (CHI-5) Caywood, T. E. (M)

Forest Park (CHI-5) Fasick , R . C . (SM) Semmer , J . W . (M)

Fox Lake (CHI-5) Johnson, G. A. (M)

Franklin Park (CHI-5)
Brewster, F. C. (SM)
Brockett, D. F. (A)
Brumbach, J. F. (M)
Lucas, D. T. (M)
Niemoller, J. F. (M)
Padditt, K. W. (M)
Passow, L. F. (A)
Schoeneck, W. H. (A)

Freeport (CHI-5)
Barker, V. S. (SM)
Coleman, J. J. (M)
Ebert, F. C. (M)
Greene, K. D. (A)
Harrington, J. (M)
Lincoln, J. K. (A)
O'Connell, G. (VA)
Wincovitch, D. (A)

Geneva (CHI-5) eva (CHI-5)
Clarke, R.E. (M)
Gruen, Y.E. (M)
Junkins, A.H. (M)
Robbins, R.W. (SM)
Soderquist, R.K. (M)
Winston, R.H. (SM)

Genoa (CHI-5) Wylle, J. R. (A)

Georgetown (CH1-5) Snyder, D. A. (M)

Glencoe (CH1-5) Brown, J. E. (F) Camras, M. (F) Ferry, J., Jr. (A) Heuer, C. H. (M) Kurland, J. J. (A) Spiegel, G. W. (M) Thompson, C. W. N. (M) Whitman, M. R. (A)

Glen Ellyn (CH1-5) n Ellyn (CHI-5)
Christensen, A. (SM)
Davis, R. H. (M)
Dyer, R. A. (M)
Harris, B. J. (M)
Kidd, W. E. (SM)
Kleker, J. H. (A)
Knowles, H. S. (F)
Krleg, B. E. (M)
Lincicome, J. R. (SM)
Managan, W. W. (M)
MOhler, R. D. (M)
Pearson, O. A. (M)
Peascon, O. A. (M)
Rebeschini, I. C. (M)
Sharp, E. M. (M) Rebeschini, I. C. (M)
Sharp, E. M. (M)
Shelton, E. D. (A)
Shoebridge, R. C. (M)
Stewart, J. R. (SM)
Tingley, E. M., Jr. (M)
Whiteside, J. R. (A)
Woolsey, R. J. (M)

Glenview (CHI-5)
Blyth, R. A. (M)
Bodnar, L. L. (M)
Burns, G. K. (SM)
Byrnes, W. P. (M)
Carlson, R. D. (M)
Carroll, P. F. (M)
Casciotti, R. J. (A)
Cushman, E. A. (A)
Darsch, A. P. (M)

Dunn, W. L. (F)
Fulenwider, J. E. (M)
Goss, C. G. (M)
Gouch, G. L. (M)
Hayes, W. R. (M)
Hoffsuemmer, M. A. (A)
How, F. B. (A)
Iversen, R. L. (M)
Jorgensen, C. M. (SM)
Kelley, W. A. (SM)
Leslie, W. G. (M)
Lewis, G. E. (A)
Loh, G. M. (M)
Magnuski, H. (SM)
Magnuski, J. F. (SM)
Palmquist, J. F. (SM)
Peliffer, H. F. (M)
Siwy, D. J. (M)
Slayton, R. D. (SM)

Golf (CH1-5) Boyajian, J. A. (SM)

Granite City (SL-6) Metcalf, W. L., Jr. (M) Pender, P. S., Sr. (SM)

Graylake (CHJ-5) Perkins, H. T. (M)

Great Lakes (CHI-5) at Lakes (CHI-5)
Dzierski, M, P, (M)
Ferri, J, F, (M)
Fischer, D, W, (A)
Hudson, C, A, (A)
Jones, A, V, (SM)
Trip, R, E, (M)

Harvey (CHI-5) Karlson, A. T. (M) Nieckula, E. W. (A) Swain, L. T. (M)

Hazelcrest (CHI-5) Berry, R. F. (A) Brown, W. H. (A)

Highland Park (CHI-5) hland Park (CHI-5)
Arnolt, A. K. (A)
Cherry, W. L. Jr. (M)
Durkee, C. E. (M)
Firestone, W. L. Jr. (M)
Kiver, M. S. (M)
Hirshberg, W. L. Jr. (M)
Kiver, M. S. (M)
Laoin, S. P. (SM)
Lee, W. W. (A)
Penocerberg, L. E. (SM)
Rose, J. K. (M)
Schover, D. S. (SM)
Schwalm, W. A. (SM)
White, E. S. (SM)

Hillside (CHI-5) Anderson, R. L. (M) Biba, R. J. (A) Huisjen, A. J. (M)

Hinsdale (K.H.-5)
Clark, J. M. (SM)
Dumanowski, R. J. (A)
Frederico, J. C. B. (M)
Glessner, F. W. (M)
Hemminder, D. H. (M)
Hummel, J. P. (M)
Jackson, A. S. (A)
Mac Donald, A. A. (SM)
Neelv, O. P. (A)
Perkins, E. S. (SM)
Wesselman, E. (VA)

Hollywood (CH1-5) Poll, V. M. (A)

Homewood (CHI-5)
Bickel. R. C. (M)
Bielenfin. A. (A)
Bremiaan. R. O. (M)
Crotty. R. E. . Jr. (M)
Koennen. W. J. Jr. (M)
Krahe, L. R. (SM)
Walovich, J. J. (M)

Hooceston (CHI-5) Chorney, P. L. (M)

Hubbard Woods (CHI-5) Miller, H. N. (M)

Ingleside (CHI-5) Reese, K. E. (M)

Itasca (CHI-5) Trzvna. J. (A) Van Anrooy, P. H. (M)

Joliet (CHI-5)
Gerdes. R. C. (A)
Marcetts, W. R. (M)
Movr. J. F. (SM)
Shuba, J. P. (M)
Soerelakis. P. (M)
Szeada. A. (M)
Ulisse, T. J. (A)

Kankakee (CHI-5) Bernier, V. A. (A) Palermo, P. A. (A)

Kenilworth (CHI-5) Petersen, R. P. (SM)

Kewanee (CHI-5) Cook, D. J. (A)

Kilbourne (CH1-5) Green, J. L. (M)

Knoxville (CHI-5) Wood, D. H. (M)

La Grande (CHI-5)
Allen, H. E. (SM)
Brodie, G. H. (M)
Brown, P. E. (A)
Collins, E. A. (M)
Cox, W. C. (A)
Fox, J. H. (M) Fox. J. H. (M)
Gellatlv. J. S. (SM)
Hohmann, C. R. (M)
Kikts. J. (A)
Knouf, R. J. (SM)
Lubin, M. (M)
Medill. J. W. (M)
Miller, J. M. (SM)
Raiser, E. N. (M)
Read, R. A., Jr. (M)
Schulz, E. H. (F)
Snellina, E. A. (SM)
Steohens, R. L. (A)
Urroe, J. L. (A) Unroe, J. L. (A)

Chroe, J. L. (A)

La Grange Fark (CIII-5)

Anderson, C. J. (M)

Bouska, J. F. (M)

Chambers, H. L. (M)

Frihart, H. N. (M)

Kash, R. M. (M)

May, F. D. (M)

Orwin, R. J. (M)

Vogele, F. C. (M)

Wehrle, R. (A)

Lake Bluff (CHI-5) Glasel, W.B. (M) Kramer, A.W. (M) La Rose, A.P. (M)

Lake Forest (CHI-5) te Forest (CHI-5)
Barrett , A , M , , Jr , (M)
Byrne , W , C , , Jr , (M)
Faulks , H , R , (M)
Galitz , R , J , (A)
Peugh , W , E , (M)

Lake Villa (CHI-5) Ruck, R.C.(M)

Lake Zurich (CHI-5) lves , R . D . (SM) Krueger , E . P . (A)

Lansing (CHI-5) Burdeau, J. R. (A) Huitema, R. L. (M) Wells, J. F. (M)

La Salle (CHI-5) Kobold, J. W. (A) Lemanski, A. B. (M)

Lemaniski, A. B. (M)

Lemont (CHI-5)
Anderson, T. T. (M)
Brar, S. S. (M)
Brill, T. (SM)
Connor, D. W. (M)
Frigerio, N. A. (A)
Lovoff, A. (SM)
Ramp, R. L. (A)
Richards, H. K. (VA)
Rockwood, C. C. (A)
Ryan, H. T. (A)
Vianna, A. C. (A)

Lenzburg (SL-6) Krause, H.J.(A)

Libertyville (CHI-5)
Bottorff, P. A. (M)
Bruna, R. F. (M)
DeWitt, W. H. (A)
English, W. C. (M)
Law, J. M. (A)
Relckert, E. A. (M)
Samelson, L. R. (A)
Weil, G. M. (M)

Lincoln (CHI-5) Clemens, R. L. (Ernst, R. F. (M) . (A)

Lincolnwood (CMI-5)
Dervishian, E. (M)
Ditthardt, A. R. (M)
Fenton, M. J. (M)
Figge, E. E. (M)
Goldfus, S. M. (SM)
Herst, R. J. (M)
Kaluzna, I. J. (M)
Roberts, E. A. (SM)
Osifert, M. L. (M)
Unick, J. J. (M)
Waterman, H. C. (M)

Lisle (CHI-5) McMahon, D. W. (A) Prokes, P. H. (M) Yeoman, S. J. (A)

Lockport (CHI-5) Nystrom , A. V. (M)

Lombard (CHI-5) Abrath, C.E.(A) Addy, J. R. (M)
Bartha, S. J. (A)
Beebe, C. W. (A)
Berby, R. E. (M)
Borchardt, R. L. (M)
Buckley, G. F. (A)
Caldwell, J. Jr. (SM)
Canell, G. P. (A)
Combs, J. P. (M)
Dunbar, E. A. (A)
Fyler, G. W. (SM)
Grisanti, J. L. (A)
Gunn, D. L. (A)
Hartley, R. L. (M)
Hotchkiss, C. S. (M)
Jackson, W. C. (SM)
Lawb, R. W. (A)
Lomasney, J. M. (SM)
Martino, L. J. (A)
Mattingly, L. J. (A)
McCreary, H. J. (SM)
Orszula, N. R. (SM)
Pomon, J. D. (M)
Puhalski, D. (A)
Smith, A. P. (M)
Smith, D. W. (M)
Tschannen, R. F. (SM)
Van Geen, J. (M)
Williams, P. B. (SM)
Van Geen, J. (M)
vidon Mills (CHI-5)

London Mills (CH1-5) Benson , L. G. (A)

Loves Park (CHI-5) Eksten, D. G. (M)

Lyons (CHI-5) Bratschun, R. C. (M)
Petrini, A. A. (A)
Polich, W. J. (M)

Macon (CHI-5) Fathauer, G. H. (SM)

Manlewood (SL-6) Burton, F. E. (A)

Marengo (CHI-5)
Arnold, R. M. (VA)
Lewis, H. A. (M)
Parnell, R. A. (A)
Van De Houten, R. S. (M)

Marion (SL-6) Levesque, J. J. (A) McCormick, J. E. (M)

Marissa (SL-6) Church, C. J. (M)

Markham (CHI-5) Hunt. M. L. (A) Mayoros, W. A. (A)

Marquette Heights (CHI-5) Miller, W. B. (A)

Matteson (CHI-5) Feehery, J. T. (A)

Mattoon (CHI-5) Betz, J. D. (M)

vwood (CHI-5)
Bastlan, D. W. (M)
Bliss, G. B. (SM)
Del Camo, S. M. (F)
Donaldson, R. J. (SM)
Forst, P. P., Jr. (M)
Hall, H. R. (A)
Jakobsons, A. (A)
Komm, P. M. (VA)
Laube, W. C. Jr. (M)
Lee, C. (M)
Little, T. P. (M)
Maees, L. J. (M)
Richards, H. F. (A)
Ruby, E. S., Jr. (M) Maywood (CHI-5)

McHenry (CHI-5) Longley, J. K. (A) Palmer, F. J. (M)

Irose Park (CHI-5)
Bachhuber, R. A. (M)
Backman, K. E. H. (SM)
Bell, R. W. (A)
Carson, G. B. (A)
Cohoon, R. L. (M)
Craique, A. (A)
Early, J. M. (A)
Early, J. M. (A)
Early, J. M. (A)
Fetzner, R. W. (M)
Filicel, F. J. (A)
Fullerton, P. L. (M)
Habs, J. K. (A)
Hesser, C. B. (M)
Jaster, D. R. (A)
Kowalik, R. F. (M)
Maza, G. M. (M)
Nemcek, G. M. (A)
Nemcek, G. M. (A)
Rayanesi, R. M. (M)
Rutka, E. P. (M)
Vokoun, R. C. (A)
Zimmerman, J. (M) Melrose Park (CHI-5)

Midlothian (CHI-5) Browne, R. A. (M)

Modesto (CHI-5) Launer W H (M)

Mokena (CHI~5) Book. E. G. (SM) Collins, L. R. (A)

Moline (CR-5) Martensen. M. D. (A)
Oppenheimer. E. P. (M)
Parkhurst. J. E. (A)
Steffes, R. M. (A)

Monee (CHI-5) Turner, J., Jr. (VA)

Monticello (CHI-5) Cummins, R. L. (M)

Morris (CHI-5) Kang, K. H. (A)

Morrison (CHI-5) Van Osdol, R. I. (M)

Morton Grove (CHI-5) Ackerman, N. A. (M) Beneke, E. H. (M) Burns, R. P. (A) Cohn, J. (M) Burns, R. P. (A)
Cohn. J. (M)
Dal Corobbo, B. V. (M)
Dennis, R. J. (M)
Duvall, T. E. (A)
Frank, R. B. (M)
Gallaoher, J. A. (SM)
Gillesoie, N. R. (A)
Gould, E. (A)
Lange, W. W. (M)
Michel, W. A. (M)
Neukuckatz, A. (A)
Neumark, J. (A)
Neumark, J. (A)
Neumark, J. (A)
Neumark, J. (A)
Sienelman, A. (SM)
Sienelman, A. (SM)
Sienelman, A. (SM)
Sienelman, A. (SM)
Stastrv, G. F. (SM)
Stastrv, G. F. (M)
Volter, F. A. (M)
Wittkop, C. F. (M)
Wittkop, C. F. (M)

Mt. Olive (CHI-5) Strien, G. W. (M)

Mt. Prosoect (CHI-5) Bastian. E. (M)
Berg. H. O. (A)
Bernin, V. M. (M)
Bryner, D. B. (M)
Bull, R. W. (M) Bryner, D. B. (M)
Burl, R. W. (M)
Burlon, J. W. (M)
Cromer, E. G. (M)
Czerooski, W. P., Jr. (M)
Evans, K. T. (M)
Goldstein, R. (M)
Huber, R. H. (M)
Johnson, J. T. (M)
Jov. W. F. (M)
Karres, G. E. (M)
Kremoel, F. M. (SM)
Mac Askill, R. B., Jr. (SM)
Mann, R. W. (A)
Medal, R. J. (M)
Mokate, G. M. (M)
Raloh, J. T. (M)
Schumacher, J. H. (SM)
Shemanske, R. (M)
Termoka, J. A. (M)
Wallace, H. S. (M)
Wallace, H. S. (M)

Mundelein (CHI-5) ndelein (CHI-5)
Borg. A. N. (M)
Chudd. R. G. (M)
Fltz-hugh. C. D. Jr. (M)
Mitchell. C. A. (M)
Musal. H. M. (M)
Nation. J. E. (A)
Nienaber. F. . Jr. (M)
Pacholke, F. (SM)

Naoerville (CHI-5) Bouwman, B. J. (M) Fancher, J. R. (M) Havworth, D. F. (SM) Johnson, M. C. (M) Nider, M. E. (M)

New Lenox (CHI-5) Johanson, E. W. (M) Whalen, J. F. (M)

Niles (CHI-5) es (CHI-5)
Bero, S. (M)
Bero, S. (M)
Broullera, F. J. (A)
Burl, F. J. (M)
Costello, L. B. (M)
Del Vento, J. M. (M)
Greenway, R. J. (SM)
Kahover, C. R. (A)
Klammer, R. W. (M)
McMullen, C. W. (M)
Pullis, J. H. (SM)
Schwarzenbach, E. E. (M) Normal (CHI-5) Ewald, E. R. (M) Johnston, J. L. (M) Olson, B. (M) Wilcox, S. R. (A)

Norridge (CHI-5) LakowskI, F. (M)

North Aurora (CHI-5) McIlvaine, O. T. (M)

Northbrook (CHI-5)
Amdursky, M. E. (A)
Conway, P. W. (A)
Crimp, J. G. (SM)
Hill, C. F. (A)
Plvan, D. B. (SM)
Pospisil, J. F. (M)
Sherrick, D. C. (M)

North Chicago (CHI-5) Cormack, J., G., (M) Hudson, T. B., Jr. (A) Kasouf, G. (A) Novak, P. D. (M) Units, E. R. (A) Weirlich, H. P. (A) Youngquist, D. (M)

Northfleld (CHI-5) Clark, R. V. (M) Green, L. F. (A)

Northlake (CHI-5) Cawthon, E.F. (M) Clark, D. E. (SM) Dimmer, R. P. (SM) Moinar, I. (SM)

North Lake City (CHI-5) Dolhar, J. L. (A) Romano, S. S. (A)

North Riverside (CHI-5) Beck, J. H. (M) Sklom, G. M. (A)

Oak Lawn (CHI-5) k Lawn (CHI-5)
BlevIns, E. L. (A)
Grace, B. J. (M)
Hansen, L. H. (M)
Hultberg, R. M. (M)
Jann, E. G. (M)
Kasper, F. S. (M)
Martin, R. B. (A)
Morkliney, R. L. (M)
Poncinie, D. J. (A)
Scharding, R. M. (M)
Thomas, C. B. (A)

Oak Park (CHI-5) Alliot, E., Jr. (M)
Anderson, C. M. (A)
Armstrong, M. M. (M)
Bard, R. E. (SM) Beggs, W. C. (A)
Beltz, R. E. (SM)
Benson, A. L. (M)
Benson, A. L. (M)
Benson, R. W. (M)
Benson, R. W. (M)
Berzuly, H. J. (M)
Bier, D. (M)
Bier, D. (M)
Bryan, R. H. (M)
Cotsworth, A., III (SM)
Delzell, R. P. (M)
Duffy, E. J. (M)
Duffy, E. J. (M)
Fitch, W. M. , Jr. (M)
Fockens, P. (M)
Fitch, W. M. , Jr. (M)
Goobel, E. S. (M)
Goobel, G. C. (A)
Linglian, V. (SM)
Graziano, V. (SM)
Graziano, V. (SM)
Graziano, V. (SM)
Hanson, G. R. (A)
Ihde, W. M. (SM)
Jeffery, T. H. (M)
Knoblock, G. C. (A)
Larson, R. P. (M)
Lenox, W. S. (A)
Linell, C. S. (A)
Linell, C. S. (A)
Marin, J. W., Jr. (M)
Marsh, R. E. (SM)
Marsh, R. E. (SM)
Marsh, R. E. (SM)
Marsh, R. E. (SM)
Morawetz, F. (M)
Peterson, R. M. (M)
Pey, H. C. (VA)
Redfield, S. I. (A)
Russell, W. D. (M)
Sprunger, R. W. (M)
Staumton, J. J. (SM)
Travis, W. (A) Travis, W. (A)
Van Scoyoc, J. N. (SM)
Vitous, J. P. (A)
Wise, G. H. (M)
Wunderlich, N. E. (M)
Yoder, R. S. (SM)
Zender, R. G. (SM)

Oblong (\$1 -6) Kocher, D. G. (M) O'Fallon (SL-6) Hansbrough . F. G. (M) Schaefer , R. J. (A)

Orland Park (CHI-5) Green, R. E. (SM) Morrison, P. (A) Strolk, R. G. (A) Woodbury, H. L. (M) Yang, R. F. H. (SM)

Ottawa (CHI-5) Ftacek, J. J. (A) Meyer, C. H. (A)

Palatine (CHI-5)
Belschel J. R. (A)
Currey, C. H. (M)
Medek, J. D. (M)
Powers, J. S. (M)
Ryan, R. J. (SM)
Sahl. G. R. (M)
Schreler, L. W. (SM)
Thompson, R. T. (M)

Palos Helights (CHI_5) Brown, M. H. (A)
Scheldorf, M. W. (F)
Sommeria, M. R. (A)

Palos Park (CHI-5) Cairnes, W. E. (SM) Lloyd, W. P. (M) Weiss, M. (M)

Pana (CHI-5) Castle, C. A., Jr. (A)

Park Forest (CHI-5)
Bond, M. E. (M)
Christian, A. M. (M)
Clements, L. D. (M)
Hartman, R. B., II (M)
Keiter, C. W., II (A)
Kozel, M. S. (A)
Maravich, R. (A)
Schuherr, R. M. (SM)
Schwartz, E. S. (M)
Vogt, A. R. (A)
White, O. (M)

rk Ridge (CHI-5)
Ashby, A., T. (M)
Boe, R. E., (A)
Boesen, G. F. (M)
Bridges, J. E. (SM)
Brown, J. M. (M)
Brown, W. (M)
Clark, J. T. (SM)
Crow, R. P. (M)
Daul, R. M. (M)
De Cola, R. (F)
Edwards, F. W. (M)
Erwood, J. (SM)
Famsworth, G. W. (M)
Figlewicz, R. C. (A)
Griffith, B. G. (SM)
Hooper, W. D. (M)
Johnson, H. A. (A)
Kusack, W. P. (A) Park Ridge (CHI-5) Kusack, W. P. (A)
Middleton, R. G. (SM)
Middleton, R. G. (SM)
Mueller, A. J. (M)
Nitschke, W. J. (M)
Passow, E. B. (SM)
Perry, J. T. (M)
Reukauf, D. C. (M)
Schornan, S. W. (M)
Schornan, G. (M)
Silver, J. F. (M)
Van Bosse, J. G. (A)
Wertwill, G. (SM)
Wiszowaty, C. B. (M) Wiszowaty, C. B. (M) Zenner, R. E. (SM)

Pecatorica (CHI-5) Antwerp, M. C. (VA)

Peoria (CHI-5) Bishop, J. W. (A) Costa, P. J. (SM) Hammond, W. M. (M) Weinberg, P. (M)

Philo (CHI-5) Hohn, F. E. (A)

Plainfield (CHI-5) Hartong, H. H. (M)

Plano (CHI-5) Beetham, R. B. (M)

Prospect Heights (CHI-5)
Bergman, E. J. (A)
Carlson, E. V. (SM)
Jackson, J. J. (A)
Kongable, L. S. (M)
Wiecek, E. J. (M)

Quincy (CHI-5) ncy (CHI-5)
Bush, R. S. (SM)
Butcher, J. H. (A)
Cooper, R. L. (M)
Delacy, E. M. F. (M)
Fortman, N. C. (M)
Hackbarth, H. R. (M)
Hoyt, W. A. (M) Jochem, N. L. (SM) Roling, J. T. (M) Stratman, H. G. (M) Weibler, C. T. (SM) Wheeler, J. C., Jr. (Wheeler, J. C., Jr. (A) Wilder, E. J. (A)

River Forest (CHI-5)
Devale, D. P. (M)
D'Orio, P. A. (SM)
Hilbert, F. H. (M)
Hupert, J. J. (SM)
Schultz, A. A. (M)

River Grove (CHI-5) Bousky, S. (SM)
Dunn, J. R. (A)
Green, L. H. (A)
Henke, W. G. (SM)
Tarantur, S. (M)
Wolf, M. (SM)

Riverside (CHI-5) Perside (CHI-5)
Brooks,R.D.(SM)
Cinak,W.E.(A)
Fligel,W.P.(M)
Hajek,R.J.(M)
Kean,W.F.(SM)

Robinson (SL-6) Moore, R. W. (A)

Rochester (CHI-5) Kessler, W. D. (M)

Kessler, W. D. (M)

Rockford (CHI-5)
Appelgren, J. W. (A)
Armstrong, J., E. (A)
Berglund, D. B. (A)
Bowie, D. L. (M)
Bullen, C. V. (M)
Falk, W. R. (M)
Hand, C. A. (M)
Hand, C. A. (M)
Hand, C. A. (M)
Hand, C. A. (M)
Honson, T. W. (M)
Kyburz, U. L. (M)
Leber, D. A. (A)
Marcollini, V. H. (M)
Massey, J. (A)
Peck, R. E. (M)
Steiner, J. E. (M)
Tveit, T. J. (M)
Welherman, R. J. (M)
Woolums, L. L. (A)
Zarembski, A, T. (A)
Rock Island (CR-5)

EXISIAND (CR-5)
Elliott, H, R, (M)
Scott, A, R, (A)
Sinnett, R, J, (SM)
Stapp, E, B, (M)

Rolling Meadows (CHI-5) Bonnell, D. W. (M)
Panec, D. O. (M)
Stecker, J. W. (A)
Wiencek, Z. (M)

Roselle (CHI-5) Callahan, B, E, (M)
Goodrich, P, D, (M)
Hovinen, R, W, (M)
Nakata, C; K, (SM)
Oppenheimer, D, S, (SM)
Roenitz, R; K, (A)

Round Lake (CHI-5) Meuer , A . (M) Steffee , J . W . (A)

St. Beardstown (CHI-5) Pickett, R. E. (A)

St. Charles (CHI-5) Charles (CHI-5)
Block, A. F. (M)
Chodl. C., Jr. (M)
Prescott, F. H., Jr. (N)
Suoitllov. M. C. (SM)
Wohlert, A. M. (M)
Wolhowe, M. V. (M) (M)

Savanna (CHI-5) Smith, D. A. (A)

Savov (CHI-5) Wood, W. W. (M)

Schiller Park (CHI-5) Offner, F. (SM) Ranke, K. R. (M)

Scott AFB (SL-6) Bovle, J. A. (M)
Cambell, D. L. (A)
Glkas, G. N. (M)
Kovar, M. M. (SM)
Thrush, T. W. (M)
Watts, H. T., Jr. (A)

Shirlev (CHI-5) Alley, R. P. (M)

Skokie (CHI-5) Adler, H. J. (SM) Axelrod, L. R. (M) Bien, F. I. (M)

Carlson, D. A. (A)
Carter, R. W. (A)
Cooper, M. (M)
Dols, J. M. (M)
Pols, J. M. (M)
Faln, D. L. (A)
Flower, W. (M)
Frantz, N. (A)
Fruth, H. B. (M)
Frantz, N. (A)
Fruth, H. F. (SM)
Gordon, D. (A)
Kaminskv, L. M. (M)
Lemoner, J. S. (M)
Lemoner, J. S. (M)
Mossow, H. J. (M)
Mossow, H. J. (M)
Mossow, H. J. (A)
Nitchals, J. L. (A)
O'Callandan, J. J. (SM)
Osborn, R. L. (SM)
Osborn, R. L. (SM) Osborn, R. L. (SM) Pawiowski, F. L. (A Osborn, R. L. (SM)
Pawlowski, F. L. (A)
Pierce, C. B. (M)
Pierce, C. B. (M)
Purkis, R. E. (M)
Ouateman, M. H. (SM)
Rovston, M., F. (SM)
Saper, J. (M)
Seaal, A. A. (M)
Stiefel, P. (M)
Susman, M. (M)
Thomas, R. G. (A)
Toback, P. L. (M)
Warnke, G. F. (M)
Warnke, G. F. (M)
Wayne, H. A. (SM)
Wickstrom, S. T. (M)
Woods, H. (A)
Wynstock, S. (A)
Yefsky, S. A. (M) (A)

Snarta (SL-6) Huss, J. W. (M)

Springfield (CHI-5) Prindfield (CHI-5)
Bowers T. N. (A)
Hem. R. J. (A)
Leach. E. A. (SM)
McGee. K. (SM)
Oram. D. K. (VA)
Owens. D. A. (A)
Pline. R. A. (M)
Stock, B. L. (M)
Thomas. C. C. (M)
Vesner. M. C. (A)
Wilson, H. C. (M)

Steger (CHI-5) Holmes, H. H. (M)

Sterling (CHI-5) Drane, R. L. (M)

Strasburg (CHI-5) Risser, F. G. (A)

Streator (CHI-5) Gotch, J. X. (A)

Stronghurst (CHI-5) Wilson, D. L. (A) Summit (CHI-5)

Berberek, W. J. (A) Taylorville (CHI-5) Smith, W. D. (A)

Tinlev Park (CHI-5) Peterson, J. W. (M)

Urbana (CHI-5) ana (CHI-5)
Allen, J. S. (A)
Allinaton, R. W. (M)
Ballev, A. D. (SM)
Auth, L. V. Jr. (M)
Anner, G. E. (SM)
Bauman, P. A. (M)
Becker, R. C. (M)
Brown, R. M. (M)
Burtness, R. W. (SM)
Costa, M. J. (A)
Crothers, M. H. (SM)
Davidson, R. A. (M)
Deschamos, G. A. (SM) Davidson, R. A. (M)
Deschamos, G. A. (SM)
Dimond, J. (M)
Dougal, A. A. (M)
Dvson, J. D. (M)
Emerv, W. L. (SM)
Everitt, W. L. (F) Eventt, W. L. (F)
Fett. G. H. (F)
Frv. W. J. (M)
Goldstein. L. (F)
Gooch. J. D. (M)
Havden. E. C. (M)
Hedvio. T. 1. (M)
Hendricks. C. D. Jr. (M)
Holshouser. D. F. (M)
Hudson, P. K. (SM)
Isbell. D. E. (A)
Jensen. R. S. (M) Isbell, D, E, (A)
Jensen, R, S, (M)
Joehlin, N, C, (M)
Jones, E, C, Jr, (A)
Jordan, E, C, (F)
Kenvon, R, J, (M)
Knoebel, H, W, (A) Kuo, B, C, I, (M) Lenoir, S, P., Jr. (M)

Mast. P. E. (M)
Maveda. W. (M)
Maveda. W. (M)
McVav. M. S. (SM)
Mittra. R. (M)
Mittra. R. (M)
Mirell. J. L. (A)
Murrell. T. A. (M)
Mvers. J. J. (SM)
Poonelbaum. W. J. (A)
Ricketts. L. W. (M)
Robertson. J. E. (M)
Ruina. J. (M)
Sandoulst. J. W. (A)
Schwarzlose. P. F. (SM)
Sinclair. G. (F)
Souhler. H. A. (M)
Strain. R. J. (M)
Swartwout. R. E. (SM)
Swartwout. R. E. (SM)
Troadon. R. L. (M)
Troadon. R. L. (M)
Troadon. R. L. (M)
Tykociner. J. T. (SM)
Van Valkenbura. M. E. (SM)
Was. N. (M)
Webb. H. D. (SM)
Weeks. W. L. (A)
Westlund. C. D. (SM)
Ven. (CM)
Ona (CHI-5) Wheeling (CHI-5) Coomes, P. S. (M) Naber, J. S. (M) Wildwood (CHI-5)

Verona (CHI-5) Dix, F. W. (A)

Villa Park (CHI-5) la Park (CHI-5)
Carr. J. E. . Jr. (M)
Fackenthal. D. F. (A)
Fernandez. D. T. (A)
Fernandez. D. T. (A)
Fernandez. D. T. (M)
Gorbunoff. A. (SM)
Mathews. C. A. . Jr. (M)
Norbera, L. R. (M)
Sebastian. R. W. (A)
Soarf. W. H. (M)
Todd. A. C. (SM)
Waiters. A. R. (M)
Zaruba, E. J. (SM)

Virden (CHI-5) Carr, H. E. (A)

Warren (CHI-5) Townsend, H. D. (M)

Washington (CHI-5) Newell, J. S., Jr. (M) Overley, J. P. (A) Planck, R. M. (M)

Waukegan (CHI-5) kegan (CHI-5)
Anderson, C. A. (M)
Beane, E. A. (M)
Biscomb, L. I., Jr. (M)
Cain, R. J. (M)
Jensen, G. (M)
Krasovec, A. C. (A)
Nevin, M. E. (A)

Westchester (CHI-5)
Binkis, A. M. (M)
Davies, D. C. (M)
Floyd, E. C. (SM)
Frankart, W. F. (M)
Gabriel, R. R. (M)
Moryan, R. E. (M)
Pecina, R. J. (M)
Stones, A. E. (M)

West Chicago (CHI-5)
Hessler, O. G. (SM)
Hummel, H. J. (M)
Merda, W. R. (A)
Rullman, E. E., Jr. (A)
Scandora, A. E. (A)

Western Springs (CHI-5)
Bracken, J. F. (M)
Cannon, C. D. (M)
Dondanville, R. V. (SM)
Gray, G. E. (SM) Gray, G.E.(SM)
Hungerford, N.C.(A)
Kramer, K.(SM)
Scott, W.S.(M)
Swanson, B.E.(M)
Turke, B.A.(M)
Valach, C.F.(M)
Wernecke, H.W.(A)

West Melrose Park (CHI-5) Dietz, L. A. (A)

West Salem (E0-5)

Maas, J. L. (A)

Wheaton (CHI-5)
Batts, R. L. (SM)
Calobrisi, P. (A)
Doemer, R. C. (A)
Duncan, D. C. (M)
Emaus, J. L. (SM)
Frank, C. W. (M)
Gaskins, S. M. (M)
Hausten, D. R. (A)
Hoekje, J. W. (M)
Jenson, M. R. (A)
Joyner, A. A. (SM)
Klem, R. F. (SM)
Matthews, G. D. (M)
Olson, W. H. (M)
Olson, R. H. (SM)
Parker, N. W. (A)

Quist, W. G. (M)
Rohrer, C., Jr. (M)
Savage, L. E. (M)
Sawada, F. H. (SM)
Smith, R. H., Jr. (M)
Squires, E. G. (M)
Thompson, D. C. (M)
Upton, E. C., Jr. (M)
Venema, H. J. (SM)
Ward, A. G. (SM)
Willyard, C. H. (A)

Jarvis, G.R.(M)

Wilmette (CHI-5)
Bell, J. F. (SM)
Beroaw, O. M., Jr. (M)
Bosshart, R. F. (M)
Canning, T. B. (A)
Crossley, R. C. (M)
Cutlin, S. B. (M)
DI Cecio, S. A. (M)
Edens, G. E. (M)
Fleumain, W. H. (M)
Keller, E. A. (SM)
Mine, L. M., Jr. (SM)
MacLean, N. W. (M)
McJohnston, C. A. (M)
Papier, J. H. (M)
Papier, J. H. (M)
Ponkowski, E. F. (M)
Schnell, W. J. (SM)
Shuey, L. S. (A)
Smith, E. L. (M)
Sorsen, S. L. (A)
Steel, F. R., Jr. (A)
Steel, F. R., Jr. (A)
Steel, F. R. (M)
Warshawsky, J. (SM)
Wexler, J. S. (SM)

Winfield (CHI-5) Teske, H.O.(A)

Winnetka (CHI-5)
Berglund, A.O., Jr. (M)
Carlson, G.R. (A)
Howell, E.R., Jr. (A)
Ward, R.W. (M)

Wonder Lake (CHI-5) Thompson, A.C.(M)

Wood Dale (CHI-5) Gardner, R.O.(M) Maldak, A.M.(M)

Woodstock (CHI-5) Kiciak, C. J. (A)

Zion (CHI-5) Albert, A. A. (A) McDowell, J. L. (M)

INDIANA

Anderson (IND-5)
Carothers, F. S., Jr. (M)
Gardner, R. A. (A)
Heller, R. E. (M)
Holt, D. L. (M)
Liston, W. S. (M)
Merritt, D. E. (A)
Phegar, C. L., Jr. (M)
Rath, G. A. (M)
Soeller, A. L., Jr. (M)

Angola (FT-W-5)
Abaderash, T. K. W. (A)
Ax, L. S. (SM)
Farbach, J. R. (A)
Hanson, L. G. (A)
Southem, C. D. (A)
Stevens, D. R. (A)
Westenhaver, M. E. (A)
Worden, L. E. (A)

Arcadia (IND-5) Nightenhelser, K. W. (M)

Aubum (FT-W-5) Capen, G. A. (M)

Aurora (CIN-4) Achatz, R. V. (M)

Beech Grove (IND-5) Achzehner , R . Q . (M)

Bloomington (IND-5) omington (IND-5)
Bahr, W.; B., (M)
Bough, J., N., (A)
Dixon, L., W., (SM)
Gribben, J., C., Jr., (A)
Hackemeyer, R. F., (A)
Krepps, J., E., Jr., (SM)
Presti, B., (M)
Siddons, G. F., (SM)
Svanascini, A. L., (SM)
Tarzian, S., (SM) Chalmers (IND-5) Banes , D. E. (A)

- 481 -

Chesterton (CHI-5) Olson , E , H , (A)

ClarksvIIIe (LOU-5) Yochem, J.F. (A)

Columbus (IND-5)
 Dugan , J. M. (M)
 Harden , R. D. (A)
 Kelly , J. R. (A)
 Selenius , O. E. (M)
 Silva , A . D. , Jr. (M)
 Silva , L. F. (M)
 Stambaugh , D. W. (M)

Connersville (CIN-4) Rose, G. C. (M) Whatley, R. L. (M)

Crane (E0-5) Finley, R. W. (M)

Crown Point (CHI-5) Skooq. R. E. (M) Graiber, R. S., Jr. (M)

Culver (SR-M-5) Hannabach, J. (M)

Cumberland (IND-5) Keeling, C. J. (M)

Danville (IND-5) Behvmer, D.E. (M) Miller, W.E. (A)

Dayton (IND-5) Yost, K. E. (M)

Demotte (CHI-5) Johnson, R. C. (A)

East Chicago (CHI-5) Nesbitt, E. P. (A)

East Gary (CH1-5) Johnson , J. A . (M) Mundell , E . H . (A)

Mundell, E. H. (A)

Elkhart (SB-M-5)

Best, J. G. (A)

Budd, W. H. (M)

Dailv. A. M. (M)

Dotv. J. S. (M)

Faber, W. M. Sr. (M)

Gaddie, G. E. (M)

Houck, H. Jr. (A)

Kent. E. L. (SM)

Kiffer, G. H. Jr. (A)

Klinoer, J. F. (A)

Krauss, S. L. (M)

Lindahl, H. C. (M)

McDonald, L. J. (M)

Mcore, C. C. (M)

Nicelv, W. A. (A)

Osburn, C. M. (M)

Roberts, M. W. (M)

Smith, R. A. (A)

Turner, B. S. (M)

Vaksvik, A. J. (M)

unsville (E O-5)
Caraway, J. B. (SM)
Casler: M. S. (M)
David. C. E. (M)
Dufford, R. T. (SM)
Fischer, N. C. (A)
Fischbert, W. D. (M)
Gennes, F. A. (SM)
Geroson, J. H. (A)
Hatfield, P. E. (M)
Hennel, J. R. (M)
Herndeen, O. V. (A)
Koonce, C. W. (M)
Krueger, O. H. (A)
Malor, J. R. (M)
Miles, K. G. (M)
Miles, K. G. (M)
Ouirk, J. A. (A)
Schoene, R. L. (SM)
Schoene, R. L. (SM)
Scholar, W. F. (A)
Scholtz, W. F. (A)
Schultz, W. F. (A)
Schultz, W. F. (A)
Schultz, W. F. (A)
Williams, W. A. (SM) Evansville (EO-5)

Williams, W. A. (SM)

Fort Wayne (FT-W-5)
Amos. B. (M)
Artman. R. L. (M)
Bardonner, W. J., Jr. (M)
Bardonner, W. J., Jr. (M)
Beach. H. W. (M)
Beach. H. W. (M)
Beach. H. E. Y., Jr. (M)
Bilake, J. A. (A)
Bilake, J. A. (A)
Bilake, J. A. (M)
Bilake, J. A. (M)
Bilake, J. A. (M)
Broseohini, B. L. (M)
Broseohini, B. L. (M)
Broseohini, B. L. (M)
Cain. R. F. (M)
Camenter, D. L. (M)
Casteel, B. G. (M)
Clark. J. R. (SM)
Clements, L. F. (M)
Close, E. F. (M)
Costney, A. E. (M) Jr. (M) Coatnev. A. E. (M)

Swanson, E. S. (A)
Teetor, T. S. (A)
Thomson, J. L. (A)
Tleszen, D. J. (M)
Toohio, M. F. (M)
Torrim, W. J. (M)
Torram, N. T. (M)
Trimarchi, J. (M)
Valertine, F. C. (M)
Warle, W. D. (SM)
Wallace, C. E. Jr. (M)
White, F. A. (M)
Wiber, D. (A)
Wible, D. (A)
Wible, P. E. Jr. (A)
Williams, W. J. Jr. (M)
Wolfcano, L. G. (M)
Zbacnik, E. V. (M) Coles, D, K. (SM)
Collins, G, E. (SM)
Cook, D, W. (M)
Cramer, L. F. (SM)
Cramer, L. F. (SM)
Cramer, L. F. (SM)
Dean, W. A. (A)
Deecker, S. M. (M)
Dees, J. W. (M)
Dees, J. W. (M)
Dees, J. W. (M)
Dreisbach, R. H. (M)
Dve, N. E. (M)
Edebert, J. D, (SM)
Emerv, R. C. (A)
Farnsworth, P. T. (F)
Fisher, D. E. (A)
Folks, R. C. (A)
Folks, R. C. (A)
Folks, R. C. (SM)
Freimann, F. (SM)
Garrett, L. A. (M)
Giffin, G. S. (M) Coles, D. K. (SM) Garrier, L. A., wn)
Gostochall, W. O. (M)
Gostochall, W. O. (M)
Gosonch, L. E. (SM)
Gramer, E. E. . Jr. (M)
Farmorok, H. E. (M)
Hambrock, H. E. (M)
Hambrock, H. E. (M)
Hambrock, H. E. (M)
Hardwick, C. L. (SM)
Hedeen, F. D. (A)
Helmerich, L. W. (SM)
Herdrox, W. B. (M)
Herdrox, M. K. (M)
Herdrox, M. K. (M)
Herdrox, M. C. (M)
Houser, N. W. (M)
Houser, N. W. (M)
Houser, N. W. (M)
Houser, N. W. (M)
Hosser, R. G. (M)
Juroensen, C. W. (M)
Juroensen, C. W. (M)
Juroensen, C. W. (M)
Karlan, R. (M)
Karlan, R. (M)
Karlan, R. (M)
Keller, V. L. (M)
Karlan, R. (M)
Keller, V. L. (M)
Karlan, R. (M)
Keller, W. J. (M)
Keller, W. J. (M)
Keller, W. L. (M)
Karlan, R. (M)
Marin, R. F. (A)
Mast, P. L. (M)
Marin, R. F. (A)
Mast, P. L. (M)
Marin, R. F. (A)
Mast, P. L. (M)
Marin, R. R. (M)
Miller, H. E. (M)
Marin, R. S. (M)
Marin, R. R. (SM)
Murphy, L. W. (M)
Moore, K. F. (A)
Mount, E. Y. (M)
Murphy, L. W. (M)
Poole, R. E. (M)
Researd, R. A. (A)
Richards, C. A. (M)
Reicheson, W. E. (M)
Reserson, G. D. (SM)
Revaod, R. A. (A)
Richards, C. A. (M)
Robertson, G. D. (SM)
Robertson, G. D. (SM)
Robertson, G. D. (SM)
Robertson, G. D. (SM)
Robertson, G. D. (SM) Franklin (IND-5) Reuss, R. E. (M) Galveston (IND-5) Buehler, E.R. (A)

Gary (CHI-5)
Barancyk, V. (A)
Biro, D. J. (A)
Buccicone, V. S. (M)
Donalley, H. E. (A)
Ireland, R. P. (M)
Jauch, K. E. (M)
Philbin, J. A. (A)
Rado, J. A. (SM)
Rathay, S. (A) Ratkay, S. (A) Shirk, K. C. (VA)

Goshen (SB-M-5) Corporan, R. P. (M) Harrison, E. F. (A)

Grabill (FT-W-5) Phillips, T. H. (M)

Granger (SB-M-5) Ammon, J. A. (A) Rach, R. D. (A)

Greenwood (IND-5) Marshall, C. L. (M)

Griffith (CHI-5) Vereb, A. J. (A)

Hagerstown (C1N-4) Vanderbilt, V.C., Jr. (SM)

Hammond (CHI-5)
Dwyer, R.J. (M)
Findling, M.J. (M)
Janik, J.L. (M)
Severson, M.L. (A)

Hobart (CHI-5) Spangler, R. (A)

Hope (IND-5) Keller, L. P. (M)

Hudson (FT-W-5) Tressler, J. B. (M) Huntertown (FT-W-5) Ordas, A.F.(M)

Huntington (FT-W-5)
Chambers, W. A. (A)
Cozad, J. W. (A)
Fisher, C. C. (SM)
Kaufman, A. R. (A)
Smart, R. E. (A)
Terry, C. B. (M)

Smart, R. E. (A)
Terry, C. B. (M)
Indianabolis (IND-5)
Alden, E. E. (M)
Aldend, E. D. (M)
Aldend, E. D. (M)
Anderson, S. R. (M)
Anderson, S. R. (M)
Arbuckle, R. D. (A)
Arfman, R. W. (M)
Berlier, R. J. (M)
Berlier, R. J. (M)
Berlier, R. J. (M)
Berlier, J. C. Jr. (M)
Berlier, J. (M)
Bouchard, E. N. (A)
Booher, W. R. (M)
Bouchard, E. N. (A)
Broadrick, L. G. (M)
Butts, C. B. (A)
Carpenter, M. M. Jr. (N)
Carson, H. E. (SM)
Carter, H. A. (A)
Cobb, L. J. (M)
Cobs, L. R. (M)
Cross, K. R. (M)
Davis, C. B. (M)
Davis, C. B. (M)
Devoe, L. M. (M)
Durbacher, J. (M)
Durbacher, J. (M)
Evans, A. G. (M) Dumbacher, J. (M)
Evrin, E. E. (M)
Evans, A. G. (M)
Evans, R. A. (SM)
Everhart, C. W. (M)
Fagg, W. H. (A)

Richeson, W. E. (M)
Robertson, G. D. (SM)
Roders, P. D. (M)
Romers, M. A. (A)
Row, W. R. (M)
Russell, R. S. (M)
Russell, R. S. (M)
Russ, M. F. (A)
Sabo, J. (M)
Salineer, H. W. G. (F)
Sanders, R. W. (SM)
Schlichtemeier, K. H. (M)
Schlichtemeier, K. H. (M)
Schlichtemeier, K. H. (M)
Schlichtemeier, K. M. (SM)
Sessier, J. G. (M)
Sessier, J. G. (M)
Siaro, J. W. (SM)
Silver, J. D. (SM)
Slater, T. L. (M)
Slick, E. P. (M)
Slater, T. L. (M)
Slater, T. L. (M)
Sloomon, R. M. (M)
Southern, P. D. (M)
Sparrow, E. L. (M)
Statler, S. W. (A)
Stein, E. F. (M)
Stevent, C. W. (A)
Stein, E. F. (M)
Stevent, C. W. (A)
Stevent, C. W. (A)
Stevent, C. W. (A)
Stevent, C. W. (A)
Sutton, J. R. (A)

INDIANA - 482 -

Fallowes, R. W. (A)
Fitch, H. E. (A)
Fraser, G. R. (SM)
Franch, A. B. (M)
Gamble, M. E. (SM)
Gary, A. H. (M)
Gauthier, R. L. (M)
Goodier, G. N. (A)
Goodier, G. N. (A)
Gresham, S. , J. (SM)
Grimmett, L. J. (M)
Hall, J. M. , Jr. (M)
Harden, J. G. (SM)
Haycraft, D. L. (M)
Harden, J. G. (SM)
Haycraft, D. L. (M)
Hofeld, J. G. (M)
Hofeld, J. G. (M)
Hofeld, J. G. (M)
Hotland, H. A. (A)
Hostetler, W. E. (M)
Horenday, J. C. (SM)
Hurley, H. C. (M)
Jackson, W. E. (F)
Jordan, H. G. (M)
Kennedy, W. H. (M)
Kennedy, W. H. (M)
Kevill, J. F. (M)
Kinjp, C. W. (M)
Kovalcik, E. (M)
Manning, W. L. (SM)
Marshall, L. C. (SM)
Marshall, L. C. (SM)
Marshall, L. C. (SM)
Moyer, R. C. (M)
Moyer, R. C. (M)
Moyer, R. C. (SM)
Myers, W. D. (M)
Noroschlein, E. R. (A)
Peden, J. E. (A)
Peden, J. E. (A)
Pesaer, A. M. (VA)
Reaser, A. M. (VA)
Resser, T. N. (SM)
Rosser, T. N. Tague, B. D. (SM)
Thomas, J. G. (A)
Thomas, J. W. (A)
Thom, W. D. (M)
Trout, C. C. (M)
Tudor, E. C. (M) Tudor, E. C. (M)
Tulauskas, L. (S.M)
Tumbaugh, C. C. (M)
Tyler, R. D. (M)
Vaughn, D. C. (M)
Viere, A. J. (M)
Walker, R. S. (M)
Welsh, L. F. (M)
Whitaker, R. O. (A)
White, B. J., Jr. (A)
Williams, J. (A)
Williams, J. E. (M) Williams, J. E. (A)
Williams, J. E. (A)
Windsor, R. N. (A)
Wisner, H. L. (SM)
Wolff, H. R. (SM)
Wulfekuhl, R. J. (M)
Wuster, W. L. (A) Young, E.A.(A)

Jeffersonville (LOU-5) Monroe, C. M. (M)

Jonesboro (IND-5)

Konrad, R. J. (M)

Kokomo (IND-5)
Akkinson, J. R. (M)
Bickel, S. O. (A)
Blossey, C. W. (M)
Brandon, W. S. (M)
Brinkerhoff, D. E. (A)
Brown, L. E. (A)
Brown, L. E. (A)
Brown, P. B. (M)
Calabro, J. E. (M)
Calabro, J. E. (M)
Carlson, E. C. (A)
Carr, W. J. (M)
Chassin, C. A. (M)
Cory, C. D., Jr. (M)
Cory, C. D., Jr. (M)
Cory, C. D., Jr. (M)
Gender, R. J. (A)
Dean, R. J. (A)
Gerhardt, B. J. (M)
Guellotta, A. J. (A)
Guyton, J. H. (M)
Heckert, W. F. (M)
Hein, P. H. (M)
Jaumot, F. E. Jr. (SM)

Jenkins, R. L. (M)
Khan, F. R. (A)
Latilnen, L. K. (M)
Letsinger, W. C. (M)
Marahan, M. J. (SM)
Martin, D. W. (M)
Mason, J. M. (M)
McCaughan, H. M. (A)
Miller, R. F. (M)
Nelson, D. L. (M)
Paskell, E. (A)
Prewitt, T. A. (M)
Pyle, H. (M)
Ritman, A. D. (SM)
Ruff, D. O. (M)
Schaffner, J. S. (SM)
Schwarz, B. A. (F)
Scott, L. E. (M)
Siefken, R. M. (M)
Siefken, R. M. (M)
Stelzl, H. M. (M)
Stelzl, H. M. (M)
Tritt, E. M. (M)
Votava, C. J. (M) Votava, C. J. (M) Wagner, R. F. (M) Wright, H. E. (M) Zeps, H. (A)

Ayette (IND-5)
Adams, W. L. (M)
Evans, C. M. (M)
Evans, C. M. (M)
Freeman, S., Jr. (M)
Freeman, S., Jr. (M)
Freeman, S., Jr. (M)
Freeman, S., Jr. (M)
Hancock, J. (M)
Hancock, J. (M)
Hancock, J. (M)
Handai, J. F. (M)
Kamal, A. D. (M)
Landgrebe, D. (M)
Murphy, R. D. (M)
Sage, A. P., Jr.
Samuels, J. C. (M)
Schultz, F. V. (SM)
Seo, H. (M)
Siskind, R. P. (SM)
Stanley, P. E. (M)
Tou, J. (SM) Lafayette (IND-5) Tou, J. (SM)

La Porte (SB-M-5) Tuck , F . A . (A)

Lawrence (IND-5) May, C. W. (A)

Lebanon (IND-5) Thoman , J. E. (M)

Logansport (IND-5) Harrell, D. H. (M) Munson, A. L. (A)

Ballard, D. C. (SM) Benway, R. E. (M) Saunders, R., Jr. (SM)

Michigan City (SB-M) chigan City (SB-M)
Alinsky, J. W. (SM)
Demercurio, C. D. (M)
Groendyke, R. W. (M)
Hillmann, R. E. (A)
Honda, M. (A)
Horvath, J. W. (A)
Lee, W. (A)
Lee, W. (A)
Livingstone, J. K. (M)
Matter, L. E. (M)
Madder, L. E. (M)
Middleton, J. A. (M)
Page, O. D. (SM)
Sievers, S. S. (M)
Spangler, S. T. (SM)

shawaka (SB-M-5)
Arakelian, G. P. (M)
Armstrone, C. N. (M)
Arthur, A. A. (M)
Bellows, R. K. (M)
Bilgolow, A. F. (M)
Bregantini, J. S. (SM)
Coney, J. J. (M)
Crosby, E. L., Jr. (M)
Crosby, E. L., Jr. (M)
Eberlein, C. W. (M)
Garow, S. H. (M)
Haigh, R. B. (M)
Haigh, R. B. (M)
Haigh, R. B. (M)
Janosik, J. R. (M)
Jones, P. W. (M)
Kindt, N. O. (M)
Koch, W. J. (A)
Kracman, M. (A)
Kracman, M. (A)
McGuffey, G. W. (M)
McGuffey, B. E. (M)
Miller, A. E. (A)
Neff, D. L. (A)
Paulson, E. E. (M)
Patten, R. B. (A)
Paulson, E. E. (M)
Pless, L. C. (M)
Schmidd, M. D. (M)
Schmidd, M. D. (M) Mishawaka (SB-M-5)

Small, G. L. (M)
Splies, P. D. (M)
Sprouse, P. J. (A)
Steele, N. D., Jr. (M)
Turner, O. G. (M)
Vogmann, H., W. (M)
Wagner, R. J. (M)
Walenga, J., Jr. (M)
Whilfon, P. E. (SM) Whiffen , R . E . (SM)

Mooresville (IND-5) Fenimore, G. E. (SM)

Mount Vernon (EO-5) Winternheimer, C. G. (M)

Burton , D . A . (A) Green , H . L . (A) Hayes , M . E . (A) Springer , G . P . (A)

Munster (CHI-5) Brander, R. (M)
Gillis, D. J. (A)
Miner, J. H. (A)
Roedel, J. (M) Sane, J. M. (A)

New Albany (LOU-5) Jennings , S. V. (M)

New Carlisle (SR-M-5) Evancich, E. (M)

New Haven (FT-W-5) w Haven (FT-W-5)
Allen, R. E. (M)
Buckley, J. E. (M)
Eiden, G. E. (M)
Guichard, R. S. (M)
Hallmark, C. E. (SM)
Kiessling, C. E. , Jr. (A)
Koppin, A. A. (M)
Murphy, F. J. (M)
Swank, G. D. (A)

Notre Dame (SB-M-5) re Dame (SB-M-5)
Cooves, E.A. (SM)
Ellithorn, H.E. (SM)
Evers, A.J. (M)
Foecke, H.A. (A)
Hodes, i. (M) Morgan , D . R . (M) Stauder , L . F . (M)

Orestes (IND-5) Gilliam, D. W. (A)

Oriole (EO-5) Frakes, S.E.(A)

Osceola (SB-M-5) Cox, P.G. (SM) Ludwig, A.R. (M) Moulton, G.E. (M)

Peru (IND-5) Myers , J , R , (M) See , W , E , (A)

Pittshorn (IND-5) Lightburne, D. N. (A)

Plainfield (IND-5) Guthrie , A , K , (M) Wright , C , R , (M)

Plymouth (\$B-M-5) Kennedy, P. R. (A) Zyzys, E. A. (M)

Princeton (EO-5) Havill . C . N . (M) Smith , Z . R . (M)

Richmond (CIN-4) Maddox, R. D. (M) Schlewe, A. J. (M) Young, K. W. (A)

Roanoke (FT-W-5) Yoder, L.E. (M)

Russlaville (IND-5) Fred , J . A . (M)

St. MeInrad (EQ-5) Ringeman, O.E.(M)

Seymour (IND-5) Cupp, J. C. (A)

Sheridan (IND-5) Neal, S. M. (M)

Near, S. M. (M)

South Bend (SB-M-5)

Bademlan, L. (M)

Beazell, H. L. (M)

Bedflord, J. S. (M)

Bendler, L. A. (M)

Bong, V. J. (M)

Borkowski, J. A. (A)

Bowersox, F. L. (M)

Cotten, J. L. (SM)

Dart, D. E. (M)

De Ruyck, A. R. (M)

Durbin, H. M. (M)

Faster, J. A. (M) Feaster, J. A. (M) Firmer, J. F. (M) Follen, R. J. (M) Goodwin, W. V. (SM) Grant, J. H. (M)
Heller, D. M. (SM)
Holfman, C. H. (SM)
Holfman, C. H. (SM)
Hollis, R. H. (M)
Hunt, A., Jr. (A)
Jacks, J. T. (M)
Jaffe, B. (A)
Kalser, R. P. (M)
Kunz, W. J., Jr. (SM)
Lancaster, R. G. (M)
La Salle, E. (M)
La Salle, E. (M)
La Salle, E. (M)
Loring, L. V. (M)
Loring, L. V. (M)
Loring, L. W. (A)
Marz, P. A. (M)
Mosymoror, W. F. (M)
Mosymoror, W. F. (M)
Mother, R. D. (M)
Mother, R. D. (M)
Mossman, R. B. (M)
Mossman, R. B. (M)
Mossman, R. B. (M)
Mossman, R. B. (M)
Patterson, J. M. (A)
Pauwels, K. G. (A)
Pauwels, K. G. (A) Patterson, J. M. (A)
Pauwels, K. G. (A)
Paua, Q. J. (M)
Quigley, A. J. (M)
Root, R. E. (M)
Rushing, W. A. (M)
Secor, B. K. (M) Secor, B. K. (M)
Soleta, G. S. (M)
Soleta, G. S. (M)
Svorec, R. S. (A)
Svosec, R. S. (A)
Voss, J. R. (M)
Walton, P. E., Jr. (A)
Weller, G. (M)
Welssert, R. K. (M)
Wels, C. A. (M)
West, E. B. (M)

Speedway (IND-5) Wacker, K.F. (A)

Spencer (IND-5) Langley, H. M. (M)

Tell City (EO-5) Churchill, P. K. (SM) Groves, S. K. (SM) Hammond, R. F. (SM)

Terre Haute (IND-5) McCrocklin, R. E. (M)
Moench, H. A. (SM)
Smith. P. D. (M)
White, J. (M)

Union City (IND-5) Resor, J. D. (M)

Resor, J. D. (M)

Valparalso (IND-5)

Baker, F. C. (A)

Bullis, E. E. (A)

Gast, D. A. (A)

Hatt, H. E. (M)

Lueckf, E. J. (M)

Maynard, C. A. (SM)

McCasland, G. R. (A)

Oldham, K. W. (M)

Patton, R. C. (A)

Peaslee, W. D. A. (SM)

Shewan, W. (M)

Vocke, M. C. (M) Weber, G. P. (M)

Wabash (IND-5) Thurlow, M. P. (M)

Waldron (IND-5) Miller, D. C. (A)

Walkerton (SB-M-5) Shaffer, C. W., Jr. (A)

Washington (E0-5) Creager, B. H. (M)

Waterloo (FT-W-5) Hamman, H. L. (A)

Hamman, H. L. (A)

West Lafavette (IND-5)
Austin, G. A. (M)
Bolie, D. M. (M)
Bolie, D. M. (M)
Chano, Y. E. (M)
Chano, Y. E. (M)
Chano, Y. E. (M)
Caraoata, A. H. (M)
Donovan, R. F. (M)
El-Ablad, A. H. (M)
George, R. H. (SM)
Grant, M. P. (M)
Haooell, G. E. (SM)
Havt, W. H. Jr. (SM)
Helm, H. J. (SM)
Helm, H. J. (SM)
Josesh, P. D. (M)
Josesh, P. D. (M)
Kenvon, R. R. (M)
Kenvon, R. R. (M)
Kinnen, E. (SM)
Kozin, C. H. (M)
Machol, R. E. (SM)
Merov, A. E. (SM)
Merov, A. E. (A)

Onborn, L. L. (A)
Pitt, P. E. (A)
Runyan, R. E. (M)
Sabbach, E. M. (SM)
Sabbach, H. A. (M)
Sheooard, E. M. (M)
Silva, R. F. (M)
Silva, R. F. (M)
Walter, E. R. (A)
Walter, E. R. (A)
Wyman, R. H., Jr. (M)

Whiting (CHI-5) ting (CHI-5)
Bell- J. E. (M)
Kaminsky, V. J. (A)
Oster, W. (A)
Slivka, F. P. (A)

Winslow (E0-5) Vaughan, J. O. (A)

Woodburn (FT-W-5) Bertsche, G. (M)

Zionsville (IND-5) Woodruff, A. E. (M)

IOWA

Algona (CR-5) Barnes, R. E. (SM)

es (CR-5)
Ablin. H. L. (M)
Boast. W. B. (M)
Boast. W. B. (M)
Bowen. D. W. (M)
Camo. R. C. (M)
Cassell. W. L. (SM)
Coover. M. S. (SM)
Griffin. J. E. (M)
Holland. G. E. (M)
Hoversten. E. V. (M)
Hunhes. W. L. (M)
Lonoe. B. J. (M)
Mattson. R. H. (M)
Morris. T. J. Jr. (M)
Morris. T. J. Jr. (M)
Morris. T. J. Jr. (M)
Pavlat. J. R. (M)
Pekarek. K. L. (M)
Post. R. E. (M)
Post. R. E. (M)
Stattelman. A. J. (A)
Stewart. R. M. Jr. (M)
Stream. A. J. (M)
Stream. R. J. (M)
Stevert. R. M. Jr. (M)
Stream. C. R. (M)
Triska. C. J. (A)
Zingg. R. J. (M) Ames (CR-5)

Ankeny (CR-5) Johnston, D. H., Jr. (M)

Arcadia (CR-5) Wolterman, A. J. (M)

Atlantic (OM-L-5) Burnham, R. E. (A)

Bettendorf (CR-5) Arvidson, P. G. (M)

> Campbell, D. B. (M) Fischer, L. A. (A) HutchIson, R. P. (A) Sergeant, J. V. (M)

Burilinaton (CR-B 5)
Alien. J. W. (ul)
Anderson. W. W. (ul)
Anderson. W. W. (ul)
Anoleaute. J. A. 'S
Bogart. P. M. (M)
Clark. H. L. (M)
Eck. E. J. (M)
Ertz. C. S. (M)
Havens. J. D. (M)
Healev. N. B. (M)
Keser. P. D. (M)
Kruse. E. A. (M)
MF arren. L. E. (SM Kruse, E. A. (M)
McFarren, L. E. (SM)
Miller, R. C. (SM)
Movers, W. D. (M)
Mullin, M. L. (M)
Peshock, M. Jr. (M)
Swoard, G. F. (M)
Taylor, D. L. (M)
Wilcox, R. A. (M)
Winegard, J. R. (M)

Cambridge (CR-5) Coggshall, J. C. (M)

Cedar Rapids (CR-5)
Abrams, H. T. (A)
Anderson, J. E. (SM)
Anderson, J. E. (M)
Anderson, J. E. (M)
Anderson, W. C. (M)
Anderson, W. G. (M)
Andrade, E. A. (SM)
Andrade, E. A. (SM)
Andrade, E. A. (SM)
Andrade, E. A. (SM)
Antrim, G. H. (A)
Arens, R. P. (M)
Avers, D. C. (A)
Babillus, J. (SM)
Baidwin, L. G. (M)
Bail, J. K. (M)
Beamer, C. M. (M)

KANSAS - 483 -

Bellville . W . H . (M)
Bennina . G . L . (A)
Bernanek . W . J . (M)
Beranek . W . J . (M)
Bernanek . M . (M)
Bishoo . G . E . (M)
Bowles . C . H . . J . (A)
Bowles . C . H . . J . (A)
Bowles . C . H . . J . (A)
Brav . W . E . (M)
Browles . L . B . (A)
Britton . R . W . (SM)
Browles . J . D . (M)
Brower . H . P . (M)
Brower . H . P . (M)
Brown . H . R . (M)
Brown . H . R . (M)
Brown . H . R . (M)
Brunen . W . B . (SM)
Burdick . L . R . (M)
Burdon . R . C . (M)
Cantou . M . K . (M)
Cantou . M . K . (M)
Carson . D . N . (A)
Catol . R . (M)
Carson . D . N . (A)
Catol . R . (M)
Collins . A . A . (F)
Combellick . J . D . (M)
Collins . A . A . (F)
Combellick . J . D . (M)
Collins . A . A . (M)
Collins . A . A . (M)
Collins . A . A . (M)
Collins . F . M . (M)
Cowan . C . D . (M)
Fordion . R . V . (M)
Decker . D . L . (M)
Decker . D . L . (M)
Fellint . J . J . (M)
Decker . D . L . (M)
Fellint . J . J . (M)
Decker . D . L . (M)
Fellint . J . J . (M)
Fellint . J . J . (M)
Fellint . J . J . (M)
Frerkina . J . J . (M)
Frerkina . M . E . (M)
Goldman . B . M . (M) Gotoman. B. M. (MY)
Graves, W. H. (M)
Graves, W. H. (M)
Graves, W. H. (M)
Green. D. H. (A)
Greenwell, R. E. (A)
Griswold, W. R. (M)
Habeer, E. A. (M)
Haines, G. L. (M)
Hancock, J. R. (A)
Hanna, G. W. (A)
Heath. J. W. (M)
Heddocok, W. T., Jr. (M)
Heddocok, W. T., Jr. (M)
Heddocok, W. T., Jr. (M)
Hodain, D. M., Jr. (SM)
Hoden, D. M., Jr. (SM)
Hoden, D. W. (M)
Hoskinson, M. F. (M)
Holmes, D. W. (M)
Holmes, D. W. (M)
Holmes, D. W. (M)
Hubbard, M. R. (SM)
Hunderford, L. D. (M)
Hykes, G. R. (M)
Innis, J. P. (M)
Johnson, F. W. (M)
Johnson, D. E. (M)
Johnson, F. W. (M)
Johnson, L. E. (A)
Kintel, C. K. (M)
Kintel, C. K. (M)
Kintel, C. K. (M)
Kintel, C. K. (M)
Kinferth, W. G. (M)
Koof, H. A. (M)
Koof, H. A. (M)
Krebs, D. W. (M)

Lieske, E. W. (M) Lona, W. G., Jr. (M) Looo, D. E. (M) Lowder, C. M. (M) Ludvlason, M. T. (M) Ludvison. M. I. (M)
Lulka. I. (M)
Lulk. I. (M)
Lulken. D. G. (M)
Malerus. J. B. (M)
Malerus. J. B. (M)
Marshall. F. C. (M)
Marshall. K. R. (M)
Marshall. K. R. (M)
McConnell. T. E. (SM)
McCoreary. R. L. (SM)
McCoreary. R. L. (SM)
McCreary. R. L. (SM)
McElrov. J. C. (SM)
McElrov. J. C. (SM)
McElrov. J. C. (SM)
McElrov. J. C. (SM)
McInerney. J. F. (M)
McInerney. J. F. (M)
McKinley. P. A. (SM)
McMichael. R. W. (M)
Meter. J. C. (A)
Merritt. J. R. (M)
Meter. D. H. (SM)
Michael. R. M. (SM)
Michael. R. M. (SM)
Michael. R. M. (SM)
Molimerva. V. P. (M)
Michael. R. M. (SM)
Molimerva. V. P. (M)
Michael. R. M. (SM)
Molimerva. V. P. (M)
Mirerva. C. (M)
Mortimore. R. L. (M)
Moseman. J. (M)
Moseman. J. (M)
Moseman. J. (M)
Moseman. J. (M)
Newell. D. E. (M)
Nielson. J. H. (M)
Newell. D. E. (M)
Nielson. J. H. (M)
Pappenfus. F. (SM)
Pappenfus. F. (SM)
Pappenfus. F. (SM)
Pappenfus. F. (SM)
Pappenfus. F. (M)
Pappenfus. F. (M)
Pappenfus. F. (M)
Perry. V. G. (M)
Polectin. J. G. (M)
Nielson. J. R. (M)
Nielson. J. R. (M)
Nielson. J. R. (M)
Nielson. J. R. (M)
Nowley. R. J. (M)
Stellancker. R. E. (M)
Schaller. R. E. (M)
Schaller. R. E. (M)
Schaller. R. E. (M)
Nowley. R. J. (M)
Stewart, C. (SM)
Shafor, J. D. (M)
Sheafor, J. D. (M)
Sheafor, J. D. (M)
Northy, J. R. (SM)
Nimon, R. E. (M)
Vick. E. K. (SM)
Vick. E. K. (SM)
Vick. E. K. (SM)
Vick. E. K. (SM)
Vick. E. M. (M)
Vick. C. (M)
Vick. C. (M)
Vick. J. R. (M)
Vick. C. (M)
Vick. C. (M)
Westerner. R. E. (M)
Willer. R. C. (M)

Winters, R.K. (A) Woltan, R.W. (SM) Wulfsberg, A.H. (SM) Wulfsberg, P.G. (SM) Zinkus, J.V. (A)

Clarinda (CR-5) Kelley, J. M. (A)

Crawfordsville (CR-5) Cherryholmes, C. D. (M)

Cresco (CR-5) Polashek , E . J . (A)

Denver (CR-5) Schumacher, M. W. (A)

Schumacher, M. W. (A)

Des Moines (CR.-5)
Camosino, M. J. (M)
Cels1, C. J. (M)
Coleman, F. C. (A)
Eastman, J. W. (M)
Gamble, G. R. (A)
Goss, J. E. (M)
Harris, V. M. (A)
Houvenagle, T. L. (M)
Johnson, W. Jr. (M)
Luther, R. E. (A)
Naney, R. P. (M)
Parrott, A. D. (M)
Quentin, C. F. (M)
Rissler, H. D. (VA)
Rothrock, R. B. (M)
Schoke, J. A. (SM)
Sharo, R. R. (A)
Stauffer, R. E. (VA)
Stevens, J. C. (A)
Tennant, O. A. (M)
Vitols, V. A. (M) VItols, V. A. (M)

Fort Dodge (CR-5)
Dlab, K. M. (M)
Kreuger, G. B. (M)
Turnwall, C. S. (A)

Grinnell (CR-5) Cox, C. L. (M) Denny, W. B. (M)

Hawarden (OM-L-5)

Independence (CR-5) Blank, W.A. (M)

ra City (CR-5)
Alton, E. D. (M)
Curlis, J. F. (A)
Edberg, R. A. (M)
Hunter, T. A. (F)
Leiting, M. C. (A)
Lockwood, W. H. (A)
Lockwood, W. H. (A)
Massey, W. R. (A)
McMillin, J. V. (M)
Menzer, C. H. (SM)
Small, A. M., Jr. (M)
Strelb, W. J. (M)
Thissell, J. D. (M)
Van Allen, J. A. (SM)
Ware, L. A. (SM) Iowa City (CR-5)

Marion (CR-5)

Central City (CR-5) Hart, R. W. (M)

Council Bluffs (OM-L-5)
Davidson, S. (M)
Markussen, R. L. (A)
Meyemann, G. W. (A)
Paluka, J. R. (M)
Petersen, W. P. (A)
Schroeder, R. C. (A)
Stewart, A. C. (SM)

Davenport (CR-5)
Andrews, L. W. (M)
Brown, G. G. (M)
Dove, D. E. (M)
Frater, G. A. (M)
Hayes, C. W. (M)
Hendrickson, H. T. (M)
Lenker, P. E. (A)
Petersen, V. L. (M)
Prammenstiel, D. A. (A)
Snyder, E. F. (A)

Harcourt (CR-5) Lindgren, T. D. (M)

Otls, J. C. (A)

Hiawatha (CR-5) watha (CR-5)
Bebee, M. G. (M)
Curley, R. E. (A)
Dargls, A. A. (M)
Forrest, R. L. (M)
Griffin, N. J. (M)
Hadley, C. E. (M)
Tector, R. J. (M)

Le Claire (CR-5) Keefe, J. W. (A)

Lisbon (CR-5) Nosley, C. C. (M)

Baxter, C. W. (M)
Bergemann, G. T. (M)
Breed, W. M. (A)
Bruns, H. E. (M)

Caldwell , K. M. (M)
Canfield , R. E. (A)
Camey , C. S. (M)
Chihak , P. P. (M)
Damm , F. (SM)
Davison , W. W. (M)
Day, W. E. (M)
Day, W. E. (M)
Filint, R. L. (M)
Follensbee , W. M. (M)
Fye, E. O. (M)
Gjertson , R. D. (M)
Haerle, J. M. (M)
Harson , H. L. (A)
Harsock , R. D. (M)
Herlostad, V. (A)
Hirsch , H. D. (M)
Hocker, D. E. (M)
Hotchklss , J. H. (A)
Houston , R. L. (A)
Hudock , E. (SM)
Jessen , M. F. (M)
Well (M)
Leverington , R. D. (M)
Mamer , G. R. (SM)
Mayer , A. F. (M)
McCune , H. K. (M)
Moorhead , P. E. (M)
Moorhead , P. E. (M)
Newhouse , V. L. (A)
Peterson , D. L. (A)
Pool , R. H. (M)
Rodes , W. D. (SM)
Rodes , W. D. (SM)
Rodes , W. D. (SM)
Srague , C. H. (M)
Strebe , A. C. , Jr. (A)
Tuthill , E. G. (M)
Van Tilbury , J. D. (SM)
Wise , R. S. (M)

Mitcheliville (CR-5)

Mount Vernon (CR-5) Hartong, G. S. (M)

Muscatine (CR-5) Havercamp, R. P. (M) Lister, E. C. (M)

Oelwein (CR-5) McGinnis, S. E. (M) McMurray, D. D. (M) Sawvelle, E. V. (M)

Sloux City (OM-L-5)
Call, G. R. (A)
Lasensky, M. M. (M)
Rudenbusch, M. A. (A)
Scott, L. D. (A)
Smith, A. H. (M)

Solon (CR-5) Chansky, W. C. (A)

Tabor (OM-L-5) Adamson, P. (M)

Tama (CR-5) Penhollow, J. D. (M)

Toddville (CR-5) Dicken, H. K. (M) Vance, A. G. (M)

Waterloo (CR-5) Kirksey, T. W. (M) Tlnk, E. M. (M)

West Burlington (CR-B-5) Collins, J. H. (M)
Musolino, J. M. (M)

Whiting (OM-L-5) Bearce, E.J.(A)

KANSAS

Abitene (WiC-6) Gay, G. L. (A)

Bethel (KC-6)

Andrews , L. G. (A) Barnes , D. C. (M)

Boicourt (KC-6) Witcher, J. F. (M)

Cherryvale (WIC-6) McGinness, C.C.(M)

Colby (WIC-6) Unruh , S. W. (A) Colwich (WIC-6) Dopp, V. S. (A)

Derby (WIC-6)
Gearhart, J. J. (A)
Hickey, L. F. (A)
Knowlton, R. F. (M)

Fort Leavenworth (KC-6) Adkisson, G. D. (M) Caffrey, J. V., Jr. (M) Cavanna, A.R., Jr. (M) Grady, J. H. (M)

Fort Riley (WIC-6) Robertson . M . A . (M)

Gardner (KC-6) Gault, W.E.(M) Gay, W.D.(M) Reed, D.M.(M)

Hays (WIC-6) Chapman, D. C. (M) O'Loughlin, J. B. (M)

Haysville (WIC-6) Loman , J. W. (M) Rhoten , C. J. (A)

Hiawatha (KC-6) Legler, H.E. (A)

Hutchinson (WIC-6) Cook , K. H. (M) Emmons , G. T. (A) Kopels , I. (A) Schwertfeger , A. W. (A)

Independence (WIC-6) Benton, W. J. (M) Johnson, R. W. (A) Stedman, J. D. (A) Swartz, G. A. (A) Thomton, J. A. (M)

Junction City (WIC-6) Harts, W. G. (M)

Harts, W. G. (M)

Kansas City (KC-6)
Chop, W. J., Jr. (A)
Cooper, J. R. (A)
Craycraft, K. S. (A)
Davies, J. J. (A)
Pisher, E. (M)
Fisher, E. (M)
Fisher, G. F. (A)
Hoover, W. C. (A)
Jones, G. R. (M)
Mathews, V. M., Jr. (SM)
Molby, L. H. (M)
Petersen, G. B. (A)
Pusch, J. H. (A)
Richards, A. (A)
Stillson, J. W. (A)
Watt, E. M. (A)
Wilson, D. R. (A) Wilson, D.R. (A)

Wilson, D. R. (A)

Lawrence (KC-6)
Beck, C. H. (M)
Breyfogle, L. D., III (M)
Ellermeier, R. D. (A)
Frve, G. J. (M)
Gaddv, O. L. (M)
Gareis, G. E. (M)
Hill, R. D. (M)
Lansdown, W. D. (M)
Nahman, N. S. (SM)
Patton, P. C. (M)
Robb, D. D. (M)
Rummer, D. I. (M)
Shackelford, R. B. (A)
Shirer, H. W. (A)
Unz, H. (M)
Warfield, J. N. (SM)
Leavenworth (KC-6)
Vanderstaav, T. F., Jr. (A)
Whitlock, R. L. (A)
Lenexa (KC-6)

Lenexa (KC-6) Wade, M. E. (M)

Liberal (WIC-6) McGrath, H. E. (A)

Manhattan (KC-6) hattan (KC-6)
Buatte, L. A., Jr. (A)
Dawson, S. L. (M)
Green, R. R. (SM)
Halliak, C. A. (M)
Hedler, B. E. (M)
Kerchner, R. M. (SM)
Reister, K. W., Jr. (M)
Van Der Maas, G. J. (A)

McPherson (KC-6) Hedguist, T. G. (M)

Merriam (KC-6) Favman, D. L. (M) Humnhrevs, J. L. (A) Rudisill, K. R. (A) Walter, G. W. (M)

Mission (KC-6)
Ayres, R. C. (SM)
Broders, E. L. (A)
Curtis, G. L. (M)
Gleissner, B. F. (A)
Grev, T. G. (A)
Gunrie, J. E. (M)
Obero, M. F. (M)
Obero, M. F. (M)
Obero, H. G. (M)
Robb, L. S. (M)
Thoroe, H. G. (M)
Wearth, A. W. (M)
Wilson, R. G. (A)

Mulvane (WIC-6)
Persols, D. M. (A)
Ruppe, K. E. (M)

Dlathe (KC-6) Spieker, D. A. (A)

Spieker, D. A. (A)

Overland Park (KC-6)
Betros, L. A. (M)
Christy, J. O. (M)
Clark, J. S. (M)
Fetter, R. W. (SM)
Files, C. O. (M)
Ginple, C. A. (M)
Hyer, F. K. (M)
James, R. T. (M)
Kunde, W. W. Jr. (M)
Lipin, B. (M)
Mayse, R. L. (M)
Otto, H. G. (M)
Patrick, D. J. (A)
Peppel, T. R. (A)
Rauch, E. L. (M)
Shipe, J. J. (A)
Shirley, J. N. (A)
Wagner, F. R. (M)

Parsons (WIC-6) Tierney, P. V. (A)

Pittsburg (KC-6) Nuckolls, R. G. (SM)

Nuckolls, R. G. (SM)

Prairle Village (KC-6)

Babbit, E. B. (M)
Chester, W. G. (M)
Daiton, R. C. (A)
Findley, L. D. (M)
Grooger, G. M. (A)
Hadley, J. F. (M)
Hax, D. H. (SM)
Hoffman, G. R. (M)
Inderwiesen, F. H., Jr. (SM)
Johnson, D. E. (A)
Kennedy, J. L. (M)
Kroencke, E. A., Jr. (M)
Love, B. E. (VA)
Martin, R. L. (SM)
Marx, T. I. (M)
Milberger, W. E. (M)
Nigg, D. J. (M)
Propst, H. R. (A) NIgg, D. J. (M)
Propst, H. R. (A)
Rollert, C. R. (M)
Sommerville, D. I. (A)
Tyler, S. R. (SM)
VanZant, R. R. (M)

Salina (KC-6) ina (KC-6)
Affeldt, W. A. (A)
Baer, M. T. (M)
Kelsey, D. B. (M)
Mailia, W. A. (M)
Marts, M. P. (M)
Musick, J. P. (A)
Stucky, N. P. (M)

Sharon Springs (WIC-6) Mantey, J. P. (M)

Shawnee (KC-6) Goll. W. E. (M) Jaedicke, E. R. (M)

peka (KC-6)
Brown, E. B., (M)
Costelow, J. A. (A)
Frazee, J. W., (M)
Grantham, R. B., (M)
Heitlinger, L. J. J. (M)
Joy, I. L. (A)
Mannell, L. H., (M)
Moran, E. J., (M)
Roszkowski, G. J., (A)
Soper, G. T., (A)
Totten, G. A., (A)
Varvel, W. M., (M)
Voiles, G. E., (A) Topeka (KC-6)

Valley Center (WIC-6) Cord, C. E. (A) Depew, H. H. (A)

Depew, H. H. (A)
Depew, H. H. (A)
Wichita (WIC-6)
Aksamit, E. M. (M)
Allen, L. S. (M)
Arens, V. R. (M)
Bereman, E. W. (A)
Brown, J. W. D. (M)
Byers, H. D. (M)
Carttar, G. L. (M)
Cunningham, J. C. (A)
Day, W. R. (M)
Davis, H. C. (A)
Day, W. R. (M)
Eyans, J. D. (M)
Eyans, J. D. (M)
Financis, J. G. Jr. (M)
Francis, J. W. (M)
Gamm, C. J. (A)
Gozinsky, J. R. (M)
Hall, A. E. (M)
Harper, J. M. (M)
Hay, R. E. (A) Hail, A, E, (M)
Harver, J, M, (M)
Hav, R, E, (A)
Heaq, R, E, (A)
Heaq, C, E, (M)
Hink, K, G, (M)
Hinkshaw, V, G, (A)
Hutchison, D, P, (M)
Johnson, V, N, (M)
Johnson, W, A, (M)
Johnson, W, R, (M)
Keene, A, W, Jr, (M)
Klantaman, R, L, (A)
Klatt, W, K, (M)

Kraus, D. R. (A)
Lampl, M. B. (A)
Leighton, C. P. (M)
Little, H. H., Jr. (A)
Livingston, W. D. (M)
Loule, W. G. (M)
Lundgren, P. L. (M)
McDougal, J. R. (M)
McDougal, J. R. (M)
McDougal, J. R. (M)
Murchy, A. T. (A)
Murray, W. A. (M)
Newby, H. H. (M)
Patterson, D. L. (M)
Patterson, D. L. (M)
Patterson, D. L. (M)
Schrap, R. L. (M)
Schrap, R. L. (M)
Schrap, R. L. (M)
Strain, R. A. (A)
Strain, R. A. (A)
Strain, R. A. (A)
Strain, R. A. (A)
Swift, H. G. (M)
Vandegrift, A. E. P. (M)
Wencel, M. L. (M)
Vandegrift, A. E. P. (M)
Williams, D. G. (M)

KENTUCKY

Ashland (CIN-4) Pack, B. L. (M)

Bellevue (CIN-4) Rohrer, R. S. (M)

Bowling Green (LOU-5) Gott, A. M. (A) Hendrick, R. J. (M)

Cotumbia (LOU-5) Dwens, L. M. (M)

Covington (CIN-4)
Dreyer, G. C. (M)
Munch, W., Jr. (M)

Cumberland (LOH-5) Comett, R. (A)

Fern Creek (LOU-5) Henson, C.E. (M) Tiska, C.C. (M)

Fort Campbell (HUN-N-3) Babros, R.E.(M) D'Keefe, R.W.(M) Scott, T.R.(M)

Fort Knox (LOU-5) Winterberger, H. P. (A)

Fort Thomas (CIN-4) t Thomas (CIN-4)
Fischler, P. E. (M)
Fowler, N. B. (SM)
Kolo, R. E. (SM)
Sims, T. W. (A)
Stratman, J. W. (M)
Werrmann, C. A. (A)

Franklin (LDU-5) Wakefield, F. H. (A)

Glasgow (LDU-5) Sadler, C. C. (A)

Harlan (LDU-5) Johnson, M. E. (A)

Henderson (EO-5) Johns, W. D. (M)

Independence (CIN-4) McGraw, H. E. (M)

Jeffersontown (LDU-5) Hewltt, L. G. (M) Lyle, I. W., Jr. (M)

kington (LOU-5)
Albanes, N. J. (M)
Allison, N. B. (M)
Beattle, H. S. (SM)
Curry, J. W. (M)
Dally, H. J. (M)
Ebauch, D. P. (A)
Erdman, B. K. (M)
Fackler, C. M., Jr. (M)
Goldsberry, P. E. (A)
Hickerson, J. E. (M)
Koppius, O. G. (M)
Lahr, R. J. (M)
Locklar, H. C. (M)
May, J. K. (M)
Musto, T. L. (M)
Pray, E. B. (M)
Pray, E. B. (M)
Ross, B. (SM)
Thompson, R. L. (M)
Wayman, R. L. (M)
Wayman, R. L. (M)
Wyn, P. (M)
Vount, W. R. (A) Lexington (LOU-5) Yount, W. R. (A)

Louisville (LDU-5) Bischof, C. C., Jr. (M)

Childers, T. A. (M)
Covert, J. L. (M)
Fife, S. T. (SM)
Fitzmayer, L. H. (M)
Gates, S. H. (A)
Hooe, C. R. (M)
Kimmel, E. J. (A)
Kohler, M. L. (A)
Koller, O., Jr. (M)
La Vielle, W. R. R. (M)
La Vielle, W. R. R. (M)
Lossdon, H. E. (A)
Marven, E. L., Sr. (M)
McAfee, C. S. (A)
Morrison, W. J. (M)
Nehey, B. (A)
Nevitz, R. G. (M)
Palmer, R. (A)
Probst, M. C. (M)
Ross, W. H. (M)
Ryan, W. J. (M)
Skagas, E. P. (A)
Skagas, E. P. (A)
Skagas, E. P. (A)
Sweets, F. M. (M)
Towner, O. W. (F)
Welgel, F. W., Jr. (M)

Middletown (LOU-5) Williams, L. A. (M)

Newport (CIN-4) Fields, G. S. (M) Merrell, C. H. (M)

Nicholasville (LOU-5) Quillen, W. F. (M)

Dlive Hill (CIN-4) Barker, E. E. (M)

Owensboro (EO-5)

Albrecht, C. E. (SM)
Barron, J. L. (A)
Basham, J. L. (A)
Bertke, H. J. (M)
Bond, E. G. (A)
Bowles, L. T., Jr. (SM)
Box, J. P. (M)
Bristow, S. C. (SM)
Bryant, J. A. (A)
Buren, W. E. (M)
Bryant, J. A. (A)
Buren, W. E. (M)
Cambell, J. D., Jr. (A)
Carter, F. M. (A)
Carter, F. M. (A)
Carter, F. M. (A)
Carter, B. (SM)
Crul, J. W. (M)
Connelly, J. M. (A)
Cullen, W. F. (M)
Davies, J. A. (M)
Davies, J. A. (M)
Davies, J. A. (M)
Dovis, R. M. (A)
Edwards, M. W. (SM)
Ellis, L. C. (A)
Estes, R. M. (A)
Edwards, M. W. (SM)
Fits, S. M. (SM)
Freeman, H. H. (M)
Fritschel, E. H. (SM)
Graves, M. B. (M)
Hayes, F. L. (M)
Hopper, C., Jr. (SM)
Horne, D. P. (A)
Horton, C. E. (SM)
Horton, C. E. (SM)
Horton, C. E. (SM)
Horton, J. E. (M)
Johnson, K. D. (SM)
Jordan, J. D. (M)
Lattin, W. J. (M)
Lattin, W. J. (M)
Maglinn, L. J. (M)
Maglinn, L. J. (M)
McCool, C. D. (SM)
McCool, C. D. (SM)
McClinnis, C. E. (M)
Millis, W. T. (SM)
McEtersman, F. H. (M)
Mickey, D. D., Jr. (SM)
Moe, R. E. (F)
Mullersman, F. H. (M)
Mickey, D. D., Jr. (SM)
McCool, C. D. (SM)
McClinnis, C. E. (M)
Metelmann, C. (A)
Meyer, R. H. (M)
Millis, W. T. (SM)
McRims, C. E. (M)
McKerson, W. B. (M)
Roberts, L. E., Jr. (M)
Supherson, E. L. (SM)
Tautwein, J. F. (A)
Stepherson, E. L. (SM)
Trutwein, J. F. (A)
Stepherson, E. L. (SM)
Trutwein, J. F. (A)
Stepherson, E. L. (SM)
Trutwein, J. F. (A)
Wood, G. C. (A)
Wood, G. C. (A)

Paris (LOU-5) Miller, L.W. (A) Salvisa (LOU-5) Gritton, D. M. (M)

Somerset (LOU-5) Thompson, B. G. (A)

South Fort Mitchell (CIN-4) Hughes, J. B. (M)
Odenthal, L. H. (M)
Reynolds, D. J. (M)
Schipper, R. J. (M)
Wayne, W. C., Jr. (M)

Stanley (EO-5) Jackson, S. G. (M)

Valley Station (LOU-5) Hedgecock, R. G. (M)

Walton (CIN-4) Smith, A.W. (M)

LDUISIANA

Alexandria (NO-6) Giaco, V. J. (A)

Arabi (NO-6) Pechon, A. J. (A)

Barksdale AFB (SHR-6) Asendorf, J. A. (M)
Beard, E. M. (A)
Buckelew, W. F., Jr. (M)
Elchak, J. Jr. (M)

Bastron (NO-6) Green, W. M., Jr. (M)

Baton Rouge (NO-6) ton Rouge (NO-6)
Campos, L. F. (M)
Case, E. E. (A)
Haas, G. M. (M)
Kothman, E. B. (A)
McLean, L. V. (SM)
Nethken, R. T. (M)
Owen, W. E. (M)
Perry, G. H. (M)
Raborn, R. L. (M)
Stracener, R. M. (A)
Vergez, J. P., Jr. (M)

Belle Chasse (NO-6) Hero, G. A. III (A)

Bossier City (SHR-6) ster City (SHR-6)
Carmichael, H. C. (A)
Culling, E. J. (M)
Laurents, B. W. (A)
McQueeney, L. G. (A)
Prescott, C. W. (A)
Wagner, F. D., Jr. (M)

Centerville (NO-6) Young, R. L. (M)

De Quincy (B-PA-6) Shackelford, L. R. (A)

Golden Meadow (NO-6) Brady, J. A., Sr. (A)

Harahan (NO-6) Drake, R. L. (M)

Houma (NO-6) Hayworth, R.G.(A)

Lacombe (NO-6) Rust, J. J. (A)

Lafavette (NO-6) ayette (ND-6)
Allen, J. J. (A)
Billingsley, L. H. (M)
Goss, W. C., Jr. (A)
Laurents, V. T. (A)
Mayeux, R. (M)
Pereda, E. F. (M)
Phillips, S. L. (A)
Prejean, J. C. (M)
Wynne, M. P. (M)

Lake Charles (B-PA-6) Burkett, A. C. (M)
Dreyer, R. F. E. (A)
Fuller, M. M., Jr. (M)
Maas, R. R. (M) Maas, R. R. (M)
Moses, E. C. (A)
Neal, G. H. (A)
Powers, T. G. (M)
Senneville, L. O. (M)
Vincent, R. S. (M)
Warner, R. D. (A)
White, R. A. (A)

Jennings (B-PA-6) Bailey, C. L. (A)

Keatchie (SHR-6) Womack, F. L. (A)

Longville (B-PA-6) Nelson, W. C. (A)

Mangham (NO-6) Duncan, H.P.(A)

Maplewood (B-PA-6) O'Shaughnessy, C. A. (M)

Metalrie (NO-6) Adkins, J. M. (M) Chigoy, W. A. (M)
Dobbs, M. G. (M)
Hulteen, C. K. (A)
Kirkley, D. E., Jr. (M)
Ritchey, L. C., Jr. (A)
Tong, E. (M)

Monroe (SHR-6) Boyd, R. L. (M)

Natchitoches (SHR-6) Balley, B. H., Jr. (M)

New Iberia (NO-6) Sitomer, A. A. (A)

New Orleans (NO-6) Vorleans (NUO-6)
Allen, G. (A)
Andrews, W. E., Jr. (M)
Atkins, R. E. (A)
Becker, H. C. (M)
Bloom, J. D., Jr. (SM)
Bordenave, L. R. (A)
Bullock, J. C. (M) Bullock, J. C. (M)
Coleman, J. L. (M)
Coleman, J. L. (M)
Crane, J. D. (M)
Cronvich, J. A. (SM)
Delhom, L. A. (M)
Dobbs, C. I. (SM)
Dowe, R. J. (A)
Dulcich, L. N. (M)
Duraul, L. D. (M)
Du Treil, L. J. N. (SM)
Fahrmeler, M. L. (M)
Frosch, J. A. (M)
Gadsden, C. P. (A)
Hammett, R. B. (A)
Hart, W. S. (M) Hammett, R. B. (A)
Hart, W. S. (M)
Heymann, H. (A)
Jenkins, E. W., Jr. (SN
Jesclard, G. P. (M)
Landry, A. P. (A)
Landry, N. R. (M)
Lende, P. E. (F)
Lodato, J. S. (M)
Lund, J. S. (M)
Lund, J. F. (A)
Marin, G. I. (SM)
Mayoral, G. A. (SM)
Mayoral, G. A. (SM)
Morris, J. C. (M)
D'Donnell, C. F. (M)
D'Donnell, C. F. (M)
D'Donnell, C. F. (M)
Pelroe, G. (A)
Otto, J. L. (A)
Perce, G. H. (VA)
Reid, P. Z. , Jr. (M)
Reidde, L. G. (SM)
Robertson, J. L., Sr. (M)
Scheffler, F. A. (M)
Scheffler, F. A. (M)
Scheffler, F. S. (M)
Spencer, J. C. (SM)
Spencer, J. C. (SM)
Talbot, W. S. (A)
Tunls, J. L. (M)
Venters, J. B. (M)
Venters, J. D. (M) (SM) Venters, J. B. (M) Woods, T. D. (M) Wulff, F. A., III (Yacich, P. J. (M)

Ruston (SHR-6) ston (STR-0)
Cole, C.F., Jr. (r.)
Fowler, J. (M)
Johnson, D.L. (SM)
Johnson, M. R., Jr. (SM)
Steere, R. M. (SM)
Tarbutton, J. S. (SM)

Shreveport (SHR-6)
Amaltis, E. J. (A)
Ashe, H. B. (M)
Bains, R. W. (M)
Barton, M. C., Jr. (A)
Cralg, W. H. (M)
Driver, C. B. (M)
Fant, J. P. (A)
Freiberger, H. A. (M)
Friedman, H. G. (A)
Garrett, E. D. (A)
Goff, R. J. (M)
Goff, W. H. (M)
Gordon, E. (M)
Herring, J. J., III (M)
Hitt, J. E. (A) Hitz, J. E. (A)
Hurley, L. (N)
Hurley, L. (N)
Long, F. V. (K)
MacFarlane, J. S. (A)
Maddox, C. H. (SM)
Nuttall, J. E. (M)
Porter, H. R. (M)
Randolon, A. M. (M)
Rudisill, J. R. (A)
Scott, C. R. (M)
Scurlock, J. T. (M)
Williams, L. T. (M)
Williams, L. T. (M)
Woodard, T. A. (M)
Woodard, T. A. (M)

Stidell (NO-6) Bowen, L. M. (A)

Sulphur (B-PA-6) Albright, A.L.(M) Mc Namara, J.E.(M) West Monroe (SHR-6) Mulling, L. C. (M) Steele, R. M. (M)

MAINE

Auburn (BOS-1) Anderson, P. B. (A)

Augusta (BOS-1) McLean, D. I. (M) Parker, R. H. (M)

Creamer, W. J. (SM) Libbey, W. M. (M)

Biddeford (BOS-1) Deters, A. A. (A)

Brunswick (BOS-1) nswick (BOS-1)
Brackett, M. (A)
Faust, D. W. (M)
Gulledge, D. B. (A)
Little, N. C. (M)
Nace, C. E. (M)

Calais (BOS-1) Reynolds, J. C. (M)

Camden (BOS-1) Tibbetts, G. C. (M)

Cape Elizabeth (BOS-1) Gray, L. E., Jr. (M)

Caribou (BOS-1) Bell, L. H., Jr. (A) Beverldge, R. W., Jr. (A)

Dover-Foxcroft (BOS-1) Schide, C. C., Jr. (M)

Dow AFB (BOS-1) Lauver, R. M. (M) Riordan, E. R. (M)

Freeport (BOS-1) Hall, R. T. (M)

Gorham (BOS-1) Chandler, V. H. (SM)

Harrison (BOS-1) Carlson, A. W. (A)

Kennebunk (BOS-1) Kotlewski, J. P. (M)

Limerick (BOS-1) Brackett, H. H. (M)

Lisbon Falls (BOS-1) Porter, G, D. (A)

Lorino AFR (BOS-1) Bettenhausen, L. H. (M)
Kotulak, J. J. (M)
Miller, D. C. (M)
Mulder, H. E. (M)
Ott, W. F. (M)

Moody (BOS-1) Cunningham, T. R. (A)

Mount Vernon (BOS-1) Ford, W. W. (M)

Oakland (BOS-1) Affel, H. A. (F)

Oldtown (BOS-1) Moulton, A. B. (M)

Orono (BOS-1)
Bowles, L. W. (M)
Brown, C. M. (A)
Mac Farland, H. T. (A)

Portland (BOS-1) Jand (BOS-1)
Brewer, L. F. (SM)
Chandler, J. (M)
Hodgkins, R. W. (SM)
Kozineski, W. (A)
Ogg, R. D. (M)
Ottinger, G. L. (M)

Presque Isle (BOS-1) Isemann, L. W. (A)

Randolph (BOS-1) Newell, G. R. (A)

Raymond (BOS-1) Marshall, J. R. (M)

Rockport (BOS-1) Drisko, B. B. (M)

Saco (BOS-1) Kozloff, J. (M)

Sebago Lake (BOS-1) Browning, G. H. (F)

South Casco (BOS-1) Shively, E. H. (M)

Topsham (BOS-1) Bohn, J. T. (M) Hornby, D. A. (M)

Union (BOS-1) Whitney, L. E. (M) Waldoboro (BOS-1) Cooney, J. R. (M)

Westbrook (BOS-1) Athas, A. P. (M)

Yarmouth (BOS-1) Brown, C. R. (M)

York (BOS-1) Lee, C. B. (M)

MARYLAND

Aberdeen (BAL-3)
Beardsley, H, S, (M)
Byrod, R, B, (M)
Conley, J, M, (M)
Hallman, J, I, (A)
Haskin, R, H, (M)
Hodge, A, H, (M)
Hunsicker, J, E, (M)
Hutt, C, E, (A)
Leeder, J, (A)
Shuppert, G, W, (M)
Terashi, T, (A)
Wallin, C, H, (A)
Wrublewski, M, (M)
Zaii, anata, H, W, (M)

Aberdeen Proving Grounds (BAL-3 Dlouhy, G. J. (M)
Hayden, L. E. (M)
Smith, C. V. L. (SM)
Truell, F. (M)

Accokeek (W-DC-3) Harris, F. H. (M) Thornhill, A. F. (M)

elphi (W-DC-3)
Barnes, H. R. (M)
Camobell, L. E. (M)
Carr, F. P., Jr. (M)
Hare, C. M. (M)
Hott, R. D. (M)
Hudson, L. B. (M)
Hulfish, W. S. (M)
Hulfish, W. S. (M)
Hutchinson, E. M. (M)
Jewell, J. J. (M)
Krodle, R. L. (M)
Krodle, R. L. (M)
Marchetta, P. (M)
McGraw, H. (M)
Neill, G. M. (M)
Pan, P. M. (M)
Pan, P. M. (M)
Shimidt, D. J. L. (M)
Schuhardt, W. F. (M)
Smith, L. G. Jr. (M)
Singth, L. G. Jr. (M)
Stead, N. A. (A)
Stogdill, M. R. (M)
Thomas, E. (M)
Weeks, W. A., Jr. (M)
Wood, C. R., Jr. (M)

Weeks, W. A., Jr. (M)
Wood, C. R., Jr. (M)
Annapolls (BAL-3)
Albright, E. L. (M)
Allard, L. C., Jr. (M)
Baker, R. A. (A)
Bly, T. S. (M)
Bremer, J., Jr. (A)
Carter, W. G. (A)
Caudill, L. O. (M)
Daley, J. L. (M)
Daley, J. L. (M)
Dick, D. N. (M)
Dickey, J. L. (M)
Johnson, N. C. M., Jr. (A)
Levdorf, G. E. (M)
Levdorf, G. E. (M)
Levdorf, G. E. (M)
Maher, P. D., Ill (M)
Maling, H. F., Jr. (M)
Merritt, P. R. (M)
Poston, M. H. (M)
Poston, M. H. (M)
Poston, M. H. (M)
Seymour, C. P. (M)
Sinex, C. H. (SM)
Skilling, J. K. (M)
Syerdrup, E. F. (M)
Wylde, R. J. (SM)

Arbutus (BAL-3) Hiscox, H. C. (M)

Army Chemical Center (BAL -3) Chalcraft, J. Ç. (A)

Arnold (BAL-3)
Gould, G.T., Jr. (SN
Gregory, L. W. (SM)
HumIston, H. A. (SM)
Kellam, J. C., Jr. (A)
Parnell, W. S. (M)
Scarbro, R. L. (M)
Spink, P. G. (A) (SM) Baidwin (BAL-3) Church, G. W. (SM) Wentworth, F. L. (A)

Baltimore (BAL-3)
Abel, A, E. (SM)
Abel, A, E. (SM)
Abel, A, E. (SM)
Abel, C, S., III (M)
Alemian, M. M. (M)
Allor, J. D. (M)
Allor, J. D. (M)
Allen, J. E. (M)
Allen, J. E. (M)
Allen, J. E. (M)
Allen, J. E. (M)
Allorett, I. S. (A)
Amato, W. P. (A)
Andersen, A. (M)
Anderson, C. F. W. (SM)
Ashmead, H. E. (SM)
Ashmead, H. E. (SM)
Balen, S. (M)
Balen, S. (M)
Balen, C. C. (SM)
Baler, R. T. (M)
Baker, R. H. (M)
Baker, R. H. (M)
Baker, C. E. (A)
Baker, C. E. (A)
Basil. J. T. (M)
Batil. J. T. (M)
Becker, C. H. (M)
Becker, C. H. (M)
Becker, C. H. (M)
Becker, C. H. (M)
Becker, C. M. (M)
Bender, W. W. (SM)
Bender, W. W. (SM)
Bender, W. W. (SM)
Bender, W. W. (SM)
Bender, W. J. (M)
Benter, J. C. (M)
Berty, A. E. (M)
Berty, A. E. (M)
Berty, A. E. (M)
Billin, W. V. (A)
Bilonmer, T. M. (SM)
Bloomer, J. A. (M)
Bloomer, J. A. (M)
Boord, J. D. (VA)
Bosse, M. L. (A)
Bourget, J. A. (M)
Boord, J. R. (M)
Brach, J. P. J. (M)
Brach, J. P. J. (M)
Carben, J. A. (M)
Brach, J. P. J. (M)
Carben, J. A. (M)
Carrott, J. R. (M)
Brach, J. R. (M)
Brach, J. R. (M)
Burn, J. M. Jr. (M)
Carrott, J. J. (M)
Carrott, J. J. (M)
Carrott, J. J. (M)
Carrott, J. J. (M)
Cohe, H. A. (M)
Cohe, H. A. (M)
Cohe, M. A. (M)
Cohe, M. P. (M)
Derso, J. C. (M)
Cohe, P. C. (M)
Derso, J. C. (M)
Cohen, M. (M

Farkas, I. (A)
Farkas, J. (M)
Farmer, W. C. Jr. (A)
Felleman, K. D. (M)
Fellchel, I. (M)
Fero, A. P. (A)
Feris, H. (M)
Fialkowski, F. A. (M)
Fialkowski, F. A. (M)
Fialkowski, F. A. (M)
Finlayson, J. A. (M)
Fischer, P. C. (M)
Filalson, J. A. (M)
Fischer, P. P. (M)
Filalson, J. A. (M)
Fischer, P. P. (M)
Filalson, J. A. (M)
Filalson, J. A. (M)
Filalson, J. A. (M)
Filalson, J. C. (M)
Filalson, J. C. (M)
Filalson, J. C. (M)
Fownes, R. F. (A)
Fox, R. C. (M)
Fox, R. C. (M)
Fox, R. C. (M)
Franchi, A. J. (A)
Franchi, A. J. (A)
Franchi, A. J. (A)
Franchi, F. A. V. (M)
Franchi, A. J. (M)
Franchi, R. D. (M)
Galloway, J. V. (M)
Galloway, J. V. (M)
Galloway, J. V. (M)
Galloway, J. V. (M)
Gambrill, R. D. (M)
Gambrill, R. D. (M)
Graminon, J. R. (M)
Giller, M. (M)
Giller, G. B. Jr. (M)
Giller, M. (M)
Giller, C. B. Jr. (M)
Grodman, J. R. (M)
Gristel, J. W. Jr. (A)
Glover, C. C. (M)
Glover, C. C. (M)
Gradinett, A. F. (M)
Gradinett, A. F. (M)
Gradinett, A. F. (M)
Gradinett, A. F. (M)
Gradilling, C. H. Jr. (M)
Hall, D. C. (M)
Hall, R. J. (M)
Hall, R. J. (M)
Hall, R. J. (M)
Hallo, M. (SM)
Harler, B. L. (M)
Harris, B. L. (M)
H nendersnot, J. n. (M)
Henderson, R. J. (SM)
Henf, G. (M)
Henry, G. (M)
Henry, F. E. (M)
Henry, F. E. (M)
Henry, G. L. (M)
Henry, G. L. (M)
Henry, G. L. (M)
Herry, G. L. (M)
Herry, G. L. (M)
Horder, G. H. (M)
Hoge, C. R., Jr. (M)
Hologe, G. R. (M)
Hologe, G. R. (M)
Hologe, J. T. (A)
Hologe, J. T. (A)
Hooke, J. T. (A)
Hoose, J. T. (A)
Houston, G. P., 3rd. (SM)
Huckins, C. E. (M)
Huddins, J. I., Jr. (M)
Huffman, H. R., Jr. (A)
Hundins, W. H. (F)
Humphrey, A. L., Jr. (A)
Hunt, V. W. (M)
Hutchison, F. W. (M)
Jackson, H. L. (SM)
Jacwini, O. J. (M)
Jarvis, K. W. (F)
Jenkins, J. C. (M) Jensen, A, S, (SM)
Jett, E, K. (F)
Johtson, M, P, (M)
Johnson, M, P, (M)
Johnson, P, A, (M)
Jones, H, H, (M)
Jones, L, G, F, (SM)
Jones, L, G, F, (SM)
Jones, R, K. (M)
Jones, R, E, (M)
Kahl, F, A, (SM)
Kall, F, A, (SM)
Kall, F, A, (SM)
Kall, F, A, (SM)
Kammanan, P, E, (A)
Kammomeyer, R, A, (A)
Kampa, P, (A)
Kampa, P, (A)
Karoa, P KORT, M. A. (M)
KONESTARY, L. S. G. (SM)
KOZIARA, E. H. (M)
KOZIARA, E. H. (M)
KOZIARA, E. H. (M)
KOZIARA, E. H. (M)
KOZIARA, C. L. (M)
KRADIII, M. E. J. J. (M)
KRONIBOR, R. B., Jr. (A)
KRUGO, F. M. (M)
KUGO, F. M. (M)
LAID, J. C. (M)
LAID, J. T. (M)
LAID, W. G. (M)
LAID, W. G. (M)
LAID, W. G. (M)
LAID, W. G. (M)
LAID, C. B. (A)
LAID, C. B. (A)
LAID, C. B. (A)
LEO, F. G. (M)
LEO, M. (M)
LINGEMAN, J. (M)
MISON, J. J. (M)
MACKENZIE, J. E. (M)
MACKENZIE, J. F. (M)
MACKENZIE, J. F Meler, W. M. (M)
Meren, L. F. (M)
Mesner, J. C. (A)
Millar, R. W. (M)
Messher, J. C. (A)
Mildeton, F. H. (M)
Mildeton, F. H. (M)
Millar, R. I. Jr. (M)
Millar, R. I. Jr. (M)
Miller, A. A. (A)
Miller, L. A. (M)
Miller, L. A. (M)
Miller, L. A. (M)
Miller, J. J. (M)
More, C. A. Jr. (M)
Moze, K. F. (SM)
Monaco, M. (M)
More, C. R. Jr. (A)
Moore, D. D. Jr. (M)
More, G. R. Jr. (A)
Moore, D. D. Jr. (M)
More, W. H. JV (W)
More, J. J. (M)
Mullinlar, N. E. (M)
Mullinlar, N. E. (M)
Mullinlar, N. E. (M)
Mullinlar, N. E. (M)
Mullinlar, J. E. (M)
Murphy, R. E. (M)
Morer, F. G. (SM)
Noles, C. E. Jr. (SM)
Noles, C. E. Jr. (SM)
Noles, C. E. (Jr. (M)
Noris, V. L. (A)
O'Donnor, W. A. Jr. (M)
O'Donnor, W. A. Jr. (M)
O'Shorn, E. F. (M)
O'Shorn, E. F. (M)
O'Shorn, E. F. (M)
O'Shorn, E. F. (M)
O'Reill, L. A. (M)
Park, A. R. (M)
Park, J. H. (A)
Parks, H. L. (A)
Parks, H. L. (A)
Parks, H. L. (A)
Parks, H. L. (A)
Parks, J. M. (SM)
Peare, S. Jr. (M)
Peare, S. Jr. (M)
Powell, C. (M) Powell, C. (M)
Provell, C. (M)
Provell, W. C. (M)
Pridgen, W. L. (M)
Pridgen, W. C. (M)
Puckett, H. R., Jr. (M)
Pulford, W. M. (M)
Pulfurd, W. M. (M)
Pulfurd, W. M. (M)
Pulfurd, W. M. (M)
Pulfurd, W. M. (M)
Rado, L. G. (M)
Rado, L. G. (M)
Rado, L. G. (M)
Ramolo, G. (SM)
Rambo, S. I. (SM)
Rambo, S. I. (SM)
Rambo, S. I. (SM)
Randall, J. I. (M)
Ransom, J. R. (M)
Randall, J. I. (M)
Robers, M. (M)
Riley, R. (M)
Richards, J. (M)
Richards, J. (M)
Roberts, H. D. (A)
Roberts, H. (M)
Roberts, H. C. (M)
Roberts, H. C. (M)
Roberts, H. C. (M)
Roberts, H. C. (M)
Rosenblatt, H. (M)
Rosenblatt, H. (M)
Rosenblatt, H. (M)
Rosenthal, R. E. (A)
Rosett, E. (M)
Roush, R. G. (SM)

Salcedo, R. V. (M) Sammons, F. L. (M) Sample, D. R. (A) Sander, W. E. (M) Sanford, R. W. (M) Samord, R. W. (M)
Samord, C. E. (M)
Samord, C. E. (M)
Samord, C. R. (M)
Samord, C. R. (M)
Samord, C. R. (M)
Samord, R. A. (A)
Sass, D. J. (M)
Scattergood, R. (A)
Scheffel, A. G. (M)
Scheffel, A. G. (M)
Scheffer, R. G. (M)
Scheffer, R. G. (M)
Schell, E. L., Jr. (M)
Schillo, T. B. (SM)
Schell, E. L., Jr. (M)
Schillo, T. B. (SM)
Schillo, T. B. (SM)
Schillo, T. B. (SM)
Schillery, E. D. (A)
Schillery, E. D. (A)
Schullery, E. D. (M)
Schullery, E. D. (A)
Schullery, E. D. (A)
Schullery, E. D. (M)
Seald, M. (M)
Seald, M. (M)
Shawer, C. (M)
Shawer, C. (M)
Shawer, C. (M)
Shawer, C. (M)
Sheopherer, G. C. (M)
Sheopherer, G. C. (M)
Siledband, M. P. (M)
Siledband, M. Whitney, A. (SM) Wiley, L. C. ST

Wilkes, L. D. (M)
Willey, R. E. (M)
Willey, R. E. (M)
Williams, A. D. (A)
Willer, J. T. (SM)
Wintle, M. R. P. Jr. (M)
Wittenberg, E. C. (M)
Wolfe, F. H. (M)
Wolfe, R. E. (M)
Wolpert, M. L. (M)
Wolpert, M. L. (M)
Wolpert, M. L. (M)
Woodard, W. W. (SM)
Woopman, G. H. (M)
Zoman, J. J. (M)
Zabawa, J. J. (M)
Zabawa, J. J. (M)
Zacharia, H. (M)
Zamoyta, J. A. (A)
Zeman, P. A. (A)
Zimmerman, S. E. (M)
Zinder, G. F. (M)
Zins, W. A. (M)
Zukauskas, P. J. (A)
Zweier, I. (M)
Air (BAL-3) Bet Air (BAL-3)
Davis, J. M. Sr. (A)
Delaney, R. P. (M)

Beltsville (W-DC-3) Itsville (W-DC-3)
Beyer, G. L. Jr. (M)
Blugerstaff, W. F. (M)
Butler, P. (M)
Cummings, K. C. (M)
Dew, N. R. (A)
Dyer, J. W. (M)
Klischer, G. A. (M)
Lines, S. R. (M)

Berwyn Heights (W-DC-3) Walton, W.W.(M)

Bethesda (W-DC-3) Adams, P. R. (SM)
Affelder, C. (SM)
Alex, D. G. (M)
Alex, D. G. (M)
Alex, D. G. (M)
Alex, D. G. (M)
Andelson, R. P. (A)
Apolenis, C. J. (M)
Astin, A. V. (F)
Baluta, R. E. (M)
Batter, J. C. , Jr. (M)
Batter, J. L. (A)
Becker, C. H. (M)
Berman, M. (M)
Blrochak, F. (M)
Boose, G. F. (M)
Boose, W. C. (SM)
Bollum, C. (W, Sr. (SM)
Bowman, R. L. (SM)
Brown, J. R. (M)
Burnett, B. B. (M)
Bush, G. P. (SM)
Cahn, L. (M)
Cahn, R. H. (M)
Froderlot, J. G. (M)
Filson, R. A. (M)
Elbourn, R. D. (M)
Filson, R. A. (M)
Filson, R. A. (M)
Frederlot, C. L. , Jr. (A)
French, J. C. (M)
Frederlot, C. L. , Jr. (A)
French, J. C. (M)
Frederlot, C. L. , Jr. (A)
French, J. C. (M)
Frederlot, C. L. , Jr. (A)
French, J. C. (M)
Gran-ham, R. E. (SM)
Gran-ham, R. E. (SM)
Havdon, G. W. (M)
Hedrich, A. L. (SM)
Hedrich, A. L. (SM)
Hedrich, R. W. (SM)
Hedrich, R. W. (M)
Hedrich, R.

Meade, K.R.(M) Melssner, P.(M) Merer, G.E.(SM) Messenhelmer, A. D. (M)
Mickey, L. (SM)
Milckey, L. (SM)
Milckey, L. (SM)
Millbrankh, D. R. (A)
Moore, J. W. (SM)
Morris, A. D. (M)
Murphy, R. E. (A)
Nelson, M. W. (A)
Nigro, J. P. (M)
Noble, F. W. (SM)
Osborr, M. E. (A)
Pearce, H. U. (A)
Ream, D. L. (M)
Saunders, R. J. (M)
Saunders, E. R. Jr. (M)
Saunders, F. R. Jr. (M)
Saunders, F. R. Jr. (M)
Saunders, F. R. Jr. (M)
Saunders, J. W. (M)
Saunders, J. M. (SM)
Shultz, R. S. (M)
Saunders, J. W. (M)
Saunders, J. L. (M)
Shall, J. M. (SM)
Shultz, R. S. (M)
Shall, J. M. (SM)
Shultz, R. S. (M)
Stineffield, J. M. (SM)
Shultz, R. S. (M)
Stineffield, J. M. (SM)
Tippel, W. E. (A)
Trippel, W. G. (A)
Trippel, W. G. (A)
Trippel, W. G. (A)
Trippel, W. G. (A)
Ware, R. S. (A)
Weeter, R. S. (A)
Weeter, R. S. (A)
Weeter, L. B. (M)
Williams, W. K. (M)
Williams, W. K. (M)
Williams, W. K. (M)
Williams, V. K. (M)
Williams, V. K. (M)
Williams, J. (M)
Worlsnip, M. E. (A)
Young, H. M. (M)

Bladensburg (W-DC-3) Kuzminsky, I. (M) Talcott, J. W., Jr. (M)

Brookeville (W-DC-3) Femlano, D. J. (A) Lundquist, G. A. (M)

Brooklandville (BAL-3) Lankford, N.B. (M)

Burtonsville (W-DC-3) Claypool, W. S. (VA) Herbert, L. G. (M) Peterson, R. E. (M) Waltz, W. R. (M)

California (W-DC-3) Browne , W. M. (SM) Wilder , J. M. (M)

Cambridge (BAL-3) Anapol, J. (M) Heisler, W. D. (A) Holdt, D. H. (M) Massey, W.S.(M)

Cascade (W-DC-3) Wassenberg, J. F. (M)

onsville (BAL-3)
Anderson, J. F. (M)
Behler, R. J. (SM)
Bowen, J. R. (M)
Bowen, J. R. (M)
Bowen, J. R. (M)
Bush, A. G., Jr. (M)
Calhoon, C. D. Sr. (M)
Chapin, E. W. (SM)
Cole, D. P. (A)
Crutchfield, R. C., Jr. (M)
Des Lauriers, E. L. (A)
Francis, J. P. (M)
Getz, W. W. (A)
Hoddinott, E. V. (A)
Hoddinott, E. V. (A)
Hoddinott, E. V. (A)
Hoddinott, E. V. (M)
Mattern, J. (M)
Mattern, J. (M)
Mattern, J. (M)
Meyer, A. W. (SM)
Nickerson, P. E. (M)
Reyer, S. H. (SM)
Raven, R. S. (SM)
Raven, R. S. (SM)
Raven, R. S. (SM)
Rayen, J. B. (SM)
Snith, H. D. (M)
Singel, J. B. (SM)
Taylor, C. J. (M)
Vierling, H. D. (M) Catonsville (BAL-3) Taylor, C. J. (M)
Vierling, H. D. (M)
Whatley, E. C., Jr. (SM)

Chase (BAL-3) Kelly, L. J. (A) Schultz, R. L. (A)

Chesapeake Beach (BAL-3) Grosvenor, A. C. (SM) Read, L. C. (SM) Rozler, C. P. (M)

Cheverly (W-DC-3)
Beegle, D. H. (SM)
Bosley, H. L. (M)
Boileka, L. J. (M)
Davis, R. E. (M)
Franks, H. J., Jr. (M)
Gill, A. B. (A)
Gipe, R. C. (A)
Grayson, R. R. (M)
Raskhodoff, N. M. (M)
Sly, R. D. (M)
Waldo, G. V. (VA)
Weaver, C. E. (A)
Whitney, F. G. (M)
Young, C. E. (M)

Chevy Chase (W-DC-3) Pyy Chase (W-DU-3),
Alsworth, E.F. (A)
Alexander, S. N. (F)
Bay, Z. L. (SM)
Blumbero, M. (M)
Brady, J. B. (SM)
Calowell, C. M. (SM)
Calowell, C. M. (SM)
Calowell, C. M. (SM)
Caswell, G. L. (SM)
Clapper, H. J. (SM)
Clapper, H. J. (SM)
Felker, E. A. (M)
Gebhart, J. H. (M)
Felker, E. A. (M)
Gordon, D. I. (SM)
Herson, J. L. (M)
Hill, L. P. (M)
Hill, L. P. (M)
Kelley, G. W. Jr. (V. Larsen, P. J. (SM)
Lavier, E. C. (M)
Lee, P. H. (SM)
Lavier, E. C. (M)
Lee, P. H. (SM)
McKetay, R. L. (SM)
McKetay, R. L. (SM)
McKetay, R. L. (SM)
McKetay, R. L. (SM)
Monor, R. S. (SM)
Moorse, M. S. (SM)
Neal, P. L. (SM)
Moorse, M. S. (SM)
Neal, P. L. (SM)
Red, A. G. (M)
Red, A. G. (M)
Redy, R. L. (SM)
Settersten, R. A. (M)
Cuilley, C. E. (M)
Red, A. G. (M)
Redy, R. L. (SM)
Settersten, R. A. (M)
Seymour, H. A. (SM)
Voyles, J. E. (SM)
Williams, S. B. (F)
Young, E. W. (A) (VA)

Chillum (W-DC-3) Epstein, A. M. (SM) Marcotte, P. G. (M) Turner, W. R. (M)

Clarksville (BAL-3) Bush, G.B. (M)
Ellis, R.T., Jr. (M)
Howard, K.M., Jr. (M)
Johnson, J.L. (SM)

Clearspring (W-DC-3) Swope, C.S.(M)

Clinton (W-DC-3)
Barnes, L. L. (A)
Conner, L. M. (M)
Hortman, J. D. (M)
Kennedy, C. A., Jr. (M)

Cockeysville (BAL-3)
Damall, E. B. (M)
Flagg, D. G. (A)
Healey, D. J., III (M)
Hurley, W. A. (M)
Jackson, E. L., Jr. (M,
McComas, A. D., Jr. (Sh.
Redifer, J. L. (M)
Sartorlo, D. R. (M)
Wells, R. W. (SM)

College Park (W-DC-3) lege Park (W-DC-3)
Barton, R. (M)
Boyd, J. E. (A)
Bricout, P. A. (M)
Britner, R. O., Jr. (M)
Chase, R. H. (A)
Corcoran, G. F. (F)
Ginnings, R. M. (M)
Haynes, J. M. (A)
Headrick, J. M. (M)
Headrick, W. C. (M)
Koch, C. F. (M)
Lepper, W. E. (M)
Lewls, J. K. (S M)
Lupton, W. H. (M)
Mack, W. F. (M) Man, E. M., Jr. (M)
Marshall, F. S., Jr. (A)
Masek, R. C. (SM)
Miller, J. W. (SM)
Morgan, R. (M)
Paden, D. R. (M)
Payne, E. B. (SM)
Price, H. W., Jr. (M)
Reed, H. R. (SM)
Rybon, J. C. (A)
Scibilia, W. R. (M)
Smith, C. J. (M)
Smith, C. J. (M)
Starbuck, F. (M)
Sweeney, J. S. (M)
Tallerico, A. (A)
Thompson, D. G. (M)
Tumbull, H. A. (SM)
Weber, J. (F)
Wyman, F. E. (M)

Crisfield (BAL-3)
Lawson, W. M., Jr. (M)

Crownsville (BAL -3) Brown, T. A. (A)
Cermain, R. C. (M)
Martin, G. E. (M)
Willner, W. H. (A)

Cumberland (PIT-4) Stem, H. (SM)

Damascus (W-DC-3) Campbell, W.S.(M) Frelenmuth, W.L. (SM)

Deer Park (PIT-4) Mirick, C. B. (SM)

District Heights (W-DC-3) Lauman, E.O.(M)

Drayden (W-DC-3) Kennedy, J. B. (M)

Dundalk (BAL-3) Colvin, R. (VA)

Easton (BAL-3) Wightman, P.E.(M)

East Riverdale (W-DC-3) Kantor, A. C. (A) McCann, R. T. (M) Owen, E. A. (SM) Pincus, R. (M) Retsky, H. (A) Smith, E. D. (SM)

Edgewater (BAL-3) Fox, L. F. (A)
Jones, H. H., Jr. (A)
Rosenberry W. W. (SM)

Edgewood (BAL-3) Frasher, M. M. (M)

Edmonston (W-DC-3) Cannon, R.A.(M)

Elkridge (BAL-3) Bean, L. M. (M)

Ellerton (W-DC-3) Alexander, F.C.(SM)

Ellicott City (BAL-3)
AD Rhys, T. L. (M)
Balthis, D. L. (M)
Barlow, A. D. (M)
Brady, C. L. (SM)
Crocker, G. M., Jr. (M)
Fragier, R. M., Jr. (M)
Fragier, R. M., Jr. (M)
Hogue, G. E. (M)

Hutchinson, J. O. (M)
Jones, L. S. (M)
Kimball L. L. (M)
Koudelka, H. A. (M)
Leister, R. E. (SM)
Mabry F. S. (SM)
McDonough, J. T. (M)
Thamp, N. B. (SM)
Ulman, L. J. (M)
Windley, W. D. (M)
Zlegler, R. E. (M)

Fallston (BAL -3) Marcroft, H. C. (SM)

Bell, J.E. (M) Neau, O.T. (M) Smith, K.W. (A)

Forest Hill (BAL-3) Barthel, D. R. (M)

Fort Meade (BAL-3) E Meade (BAL-3)
Barlow, H. C. (SM)
Barton, J. H. (M)
Brown, H. S. (M)
Burgess, A. G. (M)
Gold, N. (M) Gold, N. (M)
Guyton, J. A. (M)
Kunkle, A. J. (M)
Keeler, R. E. (M)
Miller, C. H. (M)

Frederick (W-DC-3)
Alexander, N.E. (SM)
Daugherty, E. J. (M)
Hankey, I. L. (M)
Kolsrud, E. R. (M)
Lockwood, E. H. (SM)
Martin, J. T. (M)
Miller, L. F. (A)
Price, O. I., Jr. (M)
Roughan, J. V. (M)
Shaw, N. C. (M)
Staley, I. B. (M)
Thompson, R. C. (A)

Fullerton (BAL-3)
Friesser, J. M. (M)
Rubis, C. J. (M)
Wells, L. C. (M)

Gaithersburg (W-DC-3) Johnson, R. N. (M) White, J. W. (M) Youden, W. W. (M)

Glenarm (BAL-3)
Brownell , D. C. (M)
Dudeney , P. N. (M)
Hershfield , S. (SM)
Packard , R. F. (M)
Smith , D. W. (SM)
Spiker , R. A. (M)
Sturtevant , C. E. (SM)

Glen Burnie (BAL-3) Assen, M., D., (M)
Andreatta, J., H., (M)
Andreatta, J., H., (M)
Andreatta, J., H., (M)
Asaki, G., G., (M)
Bevan, W., R., (M)
Bickel, C., A., (M)
Bickel, C., A., (M)
Birch, G., F., (M)
Booth, T., L., (M)
Borchers, N., L., (M)
Boyles, C., W., (A)
Brannon, D., L., (M)
Boyles, C., W., (A)
Brannon, D., L., (M)
Boyles, C., W., (A)
Brannon, D., L., (M)
Borow, E., A., (M)
Castruccio, P., A., (SM)
Clany, M., C., (M)
Crossen, M., W., (M)
Dale, J., D., (A)
Demougeot, G., M., (A)
Driggers, B., H., (A)
Demougeot, G., M., (A)
Driggers, B., H., (A)
Eckstein, G., (M)
Evanus, W., (M)
Flege-Kollmann, H., (SM)
Fillpowsky, R., (SM)
Frame, T., E., (M)
Gilbo, A., W., (M)
Gilbo, A., W., (M)
Goodman, A., B., (A)
Goulden, D., E., (M)
Harburger, J., (M)
Hamburger, J., (M)
Hockett, S., H., Jr., (M)
Jones, E., E., (M)
Mores, E., E., (M)
McBride, J., F., (M)
McBride, J., F., (M)
Mores, R., A., (M)
Mores, R., A., (M)
Mores, R., S., Jr., (M)
Merohant, S., A., Jr., (M)
Paris, W., J., (M)
Paris, W., J., (M)
Paris, W., J., (M)
Popodi, A., E., (SM)
Pootter, N., S., (SM)
Raymond, W., F., (M)
Stebbins, W., J., (M)
Stebbins, W., J., (M)
Stebbins, W., J., (M)
Stebbins, W., J., (M)
Stewart, N., H., (SM)
Steric, J., (A)
Sorrell, P., A., (M)
Stewart, N., H., (SM)
Wood, C., H., Jr., (M)
Wood, C., H., Jr., (M)
Woode, C., H., Jr., (M)
Zrubek, W., E., (M)

Glen Echo (W-DC-3) Gaze, R. H. (M)

Glencoe (BAL-3) Manson , P. S. (M)

Great Mills (W-DC-3) Stitch, B. D. (A) Greenhelt (W-DC-3) Becker, C. M. (A)
Dawson, W. C. (A)
Hanyok, A. (A)
Hess, F. R. (A) Jones, G. R. (A) O'Connor, T. M. (A) Parsons, P. H. (M) Salzberg, I. M. (M) Zanin, B. P. (M)

Hagerstown (W-DC-3)
Fuller, B. K. (M)
Maycock, J. C. (M)
McIntler, G. W. (A)
Philpot, J. W., Jr. (M)
Phizer, H. B. (M)
Schick, L. M. (M)

Halethorpe (BAL-3) Becker, J. A. (SM) Clemson, D. B. (M)

Hanover (BAL-3) Evans, G.E. (M) Quinn, B.O. (M) Strong, J.L. (A)

Havre De Grace (BAL-3) Bryant, W. L. (M)
Putnam, R. E. A. (M)
Richard, V. W. (M)
Welk, M. H., Jr. (A)

Highjano (BAL-3) fribe, P. (A)

Hillcrest Heights (W-DC-3) Beatrez, R. (A) Lynch, D. W. (M)

Huntingtown (BAL-3) Volsich, J. (A) Hyattsville (W-DC-3) Adams, T. E. (M)
Apfelbeck, C. A. (A)
Asherakt, C. D. (A)
Bacon, J. K. (M)
Barkett, R. C. (M)
Bell, B. D. (M)
Bell, B. D. (M)
Berry, J. E. (A)
Blanks, R. T., III (M)
Blum, H. E. (A)
Blanks, R. T., III (M)
Blum, H. E. (A)
Benning, W. R. (M)
Burns, J. C. (A)
Chadwell, W. L. (M)
Chemikoff, H. (M)
Chemikoff, H. (M)
Chenikoff, H. (M)
Colley, J. W. (M)
Colley, J. W. (M)
Colley, J. W. (M)
Colley, J. W. (M)
Crawford, G. D. (M)
Didra, W. E. (A)
Dowd, J. F. (A)
Evans, W. H. (M)
Flanagan, J. D. (M)
Flanagan, J. D. (M)
Floresou, S. G. (A)
Fulcher, C. S. (A)
Gager, F. M. (SM)
Gandy, C. L. (M)
Garner, W. E. (M)
Grenhouse, S. C. (M)
Grenhouse, S. C. (M)
Hannon, J. R. (A)
Harless, R. E. (M)
Harless, R. E. (M)
Harless, R. E. (M)
Harless, A. H. (M)
Hodden, S. E. (A)
Holden, J. J. (M)
Hoden, J. G. J. (M)
Hoden, J. G. J. (M)
Hoden, J. G. J. (M)
Holden, S. E. (A)
Houser, H. R. (M)
Harless, M. H. (M)
Hoden, J. G. (M)
Holden, S. E. (A)
Holden, S. E. (A)
Houser, H. R. (M)
Harles, M. A. (A)
Holley, J. G. (M)
Holden, J. G. (M)
Halles, M. A. (A)
Holley, J. (M)
Holden, S. E. (A)
Holden, G. D. (M)
Holden, S. E. (A)
Holden, G. G. (M)
Holden, S. E. (A)
Holden, G. G. (M)
Holden, S. E. (A)
Holden, G. G. (M)
Holden, S. E. (M)
Holden Shrader, J. R. (M)
Silverstein, A. (M)
Sorensen, G. L. (M)
Starobin, A. F. (M)
Starobin, A. F. (M)
Stuntz, J. W. (M)
Stuntz, J. W. (M)
Stuntz, G. R. (A)
Summers, C. R. (A)
Summers, C. R. (A)
Summers, C. R. (A)
Tennant, H. R. (M)
Thwaites, D. F. (M)
Tipolet, J. T. (M)
Tipolet, J. T. (M)
Valkenburg, E. P. (M)
Ware, R. B. (M)
White, J. W. (A)
Wychorski, H. J. (M)
Yabe, B. S. (M)
Yates, W. A., Jr. (M)

Indian Head (W-DC-3) Anderson, R. A. (M)
Henderson, J. E. (M)
Ryon, J. C. (M)
Squire, R. K. (M)

Jessups (BAL-3) Grace, E. H., Jr. (A)

Keedysville (W-DC-3) Lent . F E . (A)

Kensington (W-DC-3)
Alldredge, L. R. (M)
Anderson, W. H. (M)
Barline, F. E. (M)
Becker, W. E., Jr. (M)
Bell, W. S. (M)
Bigelow, H. L., Jr. (M)
Brooks, M. M. (A)
Burcham, D. P. (SM)
Carpenter, R. C. (M)
Clair, J. D. (M)
Cooperman, J. I. (M) Ciair, J. D. (M)
Cooperman, J. J. (M)
Davis, J. J. (A)
Doring, R. C. (A)
Hekimian, N. C. (M)
Hiltz, F. F. (A)
Horton, B. M. (M)
Hulse, W. H. (M)
Joseph, H. M. (SM)
Kaiser, J. A. , Jr. (M)
Kaiser, Q. C. (M)
Kiein, J. (A)
Landau, R. M. (M)
Lilly, R. G. (M)
Mac Quivey, D. R. (M)
Mac Quivey, D. R. (SM)
Miller, F. B. (A)
Mitoma, E. Y. (M)
Morey, F. C. (M)
Morey, F. C. (M)
Morey, F. C. (M)
Morey, R. (SM)
Peters, M. W. (M)
Petrle, G. W., HI (SM)
Petrle, G. W., HI (SM)
Porreca, G. (M)
Radabaugh, E. L. (M)
Redmond, J. J. (SM)
Ridgely, N. R., Jr. (M)
Rosenberg, R. S. (M)
Schappais, E. A. (SM)
Segal, B. R. (M)
Shepperd, I. J. (M)
Solniks, A. W. (M)
Sorinkle, M. C. (M)
Van Brunt, F. (M)
Vurek, G. G. (M)
Wears, L. R. (A)
Webster, E. M. (F)
West, E. B. (M)
Whipple, L. G. (A)
Woodside, G. E. , Jr. (M)
Yaffee, P. (SM)

Kingsville (BAL-3) Davis, H. P. (M) Frazier, R. V. (M) Pullen, K. A., Jr. (SM)

Landover (W-DC-3) Bradley, J. W. (M) Fisher, R. H. (M)

Landover Hills (W-DC-3) Painter, J. E. (M)

Lanham (W-DC-3)
Andrick, C. A. (A)
Henry, V. F. (M)
Lyon, E., III (M)
Pleimeter, G. R. (M)
Robertson, R. E. (A)
Van Lunen, R. D. (M)
Wagner, R. B. (M)

La Plata (W-DC-3) Richardson, K.C. (M)

Lansdowne (BAL-3) Travers, J. F., Jr. (M)

Laurel (W-DC-3)
Bell, H. P. (A)
Blanchard, N. K. (M)
Bradley, S. R. (M)
Ciliton, R. B. (M)
Collier, W. W. (M)
Cralg, A. G. (M)
Callaway, E. N. (M)
Hughes, W. E. (M)

Manning, G. C. (M)
Maxson, R. R. (M)
May, C. (M)
McConnell, V. (A)
Meares, C. W. (A)
Mobley, M. C. (S)
Pless, R. L. (M)
Roberts, W. K. (M)
Roberts, W. K. (M)
Romaine, W. R. (M)
Schreyer, S. D. (M)
Shinn, E. N. (A)
Souder, G. H. (M)
Straughn, J. B. (M)
Worden, H. W. (M) Worden , H , W , (M)

Lexington Park (W-DC-3) Appleberry, T. K. (M)
Bartels, W. S. (SM)
Gardner, J. C. (M)
Hopkins, P. L. (M) Hopkins, P. L. (M)
Jayson, E. L. (A)
Jenkins, D. A. (M)
Leopard, G. W. (SM)
Lupton, A. Q. (M)
Norkus, B. S. (M)
Stockwell, E.J. (M)
Wilson, R. T. (SM)

Linuilcum (BAL-3)
Coulter, E. L. (M)
Fisk, W. J. (M)
Hardesty, S. J. (A)
Hrybyk, W. L. (M)
Kuehn, H. S. (SM)
Porter, H. D. (A)
Ramsay, J. H. (M)
Rustad, L. W. (M)

Linthicum Heights (BAL-3) chicum Heights (BAL-3)
Blas, G. H., Jr. (M)
Blas, G. H., Jr. (M)
Collins, Z. L. (SM)
De Andrade, W. C. (M)
Dyer, E. F. (M)
Eastland, F. M. (M)
Goetz, L. P. (SM)
HIII, W. W., III (M)
Lee, R. (F)
Lee, R. E. (M)
Lungo, A. J. (A) Lee, R.E.(M)
Lungo, A., J. (A)
Mera, S. M. (A)
Newhouse, P. D. (A)
Rogers, C. H. (M)
Rossi, A. D. (M)
Tellier, J. (M)
Wolf, J. E. (M)
Wolf, S. (A)

Wolf, J. E. (M)
Wolf, S. (A)
Lutherville (BAL-3)
Albin, F. I. (M)
Allson, D. M., Jr. (SM)
Biddlecomb, R. W. (M)
Brockway, A. L., Jr. (M)
Carpenter, L. B. (A)
Claborn, K. D. (M)
Curningham, F. J. (M)
Eby, J. T. (M)
Freeland, A. F. (M)
Hart, E. D. (SM)
Henck, E. D. (M)
How, W. R. (M)
How, W. R. (M)
Howard, B. F., Jr. (M)
Jakitisch, F. J. (M)
Kothevard, H. J. (M)
Konx, P. C. (SM)
Maurer, D. S. (M)
Phillos, W. D. (M)
Phillos, W. D. (M)
Red, W. L. (M)
Rausaep, I. G. (M)
Rausaep, I. G. (M)
Scanga, W. A. (SM)
Schoenwetter, H. K. (M)
Selberlich, J. S. (M)
Senger, F. A. (M)
Tewksbury, J. M. (M)
Tewksbury, J. M. (M)
Tewksbury, J. M. (M)
Tewksbury, J. M. (M)
Tewsbury, J. M. (M)
Tewsbury, J. M. (M)
Tewsbury, J. M. (M)
Toll, H. D. (M)
Washburn, H. H. (M)
Williams, R. L. (M)
Mayo (BAL-3)

Mayo (BAL-3) Williams, W. S. (M)

Middle River (BAL-3) Cook , A , R , (A) Pumer , R , C , (A)

Millersville (BAL-3) Dempsey, M. E. (A)
Hom, R. E. (A)
Mooney, D. H., Jr. (SM)
Valenta, M. F. (SM) Welken, R. L. (N) (M)

Monkton (BAL-3) Thompson, F., J. (A)

Mount Airy (BAL-3) Nikirk, H. S. (A)

Mount Rainier (W-DC-3) Anderson , R. C. (M) Bechnam , J. M. (M) Clark , J. 3 'M)

Greenhouse, L. (M)
Hurley, C. N. (A)
Kurtzman, S. P. (M)
Sheitelman, H. D. (M)
Slominski, T. V. (A)

North Linthicum (BAL-3) Albright, R, K. (A) Axelby, G. S. (SM) Butala, E. F. (A) Hamer, E. G. (SM) Houston, D. R. (M) James, C. L. (A) Mack, K. M. (M) Pape, R. B. (M) Sutherland, D. (A) Sutherland, D. (A) Temple, J. M. (SM)

North Severna Park (BAL-3) Christle, C. J. (SM)

Odenton (BAL-3) Perko , E , M , (M)

Owings Mills (BAL-3)
Borisky, A., Jr. (M)
Carter, A.J., Jr. (A)
Lowe, W. H. (A)
Mercer, W. T. (A)
Thomas, C. R. (A)
Wilson, C. L. (A)

Pasadena (BAL-3) Miller, C. J. (SM)
Pegg, B. A. (M)
Shepherd, S. G., Jr. (A)

Patuxent River (W-DC-3) Danham, R. E. (M)
Bonham, R. E. (M)
Hannah, G. B. (A)
Lamm, L. M. (A)
Ottensmeyer, R. M. (M)
Sweeney, C. J., Jr. (M)

Phoenix (BAL-3) Bennighof, R. H. (SM)
Davis, R. J. (SM)
Johnson, P. S. (M)
Munson, L. A. (M)
Randall, M. W. (M)

Pikesville (BAL-3) Barrack, C. M. (M) Clark, M. C. (M) Gilbert, E. M. (A) Kaslnoff, H. A. (M) Kasinorr, H. A. (M) Kravetz, H. T. (M) Marie, C. S. (M) Schrank, H. E. (SM) Thomas, C. Y. (M) Wright, R. E. (M) Younginger, E. J. (M)

Point of Rocks (W-DC-3)

Potomac Heights (W-DC-3) Bissett, E. B. (M)

Prince Frederick (BAL-3)

Randallstown (BAL-3)
Broady, S. N. (SM)
Burns, J. E. (M)
Dietz, J. H. (M)
Dokas, J., Jr. (M)
Lennard, J. K. (M)
Moskowitz, C. (M)

Reisterstown (BAL-3) Duncan, R. S. (A)

Relay (BAL 13) Reynolds, D. W. (M) Taylor, D. (M)

Riderwood (BAL-3) Benjamin, H. J. (M) Ellen, S. T. (M) Hammond, J. W. (M) Pruitt, A. F. (M)

Riverdale (W-DC-3) Costanza, F. V. (M)
Raffel, J. M. (M)
Smith, J. C., Jr. (A)
Withrow, W. E. (M)

ckville (W-DC-3)
Aucremanne, M. J. (M)
Austin, J. H. (A)
Bacon, E. J. (M)
Bacon, E. J. (M)
Beeck, W. L. (M)
Beeck, W. L. (M)
Beeck, W. L. (M)
Beer, M. H. (SM)
Bowman, J. E. (A)
Brodle, A. H. (M)
Brush, J. W. (A)
Burnside, E. D. (M)
Cole, W. M., Jr. (M)
Cole, W. M., Jr. (M)
Cole, W. M., Jr. (M)
Dellasanta, O. (M)
Dozler, J. J. L. (A)
Dye, J. E. (M)
Elsam, F. E. (M)
Fitzgerald, R. T. (M) Rockville (W-DC-3)

Frizzell, O. E. (M)
Gammill, R. A., Jr. (A)
Gamdenhour, A. J., Jr. (M)
Garver, R. V. (M)
Gerants, A. J. (M)
Gilliand, H. W. (A)
Gleason, R. J. (SM)
Haltiwanger, J. C. (A)
Hardin, C. D. (M)
Harris, E. M. (A)
Heilprin, L. B. (M)
Hoffman, L. (M)
Insley, R., Jr. (A)
Jones, R. H., Jr. (M)
Kelley, J. J. (M)
Kendall, F. H., Jr. (M)
Kendall, F. M., Jr. (M)
Morsbury, J. L. (M)
Larson, R. C. (M)
Larson, R. C. (M)
Larson, R. C. (M)
Loke, G. W., Jr. (M)
McGall, T. D. (M)
McGall, T. D. (M)
McGolrick, J. E. (M)
Moris, G. T. (M)
Noelcke, C. L., Jr. (SM)
Noelcke, C. L., Jr. (SM)
Noelcke, C. L., Jr. (SM)
Paradis, R. J. (M)
Paradis, R. J. (M)
Paradis, R. J. (M)
Salerno, J. (SM)
Salerno, J. (SM)
Salerno, J. (SM)
Self, C. T. (A)
Siedoe, O. D. (SM)
Smith, R. F. (A)
Sorger, G. U. (M)
Sulzer, P. G. (F)
Swanekamp, J. E. (A)
Swanekamp, J. E. (A)
Washins, P. L. (M)
Weshers, J. A., Jr. (M)
Welker, R. A. (M)

Rogers Heights (W-DC-3) Dodgson, J. G. (M)

Ruxton (BAL-3) Fell, T. T. (M) King, D. D. (F) Martin, A. C. (M)

St. Michaels (BAL-3) Lewis, G. (F)

Seabrook (W-DC-3) EIIIs, D. G. (A) Frame, R. H. (A) Gray, J. W. (M) Skaggs, J. W. (A) Sutton, J. C., II (M)

Severn (BAL-3) Blouch, D. H. (M) Heltman, E. H., Jr. (A)

Diouch, D. H. (M)
Heltman, E. H., Jr. (A)

Severna Park (BAL-3)
Adams, L. C. (M)
Bauman, R. E. (A)
Butler, H. J. (M)
Carr, R. W. (M)
Chaoman, R. W. (M)
Coleman, S. D., Jr. (M)
Gedance, A. R. (M)
Gray, M. G. (M)
Hastings, M. S. (M)
Hayes, M. E. (SM)
Hebrich, G. R. (M)
Hoffman, C. P. (A)
Hume, P. D. (M)
Jones, W. N. (SM)
Koenig, P. E. (SM)
Kramo, J. J. (M)
Le Febre, D. C. (A)
Mathleu, R. E. (M)
Money, M., Jr. (A)
Munro, J. R. (M)
Praeger, W. C. (M)
Roder, J. R. (M)
Praeger, W. C. (M)
Roder, J. R. (M)
Strong, M. E. (M)
Thompson, J. E. (M)
Van Duzer, K. W. Jr. (M)
Van Duzer, K. W. Jr. (M)
Wilde (BAL-3)
La Fevre. I. M.

Shady Side (BAL-3) La Fevre, L. M. (M) Wickman, M. (M)

Silver Spring (W-DC-3) Abramovich , M. N. (SM) Adams , R. (SM)

Alde, R. O. (A)
Allen, U. L., Jr. (M)
Anderson, H. W. (SM)
Anderson, H. W. (SM)
Anderson, H. W. (SM)
Anpacher, W. B. (SM)
Applebaum, A. (M)
Anspacher, W. B. (SM)
Applebaum, A. (M)
Ashour, G. B. (A)
Ballen, A. W. (A)
Ballen, B. P. (A)
Bassett, R. S. (M)
Bassett, R. S. (M)
Bassett, R. S. (M)
Beach, E. H. (M)
Beach, E. H. (M)
Beantleu, A. J. (A)
Beach, E. H. (M)
Bennett, P. L. (M)
Blackburn, C. A. (M)
Blackburn, C. A. (M)
Blackburn, C. A. (M)
Blackburn, C. A. (M)
Blackburn, C. M. (SM)
Blackburn, C. M. (SM)
Bomwit, K. S. (M)
Bowman, H. R. (M)
Bowman, H. R. (M)
Bowman, H. A. (M)
Boyle, D. R. (M)
Brown, C. W. (SM)
Brownstein, H. (SM)
Brown, C. W. (SM)
Br Freeman, J. N. (M)
Fullen, W. E. (M)
Fullen, W. E. (M)
Funkhouser, R. E., Jr. (M)
Galbols, G. A. (M)
Gale, M. (A) Gale, M. (A)
Gamertsfelder, H. E. (M)
Gamertsfelder, H. E. (M)
Garberson, J. R. (A)
Gaynor, N. (M)
Gelst, J. C. (SM)
Gelst, J. C. (SM)
Glibert, J. N. (SM)
Gilbert, J. N. (SM)
Gillear, M. E. (M)
Glassco, P. B. (SM)
Godsey, W. J. (M)
Godsey, W. J. (M)
Goldbero, H. (F)

Goldfarb, B. J. (SM)
Goldsteln, G. D. (M)
Goldsteln, G. D. (M)
Gordon, S. H. (M)
Gorozdos, R. E. (M)
Gossard, W. H. (M)
Gossard, W. H. (M)
Gossard, W. H. (M)
Greene, C. R., Jr. (M)
Greene, E. E. (M)
Greene, E. E. (M)
Gridley, C. J. (M)
Gulda, J. A. (SM)
Halvorsen, H. W. (A)
Halvorsen, H. W. (A)
Harlson, C. J. (M)
Harlson, C. J. (SM)
Harrison, C. J. (SM)
Harrison, C. J. (SM)
Herli, M. M. (M)
Herler, A. (M)
Herler, E. D. (M)
Herler, C. (M)
Hilbard, W. D. Jr. (M)
Hilkstrom, W. B. (M)
Hiltstrom, W. B. (M)
Hiltstrom, W. B. (M)
Hiltstrom, W. B. (M)
Hodalley, J. C. (SM)
Hoffman, C. W. (M)
Hodalley, J. C. (SM)
Hollins, J. L. (SM)
Hollis, J. L. (SM)
Hollis, J. L. (SM)
Hollis, J. R. (M)
Hooker, S. J. R. (M)
Hooker, S. J. R. (M)
Hooker, W. (M)
Hooker, W. (M)
Hunker, W. (M) Hunker, W. (M)
Hurklow, W. (M)
Hurklow, W. (M)
Hurklow, E. H. (SM)
Hascoe, R. A. (M)
Jacobs, G. (SM)
James, J. L. (M)
Jaeues, C. M. (A)
Jesurun, M. M. (M)
Johannessen, H. R. (M)
Johnston, T. F. (M)
Jones, R. E. (M)
Jordan, S. A., Jr. (SM)
Josenson, G. C. (A)
Joslow, J. (A)
Kanter, J. I. (M)
Karl, C. R. (M)
Karl, C. R. (M)
Karl, C. R. (M)
Kerney, R. W. (M) Katz, I. (SM)
Kerney, R. W. (M)
Kiebler, J. W. (M)
Kiebler, J. W. (M)
Kindall, J. J., Jr. (M)
King, R. G. (M)
King, R. G. (M)
King, R. G. (M)
King, R. G. (M)
Kirkland, G. I. (M)
Kirkland, G. I. (M)
Kirkland, G. I. (M)
Kirkland, G. J. (M)
Kirkland, G. J. (M)
Kind, R. G. (M)
Kink, R. W. (M)
Kroutsandreas, J. D. (M)
Kraus, R. W. (M)
Krebs, W. N. (VA)
Kreis, A. L. (WA)
Kreis, A. L. (M)
Kreithen, A. (SM)
Laine, R. G. (M)
Lambidakis, P. G. (A)
Latson, F. W. (M)
Laughlin, C. R., Jr. (A)
Leballand, R. E. (A)
Lebowitz, P. H. (A)
Lee, F. N. (A)
Lee, F. N. (A)
Lee, F. N. (M)
Leilma, G. (A)
Leonard, F. M. (M)
Leilma, G. (A)
Leonard, F. M. (M)
Leilma, G. (A)
Looney, H. C. (M)
Levine, S. (A)
Looney, H. C. (M)
Loonbardo, A. (A)
Looney, R. G. (M)
Liben, W. (SM)
Lieberman, G. (A)
Looney, R. G. (M)
Mack, S. J. (A)
Mackenzie, C. M. (M)
Machalin, A. (M)
Macker, R. S. (M)
Marsh, D. S. (M)
Marsh, L. J. Jr. (M)
McConald, L. W. (A)
McDuffie, G. E. Jr. (M)
McContant, W. J. (SM)
Messera, J. R. (M)
Mores, E. S. (A)

Munson, H. B. (SM)
Myrick, J. C. (M)
Myrick, J. C. (M)
Nagrant, J., Jr. (M)
Naley, W. (SM)
Nalley, W. (SM)
Nellis, R. E. (M)
Neeland, F. (M)
Newman, N. (A)
Norvell, J. B. (M)
Nucci, E. J. (SM)
Ober, H. E. (SM)
Ober, H. E. (SM)
Ober, H. E. (SM)
Oliver, M. E. (M)
Oliver, M. E. (M)
Oliver, M. E. (M)
Oliver, M. E. (M)
Pales, J. C. (M)
Parker, M. (M)
Parker, M. (M)
Pear, C. B., Jr. (M)
Protkin, G. N. (M)
Pickering, R. W. (M)
Pickering, R. W. (M)
Pickering, R. W. (M)
Protklin, G. N. (M)
Pollow, C. H. (M)
Porlizky, S. B. (M)
Presisman, A. (F)
Prentiss, S. R. (M)
Proudley, R. E. (A)
Prugh, T. A. (SM)
Pugh, M. E. (M)
Randolph, J. P., Jr. (SM)
Randolph, J. P., Jr. (SM)
Reagen, D. J. (M)
Redden, M. S., Jr. (M)
Redden, M. S., Jr. (M)
Robertson, T. M. (SM)
Robertson, T. M. (Sanders, W. E. (A)
Sasse, J. (M)
Schmidt, B. H. (M)
Schroeder, A. J. (A)
Schuchard, E. A. (M)
Schulman, J. R. (M) Schweitzer, A. J., (A)
Schweitzer, A. J., (A)
Scillian, G. L., (SM)
Seaton, J. W., (M)
Sera, F., (M)
Shao, K. E., (A)
Shapiro, G., (SM)
Shade, K. E., (A)
Shapiro, G., (SM)
Shaw, H. F., (M)
Sheopard, T. W., (M)
Sheopard, T. W., (M)
Sheopard, T. W., (M)
Silverman, S., (SM)
Simon, A., (A)
Silverman, S., (SM)
Simon, A., (M)
Simon, A., (M)
Simon, D., E., (SM)
Simon, A., (M)
Simon, D., E., (SM)
Simon, A., (M)
Simon, J., (M)
Simon, J., (M)
Smith, J. B., (A)
Smith, J. B., (A)
Smith, J. B., (M)
Solor, A., (M)
Solor, M., (M)
Solor, M., (M)
Solor, M., (M)
Solor, M., (M)
Stake, D., B., (SM)
Star, J., (A)
Steeperda, C., A., (M)
Stalke, D., B., (SM)
Star, J., (A)
Steet, H., W., L., (A)
Street, H., W., L., (A)
Street, H., W., L., (A)
Street, H., W., L., (A)
Sullivan, J. J., (M)
Taylor, R. E., (SM)
Terrell, R., L., (VA)
Toense, R., A., Jr., (M)
Upchn, C., R., (M)
Upchn, C., R., (M)
Varhus, H., H., (M)
Vilas, E., T., (M)

Goldberg, H. (F)

Wales, R. O. (M)
Walsh, G. W. (M)
Walters, F. M., III (M)
Walters, E. J., Jr. (M)
Walters, L. , Jr. (M)
Watson, R. D. (SM)
Webster, K. R. (A)
Welchbrod, J. (SM)
Weinberger, A. (M)
Weinser, S. (A)
Weltzel, R. L. (M)
Wester, S. (A)
Weltzel, R. L. (M)
Wester, S. (A)
Weltzel, R. L. (M)
Wester, S. (A)
Weltzel, R. L. (M)
Westerfield, E. E. (M)
Williams, C. SM)
Williamd, J. M. (M)
Williamd, J. M. (M)
Williams, E. M. (SM)
Williams, E. M. (SM)
Williams, E. M. (SM)
Williams, W. E., Jr. (SM)
Williams, W. E., Jr. (A)
Williams, W. E., Jr. (A)
Williams, W. E., Jr. (A)
Williams, C. (SM)
Witow, M. I. (M)
Witter, J. J. (M)
Worsley, C. C. (A)
Worsley, G. (SM)
Wuertenberg, W. E. (A)
Wyman, R. C. (M)
Yates, W. A. (SM)
Young, J. D. (SM)
Zimmerman, S. (M)
rks (BAL-3)

Sparks (BAL-3) MacNichol, E. F., Jr. (M)

Spencerville (W-DC-3) Smlth, W. L. (SM)

Spring City (W-DC-3) Ottolin1, D. F. (A)

Springfield (W-DC-3) Doyle, E. M. (M)

Stevensville (BAL-3) Wise, H.J. (SM)

Suitland (W-DC-3) Chapdelaine, A. J. (A) Fleischer, A. (M) Gustavus, H. (M)

Takoma Park (W-DC-3)
Anderson, W. R. (A)
Black, C. J. (M)
Cove, M. (M)
Donovan, P. F. (M)
Johnson, C. L., Jr. (M)
Lubore, S. H. (M)
Puttcamp, R. R. (M)

Timonium (BAL-3) Baker, D. A. (M)
Barbour, C. W. Jr. (SM)
Barbour, C. W. Jr. (SM)
Brown, H. C. (SM)
Brown, W. R. Jr. (M)
Colvin, J. W. (M)
Colvin, J. W. (M)
Colvin, J. W. (M)
Davison, F. A. (M)
Davison, F. A. (M)
Davison, F. A. (M)
Davison, F. A. (M)
Davison, S. R. (SM)
Deta Cova, P. V. (SM)
Diersine, C. B. Jr. (M)
Faher, D. C. (A)
Franz, W. J. (M)
Hart, A. C. (M)
Jones, W. R. (A)
Lee, R. A. (M)
MacGlashan, D. W. (M)
Mills, L. R., Jr. (M)
Mills, L. R., Jr. (M)
Mills, L. R., M. (M)
Reel, G. M. (M)
Reel, G. M. (M)
Scherbarth, R. A. (M)
Shelor, E. G., Jr. (M)
Smeltzer, R. F. (A)
Smeltzer, R. F. (A)
Smeltzer, R. F. (A)
Wedel, J. O., Jr. (A)
Willse, J. (C. Jr. (M)
Willse, J. C., Jr. (M)
Willse, J. C., Jr. (M)
Willse, J. C., Jr. (A)
Zutkoff, A. I. (A)

Towson (BAL-3)
Ackerman, W. W. (A)
Adams, R. L. (M)
Bang, B. A. (M)
Barelay, A. S., (M)
Campbell, R. R. (A)
Christianson, C. L. (M)
Christianson, C. L. (M)
Clark, M. C. (M)
Cope, R. W. (A)
Cosby, J. R. (M)
Covington, M. B., Jr. (M)
Dullinger, A. G., Jr. (A)
Eaton, T. T. (SM)
Edwards, R. B. (M)

Esher, J. R., Jr. (SM)
Fales, D., III (M)
Fales, D., III (M)
Forme, M. K. (M)
Gage, D. D. (SM)
Gebhardt, R. C. (A)
Gibson, R. L. (A)
Graffis, L. F., (SM)
Graffis, L. F., (SM)
Graffis, L. F., (SM)
Haffstrom, W. F. (M)
Hall, H. S. (M)
Hammond, J. W. (SM)
Hammond, J. W. (SM)
Hamks, H. C., Jr. (SM)
Harks, H. C., Jr. (SM)
Harks, H. C., Jr. (SM)
Harkield, G. I. (M)
Hatcher, J. H. (M)
Hatcher, J. H. (M)
Hollis, T. W., Jr. (A)
Houck, J. W. (A)
Holle, R. L. (M)
Hollis, T. W., Jr. (A)
Houck, J. W. (A)
Hulce, R. L. (M)
Johnson, G. M. (M)
Killon, R. H. (SM)
Killon, R. H. (SM)
Killon, R. H. (SM)
King, N. P., Jr. (M)
McDade, J. G. (A)
McEntyre, D. E. (M)
McBador, A. B., Jr. (M)
Namey, A. E. (SM)
Phalen, F. W. (M)
Pickens, R. A. (M)
Pickens, R. A. (M)
Pickens, R. A. (M)
Pickens, R. A. (M)
Schenck, T. M. (M)
Sibott, D. R. (A)
Sudia, A. T. (M)
Stout, D. R. (A)
Sudia, A. T. (M)
Taylor, J. H. (SM)
Vana, C. J. (M)
Vinson, R. R. (M)
Wilkenson, R. R. (SM)
Wilkiney, M. E. (SM)
Wilfie, L. H. (A)
Vates, L. R. (M)

University Park (W-DC-3) Burke, J. K. (A) Coker, R. H. (M) Prival, H. G. (M)

Walkersville (W-DC-3) Carstensen, E. L. (SM)

Welcome (W-DC-3) Lamm, C. M., Jr. (A)

Lamm, C. M., Jr. (A)

West Hyattsville (W-DC-3)
Almoulst, J. F. (A)
Bitz, E. A. (M)
Ferrara, A. A. (A)
Fine, C. E. (M)
Kessler, S. (A)
Kumetz, G. J. (M)
La Pointe, J. C. (SM)
Marzetta, L. A. (M)
Mitchell, G. S. (M)
Pittard, G. S. Jr. (M)
Roberts, P. M. (M)
Roberts, P. M. (M)
Rothschild, S. (M)
Trezona, G. E. (M)
Youch, S. D. (M)
Walter, R. J. (M)
Wolff, E. A. (M)

Westminster (BAL-3) Morgan, R. H. (M)

West Severna Park (BAL-3) Cowan, K. D. (A) Heazel, V. M., Jr. (M) Pincoffs, P. H. (M) Wojcicki, F. J. (A)

Wheaton (W-DC-3) aton (W-DC-3)
Cook, T. B. (M)
Doctor, N. J. (M)
Gragnani, O. J. (M)
Lepkowski, M. J. (A)
Luff, F. T. (M)
Marks, M. M. (SM)
Molcan, J. F. (A)
Paton, R. E. (M)
Petes, J. (M)

Wheaton Heights (W-DC-3) Baechtel, A. R. (M)

White Marsh (BAL-3) Francis, J. P. (A) MASSACHUSETTS

Abington (BOS-1) Mielke, E.S.(A) Pihl, G.E.(SM)

Acton (BOS-1) on (BOS-1)
Casey, R.F.(A)
Packard, L.E.(F)
Sawyer, C.E.(A)
Searle, R.W.(A)
Sletten, C.J.(M)

Adams (WM-1) McRae, W. J. (A) Starsiak, R. S. (A) Zabawa, E. P. (A)

Agawam (WM-1) Metcalf, W. C. (M) Rackliffe, R. J. (A)

Alston (BOS-1)
Allen, D.F. (M)
Futran, S. M. (M)
Belkin, A. (A)
Finkelstein, A. B. (M)
Herzberg, R.F. (M)
Labitt, B. H. (M)
Land, H. R. (M)
Lee, R. C. (M)
Max, S. M. (M)
Wenner, C. P. (A)
Whiteside, H. M. (M)

Amesbury (B-MV-1) Hambleton, P. N. (SM)

Amherst (WM-1) Laestadius, J. E. (M) Langford, J. W., Jr. (M)

Langford, J. W., Jr. (N
Andover (B-MV-1)
Cadran, L. R. (M)
Elowe, E. N. (M)
Fadden, J. J. (M)
Fadden, J. J. (M)
Farield, O. R. (SM)
Gearin, J. H., Jr. (M)
Goyette, P. E. (M)
Heislein, J. T. (A)
Hensel, W. G. (SM)
Hooson, R. W. (A)
Jordan, D. R. (M)
Koch, A. A. (M)
Koch, A. A. (M)
Newman, D. J. (M)
Newman, D. J. (M)
Rounds, W. A. (A)
Rounds, W. A. (A)
Rounds, W. A. (M)
Schmidt, R. E. (SM)
Terranova, D. S. (M)
White, J. R. (SM)
Welson, R. S. (M)
Welson, R. S. (M)
Yeiter, M. R. (M)
Arlington (BOS-1)

Arlington (BOS-1) Inition (BOS-1)
Abell, G. R. (M)
Ames, B., Jr. (M)
Ames, B., Jr. (M)
Astalfl, S. O. (A)
Balley, D. L. (M)
Ben-Or, Y. (M)
Binsack, J. H. (M)
Books, R. O. (M)
Bogart, R. M. (M)
Books, R. O. (M)
Boyart, R. M. (M)
Cambell, D. J. (A)
Castelll, J. P. (M)
Catelll, J. P. (M)
Chisholm, V. T. (M)
Cole, B. R. (M)
Collins, W. E. (M)
Collins, W. E. (M)
Collins, W. E. (M)
Collins, W. E. (M)
Defandorf, J. P. (M)
Ferguson, J. B. (M)
Forgle, J. E. (M)
Ganopi, J. (M)
Ganopi, A. (M)
Ganopi, J. (M)
Granlund, J. (M)
Granlund, J. (M)
Granlund, J. (M)
Haller, P. F. (M)
Haller, P. F. (M)
Harmond, R. A. (SM)
Harmond, R. Nuttall, A. H. (M)
Pasho, E. I. (M)
Pechacek, R. E. (M)
Perry, K. E. (A)
Plerce, J. A. (F)
Plotts, E. L. (SM)
Plousslos, G. (M)
Prue, H. W. (A)
Rizzi, S. R. (A)
Robinson, W. H. (M)
Rowe, A. J. (M)
Sauber, J. W. (SM)
Schweppe, F. C. (M)
Sheridan, W. F. (A)
Smoll, A. E. (SM)
Soron, H. I. (M)
Stanfield, R. B. (A)
Stephenson, L. (M) Soron, n.1.

Stanfield, R. B. (A)

Stephenson, L. (M)

Sulahian, H. S. (M)

Tassinari, S. P. (M)

Telch, W. W. (SM)

Theirs, C. M. (A)

Thompson, E. D. (M)

Titton, C. S. (SM)

Trunfio, A. P. (M)

Van Recklinghausen, D. R. (M)

Warren, R. M. (A)

Waston, P. C. (M)

Watson, P. C. (M)

Watson, P. C. (M)

Arlington Heights (BOS-1) Cleveland, L. (M) Lamson, H. W. (F)

Ashby (BOS-1) Coleman, D. L., Jr. (M)

Ashland (BOS-1) Boughnou, T. R. (M) Cook, W. J. (M) Deluski, E. F. (M) Distler, R. C. (M) Distier, R. C. (M)
Lipinoga, L. (M)
Pathe, J. F. (SM)
Petterutl, A. J. (M)
Prager, M. (M)
Sonnabend, J. S. (M)
Spellos, J. S. , Jr. (A)
Zeller, H. R. , Jr. (M)

Attlehom (ROS-1) eboro (BOS-1)
Allen, D. J. (A)
Athanas, D. (M)
Bliss, B. J. (A)
Boulanger, H. J. (M)
Flad, F. R. (M) Fiad, F.R.(M)
Gustafson, D.W.(A)
Logan, C.A.(M)
Puleston, R.B.(A)
Vetter, E.O.(M)

Attlehoro Falls (BOS-1) Lemer, I.S.(M)

Aubum (BOS-1) Beschie, R.G.(M) La Brie, R.H.(A)

burndale (BOS-1)
Comway, J. W. (M)
Day, P. F. (M)
Finneran, W. J. (A)
Harber, S. D. (SM)
Hartman, C. J. (M)
Herriksen, L. L. (M)
Ingalls, R. P. (M)
Janis, P. (SM)
Lutz, M. W. (M)
Merrill, B. (M)
Moritz, K. C. (SM)
Owen, J. Q. (M)
Sheppard, L. E. (M)
Talambiras, R. P. (M) Auburndale (BOS-1)

Avon (BOS-1) Chappell, I.C.(A) Edwards, E.W.(A) Hourihan, A.M.(A)

Babson Park (BOS-1) Horton, W. P. (M) Riblet, H. J. (F)

Bailard Vale (B-MV-1) Zink , A . J . , Jr. (SM)

ford (BOS-1)
Adolph , E. H. (M)
Adexander, R. M. (M)
Anderego , J. S. (M)
Angus, R. B. , Jr. (SM)
Ashenfelter, T. E. (M)
Baker, A. L. (M)
Baker, A. H. (M)
Bander, H. E. (SM)
Barett, R. M. (M)
Barrett, R. M. (M)
Brown, D. M. (M)
Brown , R. B. ||| (M)
Bruck, D. B. (M)
Burbo, J. H. (M)
Canty, W. J. (A) Bedford (BOS-1)

Capen, E. B. (M)
Carr, C. E. (A)
Carr, K. L. (A)
Clafiln, R. E., Jr. (M)
Craft, A. M. (M)
Craft, A. M. (M)
Craft, A. J. (M)
Del Guercio, J. V. (M)
De Vita, A. J. (M)
Frey C. C. (M)
Fadiman, J. R. (M)
Fremald, R. A. (A)
Fileld, W. G. (M)
Filed, W. G. (M)
Filed, W. G. (M)
Filed, W. G. (M)
Fricks, R. E. (M)
Fricks, R. E. (M)
Fricks, R. E. (M)
Griardt, R. H. (M)
Gicca, F. A. (M)
Hammond, G. H. (SM)
Hammond, G. H. (SM)
Hammond, G. H. (SM)
Hammond, A. (M)
Harrison, J. R. (M)
Harrison, J. R. (M)
Harrison, J. R. (M)
Harrison, C. C. (M)
Hodoson, J. C. (A)
Hearn, K. F. Jr. (M)
Hodoson, J. C. (A)
Johnson, P. C. (M)
Jones, G. C. (M)
Jones, G. C. (M)
Jones, G. C. (M)
Jones, G. C. (M)
McGurley, E. P. (M)
Kent, A. J. (A)
McGurley, E. P. (M)
McMutrie, D. L. (SM)
McGurley, E. P. (M)
McMutrie, D. L. (SM)
McGurley, F. P. (M)
Nagwy, F. Jr. (M)
Nagwy, F. Jr. (M)
Nerlins, J. F. Jr. (M)
Nagwy, F. Jr. (M)
Nerlins, J. F. Jr. (M)
Nagwy, F. J

Relmont (BOS-1) Imont (BUS-1)
Albert, B. (A)
Barry, J. G. (SM)
Blackburn, J. F. (M)
Cox, W. W. (M)
Cox, W. W. (M)
Crapo, S. T. (M)
Davidson, D. (M)
Devitch, D. E. (M)
Dolbear, B. L. (SM)
Duncan, D. (M)
Dolbear, B. L. (SM)
Duncan, N. L. (M)
Edgerton, H. E. (F)
Fried, C. (M)
Glennan, T. K., Jr. (M)
Gray, H. L. (A)
Gray, H. L. (A)
Gray, H. L. (A)
Handy, R. A. (A)
Hellenbrand, C. M. (M)
Hillderbrand, J. G., Jr. (M)
Hill, A. G. (F)
Hulburt, H. J., Jr. (M)
Klemperer, H. (A)
Kondi, S. E. (M)
Levison, W. H. (M)
Looney, W. P. (A)
Luscher, R. W. (A)
Macrakis, M. (A)
Mercer, W. R. (SM)
Moore, G. M., Jr. (M)
O'Day, M. D. (M)
O'Hara, F. J. (M)
O'Day, M. D. (M)
O'Hara, F. J. (M)
Peters, A. T. (A)
Peters, J. (A) Reed, J. (SM) Reed, J. (SM)
ReIntjes, J. F. (SM)
Restaino, A. D. (M)
Richardson, A. S. C. (M)
Riegelhaupt, N. H. (M)

Rines, R. H. (SM)
Ringer, M. (M)
Rona, T. P. (SM)
Saunders, A. C. W. (M)
Seaver, W. H. (M)
Simons, J. C. , Jr. (SM)
Stein, J. (A)
Taber, R. N. (M)
Travia, J.S. (M)
Vogan, E. L. (M)
Wagner, R. W. (M)
Wagner, R. H. (M)
Ward, H. R. (A)
Woodward, R. H. (M) Woodward, R. H. (M)

Berkshire (WM-1) Lord, R. W. (M)

Berlin (BOS-1) Krackhardt, R. H. (A)

Beverly (B-MV-1) Biggs, O. H. (M) Brown, N. J. (M) Biggs, O. H. (M)
Brown, N. J. (M)
Callely, J. A., Jr. (A)
Carr, E. G. (M)
Dillaby, E. F. (SM)
Ferris, P. A. (A)
Finneault, W. I. (M)
Galluzzi, N. P. (M)
Gustafson, E. M. (A)
Hoins, H. (A)
Juhola, C. (SM)
Kraeuter, L. D. (M)
Krinsky, B. D. (M)
McCarthy, H. J. (SM)
McCarthy, H. J. (SM)
McKinley, J. J. (A)
O'Brlen, C. A. (M)
Perron, R. R. (M)
Perscott, G. A. (A)
Prescott, G. A. (A)
Rusenberg, H. G. (SM)
Rusenberg, H. G. (SM)
Rusenberg, H. G. (SM) Rudenberg, H. G. (SM) Ryan, H. G. (M) Safran, L. (M)

Billerica (BOS-1)
Brooking, B. M. E. (M)
Chamley, E. (A)
Danko, J. J. (M)
Dixon, L. H., Jr. (M)
Fucci, E. A. (A)
Helser, W. W. (M)
Masi, J. L. (M)
Mohr, M. C. (M)
Nickless, H. C. (A)
Norviel, H. D. (SM)
Parker, E. O., Jr. (M)
Rand, J. C. (A)
Williamson, R. S. (M)

Rolton (BOS-1) Mechlin, R. N. (M) Slade, C. B. (A) Wilson, H. M. (SM)

Janue, C., B. (A)
Wilson, H. M. (SM)

Boston (BOS-1)
Albersheim, W. J. (F)
Alford, A. (F)
Bachman, W. S., Jr. (M)
Balley, R. B. (A)
Balrid, H. S. (A)
Balrid, H. S. (A)
Balrid, H. S. (A)
Balarid, H. S. (A)
Balarid, H. S. (A)
Balarid, H. S. (M)
Balarid, G. F. (M)
Balarid, G. F. (M)
Bardeld, M. L. (M)
Bardeld, M. L. (M)
Beron, R. C. (M)
Beron, F. C. (M)
Beron, F. C. (A)
Berman, J. (M)
Bistany, F. A. (A)
Bitz, D. (M)
Bordewleck, R. W. (A)
Bothwell, T. P. (M)
Bramson, M. (M)
Bramson, M. (M)
Branter, B. J. (M)
Brilliant, M. B. (M)
Carpenter, R. O. (M)
Chandler, C. H. (SM)
Chora, A. (A)
Christian, J. W., Jr. (M)
Chung, Y. T. (M) Cheatham, T. P., Jr. (SM)
Chopra, A. (A)
Christian, J. W., Jr. (M)
Chung, Y. T. (M)
Copps, E. M., Jr. (M)
Czukrasz, Z. P. (A)
Darsch, C. G., Jr. (M)
Davidson, F. T. (M)
DeFigueiredo, R. J. P. (M)
Detrick, D. M. (M)
DeWolf, N. (M)
Downes, A. C. (A)
Dougherty, J. D. (A)
Dougherty, J. D. (A)
Eaton, L. G. (M)
Edde, J. L. (M)
Ertman, W. M. (M)
Essigmann, M. W. (SM)
Evans, R. R. (M)
Farnsworth, E. P. V. (SM)
Favaloro, C. J. (A)
Fenter, W. S. (A)
Finke, H. E. J. (M)
Foundas, G. J. (M) Foundas, G. J. (M)
Friend, P. A. (M)
George, G. F. (M)
Germeshausen, K. J. (SM)

Gianoukos, W. A. (M) Glass, W. G. (M) Goldberg, H. B. (M) Gordon, B. M. (M) Green, B. (M)
Grossimon, H. P. (A)
Grossimon, H. P. (A)
Grumman, G. S. (A)
Gunders, E. (M)
Grumman, S. S. (A)
Gunders, E. (M)
Haberstroh, A. (SM)
Haberstroh, A. (SM)
Haberstroh, A. (SM)
Hallenstein, N. A. (M)
Hamilton, S. R. (M)
Hardsog, H. N. (SM)
Hart, F. W. (A)
Hartman, R. H. (M)
Hastings, T. M. , Jr. (SM)
Hetherington, J. S. (M)
Hetherington, J. S. (M)
Hebernstron, J. S. (M)
Hobson, J. E. (F)
Hofstetter, E. M. (M)
Hobon, J. E. (F)
Hofstetter, E. M. (M)
Horlick, P. H. (M)
Johnson, A. H. (M)
Katz, L. (M)
Kearsley, W. A. (M)
Katz, L. (M)
Kener, R. C. (A)
Kerk, C. T. (A)
Kilroy, H. P. (M)
Kim, Y. S. (M)
Kleln, R. D. (M)
Kleln, R. D. (M)
Lee, F. (M)
Ley, H. S. (SM)
Lowenthal, M. (M)
Lundberg, T. H. (A)
McLaughlin, R. J. (A)
McLaughlin, R. J. (M)
Miller, H. E. (M)
Mott-Smith, J. C. (M)
Miller, H. E. (M)
Mott-Smith, J. C. (M)
Miller, H. E. (M)
Owen, S. (M)
Palmer, R. T. (M)
Phelps, L. I. (A)
Pick, G. G. (M)
Pratt, H. J., Jr. (M)
Randall, D. S. (SM)
Schindler, J. A. (A)
Schmitt, J. P. (A)
Schortz, S. (SM)
Scleglenny, J. (M)
Schortet, J. R. (A)
Schwartz, S. (SM)
Schindler, J. A. (A)
Wagner, P. S. (M)
Wagner, M. H. (SM) Wozencraft , J. M. (SM)

Boxford (B-MV-1) Fulton, R. O. (A) Kuczun, C. G. (M)

Braintree (BOS-1) Brennan, J. E. (M)
Myrbeck, E. R. (SM)
Polachowski, B. A. (A)
St. Andre, G. O. (A)

Bridgewater (BOS-1) Wilber, L. C. (M)

Brighton (BOS-1) ghton (BOS-1)
Bernstein, H. (M)
Carpenter, D. P. (M)
Chan, M. C. H. (M)
Daly, W. G., Jr. (M)
Gillis, J. E. (M)
Goldman, E. M. (M)
Huogan, A. J. ((M)
Jacob, F. (M)
Johnson, K. R. (A)
Kaufman, L. J. (M)
Larkin, J. D. (M)
Larkin, J. D. (M)
MacDonald, F. D. (A)
Margolin, M. C. (M Masse, D. J. (A)
Meyrowitz, P. E. (M)
Montanari, R. E. (M)
O'Neil, R. E., Jr. (M)
Romano, D. S. (SM)
Rotman, W. (M)
Rotman, W. (M)
Schwartz, R. J. (M)
Sussenguth, E. H., Jr. (M)
Talley, W. K. (M)
Tsacoyeanes, C. W. (M)
Weiner, G. (M)
Wolf, S. M. (A)
Yurt, X. (VA)

ckton (BOS-1)
Bianco, F. P. (M)
Bryant, R. L. (M)
Casey, A. A., Jr. (M)
Dulskis, R. (M)
Ewell, R. M., Jr., (A)
Fortier, O. V. (M)
James, P. G., Jr. (A)
Loughlin, B. J. (A)
Mac Lead, A. D. (M)
Mazeiko, C. K. (M)
Price, C. W. (A)
Ronis, W. J. (M)
Rubin, H. L. (A)
Sampson, E. J. (A)
Shuck, T. L. (A)
Stratch, A. R. (M)
Swanson, H. A. (M)
Tang, A. Y. C. (A)
Uses, E. P. (M)
Ward, A. G. (M) Brockton (BOS-1)

Brookline (BOS-1)
Ackerman, R. L., Jr. (M)
Andreika, J. T. (M)
Anfenger, E. (M)
Baer, J. (SM)
Baer, J. (SM)
Bergmann, S. M. (M)
Bloom, J. H. (M)
Bow, B. H. (A)
Cohler, E. U. (SM)
Crystal, M. I. (M)
De Mattos, R. F. (M)
Doctor, D. E. (A)
Doctor, D. E. (A)
Doctor, D. E. (A)
Doctor, D. E. (A)
Dotor, D. E. (A)
Dotor, D. E. (M)
Feldman, H. (M)
Frewald, W. J. (A)
Goldberg, S. H. (M)
Goldman, D. J. (M)
Green, A. I. (M)
Hart, W. H. (M)
Hersh, A. I. (M)
Hart, W. H. (M)
Mallzia, J. P. (M)
Komis, R. D. (SM)
Lewis, G. S. (A)
Lorant, C. R. (M)
Miller, A. (SM)
Miller, A. (SM)
Monks, G. G. (A)
Nathan, P. M. (M)
Neumann, H. D. (A)
Newberg, I. L. (A)
Polayes, M. B. (A)
Proman, J. N. (A)
Polayes, M. B. (A)
Proman, J. N. (A)
Polayes, M. B. (A)
Proman, J. N. (A)
Seigman, R. I. (M)
Sakrison, D. J. (M)
Segel, H. P. (A)
Seligman, R. I. (M)
Sikoryak, W. J. (A)
Silver, R. (M)
Sikoryak, W. J. (A)
Silver, R. (M)
Sikoryak, W. J. (A)
Silver, M. M. (M)
Strashill, H. F. (A)
Sudduth, W. B. (A)
Tragaway, R. T. (M)
Weiner, M. M. (M)
Wolfson, A. H. (SM)
Zabludowsky, A. (M)

Zabludowsky, A. (M)

Burlington (BOS-1)

Boucher, G. F. (M)

Brown, C. J. (M)

Carruthers, C. W. (M)

Collins, J. A. (M)

Collins, J. A. (M)

Corrigan, J. P. (M)

Dion, D. F. (A)

Ellis, W. R. (M)

Gills, M. S. (A)

Granger, C. E. (M)

Gill, M. S. (A)

Granger, C. E. (M)

Hergenrother, R. M. (M)

Hopkins, C. H. (A)

Houlding, N. (SM)

Jolly, J. B. (M)

Lally, R. D. (M)

Lovell, R. W. (M)

Lovell, R. W. (M) Lund, R. W. (A)

Marino, P. F. (M)
Mark, R. B. (A)
Markow, R. B. (A)
McCully, R. G. (A)
Miller, J. S. (M)
Morison, C. D. (M)
Neidorf, E. (M)
Nevins, J. L., Jr. (M)
Neidorf, E. (M)
Peterson, D. E. (A)
Nygard, J. C. (M)
Peterson, D. E. (M)
Peterson, D. E. (M)
Peterson, D. E. (M)
Rasmanis, E. (A)
Rece, D. L. (A)
Ross, D. A. (M)
Sandholm, R. G. (M)
Schoenberger, W. J. (SM)
Schoenberger, W. J. (SM)
Schorn, M. G. (M)
Scotney, J. H. (M)
Seamans, R. C., Jr. (SM)
Sferrino, Y. J. (M)
Serrino, Y. J. (M)
Sievers, W. E. (M)
Smyth, R. R. (SM)
Sorll, G. B. (M)
Sullivan, J. L. (A)
Tanner, W. E. (M)
Thomassen, N. E. (M)
Ullir, A., Jr. (SM)

Buzzards Bay (BOS-1) Anderson, R. W. (A) Engstrom, H. T. (F)

Byfield (B-MV-1) Jacomb, R. A. (M)

Cambridge (BOS-1) nbridge (BOS-1)
Adams, G. J. (SM)
Adams, G. J. (SM)
Adams, G. J. (SM)
Aler, R. B. (SM)
Alken, H. H. (SM)
Alken, H. H. (SM)
Alken, P. L. (A)
Alonso, R. L. (A)
Alonso, R. L. (A)
Alonso, R. L. (A)
Applegate, C. E. (SM)
Bagley, P. R. (M)
Bagley, P. R. (M)
Ball, J. H. (M)
Basch, M. W. (M)
Barch, J. J. (M)
Basch, M. W. (M)
Barch, J. J. (M)
Bers, A. (M)
Brown, G. S. (F)
Brown, R. M. (M)
Brown, G. S. (F)
Brown, G. S. (M)
Calyton, J. M. (SM)
Clayton, J. M. (SM)
Clayton, J. M. (SM)
Cooper, B. F. (M)
Cooper, B. F. (M)
Cooper, B. F. (M)
Downing, R. E. (M)
Downing, J. L. (M)
Downing, R. E. (M)
Downing, J. L. (M)
Downing, R. E. (M) (M)

Gavin, J. M. (SM)
Glidea, H. (M)
Gliman, M. A. (M)
Glassmeyer, J. M. (M)
Goldstein, M. H., Jr. (M)
Grande, D. I. (A)
Gray, D. A. (M)
Gray, D. J. (M)

Gray, J. C. (M)
Gray, J. C. (M)
Gray, T. S. (SM)
Greene, O. (A)
Greeneough, H. V., Jr. (M)
Grossi, M. D. (M)
Hamin, E. A. (F)
Hagan, T. G. (A)
Hamilton, D. H., Jr. (A)
Haming, D. R. (M)
Harlis, S. M. (M)
Harlis, S. M. (M)
Hathaway, G. M. (A)
Harey, P. J. (M)
Harlis, S. M. (M)
Heller, P. N. (A)
Hersh, J. F. (M)
Holkman, R. W. (SM)
Hillis, F. B. (M)
Holkman, R. W. (SM)
Hillis, F. B. (M)
Holkman, R. W. (SM)
Hillis, F. B. (M)
Hogan, W. D. (M)
Hogan, W. D. (M)
Hogan, W. D. (M)
Howard, R. A. (M)
Howard, R. A. (M)
Howard, M. M. (SM)
Howard, M. M. (SM)
Hughes, G. W. (M)
Hughes, G. W. (M)
Johansen, D. E. (M)
Johansen, D. E. (M)
Johansen, D. E. (M)
Johansen, D. E. (M)
Kaly, A. F. (M)
Kaly, A. F.

Robichaud, A. W. (M)
Robinson, K. W. (M)
Robinson, K. W. (M)
Rodgers, F. A. (M)
Rodgers, F. A. (M)
Rodgers, F. A. (M)
Romat, J. R. (SM)
Rosellke, D. A. (M)
Romat, E. E. (M)
Rosen, G. (M)
Salton, G. (M)
Salton, G. (M)
Salton, G. (M)
Salton, G. (M)
Schett, H. J. (A)
Schett, H. J. (A)
Schett, H. J. (A)
Schoeffler, J. D. (M)
Schwarzkopf, D. B. (M)
Schwarzkopf, D. B. (M)
Scott, A. C. (M)
Scars, N. E., Jr. (M)
Seary, J. B. (M)
Scott, A. C. (M)
Seary, J. B. (M)
Schwarzkopf, D. B. (M)
Shallon, J. C. (M)
Shallon, J. (M)
Solomonoff, R. J. (M)
Susokind, A. K. (M)
Susokind, A. K. (M)
Strandberg, M. W. P. (F)
Stratton, J. A. (F)
Sullivan, L. T. (M)
Susokind, A. K. (M)
Strandberg, M. W. P. (F)
Stratton, J. A. (F)
Sullivan, L. T. (M)
Susokind, A. K. (M)
Strandberg, M. W. P. (F)
Stratton, J. A. (F)
Sullivan, L. T. (M)
Susokind, A. K. (M)
Willen, C. E. (SM)
Trantham, H., J. (M)
Willen, C. E. (SM)
Tumer, A. S. (M)
Westsphal, W. B. (M)
Willen, C. R. (M)
Willen, C. R. (M)
Willen, F. M. (M)
Willen, C. R. (M)
Woodward, C. E. (, R.(SM)

Canton (BDS-1)
Blumenthal, S. P. (A)
Buckley, E. F. (SM)
Burgory, E. F. (SM)
Burgory, E. L. (M)
Burgory, C. L. (M)
Canill, T. C. (A)
Callahan, R. J. (M)
Cuming, W. R. (M)
Dorian, J. M. (M)
Dunleavey, F. S. (A)
Keller, A. L. (A)
Slawsby, N. (M)
Volk, M. C. (A)
Wissenbach, F. O. (A)

Zacharlas, J. R Zoll, D. J. (M)

Carlisle (BOS-1)
Dabis, J. C. (M)
Gillette, J. S. (M)
Macmillan, R. R. (M)
Malech, R. G. (A)
Parke, N. G., III (M)

Charlestown (BOS-1) Gibbons, J. F (M)

Chelmsford (BOS-1)
Chutchlan, Z. S. (M)
Drury, W. H. (M)
Kahan, S. D. (A)
Lin, H. C. (M)
Manahan, G. F. (M)
Manahan, J. F. (M)
Manty, W. A. (SM)

Marcotte, A. G. (A)
Martin, R. A. (M)
Palmer, W. F. (A)
McComack, T. L. (M)
Sanderson, A. E. (M)
Smithson, G. (SM)
Toth, W. E. (M)
Wade, C. E. (SM)
Wallace, N. E. (A)

Chelsea (BOS-1)
Baravella, J. G. (A)
Gallant, R. M. (A)
Rosen, S. (M)
Scudney, B. V. (M)
Sokolove, M. G. (M)

Cheshire (WM-1)
Davis, A. J. (M)
Leonard, S. C. (SM)

Chestnut Hill (BOS-1)
Bezuszka, S. J. (M)
Blanchard, R. L. (SM)
Cooper, G. (M)
Frank, W. I. S. (M)
Gansler, J. S. (M)
Goldh, L. A. (M)
MuParlau, R. L. (SM)
Richards, P. I. (A)
Schiffman, M. M. (M)
Zleper, S. M. (M)

Chicopee (WM-1) Stasiowski, C. M. (M) Szczepanski, J. J. (A) Zdeb, S. E. (M)

Chicopee Falls (WM-1) Duichinos, J. (M) Grooms, W. G. (A)

Clinton (BOS-1)
Gottlieb, D. C. (M)
Surprenant, A. H. (A)

Surprenant, A. H. (A)

Cochituate (BOS-1)
Bean, O. E. (M)
BIIIIg, L. S. (SM)
Brown, K. E. (M)
Donner, J. B. (SM)
Faigen, I. M. (SM)
Higgins, W. F. (M)
Hugbon, K. (M)
Humphrey, W. S. (SM)
Johnson, S. L. (A)
Krasnick, B. (M)
Krasnick, B. (M)
Lucas, E. J. (M)
Marcley, W. E. (M)
Sharaf, H. M. (M)
Wilkinson, C. W. (M)

Cohasset (BOS-1)
Ainsile, H. W., Jr. (M)
Copson, D. A. (M)
Lippitt, K. H. (SM)
Massa, E. A. (SM)
Palmiter, R. B. (SM)
Rowland, H. J. (SM)

Concord (BOS-1)
Anderson, H. E. (M)
Bibbins, L. L. (M)
Bibbins, L. L. (M)
Bibbins, L. L. (M)
Bibbins, L. L. (M)
Biacksmith, P., Jr. (M)
Bosch, F. M. (M)
Cayouette, R. L. (A)
Caulete, R. L. (A)
Caulete, R. L. (A)
Caulete, R. L. (A)
Caulete, R. (M)
Conelly, M. E. (M)
Cottle, H. O. (A)
Daniels, R. (A)
Davenport, W. B., Jr. (F)
Dickson, A. W. (M)
Dolan, R. P., Jr. (M)
Dolan, R. P., Jr. (M)
Donnelly, F. J., Jr. (M)
Edelberg, S. (M)
Ehrenfried, A. D. (SM)
Ehrenfried, A. D.

Newman, P. (SM)
Patterson, R. F., Jr. (M)
Penfield, H. (M)
Pickering, R. L. (M)
Roberts, G. T. (M)
Rotondo, P. A. (M)
Sallet, A. P. (M)
Schenck, J. (M)
Schenck, J. (M)
Seamans, J. O. (M)
Slade, H. L. (M)
Slade, H. L. (M)
Snay, R. J. (M)
Snay, R. J. (M)
Temme, D. H. (M)
Temme, D. H. (M)
Tuttle, W. N. (F)
Tyler, V. M., 11 (M)
Vance, P. R. (M)
Vance, P. R. (A)
Walen, R. S. (M)
Westcott, V. C. (M)
Wingate, S. A. (M)
Youch, E. A. (M)
Zorzy, J. (M)

Dalton (WM-1)
Allen, J. J. (M)
Maguire, M. F. (M)
Newsham, C. D. (M)
Schuler, R. L. (M)
Van Patten, R. A. (M)

Danvers (B-MV-1)
Bevitt, W. D. (M)
Bimie, B. A. (M)
Brandt, I. L. (M)
Carter, G. E., Jr. (M)
Caster, G. W. (M)
Caskin, D. D. (A)
Chemyshov, V. N. (M)
Cotter, W. L. (A)
Dirks, L. H. (M)
Dominick, F. J. (M)
Franzen, G. H. D. (A)
Frohock, W. S. (M)
Gibson, R. E. (A)
Glasberry, M. (M)
Hedt, B. P. (M)
Hull, J. A. (A)
Kern, R. H. (M)
Kowalski, R. M. (M)
Record, F. A. (M)
Sokolov, D. A. (M)

Dedham (BOS-1)
Dantas, C.E. (M)
Fiola, W. J. (M)
Keams, T. M. (M)
Levesque, P. J. (M)
Nackley, J. F., Jr. (M)
Spadoni, E. R. (A)
Tahan, E. N. (SM)

Dennis, (BOS-1) Zopatti, R.C.(M)

Dorchester (BOS-1)
Castellani, A. E. (M)
Chin, B. M. (A)
Cochrane, D. O. (M)
Cochrane, D. O. (M)
Cochrane, D. O. (M)
Cochrane, D. O. (M)
Cochrone, A. F. (M)
Czechowski, E. W. (M)
Devine, W. L. (A)
Dorcherty, E. E. (A)
Donovan, W. C. (M)
Eilins, V. (M)
Epsteln, M. A. (A)
Fistal, M. S. (M)
Fox, R. M. (A)
Galarte, E. T. (M)
Goldstein, O. S. (A)
Gray, E. L. (A)
Hartford, W. J. (M)
Jones, W. C. Jr. (M)
Kalakowsky, C. B. (M)
Kansky, M. L. (M)
Meister, M. (A)
Mikutec, T. E. (M)
Morris, J. P. (A)
Morris, J. P. (A)
Morris, J. P. (A)
Nenortas, K. (M)
Renner, G. W. (M)
Shear, H. (A)
Sims, B. S. (M)
Tessari, P. (M)
Titlebaum, B. M. (M)
Tursky, B. (A)

Oover (BOS-1) King, J. G. (M) Melancon, L. (M)

Dracut (B-MV-1) Fairweather, O. R. (M)

Dudley (BOS-1) Swana, M.R.(A)

East Boston (BOS-1)
Berni, L. W. (M)
Capoblanco, A. A. (M)
Curiha, J. A. (A)
D'entremont, A. O., Jr. (M)
Mastromarino, J. A. (A)
Welling, A. J. (M)

East Brookfield (BOS-1) Houlihan, R.P.(M)

East Dedham (BOS-1) Hamilton S.J.(A)

East Falmouth (80S-1) Bierman, C. W. (A)

Easthampton (WM-1) Gnacek, W. J. (M) Mesh, T. J. (SM)

East Longmeadow (WM-1) Fugere, O.G.(M)

East Lynn (BOS-1) Kazules, A. J. (M)

Eastondale (BOS-1) Ray, K.B. (A)

East Walpole (BOS-1) Ackerman, S. (M)

East Weymouth (BOS-1) Chevli, N. A. (A) Fulton L. G. (A) Karaian, E. (A) McLaughlin, A. J. (M)

Egypt (BOS-1) Frank, L. G. (M) Salsgiver, J. P. (A) Versoy, I. R., Jr. (M)

Everett (BOS-1)
Breen, P. T. (M)
Ganitt, E. D. (A)
Kiewitcz, F. A. (M)
Massaro, R. P. (M)
Murphy, T. F. (A)
Newell, B. C. (A)
Veal, J. E. (M)

Fairhaven (BOS-1) Robinson, W. M. (SM)

Fairview (WM-1)
Austin, J. B., Jr. (SM)

Fall River (BOS-1)
Buchann, R. (A)
Buchanan, J. R. (A)
Buckley, A. E., Jr. (A)
Oesilets, D. J. (M)
Horvitz, S. (A)
Migneault, R. G. (M)
Roy, J. R. (M)
Ryan, J. E. (A)

Falmouth (BOS-1)
Johnston, A. T. (M)
Landry, S. G. (M)
Le Roy, R. C. (M)
Stimson, P. B. (A)

Falmouth Foreside (BOS-1) Edwards , B . H . (M)

Fayville (BOS-1) Dunnet, W. J. (M) Pouliot, L. J. (A)

Feeding Hills (WM-1) Call, S.S.(A) Zucco, V.S.(M)

Fitchburg (BOS-1)
Arthur, G., M. (M)
Lundberg, R. E. (M)
Moran, J. M. (SM)
Pandisclo, A. A. (M)
Snyder, O. C. (M)
White, D. A. (A)

Florence (BOS-1) Rachals, R. (M)

Fort Devens (BOS-1)
Fiorelli , M . C . (M)
Folkestad , G . T . (M)
Townsend , N . L . (A)

Foxboro (BOS-1)
Bristol, E.H. (M)
Soderstrom, R.E. (A)
Spector, F.L. (M)
Sturgeon, S.S. (M)
Terrell, G.C. (M)
Wells, C.H. (A)

Wells, C. H. (A)

Framingham (BOS-1)
Abdun-Nabi, Z. (M)
Abrams, S. M. (M)
Appleman, M. A. (M)
Appleman, M. A. (M)
Beals, E. H. (M)
Bennett, H. W. (SM)
Bond, E. E. (SM)
Boubli, E. J. (A)
Bovill, A. W. (M)
Bowers, W. A. (M)
Brecken, J. R. (M)
Brundage, E. J. (M)
Caldicott, J. K. (M)
Clymas, G. (A)
Coker, G. F. (M)
Ooppernall, R. W. (M)
Daly, R. H. (M)
Denman, J. G. (M)

Dushman, A. (M)
Earl, R. J. (M)
Fargmann, G. (A)
Floridia, M. S. (M)
Forgione, E. A. (M)
Garber, T. A. (A)
Gilmore, A. R. (M)
Ginsberg, I. (A)
Greenfield, S. E. (M)
Guy, S. A. (M)
Hamilton, W. H. (M)
Hoogasian, H. (M)
Hoogasian, H. (M)
Irish, F. E., Jr. (M)
Jamleson, J. B., Jr. (M)
Jamleson, J. B., Jr. (M)
Kalin, R. L. (A)
Kates, R. (M)
Kohale, A. (M)
Kotose, R. (M)
Kotose, G. (M)
Kross, V. (M)
Kross, V. (M)
Kross, V. (M)
MacDevogali, J. S. (M)
MacDevogali, J. S. (M)
Meretsky, P. L. (M)
Michelson, M. (SM)
Miller, M. M. (M)
Miller, S. J. (M)
Miller, G. L. (SM)
Meretsky, P. L. (M)
Miller, G. L. (SM)
Meretsky, P. L. (M)
Rodowall, J. F. Jr. (A)
Parad, L. I. (A)
Parad, L. I. (A)
Parad, L. I. (A)
Pastema, G. B. (M)
Rahilly, J. P. (M)
Ramington, R. C. (M)
Rideout, H. A. (M)
Rosen, L. (SM)
Salybery, E. (A)
Sawyer, D. S. (A)
Syevocurka, S. (A)
Traub, A. C. (M)
Timms, A. S. (A)
Traub, A. C. (M)
Timms, A. S. (A)
Traub, A. C. (M)
Woodley, G. V. (M)
Varian, N. (M)
Zwerling, M. (A)

Framingham Center (BOS-1)
Charasz, J. G. (M)
Danforth, W. C. , Jr. (A)
Driscoll, W. G. (SM)
Gerdes, J. W. (M)
Hadfield, B. M. (SM)
Harmond, C. R. (M)
Hurlbut, W. A. (A)
Iffland, J. J. (SM)
Keleher, A. E. , Jr. (M)
Schwartz, E. R. (A)

Franklin (BOS-1) Deerfield, A. J. (A)

Gardner (BOS-1) Neunherz , R . K . (M)

Georgetown (B-MV-1)
Gammle, J. (M)
Nunan, K.W., Sr. (A
Petraltis, A.J. (M)

Gioucester (B-MV-1)
Ouffy, J. M. (A)
Hammond, J. H., Jr. (F)
Ktistes, P. J. (M)
Moore, A. S. (A)
Paschal, H. A. (M)
Poole, J. F. (A)
Puringston, E. S. (SM)
Short, J. A., Jr. (A)

Great Barrington (WM-1) Hemmes, R. T. (M)

Greenbush (BOS-1) Brooks, G.W.(M)

Greenwood (BOS-1)
Bird, G. L., Jr. (A)
Wheeler, O. R. (M)

Groton (BOS-1)
Pineo, V.C.(A)
Thibeau, C.E.(A)
Woodsum, S.P.(M)
Young, K.A.(SM)

Groveland (B-MV-1) Bradley, H. L. (M)

Hamilton (BOS-1)
Boise, E.B. (A)
Hammann, R.K. (M)
Nichols, H.F., Jr. (A)
Rowlands, E.R. (M)
Street, E.L. (A)

Hanover (BOS-1) Jacobson, R.E.(M) McGrath, J.L.(M)

Harvard (BOS-1) vard (BOS-1)
Burton, G. L. (M)
Goldstein, S. J., Jr. (M)
Hammett, T. F. (M)
Hynes, R. T. (M)
Lee, R. F. (M)
Osborn, A. (M)
Strang, D. B. (SM)
Whitfield, W. D. (M)

Haverhill (B-MV-1) Atwood, D.J., Jr. (M)
Feldman, E.J. (A)
Halloran, T.F. (A)
Krawiec, J.P. (M)
Santarelli, M.J. (M) Servetnick, J. (M)

Hawthome (BOS-1) Nichols, N. P. (M)

Havdenville (WM-1) Curtis, L.F. (SM)

Hingham (BDS-1)
Broster, G. S. (M)
Cary, T. R., Jr. (M)
Craigle, S. M. (SM)
Davies, H. E. (A)
Dawson, J. W. (F)
Hall, J. A. (M)
Hyland, R. C. (A)
Massa, F. (F)
Murphy, A. L. (M)
Pinel, A. F. (A)
Pratt, F. (VA)
Vander Wolk, W. W., Jr. (M)
Wood, J. O. (M)

Holbrook (BOS-1) Coughlin, J. J. (A) Stone, I. M. (A) Wisneski, W. F. (M) Worobey, E. (M)

Holden (BOS-1) Andreasen, I. (M) Wilder, F. H., Jr. (A) Wise, D. P. (SM)

Holliston (BOS-1)
Dahlem, R. K. (A)
Gordon, R. R. (M)
La Shomb, S. D. (A)
Nobles, F. L. (A)
Peters, J. D. Jr. (A)
Sharpe, D. (A)
Thomas, H. J. Jr. (A)
Valpey, R. S., Jr. (A)
Wyckoff, R. L. (M)

Holyoke (WM-1)
Hampson, F. W. (A)
Junkins, C. E., Jr. (A)
Kennedy, D. J. (A)
King, F. H. (M)
Marek, J. W. (A)
Marek, M. B. (A)
Paszko, H. A. (A)
Wemirch H. (M) Wemick, H. (M)

Hopedale (BOS-1) Sample, R.F.(M) Tinkham, M.E.(A)

Hopkinton (BOS-1) Cleverley, D. S. (M) Fraleigh, R. V. (A) Moylan, J. D. (M) Scott, W. A. (M)

Hudson (BOS-1) Burdick, G. E. (M)
Cleary, R. W. (A)
Dobrowolski, E. P. (A)
Pauplis, L. M. (M)

Hyannis (BOS-11 Swift, W. H., Jr. (M)

Hyde Park (BOS-1) Burke, W. T. (M) Cushman, G. F. (M) Kuperstein, M. S. (A) Nucefora, M. A. (M)

Indian Drchard (WM-1) Aykanian, A.A.(M)

Ipswich (B-MV-1) wich (B-MV-1)
Blair, G. R. (M)
Foss, D. W. (M)
Mavroides, W. G. (M)
Moloson, A. H. (M)
McMillan, E. B. (SM)
Moran, J. G. (M)
Plaisted, A. H. (A)
Sweetser, L. R. (M)

Islington (BOS-1) Hedlund, D. A. (M) Root, W. L. (SM) Saltmarsh, H. J. (A)

Jamaica Plain (BOS-1) Arenberg, D. L. (M) Beaudette, C. G. (M) Cetaruk, W. K. (A) Claflin, B. B. (M)
Kee, R. C. (M)
Matarazzo, T., Jr. (A)
Pengeroth, P. P. (A)
Philips, C. M. (M)
Roat, W. F. (M)

Lakeville (BOS-1) Hancock, J. D. (M)

Hancock, J. D. (M)

Lawrence (B-MV-1)
Ameen, S. J. (M)
Augeri J. J. (M)
Barcroft, R. W. (M)
Blanchette, C. F. (M)
Bowen, M. J. (A)
Boute, J. R. (A)
Callahan, J. F. (M)
Chakmarian, J. A. (A)
D'Auteuil, R. J. (M)
Hanley, J. J. (A)
Kugelman, F. (M)
Meekins, E. (A)
Kugelman, F. (M)
Meekins, M. C. (W)
Mercer, B. H. (A)
Pappas, J. (M)
Perkins, E. H. (SM)
Powers, R. E. (A)
Talbot, R. R. (A)
Zusman, A. G. (M)
Lee (WM-1)

Lee (WM-1) Klos, E. R. (M)

Leicester (BOS-1) Day , L . R . (M)

Lenox (WM-1)
De Tolly, G. E. B. (A)
Hartwell, R. L., Jr. (A)

Leominster (BOS-1) Ross, H. E. (M) Lexington (BOS-1) Ington (BOS-1)
Abel, W. G. (M)
Aldrich, F. W., Jr. (M)
Allen, T. J., Jr. (A)
Arden, D. N. (M)
Axelbank, M. (M) Axelbank, M. (M)
Bandes, H. (SM)
Bandes, H. (SM)
Bean, R. H. (M)
Bean, R. S. (M)
Bean, R. S. (M)
Bean, R. S. (M)
Bean, R. S. (M)
Blate, C. (M)
Blate, C. (M)
Blate, C. (M)
Blate, D. Block, A. V. (M)
Bolinder, E. F. (SM)
Bosinoff, I. (M)
Bougas, A. C. (M)
Bragar, P. (M)
Brossok, W. C. (M)
Brown, C. J. (M)
Brossok, W. C. (M)
Brown, C. J. (M)
Burder, R. S. (SM)
Bures, W. F. (M)
Carson, E. L. (M)
Chad, S. K. (M)
Chute, D. H. (M)
Clark, D. L. (M)
Clark, A. (M)
Clark, D. L. (M)
Clark, D. L. (M)
Cobern, W. S. (M)
Cohen, M. S. (M)
Cohen, S. H. (A)
Coburn, W. K. (SM)
Cohen, S. H. (A)
Dearborn, F. K. (M)
Dagoett, N. L. (M)
Dalympile, G. F. (A)
Dearborn, F. K. (M)
Demuth, R. L. , Jr. (M)
Demuth, R. L. , Jr. (M)
Filliott, W. G. (M)
Farley, B. G. (M)
Farley, B. G. (M)
Farr, C. W. (A)
Freeman, L. D. (M)
Freeman, L. D. (M)
Freeman, L. D. (M)
Freeman, A. L. (A)
Galagher, R. D. (M)
Grayzel, J. F. (M)
Grayzel, J. M. (M)
Grayzel, J. M. (M)
Grayzel, A. L. (M)
Grayzel, A. L. (M)
Gurley, B. M. (M)
Grayzel, A. L. (M)
Gurley, B. M. (M)
Grayzel, A. L. (M)
Gurley, B. M. (M)
Hadley, F. P. (M)
Hall, W. M. (SM) Halpem, J. (M)
Harcher, A. J. (M)
Harcher, A. J. (M)
Haroles, G. G. (M)
Harrington, J. V. (SM)
Harrington, J. V. (SM)
Harrington, J. N. (M)
Hauser, W. H. (M)
Hawkhome, E. I. (SM)
Hawkhome, E. I. (M)
Horowitz, S. (M)
Human, D. A. (M)
Hufman, D. A. (M)
Hufman, D. A. (M)
Hufman, D. A. (M)
Hufman, D. A. (M)
Hufwen, D. P. (M)
Hyde, G. M. (M)
Jerkinson, J. V. (A)
Jervis, E. W., Jr. (SM)
Jerkinson, J. V. (A)
Jervis, E. W., Jr. (SM)
Johnson, R. E. (M)
Keeping, K. J. (M)
Keeping, K. J. (M)
Keeping, K. J. (M)
Keeping, K. J. (M)
Kendall, R. (SM)
Key, E. L. (M)
Kinnard, K. F. (M)
Kinnard, K. F. (M)
Kinnard, K. F. (M)
Kinnard, K. F. (M)
Kinnard, M. (M)
Kostriza, J. A. (M)
Kohler, H. M. (M)
Koffman, H. J. (M)
Kohler, H. M. (M)
Kostriza, J. A. (M)
Kuhn, B. G. (M)
Kuhn, B. G. (M)
Kuhn, B. G. (M)
Labonte, R. C. (M)
Lame, J. F., Jr. (M)
Lewis, R. W. (M)
Lisisos, S. (M)
Lewis, R. W. (M)
Lisisos, S. (M)
Lewis, R. W. (M)
MacDonald, D. A. (M)
Marshall, R. C. (M)
Marshall, R. C. (M)
Maryer, R. P. (M)
Mitchell, J. L. (M)
Morelli, J. L. (M)
Morelli, J. L. (M)
Morelli, J. L. (M)
Painn, R. H. (M)
Nordhal, J. G. (M)
Painn, R. H. (M)
Nordhal, J. G. (M)
Parker, A. L. (SM)
Pescott, R. S. (M)
Pescott, R. S. (M)
Plilingron, F. A. (M)
Plilingron, F. M. (M)
Pescott, R. K. (M)
Pescott, R. K. (M)
Plilingron, F. M. (M)
Plilingron, F. M. (M)
Plilingron, F. M. (M)
Pescott, R. K. (M)
Plilingron, F. M. (M)
Pescott, R. W. (M)
Pocket, J. F. (M)
Pocket, J. F. (M)
Pocket, J. F. (M)
Pocket, R. W. (M)
Pocket, R. W. (M)
Pock

Tobin, F. H., Jr. (M)
Towle, D. M. (M)
Uskavitch, C. W. (M)
Vanderburgh, A., Jr. (M)
Watter, C. M. (M)
Watter, C. M. (M)
Watter, A. L. (A)
Webster, A. L. (A)
Webss, M. R., Jr. (M)
Weiss, W. R., Jr. (M)
Weiss, W. R., Jr. (M)
Wells, W. 1. (M)
Whitney, D. B. (M)
Williams, S. B. (SM)
Wilson, P. B., Jr. (A)
Wolf, E. W. (SM)
Wong, G. W. (M)
Yakutis, A. J. (A)
Yewell, P. G. (SM)
Zieman, H. E. (M)
Zraket, C. A. (SM)
Zucker, F. J. (M)

Lincoln (BOS-1)
Atchley, D. W., Jr. (M)
Caswell, J. R. (A)
Edmonds, D. S., Jr. (M)
Fraser, R. M. (SM)
Fullerton, A. L., Jr. (SM)
Long, L. B. (M)
Scott, H. H. (F)
Wang, A. (SM)

Wang, A. (SM)

Littleton (BOS-1)
Chu, L. J. (F)
Gallapher, P. N. (M)
Girouard, M. R. (M)
Hollis, C. C. (M)
Melroy, T. R. (M)
Melroy, T. R. (M)
Neman, F. G. (M)
Nixon, N. E. (A)
Paquette, N. A. (M)
Root, H. G. (M)
Taylor, H. P. (M)
Williams, D. G. (M)

Longmeadow (WM-1)
Bassett, E. D. (M)
Cohen, M. (M)
Dorshimer, R. C. (M)
Gostyn, E. (M)
Lutz, L. E. (M)
Wellman, P. H., Jr. (M)

Lowell (B-MV-1) well (B-MV-1)
Aslanian, A. (M)
Depolito, M. J. (A)
Dukakis, S. G. (M)
Hlavacek, A. R. (M)
Karas, N. V. (M)
Kirwin, G. J. (M)
Laskin, R. S. (M)
McParland, F. H. (A)
Michaels, A. G. (M)
Mingins, C. R. (SM)
Tyros, G. (A)
Zygadlo, F. (M)

nn (BOS-1)
Ajootian, G. (A)
Andrews, H. J. (A)
Auger, E. P. (M)
Barnes, D. J. (M)
Cole, L. L., Jr. (A)
Dermow, R. I. (M)
Deradourian, C. (A)
Eklund, A. M. (M)
Fierston, S. A. (M)
Haggis, J. C. (A)
Murphy, M. F. (M)
Whittaker, H. F., Jr. (M) Lynn (BOS-1)

Lynnfield (BOS-1) nfield (BOS-1)
Cronburg, C. I., Jr. (M)
Jones, R. E. (SM)
Kremheller, W. G. (M)
Lapham, E. G. (SM)
Leavy, P. M., Jr. (M)
Quayle, G. (M)
Zimmermann, H. J. (SM)

Lynnfield Center (BOS-1) Benkus, P. D. (M)
Benkus, P. D. (M)
Brown, O. C., Jr. (M)
Clapp, C. W. (M)
Nettleton, E. L. (M)
Perkins, K. C. (M)
Trenholme, W. M. (SM)

Magnolla (B-MV-1) Swanson, G. W. (A)

Malden (BOS-1) Iden (BOS-1)
Amis, C. W. (M)
Buckley, J. P. (M)
Cook, C. G. (M)
Cutler, C. 1. (M)
Fast, S. (SM)
Fennessy, P. Q. (M)
Fennessy, P. Q. (M)
Fenness, B. S. (M)
Guman, B. S. (M)
Guman, B. S. (M)
Karteyn, P. (A)
Kapteyn, P. (A)
Kinzinger, W. C. (M)
Lineli, A. E. (A)
Lydlard, C. E. (A) Lydiard, C. E. (A)

Micale, V. A. (A)
Norlund, B. (M)
O'Brien, A. E., Jr. (M)
O'Brien, A. E., Jr. (M)
Oxman, M. H. (M)
Rutledge, P. D. (A)
Schwarzlander, H. (M)
Shear, L. (M)
Shear, E. (M)
Sloan, E. L., Jr. (M)
Strone, J. H. (M)
Strone, J. H. (M)
Trepper, M. (A)
Thompson, R. H. (M)
Tortorella, A. (A)
Williams, E. E. (M)
Igelbaum, J. G. (A)

Manchester (B-MV-1) nchester (B-MV-1)
Cuikay, R. S. (M)
Falconer, S. (A)
Martin, J. E. (M)
Taft, E. A., Jr. (A)
Wolfe, R. W. (M)

Manomet (BOS-1) Martin, R N. (M)

Mansfield (BOS-1) Sabin, E.A. (M)

Marblehead (BOS-1) blehead (BOS-1)
Bach, R. E., Jr. (M)
Chun, H. H. (M)
Coplthome, A. R. (A)
Grant, E. F. (SM)
Ha'lett, J. L., Jr. (M)
Isavey, N. L. (F)
Irwin, T. D., Jr. (M)
Kilham, R. E. (SM)
Mills, E. D. (M)
Roberts, F. B. (SM)
Stromeyer, C. F. (M)

Marion (BOS-1) Ayer, W H. (M)
Francis, S. A. (M)
Smiley, E. L. (M)
Warriner, R. R. (SM)

Marlboro (BOS-1) riboro (BOS-1)
Boyle, D. A. (M)
Clark, F. E. (M)
Fay, F. H. (M)
Macdonald, C. A. (N)
Osbome, W. B. (M)
Smith, R. V. (M)

Mattapan (BOS-1) Arabian, J. H. (M) Breen, M. R. (M) Fertig, K. (M) Fertig, K. (M)
Hannon, J. J. (A)
Millen, S. G. (A)
Siegal, E. F. (M)
Wilkie, L. E. (A)

Mattapoisett (BOS-1) Collins, J. L. (SM)

Collins, J. L. (SM)

Maynard (BOS-1)
Adair, R. P., Jr. (M)
Best, R. L. (M)
Billups, R. R. (M)
Campbell, B. D. (M)
Chapell, H. F. (M)
De Turrls, J. M. (M)
Devet, E. G., Jr. (M)
Freier, L. J. (M)
Ginsburg, G. S. (M)
Hettlich, R. E. (M)
Lund, R. T. (A)
O'Hare, W. S. (M)
Olsen, K. H. (A)
Pomper, V. H. (SM)
Priest, W. G. (M)
Seay, W. B. (M)
Walsh, J. J. (M) Walsh, J. J. (M)

Medfield (BOS-1) Held (BUS-1)
De Clue, J. L. (M)
Hurd, P. A. (M)
Jacobs, C. E., Jr. (M)
Jewell, R. L., Jr. (M)
Marcille, R. E. (SM)
Meader, P. W. (M)
Peardon, A. P. (M)
Walker, C. F. (M) Walker, C. E. (M)

Walker, C. E. (M)

Medford (BOS-1)

Anderson, A. F. (A)
Belinski, A. M. (A)
Boudreau, J. M. C. (M)
Brady, J. T. (M)
Connolly, G. E. (M)
DI SIIVa, C. F. (A)
Fiffeld, D. (M)
Fiorello, E. A. (M)
Hapoplan, N. D. (M)
Hobbs, C. F. (SM)
Howell, A. H. (SM)
Kosowsky, D. I. (M)
Lofaren, F. W. (M)
Lyon, R. E. (M)
Menzies, R. W. (A)
Morlarty, R. A. (A)
Pennelli, A. P. (M)
Pote, W. J. (M)
Pote, W. J. (M)

Rago, K. A. (M)
Rollins, J. A. (M)
Rosen, G. (M)
Schell, A.C. (M)
Stevens, W. J. (SM)
Thaxter, J. H., Jr. (M)
Twombly, B. B. (M)

..., J. (SM)
.naxter, J. H., Jr. (N
Twombly, B. B. (M)

Melrose (BOS-1)
Bero, R. (M)
Blork, A. P. (M)
Christenson, E.C. (A)
Girlunas, J. J. (M)
Gradijan, J. R. (M)
Gradijan, J. R. (M)
Greene, R. D. (M)
Harrington, E. W. (M)
Harsett, F. C. (M)
Jenkins, R. J. (A)
Klane, C. H. (M)
Kotowski, J. P. (M)
Kotowski, J. P. (M)
McCoubrey, A. O. (SM)
McGeoch, C. R., Jr. (M)
Medeer, R. B. (M)
Morgenstern, J. C. (A)
Mrose, J. E. (M)
Nicoll. P Meader, R. B. (M)
Morgenstern, J. C. (A)
Mrose, J. E. (M)
Nicoll, P. A. (M)
Orenhern, A. (M)
Royers, W. S. (A)
Rowell, W. G. (M)
Snell, C. T. (M)
Wong, W. G. (M)
Young, W. G. (M)

Metrose Highlands (BOS-1) Braden, R. S. (A)

Methuen (B-MV-1) huen (B-MV-1)
Baron, R. N. (M)
Buck, R. E. (M)
Chontolan, P. (SM)
Dinsmore, C. H. (M)
Glodfelter, W. K. (M)
Hicks, W. J. (M)
Kennedy, W. F. (M)
Malilson, R. E. (M)
Ryan, J. W., Jr. (A)
Simoes, C. R. (A)
Woodburn, E. S., Jr., E. S., Woodburn, E. S., Jr. (M)

Middleton (B-MV-1) Hayden, P. C. (A)

Milford (BOS-1) Kurlansky, S. (A)

Millis (BOS-1)
Allen, R. S. (M)
Bannister, L. H. (M)
Biaglotti, R. J. (A)
Sanders, E. W. (SM)

ton (BOS-1)
Arnold, C. E. (M)
Bloom, M. I. (M)
Bloom, M. I. (M)
Bradshaw, D. B. (M)
Day, W. J. (M)
Emery, R. A. (M)
Garber, A. M. (M)
Gerber, A. (M)
Haus, H. A. (SM)
Jeffrles, D. (SM)
Malmberg, R. A. (A)
Metcalfe, I. J. (M)
Mullen, J. A. (SM)
O'Connell, J. J. J. Jr. (M)
Pell, R. B. (A)
Scheffler, E. C. (M)
Shnitzler, R. K. (M)
Smith, W. A., Jr. (SM)
Sternick, S. H. (M)
Wernick, D. H. (A) Milton (BOS-1)

Minot (BOS-1) Mongeau, R. A. (M)

Nabnasset (BOS-1) Russell, E. D. (M)

Nantucket (BOS-1) Brown, H. W. (VA)

Brown, H. W. (VA)

Natick (BOS-1)
Balekdjian, K. (M)
Batcheller, A. (SM)
Bernett, R. K. (M)
Benott, G. F. (M)
Bittel, M. M. (SM)
Blaisdell, A. A. (M)
Bram, J. M. (M)
Brosnahan, R. E., Jr. (M)
Carson, C. H. (A)
Charming, W., Jr. (A)
Child, J. W. (M)
Devane, M. E. (A)
Dixon, R. A. (M)
Oriscoll, J. F. (M)
Fenzel, F. A. (M)
Geier, L. W. (SM)
Greim, R. E. (A)
Harden, C. M. (M)
Hilliard, I. W. (SM)
Hunt, D. G. (M)
Imus, H. O., Jr. (M)
James, F. F. (M) Imus, H. O., Jr. (M) James, F. E. (M) Kamens, B. R. (SM) Kane, G. (M)

Kessel, B. (M)

Kopelman, J. (A)
Korenberg, S. (SM)
Korn, S. J. (M)
Levin, M. H. (A)
Lockhart, H. H. (M)
Long, R. G. (M)
Luftman, A. S. (M)
McCullough, J. H. (A)
Meyer, M. A. (M)
Miller, H. A. (SM)
Nord, R. F. (M)
Nyer, J. H. (M)
O'Keefe, B. J. (SM)
Platt, H. J. (SM)
Potter, A. D. (M)
Pughe, E. W., Jr. (M)
Rosenthal, M. L. (A)
Rubin, R. (M)
Savell, R. E. (M)
Schontzler, J. G. (M)
Symons, F. E. (M)
Thesing, R. H. (A)
Topol, S. (A)
Towle, W. C. (M)
Washington, L., Jr. (M)
Walss, B. J. (M) Towle, W. C. (M)
Washinoton, L., Jr. (M)
Welss, B. J. (M)
Welss, B. J. (M)
Welss, H. R. (M)
Whiteraft, W. A., Jr. (SM)
White, D. J. (M)
White, M. M. (M)
Yelsey, A. (A)
Zens, R. G. (M)
ZImmer, J. T. (M)

Needham (BDS-1)
Adams, H. E. (A)
Alden, J. M. (A)
Alessi, P. A. (M)
Baldwin, P. K. (SM)
Bello, P. A. (A)
Bullard, A. H., Jr. (M)
Cross, H. H. (SM)
De Miglio, F. J. (M)
Dench, E. C. (SM)
Dinowitz, E. E. (M)
Dinowitz, E. E. (M)
Dinowitz, E. E. (M)
Diffy, M. P. (SM)
Eckhardt, D. L. (SM)
Eckhardt, D. L. (SM)
Feurstein, E. (M)
Goldberg, O. D. (SM)
Grablec, J. J. (M)
Handly, E. J. (M)
Keane, L. M. (M)
Ross, C. H. (M)
Steeper, G. B. , Jr. (M)
Steeper, G. B. , Jr. (M)
Steeper, G. B. , Jr. (M)
Steep, J. F. (M)
Steep, J. F. (M)
Steep, J. R. (F)
Tiffany, G. B. (M)
Turmer, J. L. (M)
Whilppile, R. L. (M)
Wolfe, J. A. (M)
Wyle, A. A. (M) Wyke, A. A. (M)

Wyke, A. A. (M)

Needham Helpits (BOS-1)

Barber, W. D. (M)

Bowen, R. A. (A)

Brodhead, W. M. (M)

Colbourne, R. H. (SM)

Cowperthwalt, F. N., Jr. (A)

Crowley, D. J., Jr. (M)

Dean, F. R. (M)

Dolan, F. J. (A)

Fuller, H. W. (M)

Harris, H. C., Jr. (M)

Lazuk, A. V. (SM)

MacNell, G. E. (A)

Martel, C. W. (SM)

Nolan, W. (A)

Pucel, R. A. (M)

Rubinfien, D. (M)

Selfert, R. E. (M)

Smith, H. A. (A)

Spencer, G. R. (M)

Syencer, G. R. (M)

Vorks, A. R. (M)

Vorks, A. R. (M)

Vorks, A. R. (M)

Varbrough, S. L. (SM) Yarbrough, S. L. (SM)

New Bedford (BOS-1)
Balley, W. M. (SM)
Collins, E. D. (A)
Da Cruz, A. M. (M)
Grad, P. P. (A)

Klemm, G. H. (A) Milner, J. J. (A) Picard, H. E. (M) Pickett, J. H. (M) SIlva, C. C., Jr. (M)

Newbury (B-MV-1) Christiansen, D. (M) Wright, M, E. III (M)

Newburyport (B-MV-1) Adams, J. R., Jr. (M) Bryn, S. L. (A) Hodge, T. P. (M) Lynch, R. E. (M)

Newton (BOS-1)

wron (DUS-1)
Aarons, J. (M)
Amold, W. F. (M)
Austin, C. S. (M)
Balmush, N. (M)
Beedle, R. H. (A)
Biltzer, S. D. (SM)
Brown, H. B. (A)
Carey, W. M., Jr. (M)
Cerler, M. M. (M)
Collidge, C. A., Jr. (M)
Dean, W. B. (A)
Diblaee, A. F. (M)
Eachus, J. J. (SM)
Gazlano, J. S. (M)
Galahny, Y. (A)
Grossman, M. C. (M)
Hagnado, J. (M)
Hagnado, J. (M)
Hagnado, I. (M)
Lourle, N. M. (M)
Lourle, N. M. (M)
McOrmack, R. L. (SM)
Medoff, J. L. (A)
Nugent, W. R. (M)
Pialsance, S. F. (M)
Rajasekhar, P. S. (M)
Rockwood, A. C. (F)
Rubin, M. D. (M)
Statsman, P. W. (M)
Urbanetti, J. J. (A)
Welti, G. R. (M)
Wilson, R. D. (SM)

Wright, R. E. (M)

Newton Center (BOS-1)
Burke, A. W. (M)
Cuditz, S. (M)
Harrison, R. J. (SM)
Hill, D. C. (M)
Jacobs, B. S. (M)
Kannair, C. J., Jr. (A)
Kellner, R. L. (M)
Krim, N. B. (M)
Linsky, A. B. (M)
Lipolneott, S. (M)
MacGregor, N. (A)
Mandell, A. (SM)
McLean, A. S. (A)
Mintzer, L. (M)
Moakler, E. J. (M)
Moakler, E. J. (M)
Robinson, S. (A)
Robinstein, J. (SM)
Saret, J. (M)
Schlueter, P. J. (M)
Segal, S. (M)
Saret, J. (M)
Stein, S. (SM)
Tafapolsky, B. (M)
Wilgham, T. J. (M)
Woofson, J. A. (M)
Woo, W. D. (SM)
Zottu, P. D. (F)

Newton Comer (BOS-1) KotsaftIs, C. J. (A)

Aton Highlands (BOS-1)
Boehme, R. M. (M)
Dorfman, J. (M)
Fallows, R. S. (M)
Fallows, R. S. (M)
Friree, F. L. (M)
Gorman, R. K. (M)
Holst, W. F. (M)
Muckenhout, F. (M)
Muckenhout, F. (M)
Muckenhout, F. W. (M)
Osman, M. S. (M)
Patton, J. E. (M)
Sawyer, P. B. (M)
Sawyer, P. B. (M)
Singer, T. (M)
Strohmeler, W. (M)
Thomas, J. (M)
Ward, W. W. (M)
Wise, N. (M)
Ward, W. W. (M)
Wise, N. (M)
Wise, N. (M) Newton Highlands (BOS-1)

Newton Lower Falls (BOS-1) Mork, R. P. (M)

Newton Upper Falls (BOS-1) Ookken, G. O. (M)

Smith, L. C. (SM)

Smith, L. C. (SM)

Newtonville (BOS-1)

Adams, R. E. (M)

Altman, N. G. (M)

Amum, M. (M)

Berkeley, E. C. (M)

Blanton, H. E. (SM)

Freeman, H. (SM)

Goldberg, W. L. (A)

Gravel, C. L. (M)

Gronosky, C. F. (M)

Lukianov, R. E. (A)

Madeson, A. H. (A)

Oszy, A. J. (M)

Phillips, R. E. (M)

Roossin, N. (M)

Smith, D. C. (M)

Woodward, C. A. (A)

Wright, B. D. (M)

North Abington (BOS-1) Stucke, E. A. (A)

North Adams (WM-1) Allison, W. M. (SM) Brafman, H. E. (M) Cushman, N. (SM) Brafman, H. E. (M)
Cushman, N. (SM)
Devey, G. B. (M)
Dorst, S. (M)
Fabricius, J. H. (M)
Hony, A. L. (M)
Hooks, A. K. (M)
Johansson, E. W. (M)
Lamoureaux, R. A., Jr. (A)
Lazier, W. A. (A)
Lehovec, K. (F)
Mead, E. S. (A)
Mulford, J. E. (M)
Novacek, W. G. (M)
Peterson, R. C. (A)
Provencher, W. C. (A)
Provencher, W. C. (A)
Provencher, W. C. (A)
Tiezzi, A. A. (SM)
Tiezzi, A. A. (SM)
Tiezzi, A. A. (SM)
Tierzi, A. A. (SM)
Tyler, R. H. (A)
Zuleeg, R. (M)

Northampton (WM-1) Combie, A. A. (A) King, A. D. (M)

Comble, A. A. (A)
King, A. D. (M)
North Andover (B-MV-1)
Anderson, R. E. (M)
Backard, E. M. (A)
Banton, W. E. (SM)
Coleman, S. B. (SM)
Coleman, S. B. (SM)
Custer, C. J. (M)
Edwards, P. G. (SM)
Friis, R. W. (SM)
Graham, R. S. (SM)
Griffiths, H. D. (M)
Hallenbeck, F. J. (SM)
Kerwien, A. E. (SM)
King, F. H. (M)
Mischler, W. D. (M)
Monell, F. B. (SM)
Owens, C. D. (SM)
Penick, D. B. (SM)
Pomeroy, A. F. (SM)
Sapaser, D. D. (M)
Sandsmark, P. I. (M)
Sinth, R. S. (M)
Somers, L. (M)
Somers, L. (M)
Stansel, F. R. (SM)
Vykes, R. A. (F)
Taylor, E. R. (M)
Thulin, C. W. (SM)
Wells, H. G., Jr. (M)
Williams, O. L. (M)
Yaeger, R. E. (M)
Yeutter, C. S. (M)

North Attleboro (BOS-1) Scanion, W. C. (M)

North Beverly (BOS-1) Briggs , R . S . (M)

North Billerica (BOS-1) Crist, A. H. (M) Sloan, G. H. (M) Videberg, J. 1. (SM)

Northboro (BOS-1) O'Brien , H. F. (A) Wiedenbauer , G. J. (M)

North Chelmsford (B-MV-1) Benjamin, C. R. (M)

North Dartmouth (BOS-1)
Burbank, R. W., Jr. (A)
Kahn, L. (SM)
Luse, J. D. (M)
Simmons, F. A. (M)

North Easton (BOS-1) th Easton (BOS-1)
Allen, L. W. (M)
Ames, D. (M)
Anderson, A. L. (M)
Goveia, J. F. (A)
Dudley, T. C. (M)

North Egremont (WM-1) Allison, R. F. (M)

Christman, L. H. (A)

North Hanover (BOS-1) Howes, B. S. (M)

North Natick (BOS-1) Getter, C. M. (M) Randolph, R. V. (M)

North Randolph (BOS-1) Flaherty, F. E., Jr. (M)

North Reading (BOS-1) un reading (BUS-1) Donnelly, F. E., Jr. (M) Härkless, L. B. (M) Millen, J. (VA) Rex, F. J., Jr. (M) Ross, T. C. (A) Rubin, S. (A)

North Scituate (BOS-1) Creaser, C. W., Jr. (M) Kennedy, D. S. (M)

North Westport (BOS-1) Cardozo, D. J. (A)

North Weymouth (BOS-1) Copeland, R. C. (M)

Morth Wilminoton (B-MV-1) Duffy, J. F. (M) Gunning, F. A. (A) Halloran, T. W. (M) Zaino, A. L. (A)

North Wobum (BOS-1) Goldberg, W. P. (M)

Norton (BOS-1) Winsor, D. M. (A)

Norwell (BOS-1) well (BOS-1)
Cann, J. D. (A)
Harris, C. C. (SM)
Hills, W. L. (M)
Maglathlin, R. N. (SM)

Norwood (BOS-1)
Amstein, P. B. (M)
Bazzy, W. (M)
Benson, R. A. (M)
Bums, H. S. (M)
Cronan, P. H. (M)
Fitzgerald, T. J., Jr.
Filaherty, J. J. (M)
Glynn, J. J. (M)
Gronroos, E. (A)
Hennessey, C. W. (A)
Johnson, H. A. (M)
Kleps, E. W. (A)
Larsen, R. L. (M)
Martinson, R. M. (M)
McDonough, J. C. (M)
Martinson, R. M. (M)
Nace, H. C. (M)
Stone, J. C. (M)
Tucker, J. E., Jr. (M)
Vuozzo, A. J. (M)
Vuozzo, A. J. (M)
Widdell, R. B. (A)
Winitzer, A. J. (M)

Otis (WM-1) Santos, P. J. (M)

Dis AFR (WM-1) Cralg, W. H., Jr. (M) Marvin, A. L., Jr. (M)

Oxford (BOS-1) Zieper, H. S. (M)

Palmer (WM-1) Calkins, D. F. (M)

Paxton (BOS-1) Alexander, D. C. (SM) Stannard, G. E. (M)

Peabody (B-MV-1)
Alexander, H. C. (M)
Anderson, V. H. (A)
Cherwek, R. A. (M)
Dodge, R. B. (A)
Giuffrida, J. (M)
Gregory, N. (M)
Maguire, W. M. (SM)
O'Briett, E. J., Jr. (M)
Senges, W. (M)
Shapiro, J. M. (M)
Tavlor, J. C. (M) Taylor, J. C. (M)

Pembroke (BOS-1) Sullivan, D. R. (M)

Pepperell (BOS-1) Wood, R. (SM)

Pinehurst (BOS-1) Murano, L. (M)

Pittsfield (WM-1)

sfield (WM-1)
Ackerson, R. D. (M)
Aruffo, R. (M)
Borgese, A. J. (M)
Boyajian, A. (SM)
Canfield, E. B. (M) Chertok, S. L. (M) Claschini . W . (M)

Canover, W. B. (M)
Comman, O. (M)
Oarrison, J. (M)
Egan, W. E. (M)
Elvan, M. (M)
Flescher, K. M. (M)
Forman, A. H., Jr. (SM)
Hardy, E. R. (A)
Harris, L. B. (M)
Hoeke, F. W. (M)
Hucko, H. (M)
Landers, J. J. (M)
Long, J. H. (M)
Luoma, R. A. (M)
Masbach, M. W. (M)
Musbach, M. W. (M)
Neubert, W. E. (A)
Pack, E. L. (M)
Petkofsky, L. (M)
Petkofsky, L. (M)
Petroolds, W. J. (M)
Samsel, R. W. (M)
Samsel, R. W. (M)
Tanler, E. G. (M)
Tanler, E. G. (M)
Tanler, E. G. (M)
Tichenor, W. B. (M)
Valida, S. J. (M)
Velkers, G. D. (A)
Weatherhead, W. R. (M)

Plainville (BOS-1) Negus , L . E . (M)

Plymouth (BOS~1) Roy, A. G., Jr. (M)

Quincy (BOS-1)
Brown, R. S. K. (A)
Burak, M. (M)
Oella Lucca, L. E. (M)
Oewey, W. P. (A)
Grass, A. M. (M)
Hudson, H. K. (SM)
Kramer, R. (M)
Langeller, G. P. (A)
Loomls, G. L. (SM)
McAuley, J. A. (M)
McAughlin, W. C. (M)
Obreza, W. S. (A)
Scolamiero, O. M. (M)
Tsao, C. K. H. (M)

Randolph (BOS-1)
Heaton, L. B. (A)
Kalser, J. A. (A)
Kalser, J. A. (M)
Mann, A. M. (M)
Pascluto, R. O. (A)
Rice, K. L. (A)
Roeber, F. W. (M)
Trott, J. E. , Jr. (M)
Wolf, S. H. (A)

Reading (BOS-1)
Alter, R. S. (M)
Blotkman, J. B., Jr. (M)
Butcher, S., Jr. (M)
Caywood, R. W. (SM)
Collins, R. M. (M)
Conary, W. R. (A)
Danehy, R. T. (M)
Oratch, J. E. (A)
Ellis, C. E., Jr. (M)
Faslano, E. R. (A)
Gates, E. K. (M)
Grande, G. C. (M)
Guy, H. O. (SM)
Hagan, R. A. (M)
Hingston, A. J. (M)
Lesile, M. B. (M)
Loesch, B. (M)
Morrison, O. A. (M)
Murray, R. B. (M)
Nichols, R. P. (A)
O'Brien, J. A. (SM)
Parsons, R. L. (M)
Robbins, L. W. (A)
Rosenthal, R. E. (A)
Skitzki, P. (M)
Smith, W. R. (M)
Smith, W. R. (M)
Smith, W. R. (M)
Taylor, N. H. (SM)
Van Q. E. M. (M)
Vant, L. M. (SM)
Vant, L. M. (SM)
Vant, L. M. (SM)
Vant, L. M. (SM)
Vato, L. M. (SM)
Revere (BOS-1)

Revere (BOS-1)
Abel, F. (M)
Carrabes, M. J. (M)
Freedman, I. M. (A)
Haas, E. W. (M)
Harwood, E. (A)
Romano, L. P. (A)
Stegel, M. (M)
Storm, M. L. (A)
Tranfaglia, T. E. (A)
Williams, A. H. (M)

Rockland (BOS-1) Conley, F. M. (M) Edlun, W. O. (M) Masison, C. J., Jr. (M) Thayer, W. D. (M) Westhaver, R. O. (M) Rockport (B-MV-1)
Betts, M. O. (M)
Johnson, L. F., Jr. (M)
Wendell, E. N. (F)

Roslindale (BOS-1)
Amante, J. J. (A)
Catalano, A. L. (A)
DI Giorglo, J. A. (M)
Ooyle, F. A. (A)
Falor, O. K. (M)
Goodway, J. T. (M)
Pamagian, H. R. (A)

Rowley (B-MV-1) Jackson, A. R. (M) Potts, T. J., Jr. (SM)

Roxbury (BOS-1)
Ellis, B. E. (M)
Ellsworth, E. A., Jr. (A)
Goldman, H. N. (A)
Magnani, B. J. (A)
Metten, W. H. (M)
Pengeroth, I. E. (M)
Reynolds, J. H., Jr. (A)
Schwartz, F. L. (M)
Tomass, J. (A)
Walker, R. M. (SM)

Rutlands Heights (BOS-1) Clark, G. L. (A)

Salem (B-MV-1)
Bowman, J. W. (A)
Cannon, J. H. (M)
Clark, W. H. , Jr. (M)
Cogglins, O. I. (M)
Jackson, W. E. (M)
Olbrych, J. E. (A)
Rainville, L. P. (A)
Rotstein, J. (M)
Solodluk, A. (M)
Wiederhold, P. R. (A)

Sandwich (BOS-1) Kerr, W. B. (M)

Saugus (BOS-1)
Arkins, E. R. (A)
Balley, A. O. (M)
Bradbury, R. A. (M)
Cummings, W. C. (M)
Cunningham, J. E. (M)
Marle, C. G. (A)
Moulton, W. O. (M)

Saxonville (BOS-1)
Baker, T. E., Jr. (M)
Beling, T. E. (A)
Breslow, O. H. (A)
Brunelly, J. Jr., Jr. (A)
Brunelly, J. Jr., Jr. (A)
Brunton, R. H. III (A)
Carter, L. W. (M)
Crossley, W. P. (M)
Engman, G. E. (M)
Hevesh, A. H. (SM)
Hosmer, B. E. (M)
Kem, O. R. (A)
Levy, M. R. (M)
Mannette, R. T. (M)
Ponte, A. G. (A)
Rocheleau, G. S. (M)
Spergel, P. (M)

Scituate (BOS-1) Lemmon, W. S. (SM) Morton, G. E. (A) Williams, H. G. (SM)

Sharon (BOS-1)
Bartlett, E. R. (M)
Bresnick, H. L. (M)
Carey, J. S. (A)
Clements, W. S. (M)
Cushman, R. W. (A)
Kessinger, H. E. (A)
Laschever, N. L. (SM)
Lawlor, J. A. (M)
Press, M. (SM)
Rochefort, J. S. (M)
Rosenthal, M. H. (A)
Sallen, M. J. (A)
Van Veen, F. T. (M)
Zeull, E. A. (A)

Sherborn (BOS-1) Rockwell, C. F. (M)

Shrewsbury (BOS-1)

Harrington, E. W. (A)
Somerset (BOS-1)
Ironfleid, R., Jr. (M)

Somerville (BOS-1)
Amann, L. H. (A)
Bosco, J. (M)
Bradley, C. L. (M)
Caglluso, G. G. (M)
Clark, R. A. (M)
Fitzoerald, W. D. (M)
Francis, E. A. (A)
Jelalian, A. V. (M)
Matthewson, A. (M)
McNamara, W. E. (A)
Noonan, J. T. (A)
Pantazelos, P. G. (A)
Richter, G. H. (A)

Rubino, C. F. (A)
Simmons, A. J. (A)
Solomon, A. N. (A)
Splgnese, E. E. (M)
Thomas, K. J. (M)
Torras, F. (M)
Vaccaro, P. (M)
Ventura, R. A. (A)
White, R. J. (M)
Zullo, W. J. (M)

South Acton (BOS-1)
Boole, R. A. (A)
Herskovitz, S. B. (M)
Janvnh, W. A., Jr. (SM)
MacMullen, A., Jr. (M)
Moritz, C. (M)
Pfeiffer, H. F. (M)
Powers, R. J. (M)
Ruze, J. (SM)
Young, B. L. (M)

South Berlin (BOS-1) Beauregard, W G. (M)

Southboro (BOS-1) Borghetti, J. C. (A) Dobson, A. M. (A) Speers, O. F. (M)

South Boston (BOS-1) Gibson, C W. (A) Karosas, R. (M) O'Oonnell, M. J. (A) Stevens, E. F. (M) Vitkus, P. L. (M)

South Braintree (BOS-1) Goodwin, R. C. (M) Hirtle, A. C. (M)

Southbridge (BOS-1) Chace, H. E. (A) Frey, H. B., Jr. (M) Johnston, J. E. (A) Tillyer, E. O. (SM) Wells, J. M. (SM)

South Chatham (BOS-1) O'Oay, A. C. (A)

South Oartmouth (BOS-1) Borg, W. N. (M) Oavis, S. L. (SM) Fitzsimmons, T. J. (M) Golenpaul, C. (A) Hoover, H. H., Jr. (A) Underwood, J. S. (A)

South Hamilton (B-MV-1) Hamlin , W. O. (A) Peek , S. C. (SM) Wolfskill , J. R. (SM)

South Hingham (BOS-1) Bird, W. S. (A)

South Lincoln (BOS-1)
Brown, O. R. (M)
Faran, J. J., Jr. (SM)
Globs, N. E. (M)
Gross, T. A. O. (M)
Jorgensen, S. W. (M)
Row, R. V. (A)
Shansky, O. (M)
Stevens, F. R. (M)
Willis, A. H. (M)

South Natick (BOS-1) Horan , W. H. (A) Paska , R. A. (A)

South Sudbury (BOS-1)
Armstrong, O.G. (M)
Blanchard, J. M. (M)
Bobroff, O. L. (M)
Caldwell, R. J. (SM)
Cyben, H. I. (M)
Ouncan, K. W. (M)
Flokett, M. M. (M)
From W. H. (M)
Gronemeler, H. J. (A)
Haworth, L. O. (M)
Houghton, R. W. (M)
Vesdal, T. A. (M)
Kirkland, R. E. (M)
McAleer, H. T. (M)
Ostroff, E. D. (M)
Pritchard, W. L. (SM)
Reach, R. W., Jr. (M)
Warer, G. L. (M)
Warer, G. L. (M)
Warer, G. L. (M)
Warer, R. A. (SM)

Southville (BOS-1) Chenez, R. O. (M)

South Weymouth (BOS-1) Cook, W. M. (M) HI[I, H. F. (VA) Matteson, O. W. (M) McMonagle, O. B. (M) Stefanowicz, S. S. (A)

Southwick (WM-1) Lee, W. K. F. (M)

Springfield (WM-1) Andrews, W. J. (A) Bookman, R. E. (SM) Bushey, R. A. (M) Cameron , J. A. (M)
Cushing , T. F. (VA)
Oldeum , M. A. (A)
Oonner , W. (A)
Fratar , F. J. (M)
Heilenday , F. W. (M)
Houck , S. C. (A)
Huntoon , V. J. (A)
Keams , R. F. (M)
Kitty , F. J. (M)
Laliberte , E. J. (M)
Lyman , J. R. (A)
Mongeon , R. J. (M)
Salame , G. (M)
Salmond , O. A. (A)
Townsend , G. R. (M)
Zinchuk , M. (M)

Stoneham (BOS-1)
Bassett, J. D. (SM)
Boyd, H. R. (SM)
Buyd, H. R. (SM)
Buyke, N. W. (M)
Cayer, R. E. (M)
Oe Agazio, E., Jr. (M)
Herrera, J. C. (M)
Jampochian, E. (SM)
Lucy, R. F. (M)
Perry, B. D. (M)
Puorro, T. A. (M)
Riska, G. G. (M)
Riska, F. A. (M)
Sorbye, K. E. (M)
Sorbye, K. E. (M)
Westbrook, E. P. (M)

Stoughton (BOS-1)
Giuda, H. W. (M)
Lang, K. T. (M)
Litchfield, P. O. (A)
McOonnell, J. Q. (M)
McGarvey, J. P. (A)
Nichols, R. F. (M)
Ostis, J. N. (M)
Ross, B. F., Jr. (M)
Scripture, F. R. (SM)

Stow (BOS-1) Corzine, R. H. (A) Mong, R. C. (M)

Sudbury (BOS-1)
Bell, J. W. (SM)
Bobak, E. T. (A)
Bradley, G. G. (M)
Broks, R. S. (M)
Chase, O. G. (M)
Cotterman, J. W. (M)
Cotterman, J. W. (M)
Cotterman, J. W. (M)
Cotterman, J. W. (M)
Edwards, L. C. (M)
Ellinthore, A. W. (A)
Emerson, W. P. (A)
Falkowitz, M. (M)
Fraim, E. G. (M)
Guethlen, V. J. (M)
Hand, S. E. (SM)
Hathaway, S. W. (SM)
Hathaway, W. E. (A)
Kallsky, A. (A)
Keith, W. W. (M)
Klrshner, O. R. (SM)
Lloyd, J. W. F. (M)
Lloyd, J. W. F. (M)
McKeth, W. W. (M)
McSarratt, E. R. (M)
McZarrase, N. J. (M)
McCarthy, O. J. (M)
Petrishen, J. (A)
Plum, L. W. (M)
Sims, J. C., Jr. (SM)
Sims, J. C., Jr. (SM)
Stromsted, E. A. (M)
Thomas, E. K. (A)
Thomoton, W. M., Jr. (M)
Naron, W. M., Jr. (M)
Wardo, J. J. (M)
Warson, J. C. Jr. (M)
Whelpton, J. P. (A)
Willey, J. C. (M)

Swampscott (BOS-1)
Berman, I. (SM)
Creighton, J. E. (A)
Ludlam, W. A., (M)
Manna, E. E. (M)
Misnick, J. O. (M)
Quint, A. S. (M)
Strongylos, M. L. (A)
Williamson, R. J. (A)

Swansea (BOS-1) Taylor, R. W. (M)

Taunton (BOS-1) Snell, C. R., Jr. (A)

Templeton (BOS-1) Aukstikalnis , T . J . (A)

Tewksbury (B-MV-1) Brent, P. (A) Cohen, A. (M) Goldstein, A. L. (M) Gregg, B. (M) McCarthy, J. O. (A) Montague, L. L. (M) Wholey, L. T. (A)

Topsfield (B-MV-1)
Gage, C, H., Jr. (M)
Goddard, C, T. (SM)
Harrington, E. C. (M)
Jansen, J. J. (M)
McKennery, G. M., Jr. (M)
Norton, G. A. (M)
Roche, T. F. (A)
Wilder, J. E. (M)
Wimpy, E. K. (SM)

Townsend (BOS-1) Jackman, C. A. (M) Morey, P. E. F. (M)

Turo (BOS-1) Wagner, P. E. (A)

Tyngsboro (B-MV-1)
Du Bois, W.E.(M)
Spindell, F.A.(SM)

Uxbridge (BOS-1) Tancrell, R. H. (M)

Mahan (BOS-1)
Antman, M. A. (SM)
Apelbaum, J. H. (A)
Berg, A. L. (A)
Berg, A. L. (A)
Berger, A. S. (M)
Ellis, R. H. (M)
Friedman, B. L. (M)
Hunter, W. H. (M)
McOade, H. J. (A)
Mofenson, J. J. (SM)
Parisi, F. E. (M)
Spencer, P. L. (F)
Ward, A. E. (SM)

Wakefield (BOS-1)
Baker, W. F. (M)
Bianco, J. F. (SM)
Bumett, E. F. (A)
Cicciarella, C. (M)
Clark, N. F. (A)
Gagnon, R. L. (M)
Gallagher, P. (A)
Gardella, C. E. (M)
Heft, E. J. (M)
Howe, S. E. (A)
Jones, R. C., Jr. (L)
Lynch, E. E. (SM)
Navon, O. H. (M)
Peet, A. R. (A)
Reid, E. (M)
Rich, E. S. (SM)
Savage, J. E. (M)
Slusher, W. E. (M)
Stein, H. F. (M)
Stein, H. (SM)
Stein, H. (SM)

Walpole (BOS-1)
Oavis, W.F. (A)
Esthimer, W.F. (M)
Fisher, R.E. (M)
Lord, J.S. (A)
Vagge, A.A. (M)

Waltham (BOS-1)
Alexander, R. (SM)
Allen, J. L. (M)
Altschuler, S. (M)
Aron, N. (SM)
Aron, N. (SM)
Arslan, H. (M)
Batlett, R. P. (M)
Both, W. A. (M)
Brady, J. P. , Jr. (SM)
Brady, J. P. , Jr. (SM)
Brady, J. P. , Jr. (SM)
Brady, G. H. (A)
Brown, O. F. (M)
Brunton, D. A. (A)
Brunton, D. A. (M)
Charles, R. E. (SM)
Chemosky, E. J. (M)
Childs, H. W. (M)
Childs, H. W. (M)
Coberstein, M. (M)
Corosby, R. E. (M)
Crosby, R. E. (M)
Crosby, R. E. (M)
Devereux, J. G. (A)
Ol Lorenzo, B. A. (M)
Devereux, J. G. (A)
Ol Lorenzo, B. A. (M)
Oundar, F. M. (SM)
Oundar, F. M. (SM)
Oundar, M. (SM)
Oundar, M. (SM)
Englund, E. T. (A)
Faulkner, W. H. , Jr. (SM)
Filipov, A. M. (M)
Findeis, W. J. (M)
Froderhase, R. S. (M)
Foster, R. P. (A)

Funke, R. W. (M)
Gaither, T. B. (M)
Gaither, T. B. (M)
Gerrig, E. (A)
Gibson, S. K. (M)
Gostenhofer, G. (M)
Greene, A. H. (M)
Greene, A. H. (M)
Greson, J. G. (SM)
Gross, H. G. (SM)
Gross, H. G. (SM)
Guiney, R. J. (A)
Hafer, T. W. (M)
Hall, H. S. (SM)
Hamant, D. (M)
Hosby, J. L. (A)
Hobby, J. L. (A)
Hobby, J. L. (A)
Hobby, J. L. (A)
Hobby, J. L. (A)
Hosteman, G. W. (M)
Huntley, W. F. (M)
Jackson, S. R. (M)
Jones, R. V., Jr. (M)
Jones, G. M. Jr. (M)
Jones, G. M. Jr. (M)
Keilson, J. (SM)
Keilson, J. (SM)
Keilson, J. (SM)
Keilson, J. (SM)
Landow, J. S. (M)
Kreindel, B. (A)
Landow, J. S. (M)
Landow, J. S. (M)
Lewis, P. M. (II (M)
Landow, J. S. (M)
Lewerton, W. F. (SM)
Lewer, H. G. (M)
Lewerton, W. F. (SM)
Lewer, R. F. (M)
Morgerthaler, F. R. (M)
Peternan, J. H. (A)
Primas, L. V. (M)
Price, R. R. A. (A)
Primas, L. V. (M)
Price, R. R. A. (A)
Primas, L. V. (M)
Price, R. R. A. (A)
Primas, L. V. (M)
Santandel, J. E. (M)
Santandel, J. E. (M)
Santandel, J. E. (M)
Solitisan, V. (M)
Santander, R. J. (M)
Schim, J. F. (M)
Solitisan, V. (M)
Schim, J. F. (M)
Solitisan, V. (M)
Vaca, R. H. (SM)
Weldson, R. R. (SM)
Weldson, R. R. (SM)
Weldson, R. R. (SM)
Wellson, R. R. (SM)
We

Watertown (BOS-1) ertown (BOS-1)
Altman, J. L. (A)
Aronow, S. (M)
Avakian, A. (SM)
Bagnall, J. J., r. (SM)
Beloungie, L. W. (A)
Bowness, C. (M)
Brooks, P. R., Jr. (M) Burke, J. J. (M)
Russell, N. H. (M)
Russell, N. H. (M)
Russell, R. G. (A)
Capekel, S. J. (M)
Chardenly, J. C. (M)
Chardenly, J. C. (M)
Clements, D. F. (M)
Coby, G. Y. J. (A)
Cosentino, A. Y. (M)
Czerwonka, H. V. (A)
Deshon, H. C. (M)
Eostein, D. J. (M)
Field, R. F. (F)
Glallongo, S. J. (A)
Ginns, H. (M)
Goldstein, B. S. (M)
Griffin, W. J. (M)
Hampson, E. R. (M)
Hampson, E. R. (M)
Hardis, M. R. (M)
Hobbs, J. D. (SM)
Hobbs, J. D. (SM)
Hodo, L. F. (M)
Kabarian, K. D. (A)
Lambert, T. A. (M)
Lazarkis, P. J. (M)
Lechner, R. J. (A)
Lenliard, L. J. (M)
Lechner, R. J. (A)
Lenliard, L. J. (M)
Petralitis, J. A. (A)
Petralitis, J. A. (A)
Petralitis, J. A. (M)
Petralitis, J. A. (M)
Petralitis, J. A. (M)
Petralitis, J. A. (M)
Reichard, R. W. (M)
Riceman, E. A. (M)
Robinson, M. P. (M)
Robinson, R. R. (M)
Robin Woolf, J. (A)

Waverley (BO S-1) Mekota , J. E. , Jr. (M)

Wayland (BOS-1) Allen, D. C. (A)
Alstad, N. J. (M)
Anderson, F. J. (SM)
Barker, H. J. (M)
Borts, R. B. (SM)
Conard, R. W. (A)
Davis, L., Jr. (SM)
De Bruyn, P. R. (M)
Dutton, R. H. (A)
Fahringer, G. S. (A)
Ferrante, D. (M)
Fye, D. L. (M)
Gardner, H. A. (SM)
Gillespie, C. N. (M)
Hodgkinson, W. S. (M)
Hough, H. O. (M)
Humphrey, G. S. (A)
Jerks, F. A. (SM)
Jordon, C. E. (M)
Letaw, H., Jr. (SM)
Mac Kenzie, A. K. (A)
Mathis, G. (M)
Mathis, G. (M)
Mathis, G. (M)
Mathis, G. (M)
Michaelis, H. P. (M)
Mincucci, R. P. (M)
Naugler, A. W. (M)
Phillips, T. L. (M)
Phillips, T. L. (M)
Prenderpast, W. (M)
Portecrovo, P. J. (SM)
Portecrovo, P. J. (SM)
Robertson, C. (M)
Robertson, C. L. (M)
Serotta, N. (M)
Sharpe, W. P. Jr. (M)
Smith, H. L. (M)
Smith, H. L. (M)
Smith, H. L. (M)
Sievata, R. (M)
Trotter, G. C. (M)
Trotter, G. C. (M)
Trotter, G. C. (M)
Unger, R. M. (SM)
White, A. D. (M)
Whitson, M. S. (M)
Zeichner, M. S. (M)

Webster (BOS-1) Jolda, J. M. (M)

Lanman, T. W. (A) Sczepanski, J. R. (M)

Wellesley Hilfs (BOS-1) lestey HIIIs (BOS-1)
Anderson, C. W. (M)
Banks, D. S. (M)
Blasdel, F. G., Jr. (M)
Chaffee, R. E. (SM)
Cron, A. C. (M)
Eager, M. (SM) Cron, A. C. (M)
Eager, M. (SM)
Galagan, S. (SM)
Goldsborough, R. R., Jr. (SM
Gold, L. (SM)
Hatton, W. L. (M)
Helck, B. K. (M)
Hiller, E. R. (M)
Hiller, E. R. (M)
Hiller, E. S. (VA)
Kriz, J. (A)
Murphy, W. M., Jr. (M)
Murphy, W. M., Jr. (M)
O'Donnell, T. F. (SM)
Peyser, P. (A)
Plerce, G. B. (A)
Porter, H. J. (M)
Ricardi, L. J. (M)
Ricardi, L. J. (M)
Rochester, N. (F)
Rodimon, C. C. (M)
Seeley, P. E. (A)
Uirlch, V. K. (SM)
Voutselas, T. (A)
Walsh, J. E. (M)

Wenham (BOS-1) Gysan, R. L. (A) Schafer, E. W. (SM)

Schafer, E. W. (SM)

West Acton (BOS-1)
Armstrong, G. R. (M)
Attridge, C. C. (M)
Bowe, J. J. (M)
Broadwell, H. S. (M)
Bunting, J. H. (A)
Campbell, R. T. (M)
Enemark, R. B. (M)
Fischer, R. F. (M)
Fordon, W. A. (M)
Guba, R. F. (M)
Hodgdon, H. W. (M)
Ivanov, A. (M)
Janes, C. W. (SM)
Lawton, D. C. (M)
Newcombe, D. A. (M)
Oliver, D. S. (M)
Panetta, A. R. (M)
Perry, J. P. (M)
Petrucci. S. J. (M)
Petrucci. S. J. (M)
Rodeljoer, F. E. (SM)
Shuppert, R. C. (M)
Sims, J. R. (M)
Stewart, A. K. (M)
Westboro (BOS-1)

Westborn (BOS-1) De Poy, M. L. (M) Quick, J. H. (SM)

West Bridgewater (BOS-1) Nelson, F. W. (A)

Nelson, F. W. (A)
West Concord (BOS-1)
Ausin, H. A. (M)
Bergstad, P. A. (SM)
Bousquet, A. G. (SM)
Burke, C. T. (F)
Cady, C. A. (SM)
Campbell, L. J. (M)
Chitouras, C. G. (A)
Cleveland, A. W. (M)
Dancas, H. H. (M)
De Blols, S. W. (M)
Dippolito, P. W. (M)
Eames, A. M., Jr. (M)
Easton, I. G. (SM)

Frank, R. W. (SM)
Games, J. E. (M)
Games, J. E. (M)
Hatch, R. M., Jr. (M)
Hatch, R. M., Jr. (M)
Holtle, M. C. (SM)
Johnson, G. O. (M)
Karplus, E. (F)
Leballister, D. C. (A)
Lewis, F. D. (SM)
Littleiohn, H. C. (M)
McElroy, P. K. (F)
Murphy, C. F. (M)
Nelson, R. R. (M)
Peterson, A. P. G. (F)
Pilkineton, D. W. (M)
Potenson, R. R. (M)
Sebring, P. B. (M)
Sodeman, R. A. (SM)
Sinclair, D. B. (F)
Smith, M. T. (SM)
Sodeman, R. A. (SM)
Stuart, R. W. (A)
Thurston, W. R. (SM)
Webb, H. A. J. (M)
Webb, H. A. J. (M)
Webter, W. G. (SM)
Wentworth, A. M. (A)
Whitman, J. A. (M)
Woodward, C. A., Jr. (SM)
Zawada, F. A. (M)
st Falmouth (BOS-1)

West Falmouth (BOS-1) Austin, J. F. (A)

Westford (B-MV-1) Cann, A. J. (M) Chace, W. G. (SM) Ignatowicz, J. B. (M)

West Granville (WM-1) Hodsdon, J. S. (M)

West Medway (BOS-1) Surette, L. T. (M)

West Medford (BOS-1) Cook, A. S. (M) Knapp, G. (M) Lanclani, D. A. (SM) McCarthy, J. F. (M)

Westminster (BOS-1) Nesman, E., F. (M)

West Natick (BOS-1) Sessions, A. E. N. (SM) West Newton (BOS-1)

st Newton (BOS-1)
Brown, B, D, (M)
D'Argento, F, R, (M)
De Bettencourt, J. (F)
DIXON, R, K, (M)
Eakman, S, L. (M)
Elkan, J. (M)
Freadman, N, (SM)
Harder, G, W, (M)
Heroenrother, R, C, (F)
Hollis, W, T., III (M)
Indber, L, K, (M)
Jones, W, J. (SM)
Kailszewski, T, (M)
Kaufman, D, L, (M)
Manning, C, J, (A)
Myers, H, L. (M)
Manning, C, J, (A)
Myers, H, L. (M)
Neider, F, V, (M)
Pekin, H, T, (SM)
Smith, J, E, (F)
Stiffer, F, J, (M)
Stone, S, H, J, (A)
Telxelra, N, A, (M)
Vago, J, P, (M)
Wilcox, R, B, (M)
Wyosoff, P, H, (M)
Wyoung, P, T, K, (A)
st Lynn (BOS-1)

West Lynn (BOS-1) Horlick, A. M. (A)
Laurent, J. A., Jr. (M)
White, A. (A)

West Newbury (BOS-1) Anderson, W. R. (M) Fidler, R. R. (M)

Anderson. W. R. (M)
Fidler, R. R. (M)
Fidler, R. R. (M)
Abate, A. (M)
Abate, A. (M)
Alcade, H. (A)
Baghdady, E. J. (M)
Bark, A. (M)
Bickford, W. J. (M)
Brown, W. C. (F)
Burt, W. G., Jr. (M)
Dairiki, S. (M)
Dewey, O. L. (M)
Eames, R. D. (M)
Eirckson, P. W. (SM)
Fillows, G. E. (SM)
Fillows, G. E. (SM)
Fillows, G. E. (SM)
Freedman, J. (SM)
Green, P. E., Jr. (M)
Holt, R. B. (SM)
Kahler, R. C. (M)
Kaller, T. J. (M)
Morrow, W. E. (M)

Phillips, W. E., Jr. (Ryland, B. G. (M) Searle, C. L. (M) Stoffel, F. T. (M) Underhill, B. B. (SM) Jr. (SM) Warren, B. J. (M)

West Peabody (BOS-1) Clark, N. M. (M) Genett, W. F. (A) Genett, W. F. (A)
Goldberg, D. (A)
Grant, J., Jr. (A)
Lessin, I. (M)
Porter, R. A. (M)
Simon, E. (M)
Simons, S. C. (A)
Snow, S. D. (A)
White, C. E. (SM)

Westover AFB (WM-1)
Brigham, J. C. (M)
Henneke, J. T. (A)
Woodward, W. E. (M)

West Roxbury (BOS-1)
Bonica, J. S. (M)
Downing, J. T. (M)
Duross, C. J. (M)
Fairbanks, C. G. (A) Fairbanks, C. G. (A)
Fay, S. (M)
Huddid, S. C. (M)
McCarthy, J. G. (M)
Parsons, A. (M)
Sulfivan, P. A. (A) Thomas, J. E. (M)

West Somerville (BOS-1) Cross, A. H. (A) Tringale S. R. (A)

West Springfield (WM-1) Burnett, K. H. (M)
Mattson, A. E., Jr. (A)
Sheehan, J. J. (A)
Smith, R. D. (M)

stwood (BOS-1)
Abrahamsen, F. H. (M)
Arlidsen, M. J. (M)
Arlidsen, M. J. (M)
Arlidsen, M. J. (M)
Brock, G. W., Jr. (M)
Gere, A. J. (SM)
Harrington, W. L. (A)
Hildebrant, B. M. (A)
Keegan, R. F. (M)
Lane, C. R. (SM)
Manseau, H. L. (M)
Paddock, R. B. (M)
Smith, L. W. (M)
Spears, M. F. (SM)
Trocchi, R. F. (M)
Warl, A. A. (M)
Wasley, R. L. (A)
Westbom, A. C., Jr. (S
Wilson, R. T. (M)
Wiren, J. (M) Westwood (BOS-1) Jr. (SM)

Weymouth (BOS-1)
Hamm, G. M. (SM)
Hughes, J. W. (A)
Mori, H. (SM)
Spencer, F. J. (M)

Winchester (BOS-1) icnester (BUS-1)
Babakian, J. (M)
Bacon, F. S., Jr. (M)
Basoett, O. E. (SM)
Beranek, L. L. (F)
Blakely, J. R. (SM)
Beranek, L. L. (F)
Blakely, J. R. (SM)
Beranek, L. L. (F)
Blakely, J. R. (SM)
Beranek, L. L. (SM)
Deroun, C. B. (M)
Droup, R. S. (M)
Dieterich, E. J. (M)
Djorup, R. S. (M)
Heyck, H. D. (M)
Heyck, H. D. (M)
Heyck, H. D. (M)
Hilliger, R. E. (SM)
Holdam, J. V., Jr. (SM)
Wes, J. H. (SM)
Keibley, L. W. (M)
Lamontagne, R. S. (SM)
Larson, C. O. (SM)
Mainberger, W. A. (SM)
Marino, D. J. (A)
McCusker, J. H. (A)
McFarlane, D. J. (SM)
Metylcar, K. E. (M)
Merishian, J. (M)
Metylcar, K. E. (M)
Phaneuf, C. A. (M)
Phaneuf, C. A. (M)
Robinson, T. B. (M)
Robinson, T. B. (M)
Robinson, T. B. (M)
Schlener, J. E. (A)
Schroeder, R. K. (A)
Segerstrom, C. A., Jr. (Shannon, C. E. (F)
Smith, W. B. (M)
Stevens, C. A. (SM)
Tilomiton, R. D. (M)
Tilomiton, R. D. (M)
Tilomiton, R. D. (M)
Tilomiton, R. D. (M)
Tilomiton, R. D. (M) Jr. (SM) Unger, D. M. (M) Wilcox, J. F. (M) Wundt, R. M. (SM)

Whitman (BOS-1) Gallimore, J. W. (M) Simmons, E.C. (M)

Wilbraham (WM-1) Dewey, C. S. (M) Webber, F. G. (SM)

Williamstown (WM-1) Iliamstown (WM-1)
Brandt, O. G. (M)
Curry, J. R. (M)
Hansen, R. C. (A)
Hardy, H. G. (A)
Lull, R. E. (M)
Ness, O. A. (M)
Paine, B. B. (M)
Peck, D. B. (M)
Postle, A. H. (M)
Postle, A. H. (M)
Rowland, W. H. (A)
Scarborough, F. S. (A)
Schenker, B. (M)
Stabler, H. P. (SM)
Stabler, H. P. (SM)
Wellcome, F. L. , Jr. (M)
Wellcome, F. L. , Jr. (M)
Willcome, F. L. , Jr. (M)

Wilter, J. A. (M)
Wilmington (B-MV-1)
Acton, D. J. (M)
Amold, K. F. (A)
Brindler, W. E. (M)
Crane, J. J. (M)
Di Rocco, J. V. (M)
Hartwell, H. G. (M)
Hooper, W. G., Jr. (M)
Hovannian, H. P. (SM)
Kyros, W. (A)
Merenda, F. S. (M)
Montgomery, J. L. (SM)
Page, H. M. (A)
Rich, G. H. (A)
Rose, E. P. (A)
Vasileff, H. D. (SM)
Waters, M. L. (A)

Winthrop (BOS-1)
Altshuler, E. E. (M)
Dlaz, L. V. (A)
Esakov, D. A. (M)
Mac Gregor, D. F. (A)
McDonald, F. J. (A)
Nardone, L. J. (M)
Newton, D. J. (M)
Peterson, D. G. (M)
Rivers, R. A. (M)

Wohum (BOS-1) pum (BOS-1)
Bayliss, R. E. (M)
Bethencourt, J. P. (M)
Briana, A. M. (M)
Brown, H. E. (A)
Chrusciel, M. R. (M)
Driscoll, V. (M)
Engel, A. (M)
Gallagher, E. F. (M)
Gupta, M. P. (M)
Jeffrey, R. F. (M)
Katz, L. (SM) Jerrey, R. F. (M)
Katz, L. (SM)
Kolp, J. S. (M)
Kritter, E. L. (M)
Mac Donald, K. J. (A)
McMakin, W. B. (M)
McManus, R. O. (M)
Mead, D. C. (SM) Mead, D. C. (SM)
Merrill, R. B. (M)
Mollca, A. J. (A)
O'Connor, L. J. (M)
Pletenpol, W. J. (SM)
Ray, G. H., Jr. (M)
Rice, J. F. (M)
Sabo, J. D. (M)
Selfert, W. W. (SM)
Shaw, G. B. (SM)
Stoddard, R. D. (M)
Turgiss, W. W. (M)
Ulm, E. H. (M)
Walters, S. H. (SM)

Wollaston (BOS-1)
Bixby, W. L. (M)
Despathy, R. G. (M)
DI Loreto, A. A. (A)
Edmonston, A. S. (M)
Kilman, G. B. (M)
McNamara, T. J. (M)
Moore, C. (M)

Woods Hole (BOS-1) Hervey, J. P. (M)

Worcester (BDS-1)
Anderson, R. M. (A)
Bronwell, A. B. (F)
Browning, E. A. (M)
Connolly, J. (M)
Diamond, M. (A)
Didio, R. E. (A)
Edinburg, M. W. (A)
Engelsted, J. (A)
Enselsted, J. (A)
Forsberg, C. A. (M)
Forsberg, C. A. (M)
Forgan, W. R. (SM)
Hirvl, H. E. (M)
Hoogasian, L. (M)
Howe, D. W., Jr. (M)
Howes, D. E. (M)

Karazia, R. J. (M)
Kasper, J. P., Jr. (M)
Kissch, I. H. (A)
Lloyd, A. L. (M)
Manoog, J. C. (M)
Milias, E. (M)
Morgan, T. H. (SM)
Newcil, H. H. (SM)
Newcil, H. H. (SM)
Richardson, G. A. (SM)
Riordan, W. J. (A)
Sawyer, D. E. (M)
Stoupis, T. (M)
Wolniewicz, R. S. (A)
Wright, M. W. (M)

MICHIGAN

Alger (DET-4) Emst, C. E. (A)

Allegan (W-MIC-4) Borsi, P. N. (A)

Allen Park (DF 1-4) en Park (Ut. 1-4)
Bailey, K. V. (SM)
Bledsoe, J. A. (A)
Granlund, D. L. (A)
Hogle, R. C. (M)
Tosh, W. M. (M)

Alma (W-MIC-4) George , E . E . (M) Schwartz , H . (A) Smlth , R . P . (A)

Ann Arbor (DET-4)
Attwood, S. S. (SM)
Bartman, F. L. (M)
Bartman, F. L. (M)
Bartman, B. F. (M)
Becher, W. D. (M)
Becher, W. D. (M)
Beutler, F. J. (M)
Blythe, R. (M)
Boyde, J. E. (M)
Boyde, J. A. (M)
Boyde, J. A. (M)
Boyde, J. A. (M)
Brown, M. (M)
Brown, M. (M)
Brown, W. M. (M)
Brown, W. M. (M)
Brown, W. M. (M)
Bubiltz, A. T. (A)
Burdett, G. L. (M)
Burns, J. A. (A)
Burdett, G. L. (M)
Burns, J. A. (A)
Cather, T. W. Jr. (M)
Carlsen, R. A. (A)
Cath, P. G. (M)
Chaney, L. W. (M)
Chaney, L. W. (M)
Collard, R. S. (M)
Collard, R. S. (M)
Collins, A. B. (M)
Collins, C. (M)
Firschelm, C. (M

Klingler, D. E. (M)

Kulper, J. W. (M)
Larson, R. W. (M)
Lasher, R. W. (M)
Lazarus, D. H. (M)
Lewis, D. C. (M)
Linds, D. Y. (M)
Lillie, R. E. A. (M)
Lindsay, W. J. (A)
Loughry, B. W., Jr. (M)
Macnee, A. B. (SM)
Martin, E. A. (M) Martin, E. A. (M)
Masson, D. R. (M)
Masson, D. R. (M)
Masson, D. R. (M)
Massen, S. C. (A)
McMalb, J. W. (M)
McMalb, J. W. (M)
McMalb, J. W. (M)
McPherson, R. R. (M)
Metzelaar, P. N. (A)
Miller, M. H. (M)
Miller, M. H. (M)
Molard, W. N. (M)
Molard, W. N. (M)
Moore, A. W., Jr. (M)
Moore, K. E. (M)
Moore, A. W., Jr. (M)
Morls, K. R. (A)
Mouzon, J. C. (SM)
Mullison, J. C. (SM)
Mullison, J. L. (A)
Naylor, A. W. (A)
Naylor, A. W. (A)
Nichols, A. D. (M)
Nolte, L. W. (M)
O'Neal, R. D. (SM)
O'Tr. L. W. (M)
O'Theal, R. D. (SM)
Petrowski, J. P., Jr. (M)
Paul, L. E. (M)
Peterson, G. E. (SM)
Petrowski, J. P., Jr. (M)
Pollard, W. J. (M)
Pollard, W. J. (M)
Pollard, W. J. (M)
Reiher, H. F. (M)
Rewer, J. (M)
Rewer, J. (M)
Robinson, R. C. (M)
Robinson, R. C. (M)
Robinson, R. C. (M)
Robinson, R. C. (M)
Rock, A. L. (M)
Rotheschild, D. R. (A)
Rock, A. L. (M)
Schulpe, F. (M)
Schulpe, F. (M)
Schulpe, F. (M)
Schulpe, J. (M)
Schulpe, R. J. (M) Sutton, W. A. (A)
Tantzen, R. G. (M)
Theofil, D. V. (M)
Thompson, T. E. (M)
Tleman, C. R. (SM)
Tleman, C. R. (SM)
Vander Kool, L. R. (M)
Wallace, V. L. (M)
Ward, J. W. (M)
Zaltzeff, E. M. (M)

Auburn (DET-4) Engelhardt , L . J . (M)

Battle Creek (W-MIC-4)
Arrowsmith, R. (MO
Bisko, T. (A)
Brown, H. M. (M)
Button, E. T. (SMO
Dewey, C. E., Jr. (MO
Haljsman, L. C. (MO)
Jude, R. L. (A)
Kennemer, J. R. (A)
Rose, C. E. (A)
Shaw, R. A. (M)
Summerford, D. A. C. (SMO

Bay City (DET-4)
Bowden, F. J. (M)
Dunlap, G. R. (A)
Malzahn, D. F. (A)
Matko, J. W. (M)
Sackett, W. T., Jr. (M)
Woody, F. (A)

Belleville (DET-4) Kranz, H. E. (SM) Lund, T. J. (A) Benton Harbor (SB-M-5) Fieblich, E. C. (A)
Hanson, B. B. (M)
Martz, A. F., Jr. (M)

Berkley (DET-4) Blumenberg, A. (M) Farls, W. R. (M) Norris, W. J. (M)

Berrien Springs (SB-M-5) Lashier, H. M. (M)

Big Rapids (W-MIC-4) Hurst, N. K. (A) Poznlak, J. H. (A) Z Immerman, G. E. (A)

Poznlak, J. H. (A)
Zimmerman, G. E. (A)
Zimmerman, G. E. (A)
Birningham (DET-4)
Armil, R. W. (A)
Baird, G. A. (M)
Benaglio, R. V. (M)
Benaglio, R. V. (M)
Chapin, W. R. (SM)
Chapman, F. W. (SM)
Charles, A. D. (A)
Dearth, G. E. (M)
Cralg, A. D. (A)
Dearth, G. E. (M)
Fisher, L. P., Jr. (A)
Fisk, R. H. (M)
Gudaltis, W. V. (M)
Hawley, G. H. (M)
Holmes, W. E. (M)
Kreglow, G. L. (M)
Lovolk, D. J. (M)
Leydorf, G. F. (SM)
Millar, H. S. (SM)
Millar, R. C. (M)
Miller, R. C. (M)
Miller, R. C. (M)
Miller, R. C. (M)
Sanderson, A. G. (M)
Sanderson, A. G. (M)
Somerville, A. (M)
Toton, E. J. (M)
Weiler, E. F. Jr. (SM)
Weiler, E. F. Jr. (SM)
Weiler, E. F. Jr. (SM)
Weiler, F. S. (M)
Weiler, F. S. (M)
Weiler, F. S. (M)
Oomfield Hills (DET-4)
Fahrlinger W. (ET-4)
Fahrlinger W. (ET-4)
Fahrlinger W. (M)

Bloomfield Hills (DET-4) Fahringer, W. H. (A)

Buchanan (SB-M-5)
Beaverson, W. A. (M)
Burroughs, L. R. (A)
Freathy, R. E. (A)
Hagey, L. P. (M)
Mosler, H. F. (M)
Shipman, L. E. (M)
Tomcik, D. J. (M)
Wood, J. F. (M)

Byron Center (W-MIC -4) Jager, A.J.(A)

Cannonsburg (W-MIC-4) Hart, W. N. (A)

Center Line (DET-4) Reh, J. J. (M)

Charlotte (W-MIC-4) Fox, M. L. (A) Rypstra, B., Jr. (M)

Chesaning (DET-4) Stimpfl, E.J. (A)

Clarkston (DET-4) Bartek, R.J.(M)

Clawson (DET-4)
Dougherty, R. H. (M)
Quin, W. J. (M)

Climax (W-MIC-4) Griffin, R. E. (M)

Coldwater (FT-W-5) Munn, E. H., Jr. (M)

Coloma (SB-M-5)

Dearborn (DET-4)
Anger, L. E (M)
Becker, F. C. (M)
Becker, F. C. (M)
Best, F. G. (M)
Botz, H. A. (SM)
Boyer, W. D. (M)
Calladine, G. T. (M)
Chiarenza, J. B. (M)
De Camillis, M. (M)
De Camillis, M. (M)
Emery, R. R. (M)
Emery, R. R. (M)
Ference, M. , Jr. (SM)
Glacoletto, L. J. (F)
Harrigan, P. M. (M)
Higgins, N. S. (A)
Huber, P. (M)
Llen, C. E. (VA)
McKelvey, E. J. (M)
McLaren, I. H. (M)
Newell, C. J. (M)
Nuber, S. E. (A)
Olson, R. G. (M)
Popkiewicz, F. (A)

Pressede, D. J. (M)
Salgeon, N. D. (M)
Sather, R. O. (SM)
Sims, R. C. (M)
Spinner, C. R. (A)
Stoner, M. J. (A)
Storetanski, P. A. (A)
Taylor, C. I. (M)
Urban, L. R. (A)
Ward, D. B. (A)
Williams, C. E. (M)

Detroit (DET-4)

Alimpich, N. (M)
Almas, S. L. (M)
Almas, S. L. (M)
Amber, P. S. (M)
Andrews, G. B. (M)
Asmeton, J. F. (M)
Asuncion, J. F. (M)
Bardoian, P. (A)
Barich, T. J. (M)
Bardoian, P. (A)
Barling, G. D. (M)
Brabant, C. E. (A)
Browne, J. F. X., Jr. (B)
Browne, J. F. X., Jr. (B)
Browne, J. F. X., Jr. (B)
Browne, J. F. X., Jr. (M)
Browne, J. H. (SM)
Bucharian, A. B. (SM)
Bucharian, A. B. (SM)
Bucharian, A. B. (SM)
Butchert, J. H. (M)
Canr, A. E. (M)
Canron, R. C. (M)
Carr, A. E. (M)
Conory, K. S. (M)
Cook, W. N. (A)
Combs, S. H. (M)
Cook, W. N. (A)
Combs, S. H. (M)
Cook, W. N. (A)
Combs, S. H. (M)
Cotton, R. J. (SM)
Covies, E. D. (A)
Craig, H. I. (M)
Craig, H. I. (M)
Da Roza, F. G. (M)
Datwyler, W. F. (A)
Davis, C. (M)
De Baker, J. L. (M)
De Baker, J. L. (M)
Dickerhoof, R. M. (M)
Diem. C. W. (A)
Dixon, J. K. (A)
Donovan, R. (M)
Diem. C. W. (A)
Dixon, J. K. (A)
Donovan, R. (M)
Drane, H. (M)
Franklin, R. M. (M)
Frarath, H. R. (M)
Helser, E. (A)
Johnson, J. S. (SM)
Johnson, J. S. (M)
King, L. E. (VA)
Kilme, F. L. (M)
Karouta, J. E. (Kock, W. E. (F)
Kossuth, A. K. (M)
Kraguljac, N. (M)
Krullkoski, S. J., Jr. (M)
Kubala, A. M. (M)
Kubala, A. F. (M)
Kuzyk, E. (A)
Lamey, J. L. (A)
Lawence, S. C. (M)
Lax, B. (A)
Le Fevre, H. P. (M)
Leogatt, G. E., Jr. (A)
Lesinsky, F. (M)
Licht, G. L. (A)
Liphmann, S. A. (M)
Lipki, D. B. (M)
Longerich, E. P. (M)
Loughridge, D. H. (SM)
Love, E. J. (SM) Luzer, H. J. (M)
Macewka, N. (M)
Macewka, N. (M)
Madgett, W. H. (A)
Malafouris, T. (A)
Mathamel, F. A. (M)
McDanald, L. R. (M)
McDanald, L. R. (M)
McDanald, L. R. (M)
McBonough, T. (M)
McBolnough, J. E. (M)
McGlinn, E. J. (M)
McGlinn, E. J. (M)
McHolinn, A. D. (A)
Millet, H. (M)
Millet, H. (M)
Millet, L. F. (M)
Millet, L. F. (M)
Mills, R. J. (M)
Millet, M. J. (M)
Morgan, J. J. (M)
Nagy, J. R. (M)
Nagy, J. R. (M)
Orbrien, D. J. (M)
Ogletree, W. A. (M)
Ogletree, W. A. (M) Opterier, D. J. ww)
Opterier, W. A. (M)
Osbome, R. L. (VA)
Parker, D. G. (M)
Patton, H. W. (SM)
Pecar, A. J. (A)
Peifer, A. G. (M)
Penhollow, H. A. (VA)
Popow, G. L. (M)
Poppe, P. A. (M)
Rees, D. W. (M)
Reiss, N. D. (M)
Reiss, P. J. (M)
Rosb, D. E. (SM)
Ross, P. A. (M)
Rosselot, G. A. (M)
Scanlan, R. J. (VA)
Schalariedt, T. T. (A)
Schmelisser, K. R. (SM)
Scott, D. P. (M)
Selcik, M. J. (M)
Selcik, M. J. (M)
Stevart, J. A. (SM)
Tarphilan, H. D. (A)
Tarphilan, H. D. (M)
Van Den Ende, H. (M)
Van Den Ende, H. (M)
Waltor, S. H. (M) Walther, G. S. C. NW, Webb, A. E. (A)
Webber, H. C. (A)
Webber, G. J. (M)
Weldman, J. S. (A)
Welsand, J. B. (A)
Williams, R. P. (M)
Williams, R. P. (M)
Williams, W. B. (SM)
Winters, C. S. (A)
Woiclak, J. A. (A)
Wolber, W. G. (A)
Worg, A. (M)
Yaskoff, R. (M)
Youkstetter, F. (M)
Zebrowski, M. S. (A)
Zettel, D. A. (M) Zettel, D A. (M)

Dowagiac (SB-M-5) Rowe, C.R. (SM)

Drayton Plains (DET-4)
Bellairs, G. H. (M)
Clark, R. K. (M)
Lima, E. J. T. (M)
Rosbury, F. H. (A)

East Detroit (DET-4) Boyda, M. C. (A) Stricker, I. J. (A) Wodtke, W. H. (A)

East Lansing (DET-4)
Baccus.1. B. (SM)
Blackwell, W. A. (M)
Ebert, I. O. (SM)
Edgington, G. E. (M)
Eidson, J. C. (M)

Eng, R. A. (M)
Evans, R. J. (M)
Hiedemann, E. A. (SM)
Howard, L. L. (M)
Keeney, M. G. (M)
Koenig, H. E. (SM)
Larue, J. J. (M)
McMahon, E. L. (M)
Red, M. B. (SM)
Reid, R. J. (M)
Ryder, J. D. (F)
Smith, A. E. (M)
Streizoff, J. A. (SM)
Von Tersch, L. W. (SM)
Weeg, G. P. (M)
Wilcox, L. C. (M)
Wolla, M. L. (M)

Edmore (W-MIC-4) Chater, M. L. (A)

Erie (DET-4) Bushroe , G. A. (A)

Farmington (DET-4)
Brengle, A. S. (M)
Dubois, D. A. (M)
Gardnor, D. C. (M)
Hartford, T. W. (M)
Hoge, R. R. (M)
Karwas, F. C. (M)
Niehaus, D. J. (A)
Schafer, R. H. (M)
Thomsen, T. R. (A)

Femdale (DET-4)
Amman, E. A. (A)
Ludwig, C. J. (A)
Payne, D. V. (M)
Searle, L. M. (M)
Seleno, A. A. (M)
Wagoner, C. E., Jr. (M)

Flint (DET-4)
Anderson, H. J. (M)
Bunch, J. I. (M)
Colosi, A. (A)
Common, C. A. (A)
Common, C. A. (A)
Hatcin, V. T. (M)
Hoop, R. E. (M)
Johnson, H. G. (M)
Jones, M. N. (M)
Kemmerly, J. E. (M)
McBride, W. J. (M)
Parker, W. J. (A)

Flushing (DET-4) Clark, P. R. (A) Loshbough, P. A. (A)

Fraser (DET-4) Cameratta, P. J. (M) Costello, R. E. (M) Hoehn, A. M. (M)

Fremont (W-MIC-4) Bouwsma , W. J. (A)

Garden City (DET-4)
Donald , D. K. (M)
McGregor , A. D. (M)
Taplin , L. B. (M)

Grand Junction (W-MIC-4) Krieger, H. C. (M)

Grand Rapids (W-MIC-4)
Barfuss, J. D. (M)
Bateman, G. H. (SM)
Berg, R. C. (A)
Brown, C. S. (M)
Brunsting, A. W. (A)
Croft, W. S. (M)
Devising, A. W. (A)
Croft, W. S. (M)
Devising, A. W. (A)
Croft, W. S. (M)
Devising, R. L. (M)
Devising, R. L. (M)
Devising, R. L. (M)
Gardina, J. F. (M)
Gardina, J. F. (M)
Gerton, E. D. (M)
Hekker, T. L. (A)
Huff, J. F. Jr. (M)
Kenoyer, H. W. (M)
Lundberg, R. L. (M)
Marcinko, A. M. (A)
Mort, V. A. (M)
Nold, D. E. (A)
Olson, V. E. (A)
Rehwoldt, T. V. (M)
Robison, C. F. (M)
Scott, H. R. (M)
Stevens, R. R. (SM)
Sullivan, W. J. (A)
Teachman, G. E. (M)
Waldner, R. G. (M)
Wick, A. E. (A)
Wolters, D. G. (M)
Zwiep, T. C. (M)
Grass Lake (DFT-4)

Grass Lake (DET-4) James, F. M. (M)

Greenville (W-MIC-4) Marquis, A. (M)

Grosse Pointe (DET-4) MacKenzie, E. P. (A) Grosse Pointe Farms (DET-4) Book , E . (A) Odenweller , C . (M) Smale , V . E . (A)

Grosse Pointe Park (DET-4) Griffith, A. T. (A)

Grosse Pointe Woods (DET-4)
Bober, E. P. (M)
Dacken, L. L. (M)
Delmege, A. H. (M)
Haigh, J. B. (A)
Hamman, P. E. (A)
Irwin, S. N. (M)
Sullivan, R. P. (M)

Hamtramck (DET-4) Kozinski, R. E. (A) Masłowski, R. S. (M) Szewczyk, Z. I. (M)

Hancock (MIL-5) Moses, H. J. (M)

Harbert (SB-M-5) Thurston, E. G. (M)

Harper Woods (DET-4) Ensley, C., Jr. (A)

Hasiett (DET-4) Hedges, H. G. (M)

Hastings (W-MIC-4) Branch , R. (VA)

Hazel Park (DET-4)
KIIian, D. J. (A)
Kuzara, S. W. (M)
Nutter, H. G. (A)
Schubring, N. W. (M)

Highland Park (DET-4) Stinson, R. C. (VA)

Hillsdale (DET-4) Zaiser, J. E. (A)

Holland (W-MIC-4) McKenney, J. G. (A) Tysse, H. L. (VA)

Holt (DET-4) Hemmye, J. H. (A)

Houghton (MIL-5)
Jones, R. J. (SM)
Lind, M. S. (A)
McMillin, K. M. (M)
Oswald, J. A. (A)
Soper, J. A. (M)

Huntington (DET-4)
Conrath, L.R. (SM)
Van Dusen, H. J. (M)
Wilton, V. A. (M)

Inkster (DET-4)
Cheal, J. (M)
Cleveland, A. J. (M)
Dolsen, J. A. (M)
Le Baron, G. M. (M)
Wickman, C. R. (M)
Wood, T. A. (M)

Kalamazoo (W-MIC-4)
Alwav. C. D. (M)
Burke. R. H. (M)
Fetzer. J. E. (SM)
Lee. C. E. (A)
Marburger, W. G. (M)
Mrse. F. L. (M)
Van Campe, F. M. (SM)
Woods, O. R. (M)

Lakeland (DET-4) Willett, R. M. (M)

Lansing (DET-4)
Bennetis, C., T. (A)
Brooke, C., E. (A)
Brooke, C., E. (M)
Finch, B., G. (M)
Hewltt, J., E. (A)
Kateley, J., Jr. (M)
Kruber, V. (A)
Pennington, R. B. (M)
Simons, H. C. (A)
Taylor, L., C. (A)
Whitacre, I., W. (A)
Winters, L., C. (A)

Lathrup VIIIage (DET-4) WIIIiams, K. S. (M)

Lesile (DET-4) Stansfield, S. J. (M)

Lincoin Park (DET-4) Bradiey, R. W. (A) Scott, R. E. (M) Tank, H. F. (VA)

Livonia (DET-4)
Humohrevs, D. M. (A)
Mangold, R. R. (A)
Michaels, P. A. (M)
Nilssen, O. K. (M)
Porter, C., Jr. (A)
Stout, C. D. (A)
Sullivan, J. E. (M)
Sweet, J. (A)
Thomas, T. R. (M)
Velt, N. J. (M)
Waltz, F. M. (A)
Welss, M. (A)

Ludington (W-MIC-4) Petters, J. F. (A) Plank, R. A. (A) Ramussen, R. (A)

Madison Heights (DET-4) Clements, H.R. (A) Oshima, W. Y. (A) Risko, F. D. (M) Thomas, T. (A)

Manton (W-MIC-4) Sherman, V. W. (SM)

Marne (W-MIC-4) Vanderveen, G., Jr. (A)

Marquette (MIL-5) Jackson, W. G. (M) Rutherford, J. W. (A)

Marshall (W-MIC-4) Brownell, G. T. (SM)

Melvindale (DET-4) Christ, D. R. (A) Stinson, E. R. (M) Zinluk, M. A. (M)

Midland (DET-4) Adler, S. E. (M) Allen, J. B. (M) Bauss, H. H. (A)

Milford (DET-4) Sink, W. C. (A) Stark, M. K. (M) Talaski, C. E. (M)

Monroe (DET-4) Stearns, G. D. (A)

Montague (W-MIC-4) MacDonald, B. I. (M)

Morenci (W-MIC-4) Cottrell, M. (M)

Mount Clemens (DET-4)
Baker, J. T. (A)
Brunals, E. G. (A)
Burrows, R. M., Jr. (M)
Child, R. W. (M)
Christman, C. J. (M)
Donovan, M. A., Jr. (A)
Hunter, J. S., Jr. (A)
Lewis, P. L. (A)
MacMillan, R. C. (M)
Miller, C. E. (M)
Morrison, D. O. (SM)
Pfannkuche, T. E. (M)

Muskegon (W-MIC-4)
Castenholz, F. E. (SM)
Czernlak, J. L. (A)
De Vrles, D. H. (M)
Hammer, R. V. (M)
McElyea, W. W. (M)
Riekels, H. E. (A)
Saums, H. L. (A)
Schecter, C. W., Sr. (A)
Tsaggarls, J. N. (M)

Negaunee (MIL-5) Sauer, G. R. (M)

New Boston (DET-4) Niswonger, B., Jr. (A)

NIIes (SB-M-5)
Corey, F., B. (A)
Cusick, D. H. (M)
Diehl, J. G., (M)
Kennedy, R. L. (A)
Miller, J. M., Jr. (SM)
Pawlowski, R. J. (A)
Ramsey, R. C. (M)
Wiggins, A. M. (SM)
Wise, D. R. (A)

Northville (DET-4) Thomas, B. M. (A) Young, A. E. (SM)

Oak Park (DET-4) Antoniou, M. I. (M) Barcus, R. (M) Brelkss, I. P. (M) Burr, J. A. (M) Hutchinson, R. W. (M) Le Barre, S. D. (M) Nichols, A. C. (M) Sperber, W. (M) Theodoroff, T. J. (A) Warnick, A. (M) Zimmerman, W. A. (M)

Orchard Lake (DET-4) Glbbs , D . E . (A)

Oscoda (DET-4) McMurdie, T. F. (A) Nusbaum, R. E. (M)

Petoskey (DET-4) Horniman, N. L. (M) Vargo, R. J. (A)

Pleasant Ridge (DET-4) Leland, R. D. (M)

Plymouth (DET-4)
Amlck, R. H. (A)
Armstrong, R. H. (M)
Baumoartner, W. H. (M)
Griggs, J. O., Jr. (M)
Smith, E. H. (M)
Yakas, J. (M)

Pontlac (DET-4)
Anderson, T. V. (A)
De Haan, R. F. (M)
Fisher, M. R. Jr. (M)
Lawrence, B. T. (A)
McCall, W. A. (M)
Sanders, W. J. (A)
Smith, L. G., Jr. (A)
Wilcox, L. L. (M)

Presque Isle (DET-4) Wesser, C. H. (SM)

Pullman (W-MIC-4) Robinson, G. D. (M)

Ravenna (W-MIC-4) Korson, A.W. (A)

River Rouge (DET-4) Shepley, L. (A)

Rives Junction (DET-4) Monroe, D. G. (M)

Rochester (DET-4)
Albert, A. H. (M)
Allured, R. B. (SM)
Collier, A. F. (A)
Hart, D. E. (M)
Jouppl, A. (A)
Kublak, T. H. (A)
McKenney, H. F. (SM)
Ostrander, L. V., Jr. (M)
Ranke, E. K. (M)
Shott, A. J. (M)
Wanttala, G. E. (M)

Romeo (DET-4) Smith , A . M . (M) Turrell , P . T . (M)

Roscommon (DET-4) Klemetti, R. O. (A)

Roseville (DET-4)
Bartell, V.T.(M)
Cumeralto, Q.C.(M)
Hughes, R.M.(M)
Meltvedt, H.(M)

Royal Oak (DET-4)

Allwine, H. S. (A)

Ansorge, H. W. (M)

Badger, A. H. (A)

Barber, L. E. (M)

Beck, E. R. (A)

Berg, R. E., Jr. (A)

Brown, L. R. (A)

Brown, L. R. (A)

Brown, L. R. (A)

Chadwick, R. T. (M)

Chlavarin, E. W. (M)

Edwards, C. M. (SM)

Grundberg, R. K. (A)

Hanysz, E. A. (M)

Johnson, A. C. (M)

Johnson, E. C., Jr. (SM)

Kubota, J. (M)

Larime, L. H. (SM)

Lukawski, E. L. (M)

Mackenzie, W. G. (A)

Neu, J. D. (A)

Patrick, J. L. (M)

Phillips, L. E. (M)

Robinson, D. F. (M)

Robinson, R. P. (A)

Satullo, A. R. (M)

Scholery, M. H. (A)

Schoer, R. B. (A)

Schoer, R. B. (A)

Tulksal, M. A. (M)

Trill, W. C. (A)

Tulksal, M. A. (M)

Trill, W. C. (A)

Walker, J. C. (M)

- Saginaw (DET-4) Loucks, J. W. (A) McKittrick, T. R. (M) Rigda, G. (A) Wagenseller, G. W. (A)
- St. Clair Shores (DET-4) Clair Shores (DET-4)
 Adkins, H. T. (SM)
 Antzack, T. G. (M)
 Brauning, T. W. (M)
 Jones, H. E. (M)
 Membery, A. H. (A)
 Salomone, S. M. (M)
 Stevens, J. E. (M)
 Weagel, K. D. (A)
 Wooster, A. F. (M)
- St. Joseph (SB-M-5) Joseph (SB-M-5)
 Moore, D. G. (SM)
 Phillips, G. D. (M)
 Ramer, J. S. (M)
 Rankin, J. A. (SM)
 Robertson, C. A. (M)
 Schaefer, D. E. (A) Wennerberg, A. L. (M) Wilson, D. L. (M)
- Saline (DET-4)
 Brace, L. H. (A)
 Lawrence, W. H. (M)
- Sault Ste. Marle (MIL-5) Achard, F. H., Jr. (M) Klingler, R. R. (M) McPherson, R. T. (A)
- Selfridge AFB (DET-4) Clarkson, H. E., Jr. (M) Hirvela, R. J. (M) Thompson, R. B. (M)
- Spalding (MIL-5) Johnson, H. W. (M)
- Spring Lake (W-MIC-4) Miller, K. W. (M)
- Capes, B. U. (A) Gardner, E. E. (M) Hammond, R. J. (M)
- Taylor (DET-4)
 Lisklewicz, W. T. (M. Zacharopoulos, G. (A)
- Three Oaks (S-BM-5) Snyder, D. R. (A)
- Three Rivers (FT-W-5)
 Perkins , M. L. (VA)
 Fife , R. D. (M)
 Fife , G. E. , Jr. (M)
- Traverse City (W-MIC-4) Biederman, L. M. (M) Harwood, F. E. (M) Hoogesteger, J. R. (M) Krug, E. G. (M)
- Buehler, F. A. (M) MIIIs, G. L. (A) Thornton, C. H. (A)
- Troy (DET-4) Lindberg, E. E. (A)
- Utica (DET-4) ca (DET-4)
 Boucher, A. L. (M)
 Calabro, A. D. (M)
 Green, H. V. (A)
 Hollak, A. F. (A)
 McDermott, J. P. (M)
 Payne, G. J. (M)
 Pulllam, P. E. (M)
 Rossman, J. E. (A)
 Swartz, E. E. (A)
 Vachon, R. J. (M)
- Vermontville (W-MIC-4) Moehring, W. D. (M)
- Walled Lake (DET-4)
 Belprez, G. R. (M)
 Ganschow, D. C. (SM)
 Hart, A. D. (M)
- Warren (DET-4) ren (DET-4)
 Burley, H. A. (M)
 Cralg, J. P. (M)
 Habolan, P. (A)
 Heinrich, B. F. (M)
 Kucera, D. G. (A)
 Lisiecki, M. (A)
 Marshall, J. (A)
 McKee, J. M. (M)
 Pelto, R. A. (M)
 Poswiatowski, W. C. Poswiatowski, W. C. (A) Schwartz, R. E. (M) Vamer, D. S. (M) Zukowski, J. A. (M)
- Watervliet (SB-M-5) Fuller, G. L. (A)
- Wayne (DFT-4) Haddad, M. T. (M)
 Holt, R. A. (A)
 Looser, J. A. (A)
 Mann, D. W. (M)

- Miller, H. (A) Tackett, R. W. (M)
- Welston (DET-4) Thunder, L. C. (M)
- Whitmore Lake (DET-4) Podewils, N. R. (A)
- Wyandotte (DET-4) andotte (DET-4)
 Blowers, R. C. (A)
 Foulkrod, R., Jr. (M)
 Kraft, G. R. (A)
 Moore, J. B. (VA)
 Wesser, C., Jr. (A)

Ypsilanti (DET-4)

silanti (DET-4)
Amble, H. A., Jr. (M)
Augustus, L. M. (M)
Bildsall, T. G. (M)
Bildsall, T. G. (M)
Bilkken, W. A. (M)
Breymaler, R. W. (M)
Doll, R. E. (M)
Douglas, W. J. (M)
Early, C. D. (M)
Early, C. D. (M)
Harbaugh, R. D. (M)
Harbaugh, R. D. (M)
Harbaugh, R. D. (M)
Harbaugh, R. D. (M)
Keyser, R. W. (M)
King, L. G. (A)
Kroll, R. T. (A)
Larrowe, B. T. (M)
Mess, R. E., Jr. (M)
Morita, Y. (M)
Ohlsin, J. E. (M)
Ohleill, J. E. (M)
Ohleill, J. E. (M)
Smith, D. F. (A)
Smith, N. (F)
Smith, N. (F)
Smith, N. (M)
Stewart, M. J. (A) Smith, W. (M)
Stewart, M. J. (A)
Van Valkenburg, E. S. (SM)
Weinert, B. R. (M)
Wheatley, W. A. (M)
Wilcox, G. A. (A) Williams, R. O. (SM) Wooley, G. J. (A) Yeh, C. (SM)

MINNESOTA

- Anoka (TC-5) Collier, G. X. M. (VA) Homsby, J., Jr. (M) Kimberly, H. D. (M) Longfellow, R. C. (SM)
- Austin (TC-5) Holan, J. L. (A)
- Baudette (TC-5) Bell, B. A. (M)
- Bloomington (TC-5) Martin, A. L., Jr. (A) Meyer, B. L. (M)
- Cold Spring (TC-5) Weber, K. C. (A)
- Columbia Heights (TC-5) Baker, G., Jr. (A)
- Coon Rapids (TC-5) Kittridge, C. E. (M) Smersh, C. K., Jr. (A) Wyllie, C. E. (M)
- Duluth (TC-5)
 Affronti, A. P. (M)
 Dettman, R. A. (A)
 Domchick, S. J. (M)
 Hall, R. P. (M)
 Moore, H. I. (M)
 Stackhouse, A. (M)
 Weed, J. R. (A)
 Wilz, J. P. (A)
- East Grand Forks (TC-5) Yaeger, E. C. (A)
- Edina (TC-5) Carlson, K. J. (M)
- Ely (TC-5) Persons, C. B. (SM)
- Excelsion (TC-5) Maass, C. A. J. (A) Pappas, P. E. (SM) Pree, W. G. (SM)
- Falcon Heights (TC-5) Foeste, W. E. (SM)
- Faribault (TC-5) Folsom, D. E. (M)
- Fergus Falls (TC-5) Nesting, J. W. (A)
- Forest Lake (TC-5) Bolengaugh, J. E. (M)
- Biltz, F. J. (M)
- Grand Rapids (TC-5) Erickson, E. A. (M)

- Hastings (TC-5) Karpen, R. L. (M)
- Hopkins (TC-5)
 Aske, V. H. (M)
 Bearinger, V. W. (A)
 Blakemore, J. S. (SM)
 Boyle, R. J. (M)
 Johnson, R. G. (M)
 Larsen, F. J. (SM)
 McWilliams, R. R. (M)
 Mickembacher, C. D. (M)
 Nicsbaum, A. (A)
 Palmer, D. R. (M)
 Sauck, G. L. (M)
 Stuetzer, O. M. (SM)
 Trent, J. E. (M)
- Isle (TC-5) Scherf, A. L. (M)
- Lake Wilson (TC-5) Sraders, G. (M)
- Mankato (TC-5) Lease, L. R. (M)
- Marshall (TC-5) Ahmann, R. M. (A)
- Minneapolis (TC-5)
 Adams, G. E. (SM)
 Alderson, R. C. (M)
 Alderson, R. C. (M)
 Alderson, R. C. (M)
 Alderson, D. E. (M)
 Anderson, D. E. (M)
 Anderson, D. E. (M)
 Anderson, E. M. (A)
 Anderson, E. M. (A)
 Anderson, L. T. (M)
 Anderson, R. E. (M)
 Balder, H. C. (M)
 Baker, E. E. (M)
 Balder, H. C. (M)
 Balder, H. C. (M)
 Balder, H. (SM)
 Bergan, K. N. (SM)
 Bergan, K. N. (SM)
 Bergan, K. (M)
 Bond, R. P. (M)
 Booth, J. M. (SM)
 Booth, J. M. (M)
 Bond, R. P. (M)
 Booth, J. W. (M)
 Borth, J. W. (M)
 Borth, J. W. (M)
 Borth, J. W. (M)
 Borth, J. W. (M)
 Branstad, D. H. (M)
 Brekhus, E. H. (A)
 Buettiner, H. L. (M)
 Bukosky, J. R. (A)
 Burrell, W. P. (M)
 Callen, M. W. (M)
 Case, C. T., II (M)
 Case, C. T., II (M)
 Case, T. J. (M)
 Champlin, K. S. (M)
 Champlin, K. S. (M)
 Champlin, K. S. (M)
 Chark, N., Jr. (M)
 Corbet, J. A. (M)
 Corote, J. A. (M)
 Corote, J. A. (M)
 Corote, J. A. (M)
 Croze, M. W. (M)
 Davis, W. W. (M)
 Davis, W. W. (M)
 Des Lauriers, E. D. (A)
 Disser, C. J. (M)
 Croze, M. W. (M)
 Croze, J. A. (M)
 Croze, J. J. (M)
 Frazler, H. N. (M)
 Grashorn, G. W. (M)
 Gras

Hill, B. M. (A)
Hill, E. L. (SM)
Hird, F. S. (SM)
Hord, F. S. (M)
Hotton, W. I. (SM)
Hotton, W. I. (SM)
Hotton, W. I. (SM)
Hotton, W. I. (SM)
Hotton, G. H. (M)
Johnson, G. H. (M)
Johnson, G. H. (M)
Johnson, K. R. (M)
Johnson, R. R. (M)
Johnson, R. R. (M)
Johnson, R. R. (M)
Kalo, R. M. (SM)
Kalo, R. M. (SM)
Kalo, R. M. (SM)
Kalo, R. M. (SM)
Kelough, S. H. (M)
Kershaw, J. R. (M)
Kershaw, J. R. (M)
Kershaw, J. R. (M)
Kershaw, J. R. (M)
Kershaw, J. A. (M)
Lammy, J. L. (M)
Lammy, J. L. (M)
Lammy, J. C. (M)
Lodwig, J. T. (A)
Lundahl, J. F. (M)
Marshall, J. F. (M)
Morens, P. D. (M)
Morens, R. H. (M)
Morens, J. C. (M)
Nordstrom, J. E. (A)
Norman, J. C. (M)
Nordstrom, J. E. (A)
Norman, J. C. (M)
Nordstrom, C. K. (M)
Pederson, C. K. (M)
Perece, C. J. (M)
Perece, C. J. (M)
Pereson, C. K. (M)
Perece, J. P. (M)
Pribbe, J. D. (M)
Pribbe, J Randali, R. H. (M)
Rebne, H. K. (M)
Rebne, H. K. (M)
Reinke, J. C. (M)
Reinke, J. A. (M)
Relnke, R. F. (M)
Rewyl, J. S. (M)
Retwyl, J. S. (M)
Retwyl, J. S. (M)
Rother, T. G. (A)
Rue, K. M. (A)
Runkle, L. D. (M)
Sadler, B. L. (M)
Schaumberg, W. H. (M)
Schiebe, F. R. (M)
Schindler, R. P. (M)
Schindler, R. P. (M)
Schott, O. H. (F) Schott, O. A. (M) Schuck, O. H. (F) Schulz, D. G. (M) Schulz, S. W. (M) Sells, H. A. (M)

- Sell, R. L. (SM)
 Senstad, P. D. (M)
 Shabatura, D. P. (M)
 Shabritan, J. C. (M)
 Shepherd, W. G. (F)
 Sheppard, H. F., Jr. (M)
 Sheman, J. M. (SM)
 Shoquist, M. C. (M)
 Smith, A. J., Jr. (M)
 Spencer, W. H. (M)
 Specher, N. D. (M) Spencher, W. H. (M)
 Spencher, N. D. (M)
 Stankosky, J. J. (M)
 Stane, N. T. (M)
 Stone, N. T. (M)
 Stom, J. F. (M)
 Swanlund, G. D. (M)
 Swanson, L. F. (M)
 Talarczyk, A. R. (A)
 Thomas, N. L. (M)
 Thompson, V. L. (M)
 Tobin, R. D., Jr. (M)
 Tobin, R. D., Jr. (M)
 Trimmer, J. P. (M)
 Trimmer, J. P. (M)
 Trimmer, J. C. (M)
 Valon, H. L. (A)
 Valon, H. L. (A)
 Valon, H. L. (A)
 Volk, H. M. (M)
 Warhol, N. (M) Verlie, N. L. (A)
 Volk, H. M. (M)
 Warhol, N. (M)
 Weber, R. G. (A)
 Wehner, G. K. (M)
 Welner, P. J. (M)
 Werner, W. (A)
 Weyrauch, H. E. (h
 Wicks, A. A. (M)
 Williams, G. I. (M)
 Williams, G. I. (M)
 Williams, G. I. (M)
 Zimmer, E. D. (M)
 Zimmer, S. L. (Zirkle, R. E. , Jr. (Zmeskat, A. (SM) (M) (M) (A) (A)
- New Brighton (TC-5) v Brighton (TC-5)
 Bulleyment, K. J. (M)
 Halverson, R. P. (M)
 Karsten, J. P. (A)
 Lind, A. L. (M)
 Olsen, M. R. (M)
 Palo, A. M. (M)
 Pctersen, J. F. (M)
 Schwantes, R. C. (M)
- Northfield (TC-5) Jensen, M. C. (M) Rossing, T. D. (SM)
- North St. Paul (TC-5) Erpelding, K. T. Hill, J. L. (M) (M)
- Osseo (TC-5) Fay, T. E. (M)
- Owatonna (TC-5) Eccles, W. J. (M)
- Princeton (TC-5) Sanford, D. C. (M)
- Red Wing (TC-5) Jelatis, D. G. (M) Lee, G. M. (M) Rickett, R. J. (M)
- Richfield (TC-5) Barbour, R. E. (A) Carlson, R. A. (M) Doherty, R. P. (M) Vint, J. L. (A)
- Rochester (TC-5)
 Anderson, J. A. (M)
 Brown, L. M. (M)
 Caln, J. C. (A)
 Casanova, W. J. (M)
 Cross, R. W. (A)
 Floyd, R. A., Jr. (M)
 Gmeiner, P. (M)
 Herrick, J. F. (M)
 Isaacson, J. (M)
 Jacobsen, H. J. (M)
 Jones, R. E. (SM) Jenkins, R. W. (M) Jones, R. E. (SM) McCarthy, C. E. (SM) Sanders, J. J. (A) Shaw, D. G. (M) Stottenberg, K. D. (A) Zandall, R. R. (A)
- Rosemount (TC-5) Chiswell, E. (M) Geronime, R. L. (A)
- St. Louis Park (TC-5) Miller, C. B. (A)
- St. Paul (TC-5)
 Alman, J. M. (A)
 Albon, J. M. (A)
 Anderson, S. E. (M)
 Andr, R. B. (M)
 Baldy, C. A. (M)
 Barnes, J. C. (SM)
 Bartlett, V. W. (A)
 Bawman, G. M. (M)
 Beck, V. W. (M) (M) (M)

Beckler, H. E. (M)
Beltz, C. A. (M)
Beltz, C. A. (M)
Block, E. J. (M)
Block, E. J. (M)
Block, E. J. (M)
Bookin, M. L. (M)
Bowar, R. L. (M)
Bratschi, R. W. (M)
Bratschi, R. W. (M)
Bronkala, H. J. (A)
Brown, J. L. (M)
Bronkala, H. J. (A)
Brown, J. L. (M)
Buchanan, K. J. (A)
Campbell, H. S. (M)
Campbell, R. N. (M)
Christgau, M. A. (A)
Christgau, M. A. (A)
Christgau, M. A. (A)
Christofferson, A., Jr. (M)
Coll, N. B. (SM)
Conpton, C. G. (M)
Conpton, C. G. (M)
Cooper, C. E. (M)
Debb, E. P. (M)
Debb, E. P. (M)
Debb, E. P. (M)
Debbel, W. C. (A)
Dubbel, W. C. (A)
Dubbel, W. C. (A)
Edam, D. M. (M)
Edhlund, A. J. (A)
Engel, E. (M)
Erickson, R. S. (M)
Erickson, R. S. (M)
Frishburn, H. R. (M)
Foreman, J. J. (M)
Fishburn, H. R. (M)
Foreman, J. J. (M)
Foreman, J. J. (M)
Foreman, J. J. (M)
Fullwiller, F. K. (M)
Galter, S. J. (SM)
Gelving, R. D. (M)
Gille, W. H. (SNO)
Gille, W. W. (M)
Glick, A. D. (M)
Harrington, D. A. (M)
Hass, E. G. (A)
Hill, B. F. (M)
Houlund, K. M. (M)
Houlund, K. M. (M)
Housh, W. E. (A)
Jensen, W. (M)
Seefer, D. R. (M)
Keating, D. J. (M)
Keefer, D. E. (M)
Keating, D. J. (M)
Keefer, D. E. (M)
Keating, D. J. (M)
Keefer, D. E. (M)
Keefer, D. E. (M) Reerer, D. E. (M)
Keel, B. G. (M)
Kelsey, J. R. (A)
Klambata, A. J. (A)
Kidder, H. F. (M)
Kimlinger, J. A. (A)
Kissling, R. T. (A)
Kissling, R. T. (A)
Kleason, D. B. (M)
Kliewer, D. L. (A)
Knoblauch, A., Jr. (M)
Koenig, J. D. (M)
Kolbert, D. E. (M)
Kollert, D. E. (M)
Kolling, J. A. (M)
Kollert, D. E. (M)
Kollert, J. L. (M)
Kucara, F. M. (A)
Kucara, F. M. (A)
Kucara, F. M. (A)
Kutler, L. (M)
Kukuk, H. S. (M)
Larson, J. A. (A)
Lee, M. E. (M)
Larson, J. A. (A)
Lee, M. E. (M)
Macaulay, M. (A)
Malone, R. J. (M)
Marks, H. L. (A)
Mayo, P. M. (M)
Marber, J. E. (M)
McNaughton, R. J. (M)
McLane, R. C. (M)
McMahon, R. F. (M)
McLane, R. G. (M)
McLane, R. G. (M)
Miller, L. B. (A)
Moe, W. J. (M)
Moerke, R. W. (M)
Mullaney, F. C. (SM)
Murray, D. A. (M)
Navolchick, C. (M)
Neese, J. L. (M) Navolchick, C. (M)
Neese, J. L. (M)
Neese, J. L. (M)
Nellis, W. M. (M)
Neumann, W. J. (M)
Oen, J. A. (A)
Oman, R. M. (A)
Osofsky, H. (M)
Overas, R. E. (M)
Overadier, D. F. (M)
Pallas, C. E. (M)
Pallas, C. E. (M)
Paup, R. E. (M)
Paup, R. E. (M)
Peterson, R. P. (A)
Poterson, R. C. (M)
Pierce, A. J. (M)
Poveda, H. (A)
Raabe, H. P. (SM) Raabe, H.P. (SM)

Robinson, C. J. (M)
Robinson, T. O. (M)
Robinson, T. O. (M)
Roble, A. R. (M)
Roble, A. R. (M)
Roble, A. R. (M)
Roble, A. R. (M)
Rowland, C. A., Jr. (M)
Rowland, C. A., Jr. (M)
Sabine, L. E. (M)
Sandstrom, D. L. (M)
Sandstrom, D. L. (M)
Schellenberg, A. G. (M)
Shekels, H. D. (SM)
Smythe, G. R. (M)
Somemeyer, H. F. (M)
Stahmann, J. R. (M)
Stahmann, J. R. (M)
Strand, H. D. (M)
Swyryd, M. (A)
Thews, R. F. (M)
Tuf, J. C. (M)
Tufte, R. C. (A)
Turnquist, R. D. (M)
Vogel, J. P. (M)
Vogel, J. P. (M)
Wels, W. S. (M)
Wesman, C. (M)
Wesman, C. (M)
Williamson, W. R. (M)
Williamson, D. L. (M)
Williamson, D. L. (M)
Wilson, D. L. (M)
Wilson, D. L. (M)
Wolfe, E. K., Jr. (M)
Vongel, W. (A)
Youngquist, R. J. (M)
Zuercher, D. H. (A)

St. Paul Park (TC-5) Brackett, C. R. (M)

Savage (TC-5) Pearsall, P. J. (M)

Scandia (TC-5) Nelson, H. E. (M)

Wadena (TC-5) Denyer, D. B. (M)

Waseca (TC-5)
Bruring, W. E. (M)
Hager, F. M., Jr. (SM)
Johnson, E. F. (M)
Kozan, F. J. (A)

Wayzata (TC-5) /zata (TC-5)
Johnson, L. E. (M)
Larson, V. D. (M)
Mooers, H. T. (SM)
Neveaux, R. J. (M)
Thompson, R. H. (M)
Wagner, F. C. (M)
Young, S. B. (VA) (BA)

West St. Paul (TC-5) Engelhardt, R.R. (A)

White Bear Lake (TC-5)
Chapek, H. T. (M)
Crampton, W. M. (M)
Edstrom, C. A. (A)
Enyeart, T. L. (A)
Morse, D. C., Jr. (M)
Pool, K. C. (M) ักเก

Winona (TC-5) Chisholm, R. G. (SM)

MISSISSIPPI

Baldwyn (HUN-M-3) Williams, T. J. (M)

Bay Springs (NO-6) Fieming, B.R.(M)

Biloxi (NO-6) oxi (NO-6)
Davison, R. E. (A)
Dove, R. L. (A)
Dove, R. L. (A)
Ellmer, P. J. (M)
Funk, J. W. (A)
Glowa, D. S. (M)
Jackson, L. J. (M)
Johnson, P. B. (M)
Shoemaker, W. J. (A)
Van Loon, R. M. (A)
Vaughan, D. G. (A)

Columbus (HUN-3) Stewart, D. E. (M)

Corinth (HUN-M-3) Holman, H.E. (A) Propp, R.R. (M)

Crystal Springs (NO-6) Burleson, C. T. (M) Forehand, R. R. (A) Lyon, W. T. (M) Osgood, R. C. (M)

Fthel (HUN-3) Kimbrough, W. R. (A)

Greenwood (HUN-3) Johnson, H., Jr. (M)

Grenada (HUN-3) Nall, W. L., Jr. (M) Gulfport (NO-6) Rebenstorff, C. A. (M) Wallis, J. C. (M)

Hattiesburg (NO-6) McDaniel, E. A. (M) McLemore, B. B. (M) Watson, J. N. (M) (M)

Hollandale (HUN-3) Andrews, W. R. (M) Thomas, E. C. (M)

Holly Springs (HUN-M-3) Lollar, H. C. (M) Vizzier, B. A. (M)

Jackson (NO-6)
Bates, F. E. (M)
Courtenay, J. A. (SM)
Harper, A. Y. (M)
Hussar, G. (A)

Keesler AFB (NO-6) Miles, V. J., Jr. (M) Polk, I. D. (M)

Laurel (NO-6) Wright, W. W., Jr. (M)

Long Beach (NO-6) Patton, F. T. (M)

MississIppi City (NO-6) Rasche, D. O. (M) Roemer, J. S. (M)

Natchez, (NO-6) Bowers, D. E. (M)

Ocean Springs (NO-6) Otis, G. E. (A)

Pass Christian (NO-6) Helwick, E. A. (A)

Quitman (NO-6) McKay, R. A. (M)

Saltillo (HUN-M-3) Peach, S. E. (M)

Starkville (HUN-3) Guyton, R. D. (M)

State College (HUN-3)
Ball, B. J. (M)
Fitzgerald, D. F. (M)
Hight, H. H. (M)
McCown, H. H. (A)
Murray, M. P. (M)
Roberts, G. E. (M)
Simmons, R. F. (M)
Simmons, R. F. (M)
Woods, H. G. (M)

University (HUN-M-3) Cullen, A. B., Jr. (A) Herring, R. A., Jr. (M)

Vicksburg (NO-6) Hanes, F. P. (M) Smollen, J. W., III (M)

MISSOURI

Affton (SL-6) on (SL-6)
Brickler, J.B. (M)
Fuerst, R.J. (M)
Nurre, H.H. Jr. (M)
Shirling, G.K. (M)
Wulfmeyer, J.A. (SM)

Altenburg (SL-6) Fischer, F.E.(M)

Belton (KC-6)
Brownfield, A. W. (A)
Hopp, H. W. (M)
Howard, R. M. (A)
Schmittendorf, J. A. (M)
Schulz, R. H. (M)
Verploegen, A. W. (A)

Berkeley (SL-6) Anderson, K. M. (A)
Crowe, E. W. (A)
Esker, A. T. (M)
Vaughn, J. E. (A)

Blue Springs (KC-6) Dreisoemer, D. A. (A)

Boonville (KC-6) Lang, R.H.(A)

Brentwood (SL-6) ntwood (SL-6)
Brodkowicz, J. S. (M)
Droge, R. F. (A)
Gillerman, L. (M)
Gosselin, B. G. (A)
Hegner, H. R. (M)
Johnson, A. B. (A)
Kuhlman, E. A. (A)
Luedde, W. J. (A)
Wiese, A. H. (M)

Bridgeton (\$L-6) Hall, R.S.(M) Liuzza, V.(A)

Brunswick (SL-6) Mason, D. E.(M)

Cape Girardeau (SL-6)
Brennan, R. D. (M)
Hawkins, D. L. (M)
Hirsch, O. C. (M)
Hirsch, R. O. (M)
Poe, H. E. (A)
Walter, D. R. (M)

Carthage (KC-6) Carter, C. R. Jr. (M)

Chesterfield (SL-6) Marble, T.F.((M)

Clayton (SL-6) Esterson, G. L. (M) Fiedler, G. J. (SM) Frager, A. M. (A) Gildenberg, D. 1. (M)

Clinton (KC-6) Underwood, S.W.(A)

Columbia (SL-6) umbia (SL-6)
Benningfield, L. M.
Hogan, J. C. (M)
Lago, G. V. (M)
Lamb, J. F. (M)
Randall, J. E. (M)
Waidelich, D. L. (F'
Wallis, C. M. (SM) . M. (A) (E)

Concordia (KC-6) Pape, R. L. (M)

Crestwood (SL-6)
Boman, W. T. Jr. (M)
Ebert, W. J. Jr. (M)

Creve Coeur (SL-6) ve Coeur (SL-6)
Andersen, A. R. (A)
Downing, T. S. (M)
Hemler, C. E. (M)
Hiestand, D. W. (M)
Miller, R. A. (M)

Deerborn (KC-6) Boydston, M. C.(A)

Deepwater (KC-6) Shaffner, L. D. (A)

Des Peres (SL-6) Clayton, G. H. (A)

Doniphan (SL-6) Rice, G. M. (M)

Rice, G. M. (M)

Ferguson (SL-6)
Anderson, R. C. (M)
Cave, J. H. (A)
Davis, R. T., Jr. (M)
Harward, J. E. (M)
Henderson, H. W. (M)
Miller, G. L. (M)
Reed, D. L. (M)
Reiser, W. (A)
Rekart, A. F. (VA)
Schultz, R. E. (M)
Sudfeld, C. C. (M)
Wolf, C. P. (M)

Flat River (SL-6) Smith, T. C. (M)

Flat River (SL-6)
Smith, T. C. (M)

Florissant (SL-6)
Bell, J. H. (A)
Bott, M. E. (M)
Burmett, N. C. (A)
Cherer, M. J. Jr. (M)
Clemens, J. F. (SM)
Doll, J. W. (M)
Du Charme, M. D. (M)
Estes, B. H. (M)
Fledler, R. A. (A)
Fenton, R. J. (A)
Gardner, B. H. (M)
Graves, G. L. (M)
Graves, G. L. (M)
Hinrichs, C. A. (M)
Hinrichs, C. A. (M)
Houston, W. C. (M)
Jugend, H. E. (M)
Kelin, E. J. Jr. (M)
Kouba, E. R. Jr. (M)
Lundberg, B. E. (M)
Mackin, R. J. (M)
Payne, J. E. (M)
Payne, J. E. (M)
Rowdon, E. E. (M)
Rowdon, E. E. (M)
Schaible, A. V. (M)
Schaible, A. V. (M)
Schaible, A. V. (M)
Schilze, G. H. (M)
Vicedomine, D. A. (M)
Vicedomine, D. A. (M)
Withington, J. G. (M)
Yarian, E. L. (A)
Zurbriggen, J. H. (M)
Itan (SL-6)
Nickles, R. V. (M)

Fulten (SL-6) Nickles, R. W. (M) Glascow Village (SL-6) Longshore, J. F. (M)

Glendale (SL-6) Malsbary, J. S. (M) Rustemeyer, G. L. (A)

Grandview (KC-6)
Bahm, D. H. (M)
Damon, F. A. (A)
Frogue, W. F. (A)
Gallagher, D. M. (SM)
Heartz, L. C. (M)
Schlesselman, L. A. (A)
Stone, D. W. (M)
Ware, J. F. (M) A. (A)

Greenfield (KC-6) Brooking, C.P.(M)

Hamilton (KC-6) Perkins, W. E. (M)

Hazelwood (SL-6) Fish, G. D.(M)
Hentges, V. W.(M)
Meyer, R. L.(M)
Nesheim, W. L.(M)

Hickman Mills (KC-h)
Hailey, W. (M)
Long, E. D. (M)
Mason, R. E. (M)
May, R. C. (A)
Mayfield, B. D. (A)
McCallen, P. M. (SM)
Orr, R. E. (A)
Smith, F. M. (M)
Witte, W. E. (M)

Witte, W. E. (W)
Witte, W. E. (M)
Beebe, J. A. (M)
Benedict, K. D. (M)
Borgman, K. W. (A)
Canning, D. C. (A)
Denman, E. D. (M)
Forristal, J. A. (M)
Koontz, F. A. (M)
Leibold, F. H. (A)
McCall, E. A. (M)
McDole, M. M. (A)
Richey, J. O. (M)
Riegle, G. W. (A)
Vaughan, L. D. (A)
Willinger, K. G. (A) Willinger, K.G.(A)

Ironton (SL-6) Sutton, D. A. (M)

Jefferson City (KC-6) Belshe, R. D. (M)

Jennings (SL-6) Litton, V. M. (A)

Kansas City (KC-6)
Anderson, R. W. (M)
Ashley, W. H. Jr. (M)
Barclay, J. C. (M)
Barclay, J. C. (M)
Berzon, C. G. (M)
Berzon, C. G. (M)
Berry, F. M. (M)
Berry, F. M. (M)
Bettis, M. E. (A)
Bland, F. K. (M)
Bossert, A. J. Jr. (M)
Bower, W. M. (M)
Boyles, J. O. (M)
Brosky, K. T. (M)
Brosky, K. T. (M)
Brosky, K. T. (M)
Brosky, K. T. (M)
Canden, K. E. (A)
Catalano, S. J. (M)
Chinn, F. T. (M)
Clarke, R. L. (M)
Clarke, R. L. (M)
Clarke, R. L. (M)
Clotins, J. J. (M)
Constant, P. C. Jr. (SM)
Crissman, L. R. (M)
Day, D. H. (A)
Day, D. H. (A)
Devine, W. F. (SM)
Dillon, R. B. (M)
Donovan, R. W. (M)
Easterday, M. R. (M)
Easterday, M. R. (M)
Finlay, R. S. (A)
Fry, W. E. (A)
Gersett, W. A. (A)
Gerstey, D. (M)
Gordon, J. M. (M)
Gordon, J. M. (M)
Grimsley, J. E. (A)
Haefele, G. V. (A)
Harlis, J. B. (M)
Hearson, L. T. (A)
Herfelfinger, J. B. (SM)
Helsey, W. H. (A)
Herfelfinger, J. B. (SM)
Helsey, W. H. (A)
Herfelfinger, J. B. (SM)

Hollister, B. L. (A)
Jensen, L. J. (A)
Johnson, D. W. (M)
Johnson, L. R. (M)
Jones, C. L. (A)
Jones, F. S. (M)
Jones, I. J. (M)
Jones, M. R. (SM)
Kaine, A. A. Jr. (M)
Karns, K. B. (M)
Kay, J. R. (A) Kay, J. R. (A)
Kay, J. P. (A)
Keith, J. M. (A)
Kimball, C. N. (F)
Kirk, W. J. Jr. (M)
Kling, J. J. (SM) King, J. J. (A)
Kring, C. I. (M)
Lane, J. W. (A)
Lanier, W. T. (A)
Lembie, J. R. (M)
Lembie, J. R. (M)
Lewber, H. C. (A)
Lutes, R. K. (M)
Lutes, R. K. (M)
Lutz, J. W. (SM)
Markin, E. J. Jr. (SM)
Mariotti, A. L. (M)
Markin, E. J. Jr. (SM)
McKnight, H. P. (A)
McCowell, J. B. (A)
McCowell, J. C. (M)
McCowell, J. C. (M)
McCowell, J. L. (M)
Pascuzzi, C. A. (A)
Peters, N. S. (M)
Parks, J. V. (M)
Pascuzzi, C. A. (A)
Peters, N. S. (M)
Packers, N. S. (M)
Packers, M. S. (M)
Rodes, M. H. (M)
Ross, F. C. Jr. (M)
Roby, D. P. (M)
Schwein, E. B. (SM)
Schwein, E. B. (SM)
Scott, G. H. (SM) Scott, G. H. (SM)
Scribner, N. (M)
Shapiro, E. (A)
Shontz, L. A. Jr. (SM)
Slusher, R. W. (A)
Smeltzer, V. J. (M)
Smith, C. B. (A)
Soldanels, R. M. (A)
Solomon, K. E. (A)
Somers, R. M. (SM)
Spies, F. A. (A)
Starlin, H. E. (A)
Sterner, W. J. (A) Starrin, N. E. (JA)
Stemer, W. J. (A)
Stone, J. B. (A)
Stout, H. L. (SM)
Stubbs, D. L. (M)
Swafford, J. H. (A)
Tomcak, J. F. (A)
Troeglen, K. (SM)
Uhrig, R. B. (M)
Van Gundy, C. G. (VA)
Vasen, G. (A)
Verhyden, L. C. (A)
Viriander, N. E. (M)
Waite, W. P. (M)
Waton, J. F. (M)
Welborn, D. L. (A)
Werber, W. T. (M)
Wilcox, J. V. (SM)
Wilcenga, W. G. (M)
Wilcenga, W. G. (M) Wolfskill, R. F. (SM) Young, C. D. Jr. (M)

Kirkwood (SL-6) kwood (SL-6)
Barnes, J. A. (M)
Binzel, M. S. (M)
Dubuque, T. J. (M)
Herrichs, M. W. (M)
Herron, R. (M)
McAllister, J. C. (M)
Phillips, J. B. (A)
Risk, J. E. (M)
St. Vrain, W. E. (M)
St. Vrain, W. E. (M)
Varbary, L. E. (SM)
Watson, G. A. (M)
Yount, T. L. (SM)

La Due (KC-6) Zak, S. J. (SM)

La Grange (SL-6) Hobbs, L. L. (M)

Lathrop (KC-6) Austin, J. E. (M) Lee's Summit (KC-6) King, E. J. Jr. (SM)

Liberty (KC-6)
Hilton, W. A. (M)
Lovan, J. E. (M)
Roehrman, K. E. (M)

Macon (SL-6) Rogers, H. D. (A)

Manchester (SL-6) Keil, E. W. (A)

Maplewood (SL-6) Fricke, L. H. Jr. (A)

Moberly (SL-6) Stroup, R.E.(A)

Mosby (KC-6) Plumlee, B. L. (A)

Moscow Mills (SL=6) Humphrey, D. D. (M)

Neosho (KC−6) Bolinger, N. C. (A)

Nevada (KC-6) Linguist, G. A. (A)

North Kansas City (KC-6) Bishop, W. T. (SM) Tuttle, W. R., Jr. (A)

Normandy (SL-6) Makela, L. V. (A) Murty, E. H. (M) Stephens, E. T. (A) Volk, J. A. (SM)

Northwoods (SL-6) Bossert, J. A. (A) Ridings, R. V. (M)

Olivette (SL-6) Schwarz , R . M . (SM) Trugman , J . (M)

Overland (SL-6) rrland (SL-6)
Iwan, R. D. (M)
Kubischta, P. B. (M)
Lienhard, O. W. (A)
Mosley, C. E. (SM)
Nordling, W. K. Jr. (M)
Schrimp, E. E. (A)

Parkville (KC-6) Clark , W . B . (M) Robertson , A . J . L . (M)

Parinell (KC-6) Herde, E.E.(A)

Perry (SL-6)
Davis, C. L. (SM)

Perryville (SL-6) Short, L.E.(A)

Pine Lawn (SL-6) Munson, R. D. (M)

Platte City (KC-6) Hanson, D. K. (A)

Raytown (KC~6) O'Neal, W.O.(M) Repper, O.C.(M)

Richards-Gebaur AFB (KC-6) Fernane, J. (SM) Sneddon, J. H. (M)

Richmond (KC-6) Basham, R.(M)

Richmond Heights (SL-6)
Cummings, G. M. (SM)
Harris, R. L. Jr. (M)
Lynch, F. R. (M)
Schmedel, J. H. (M)

Robertson (SL-6) Kline, R. M. (M)

Rock Hill (SL-6) Frazier, R. L. (M)
Pallozola, M. F. (A)
Wilson, L. V. (M)

Rolla (SL-6) la (SL-6)
Bardon, D. G. (M)
Brown, P. O. (M)
Campbell, L. G. (M)
De Woody, R. T. (M)
Gooding, D. J. (M)
Mitchum, M. M. (M)
Nau, R. H. (SM)
Nolte, R. E. (SM)
Nolte, R. E. (SM)
Rivers, J. L. (A)
Skitek, G. G. (M)
Thompson, D. (M)
Tingley, F. T. (M)

St. Ann (SL-6) Hali, J. T. (M)
Osha, C. K. (A)
Schepflin, D. J. (A)
Walsh, G. J. (M) St. Charles (SL-6)
Benner, B. (SM)
Boschert, R. J. (M)
Bosworth, V. O. Jr. (A)
Bromberg, B. G. (SM)
Cotterman, J. D. (M)
Cross, G. E. (A)
Crow, R. K. (M)
Finke, H. G. (M)
Finke, H. G. (M)
Hercules, F. P. (M)
Hommes, H. E. (M)
Mette, R. J. (M)
Roder, N. D. (M)
Wagner, F. R. (A)

St. John (SL-6) Butler, J. G. Jr. (M)

St. Joseph (KC-6) Joseph (KC-6) Carroll, J. C. (M) Koelling, A. J. Jr. (M) Lux, K. E. (A) Moss, D. E. (A) Simonds, R. L. (M)

Louis (SL-6)
Abkemeier, L. R. (M)
Adams, C. B. (A)
Appleton, E. R. (A)
Appleton, E. R. (A)
Augustine, R. J. (M)
Auid, S. D. (M)
Aurin, R. N. (M)
Babkar, C. E. (M)
Baker, C. E. (M)
Baker, D. D. (M)
Betler, E. H. (A)
Bennetsen, W. J. (M)
Betzold, E. J. Jr. (M)
Betzold, E. J. Jr. (M)
Bitzer, R. J. (M)
Bitzer, R. J. (M)
Bitzer, R. J. (M)
Brent, L. L. (SM)
Brmjac, J. B. (M)
Brown, J. (M)
Cassidy, R. E. (M)
Cassidy, R. E. (M)
Chambers, R. M. Jr. (M)
Chapinin, M. F. (M)
Chambers, R. M. Jr. (M)
Chambers, R. M. Jr. (M)
Condo, J. J. (M)
Condo, J. J. (M)
Condo, J. J. (M)
Connell, J. J. (SM)
Connell, J. J. (SM)
Cox, J. R. Jr. (A)
Darwin, F. A. (SM)
Detschemendy, J. A. (M)
Detschemendy, J. A. (M) St. Louis (SL-6) Cox, J. R. Jr. (A)
Darwin, F. A. (SM)
Detchemendy, J. A. (M)
Detchemendy, J. A. (M)
Dicknelte, A. J. (A)
Dicknelte, A. J. (A)
Dicknelte, R. G. (M)
Drelfich, R. G. (M)
Drelfich, R. G. (M)
Duchek, H. W. (A)
Dusin, A. J. Jr. (M)
Ethim, C. (M)
Ethim, C. (M)
Ethim, C. M. (M)
Fence, R. A. (M)
Ellis, G. A. (A)
Emmerich, C. M. (M)
Fence, J. G. (M)
Fence, J. G. (M)
Fennewald, R. W. (A)
Fillmore, F. A. (SM)
Fisman, G. (M)
Fox, G. W. (SM)
Furner, A. L. (M)
Germeroth, J. H. (M)
Gloia, S. C. (M)
Glasser, D. H. (M)
Gloacherlet, F. F. (M) Gloia, S. C. (M)
Glaser, D. H. (M)
Goodberlet, E. F. (M)
Griffiths, O. H. (M)
Hamm, H. W. (A)
Hamm, H. W. (A)
Hanford, R. W. (SM)
Harisen, M. E. (M)
Harisen, C. E. (SM)
Heembrock, M. R. (S*A)
Heembrock, M. R. (S*A)
Helitzeberg, C. H. A. (SM)
Herchenreder, H. (M)
Herries, D. G. (M)
Hicks, H. J. (M)
Jacobsmeyer, H. T. (SM)
Kathrinus, N. W. (A)
Kelly, L. A. Jr. (M)
Kling, N. (A)
Kosfeld, W. H. (M)
Lampston, J. (A)
Lampston, J. C. (A)
Lamber, V. A. (M)
Lawson, R. G. (A)
Lowell, B. W. (A)
Lowell, B. W. (A)
Lowell, T. B. (A)
Mocanich, C. H. (M)
McCanich, C. H. (M)
M

Mundel, E.F.(M) Nienhaus, H.A.(M) Ordinachev, M.D.(A) Ozment, R.(A) Ordinachev, M. D. (A)
Ozmert, R. (A)
Parsons, D. E. (M)
Polk, G. D. E. (M)
Polk, G. D. (M)
Polk, G. D. (M)
Reed, P. J. (M)
Redd, P. J. (M)
Roberts, E. M. Jr. (M)
Roberts, E. M. Jr. (M)
Rosenkoetter, E. A. (M)
Rosenkoetter, E. A. (M)
Sack, V. M. (M)
Sack, V. M. (M)
Sack, V. M. (M)
Scheeperkoetter, L. C. (A)
Scherz, C. J. (M)
Scheeve, R. W. (M)
Scheez, C. J. (M)
Schwarz, C. J. (SM)
Sevett, R. (M)
Sheepard, W. D. (M)
Siepman, A. B. (A)
Steenhausen, D. R. (A)
Steinmeyer, D. J. (A)
Taylor, W. (M)
Taylor, W. (M)
Thielen, H. H. (A) Taylor, W. (M)
Thielen, H. H. (A)
Thomas, R. M. (A)
Upton, L. (A)
Veras, J. A. (A)
Vogel, E. H. (M)
Volpe, S. J. (A)
Wall, H. Jr. (A) Wall, H. Jr. (A)
Waters, J. I. (M)
Weiler, J. L. (M)
Weinstock, G. Jr. (
Weixler, H. J. (M)
White, C. E. (A) White, C. E. (A)
Withers, J. S. (A)
Wolf, N. F. (M)
Wolin, S. (SM)
Wright, W. D. (A)
Zaborszky, J. (SM)
Zehr, N. J. (SM)

Sappington (SL-6) Schillinger, E. J. (M)

Sedalia (KC-6) Morrison, M. M. (M)

Sheridan (KC-6) Hahn, J. H. (M)

Springfield (KC-6) Curry, W. F. (A) Gentges, F. H. (A) Summers, O. H. Jr. (M) Trotter, C. E. (M) Wheat, W. M. (M)

Tina (KC-6) Plummer, T. S. (M)

University City (SL-6)
Bulger, M. V. (M)
Goldberg, J. G. (M)
Hleken, M. H. (M)
Joerger, C. D. (M)
Liddle, W. C. (M)
Motchan, H. L. (SM)
Scheer, M. L. (M)
Scheer, M. L. (M)
Szukalski, D. J. (M)
Tucker, M. F. (M)
Watson, S. E. Jr. (A)

Warson Woods (SL-6) Weigle, D. M. (M)

Webster Groves (SL-6) Hanaway, P. R. (M)
Hill, R. D. Jr. (SM)
Jeter, W. C. (M)
Sigman, H. M. (M)
Smith, H. N. (M) (M)

Whiteman AFB (KC-6) O'Connor, L. T., Jr. (M)

Wright City (SL-6) Meyers, J. W. (A)

MONTANA

Billings (SEA-7)
Behrendt, R. T. (A)
Kilchli, J. A. (M)
Lundquist, F. E. (M)
Mills, N. W. (M)
Porter, H., Jr. (A)

Bozeman (SEA-7) Kilmer, W. L. (M) Nickerson, J. F. (M) Selbel, R. C. (M) Shyne, N. A. (M) Weaver, D. K., Jr. (M) Weir, T. T. (M)

Butte (SEA-7) Kerns, R. L. (A) McCourt, A. R. (M)

Great Falls (SEA-7) Ardersen, V. O. (M)
Andersen, V. O. (M)
Haefer, J. A. (A)
Lopuch, A. J. (M)
Parker, J. E. (VA)
Watrous, D. S. (M)

Helena (SEA-7) Lynch, H. N. (M)

Livingston (SEA-7) Littleton, D. A. (A)

Miles City (SEA-7) Genge, R. E. (M)

Missoula (SEA-7) Hodgskiss, W. L. (I Taylor, A. S. (SM)

Opheim (SEA-7) Day, J.B. (A) Tomaszewicz, J.S. (M)

NEBRASKA

Alliance (OM-L-5) Klesner, J. L. (A)

Beatrice (OM-L-5) Emerson, W. R. (M)

Believue (OM-L-5)

Logue, H. L., Jr. (M)

Columbus (OM-L-5) Carter, G. W. (M) Field, T. O. (M) Matejka, J. (M) RIsk, G. (SM) Theisinger, L. P. (A) Watley, O. D. (M)

Dakota City (OM-L-5) Shadbolt, M. H. (A)

Genoa (OM-L-5) Edwards, C. E. (M)

Grand Island (OM-L-5) Collins, H. C. (M) Farrall, W. R. (M) Lynch, U. L. (M) Runyon, R. E. (A)

Hastings (OM-L-5) Allison, D. B. (M) Pearson, J. A. (M)

Hay Springs (OM-L-5) Jelinek, G. S. (A)

Hebron (OM-L-5) Uphoff, R. D. (M)

Humphrey (OM-L-5) Wels, V. A. (M)

Kearney (OM-L-5) Beshore, P. S. (VA) Pace, R. A. (M)

Kimbali (OM-L-5) Henry, J. C. (A)

Lexington (OM-L-5)

Bitner, R. J. (M)

Lincoln (OM-L-5)
Barry, R. W. (M)
Bashara, N. M. (M)
Church, A. K. (A)
Ebel, A. J. (SM)
Edison, A. R. (M)
Elwell, W. G. (M)
Estes, J. F. (A)
Gallawa, R. L. (M)
Gatliff, H. H. (A)
Havaty, L. F. (M)
Hyde, C. M. (M)
Moris, F. W. (SM)
Palmer, D. R. (M)
Park, L. C. (M)
Revay, A. W., Jr. (M)
Robison, W. C. (M)
Savelis, A. (M)
Soderholm, L. H. (M)
Soli, L. H. (M) Soderholm, L. H.(M)
Sohl, L. H. (M)
Taylor, D. R. (M)
Watson, G. W. (M)
Winkler, C. W. (VA)

Lincoln AFB (OM-L-5) Barile, T. M. (M)

McCook (OM-L-5) Lenwell, L. W. (M)

Norfolk (OM-L-5) Gettman, W. C. (M) Glover, L. L. (M)

North Platte (OM-L-5) Griffin, D. C. (A) Selde, J. H. (M)

Offutt AFB (OM-L-5) Cramond, W. R. (M) Hausman, L. R. W. (M) Marks, J. B. (M) McDavid, J. A. (SM) Smith, D. W. (M)

Dgallala (DM-L-5)
Huntley, C. W. (M)
Oakes, R. E. (M)
Pestel, T. L. (A)
Walnwelght, R. M. (SM)
Wiles, Q. T. (A)

Dmaha (DM-L-5) Barmore, J. L. (M)
Barmett, R. D. (M)
Barnett, R. D. (M)
Bates, A. G. (M)
Becker, H. W. (SM)
Becenken, H. G. (M)
Blornberg, V. J. (M)
Blornberg, V. J. (M)
Blornberg, V. J. (M)
Blornberg, V. J. (M)
Doll, C. L. (M)
Doll, C. L. (M)
Dunn, A. L. (SM)
Dunn, A. L. (SM)
Dunn, A. L. (SM)
Dunn, F. L. (SM)
Edgerton, M. J. (A)
Gaeth, A. R. (M)
Hadsell, G. C. (SM)
Hadsell, G. C. (SM)
Hayman, A. E. (M)
Hartman, A. E. (M)
Hill, R. L. (M)
Hower, P. A. (M)
Joy, H. H. (M)
Kopel, L. F. (A)
Kotera, W. J. (SM)
Kopel, L. F. (A)
Kotera, W. J. (SM)
Kozlcki, L. J. (A)
Krogstad, M. D. (A)
Kulkiln, H. S. (A)
Kulkiln, H. S. (A)
Kumagal, D. J. (M)
Lassen, W. M. (A)
Lassen, W. M. (A)
Lasta, L. D., Jr. (SM)
Maloney, J. P. (M)
Macowan, M. L. (M)
Murnick, A., Jr. (M)
Peterson, L. P. (M)
Myos, T. T. L. (VA)
Murnick, A., Jr. (M)
Peterson, L. P. (M)
Scheel, L. (M)
Scheel, L. W. (A)
Schelder, A. A. (A)
Schelder, G. E. (M)
Vickland, R. J. (M)
Welna, R. E. (A)
Vickland, R. J. (M)
Zink, R. L. (A)

Dverton (OM-L-5) Wycoff, K, H, (M)

Papillion (DM-L-5) Doll, R. E. (A)

Seward (OM-L-5) Dsborn, L. W. (A)

Sutherland (OM-L-5)

Townsend, J. G. (M)

Tobias (DM-L-5) Bamer, W. J. (M)

NEVADA
Las Vegas (LA-7)
Floering, K. S. (A)
Helgeson, B. P. (A)
Karlson, E. L. (M)
Lopez, D. (M)
Patten, R. B. (A) Rollins, D. F. (A) Shrock, J. B. (SM) Stephenson, P. L. (A) Young, F. W. (M)

Mercury (SAC-7) Erickson, P. B. (M)

North Las Vegas (LA-7) Hopkinson , E. A. (M) Monteith , R. B. (A)

Reno (SAC-7)
Cann, R. W. (M)
Carter, C. J. (M)
Conly, E. R. (A)
Domingos, H. (M)
Mattingly, C. D. (A)
Murphy, J. L. (A)
Pendleton, L. S. (A)
Sandorf, I. J. (SM)
Speir, F. H. (SM)

Sparks (SAC-7) Carlson, A. L. (M)

Tonopah (SAC-7) Pickles, S. (SM) NEW HAMPSHIRE

Amherst (B-NH-1) Martin , P . E . (M) Drth , R . T . (SM) Wenzel , J . H . (A)

Atkinson (B-NH-1) Perryman, N. A. (M)

Brookline (B-NH-1) Sommers, D. J. (A)

Canterbury (B-NH-1) Grace, G. M. (M)

Charlestown (B-NH-1) Buckland, F. A. (M)

Chester (B-NH-1) Greenway, T. H. (M) Minks, F. A. (SM) White, H. B. (A)

Concord (B-NH-1) Brew, R. A. (M) Dwyer, J. J. (M) Evans, C. B. (M) Evans, C. B. (M)
Frost, D. F. (M)
Frost, D. F. (M)
Hemansen, L. A. (M)
Katz, R. P. (M)
Longley, M. R. (A)
Murray, W. J. (A)
Uleson, D. R. (M)
Weeks, R. F. (M)
Zilborzela, B. M. (M) Zilbersteln, R. M. (M)

Derry (B-NH-1) Dollinger, K. (M)

Dover, (B-MV-1)
Amitage, P. E., Jr. (A)
Mucher, G. J. (SM)
Naal, W. S. (M)
Youngblood, I. J. (SM)

Durham (B-MV-1) ham (B-MV-1)
Clark, R. R. (M)
Falman, R. N. (SM)
Frost, A. D. (SM)
Hellar, M. W., Jr. (M)
Melvin, D. W. (M)
Winn, A. L. (M)

East Rochester (B-NH-1) Ashton, D. (M)

Epping (B-MV-1) Karandanis, S. M. (M)

Exeter (B-NH-1) Carbonneau, V. J. (M) Emanovsky, A. E. (M) Matthews, C. M. (A)

Francestown (B-NH-1) Bailey, A. B. (SM)

Gilmanton (B-NH-1) Wilkens, W. B. (SM)

Hampton (B-MV-1) Leoutsakos, G. N. (M) Outten, R. E. (A)

Hanover (B-NH-1) Curts, H. W. (M) Heckbert, A. I. (SM) Morgan, M. G. (SM) Pratt, B. (M) Wellman, B. (M)

Hillsboro (B-NH-1) Carruth, R. D. (M)
D'Loan, W. R. (SM)
Wood, J. A. (M)

Hudson (B-NH-1) Casey, R.J.E.(A) Whitaker, N.A.(M)

Jackson (B-NH-1) Stone, A. P. (M)

Keene (B-NH-1)

Cloutler, D. L. (M) Robarge, E. T. (M) Laconia (B-NH-1)
Campbell, R. H., Jr. (M)
Greene, G. G. (SM)
Hadden, G. H. (M)

Newcomb, R. E. (M) Lakeport (B-NH-1) Pattison , W. L. , Jr. (A)

Lebanon (B-NH-1) Spencer, M.C.(M)

Lyme (B-NH-1) Johnson, G. L. (SM) Wood, J. A., Jr. (SM)

Manchester (B-NH-1) chester (B-NH-1)
Allard, E. L. (M)
Apostolos, T. (M)
Baer, R. H. (M)
Banker, J. A. (M)
Barr, P. (M)
Bean, F. E. (M) Bellucci, F. A. (M)
Bouchard, J. G. F. (M)
Bouchard, J. G. F. (M)
Brous, D. W. (SM)
Cassidy, J. A. (M)
Castor, A. H. (M)
Chaparis, C. N. (M)
Chaparis, C. N. (M)
Chamberland, M. H. (A)
Dabrowski, S. A. (M)
Dugre, M. L. (A)
Gabor, W. D. (M)
Halle, C. F. (A)
Halle, C. F. (A)
Haselton, E. F. (A)
Lamere, B. E. (A)
Mondor, L. E. (M)
Mondor, L. E. (M)
Nadeau, R. U. (M)
Rust, W. F. , Jr. (SM)
Tilton, D. S. (M)
Westlake, N. L. , Jr. (M)
Whelan, F. X. , Jr. (A)
Wilkinson, H. W. (M)

Milford (B-NH-1) Romney, E. (A) Williston, R. L. (M)

Nashua (B-NH-1) snua (B-MH-L)
Akselsen, H. (M)
Ayer, D. R. (M)
Barrett, A. J. (A)
Bostwick, L. S., Jr. (M)
Bradley, D. J. (M)
Butler, J. L. (M)
Clement, C. M. M., Jr. (A)
Drescher, D. C. (M)
Eggerding, H. B. (A)
Forcler, F. D. (A)
Gagne, F. W. (M)
Gallapher, L. R. (M)
Gilligan, L. H. (M)
Goodwin, R. D. (A)
Goulder, M. E. (M)
Greenspan, L. E. (M)
Huntington, W. J., Jr. (M)
Jacobl, R. J. (M)
Jacobl, R. J. (M)
Lackson, W. E. (M)
Jackson, W. E. (M)
Jackson, W. E. (M)
Mackedwin, R. J. (M)
Low, W. R. (A)
Le Van, J. D. (M)
Low, R. C. (A)
Lowe, W. R. (A)
Lowe, W. R. (A)
Morgan, W. E. (M)
Misek, V. A. (M)
Mrogan, W. E. (M)
Newsom, E. G. (A)
Newton, L. W. (SM)
Newton, L. W. (SM)
Newton, L. W. (SM)
Newton, L. W. (SM)
St. Jean, L. E. (SM)
St. Jean, L. S. (SM)
St. Jean, L. E. (SM)
Wilson, W. J. (M)
Woodruff, T. E. (M)
Woodruff, T. E. (M)
Woodruff, T. E. (M)

New Ipswich (B-NH-1) Cole, 1. H. (M)

Newmarket (B-NH-1) George, J. A. (A)

Pease . AFB (B-NH-1) Bloom, V. A. (M) Fitts, R. E. (M)

Penacook (B-NH-1) Brock, J. M. (M)

Pittsfleid (B-MV-1) Adams, P. L. (M)

Plalstow (B-MV-1) Backard, M. J. (M) Minnich, E. L. (M)

Portsmouth (B-MV-1)
Acton, E. E. (M)
Cox, D. D. (M)
De Veaux, E. C. (M)
Jutras, P. D. (M)
Molla, J. J. (M)
Sorkin, I. J. (M)

Salem (B-NH-1) Falkenham, G. A. (A) Trusty, D. C. (A)

Salem Depot (B-NH-1) Savage, R. P. (M) Taylor, F. N. (M)

Somersworth (B-MV-1) Greene, P.J. (M)

South Merrimack (B-MV-1) Comstock, D. C. (M) Westville (B-NH-1)

Diffin, K. S. (M) Wilton (B-NH-1) Dickinson, R. V. C. (A) Windham (B-NH-1) Nakasato, J. (M) NEW JERSEY

Allendale (NNJ-2) Havstad, H. (SM) Robinson, A. S. (M) Simoni, F. R. (A) Strauch, G. R. (M)

Allenhurst (NJ-M-2) mhurst (NJ-M-2)
Dickinson, D. B. (M)
Greer, W. R., Jr. (SM)
Haddock, J. W. (M)
Nagy, Z. S. (M)
Wiener, A. (M)

Allentown (NY-M-2) Murad, R. V. (M)

Allwood (NNJ-2) Koch , S. J. (A)

Alpha (NNJ-2) Schaefer, J. B. (SM)

Alpine (NNJ-2) Merry , J. M. P. (A)

Andover (NNJ-2) Dstlund, E. M. (SM)

Ardsley (NY-W-2) Busharls , J. G. (M)

Arlington (NNJ-2) Bremer, F. V. (SM) Durie, J. C., Jr. (A)

Asbury Park (NY-M-2)
Bauer, P. S., Jr. (M)
Bauer, S. J. (A)
Belmont, E. (M)
Berl, S. (M)
Drayneek, W. R. (M)
Dworzak, D. C. (A)
French, H. H. (A)
Friet, M. G. (M) Eroaline, M. D. (A)
French, H. H. (A)
Fritz, M. G. (M)
Gisomo, G. L. (M)
Gisomo, G. L. (M)
Goldstein, S. (M)
Gottlieb, R. M. (M)
Greenblum, C. (M)
Halpern, R. E. (M)
Jones, J. D. (M)
Kolchin, R. I. (M)
Leinkram, C. Z. (M)
Mannel, W. M. (M)
Reich, B. (M)
Reich, B. (M)
Resnick, A. (M)
Rokaw, L. (M)
Salvano, D. P. (A)
Sarlo, L. M. (M)
Schelleng, J. C. (F)
Schodowski, S. S. (A)
Stampfl, R. A. (A)
Steinberg, J. (A)
Strasser, S. (M)
Swenarton, E. W. (A)
Tobias, W. T. (M)
Weitz, S. (M)

Ashland (PHI-3) Harmon , G. B. (A)
Kingsbury , S. R. (A)
Kowalski , L. E. (A)
Mahland , E. W. (M)

Atco (PHI-3) Liebold, F. A. (A) Stanko, E. (SM)

Atlantic City (PHI-3) antic City (PHI-3)
Bremmer, L. F. (SM)
Gieseche, H. (A)
HIII, J. H. (M)
Martin, W. A. , Jr. (M)
Mouradian, H. (VA)
Newman, S. (M)
Ricketts, P. E. (SM)
Scott, R. M. (SM)
Williamson, J. H. (M)
Yulo, C. (M)

Atlantic Highlands (NY-M-2) Intle Highlands (NY-M-2
Barrett, L. C., Jr. (A)
Brown, S. P. (SM)
Durrer, J. H. (A)
Jacobsen, T. L. (M)
Knauss, D. L. (A)
Petersen, P. B. (M)
Popovich, R. G. (A)

Audubon (PHI-3)
Beers, R. A. (SM)
Haining, L. E. (M)
Kozanowski, H. N. (SM)
Massari, J. P. (A)
Michel, C. A. (M)
Murohy, J. J. (M)
Noakes, G. L. (M)
Rolf, T. E. (M)
Rotherford, R. D. (M)
Ryan, J. G. (M)
Slate, M. W. (M)
Smalts, F. W. (M)
Stazz, C. E. (M)

Ayong! (PRI-2) Shuskus, J. M. (A) Avon (NY-M-2) Egley, T.H. (A)

Avon-by-the-Sea (NY-M-2) Child, T. M. (SM)

Barnegat (NY-M-2) Morrison, J. G. (A)

Barrington (PHI-3) Caldwell, H. R. (M) Capron, R. W. (M) Johnson, C. W. (M) Thompson, J. R. (M) Zabriskie, W. G. (M)

Basking Ridge (PRI-2)
Berg, G. M. (M)
Engelbrecht, R. S. (A)
Farmer, W. B. (M)
Ford, G. T. (SM)
Glauber, J. J. (SM)
Hasley, A. D. (SM)
Huil, R. W. (M)
Jacobus, H. R. (SM)
Plerce, W. L. (M)
Power, D. W. (SM)
Rosson, J. W. (M)
Talpey, T. E. (M)
Lihler, K. W. (SM) Talpey, T. E. (M) Uhler, K. W. (SM)

Bay Head (NY-M-2) Parker, J. A. (M)

Bayonne (NNJ-2) onne (NNJ-2)
Eager, G. S., Jr. (M)
Leslie, J. P. (M)
Parowski, G. C. (M)
Pettegrove, G. G. (A)
Schnipper, A. (M)
Silbermann, G. F. H. (M)
Skibneski, C. E. (M)
Szmerda, R. J. (A)
Zacharellis, G. (A)

Beachwood (NY-M-2) Jennings, R. L. (M)

Bedminster (PRI-2) Gateka, F. A. (M) Gells, J. W. (M)

Belford (NY-M-2)
Collom, P. W., Jr. (M)
Cowglil, R. M. (M)
Glendinning, W. B. (M)
Motsek, M. (A)

Belle Mead (PRI-2) Pressey, C. W. (A) Smith, H. B. (M)

rressey, C. W. (A)
Smith, H. B. (M)

Belteville (NNJ-2)
Bagno, S. M. (SM)
Copeland, M. (M)
Frank, A. (M)
Frank, A. (M)
Frank, A. (M)
Greene, V. A. (M)
Grundler, H. L. (M)
Lebleboollan, G. (A)
Marchese, N. (M)
Mock, W. C., Jr. (SM)
Moreno, C. N. (M)
Presto, A. F. (M)
Reilly, R. A. (A)
Richards, G. P. (M)
Roloffs, E. H. (M)
Salz, H. (M)
Sohere, M. (A)
Senlo, N. (M)
Singer, F., Jr. (SM)
Warno, J. E. (M)
Weller, S. (A)

Pellen, S. (A)

Belmar (NY-M-2)
Boxer, V. (M)
Brookins, R. U. (M)
Davidson, G. G. (M)
Gartner, W. W. (M)
Gordon, F., Jr. (M)
Hambleton, G. E. (M)
Jarema, E. D. (M)
Kosmahl, H. G. (SM)
Lee, A. St.J. (SM)
Pfaff, D. L. (M)
Stone, H. A. G. (A)
Stone, M. V. H. (A)
Thelssing, H. H. (SM)
Townes, W. D. (SM)
Wagner, H. M. (SM)
ellmawr (PHI-3)
Bottone

Bellmawr (PHI-3) Balchaitis, A. V. (M) King, E. (M) Melby, K. (M)

Belvidere (NNJ-2) Hunsicker, R. K. (A)

Bergenfield (NNJ-2)
Abend, I. J. (M)
Antolik, B. S. (M)
Bright, T. F. (A)
Crawford, A. R. (M)
Fee, D. R. (M)
Franklin, W. S. (M)
Frimtzis, R. (M)

Losher, M. 1. (M)
Meadow, S. (M)
Musselman, H. (A)
Rudd, C. D. (M)
Rusch, H. (A)
Schmidt, C. J. (SM) Taylor, R. G. (M)

Taylor, R. G. (M)

Berkeley Helpits ((NI)-2)

Abbott, G. F., Jr. (M)

Andrews, H. W. (M)

Austin, J. E. (M)

Chuney, M. (M)

Estoopey, R. F. (M)

Greven, P. J. (M)

Greyen, P. J. (M)

Hall, R. E. (M)

Hat, O. P., Jr. (M)

Hatock, B. E. (SM)

Humerick, S. M. (M)

Jensen, A. G. (F)

Klessling, E. H. (M)

Kozicki, H. (M)

Maher, T. P. (M)

Mann, H. (A)

Maul, L. L. (M)

Mayo, J. S. (A)

Newland, E., Jr. (M)

Dison, H. M. (M)

Driander, W. O. (M)

Dison, H. M. (M)

Schäde, F. W. (A)

Seley, E. L. (M) Schoo, F. W. (A) Seley, E. L. (M) Smith, F. B. (A) Williams, C. E. (M) Zilis, G. S. (M)

Berlin (PHI-3) Erichsen, H. K. (M) Moore, W. L. (M) Wiseman, P. E., Jr. (M)

Remardsville (PRI-2) nardsville (PRI-2)
Coddington, G. H. (M)
Green, N. H. (M)
Hedel, K. K. (M)
Larsen, J. (SM)
Levine, S. (M)
Murphy, J. A., Jr. (M)
Rager, G. T. (M)

Beverly (PHI-3) verly (PHI-3)
Chaffin, R.B. (M)
Cottone, C. V. (A)
Day, R. F. (M)
Hain, J. L. (M)
Horton, P. R. (M)
Leahy, T. D. (M)
Newcomb, R. H. (M)
Rapp, A. K. (M) Rapp, A. K. (M)
Soohoo, E. L. (A)
Steudel, W. R. (M)
Taylor, D. M. (M)
Walker, K. E. (SM)
Wolcott, R. G. (M)

Blackwood (PHI-3) Kaufmann, D. C. (M) Swedloff, B. (A)

Blairstown (NNJ-2) Maffenbeier, J. B. (M) Widenor, P. E., Jr. (SM)

Maffenbeier, J. B. (M)
Widenor, P. E., Jr. (SM)
Bloonfield (NNJ-2)
Accardo, N. A. (M)
Allen, M. M. (A)
Ashbrook, J. M. (M)
Bitinas, C. E. (SM)
Bates, J. K., Jr. (A)
Batter, H. R. (M)
Bitinas, J. (M)
Cerone, J. R. (M)
Comerci, F. A. (SM)
Coon, C. E. (M)
Crowley, J. F. (A)
Elston, G. F. (SM)
Fortin, R. C. (SM)
Fortin, R. C. (SM)
Fortin, R. C. (SM)
Grandnont, P. E. (M)
Hansen, J. A. (M)
Hansen, J. F. (M)
Kervin, B. D. (A)
Vey, H. F. (SM)
Johnson, V. L. (M)
Johnson, V. L. (M)
Johnson, V. L. (M)
McNall, J. W. (SM)
Kervin, B. D. (A)
Knochel, W. J. (SM)
McNall, J. W. (SM)
McMutrie, C. L. (M)
McNall, J. W. (SM)
McMutrie, C. L. (M)
McMutrie, C. L. (M)
McNall, J. W. (SM)
Menne, R. S. (M)
Meyers, K. F. (M)
Mitchell, C. D. (SM)
Motchell, C. L. (M)
Motchell, C. L. (M)
Motchell, C. L. (M)
Noseenthal, M. S. (M)
Schotland, R. M. (A)
Sifre, R. A. (A) Rosenthal, M. S. (M) Schotland, R. M. (A) Sifre, R. A. (A) Simon, R. T. (M)

Skellett, A. M. (F)
Sloan, F. M. (A)
Sullivan, J. F. (M)
Wallace, P. A. (M)
Waskiewicz, L. R. (A)
Weber, R. M. (A)
Weber, R. M. (A)
Widell, E. G. (SM)
Williams, N. T. (SM)
Williams, N. T. (SM)
Wood, G. R., Jr. (M)
Zelen, H. J. (A)

Bogota (NNJ-2) Gilcher, V. (A)
Hafenmaier, H. F. (M)
Hearn, E. F. (M)
Heilmann, P. E. (A)

Boonton (NNJ-2) Inton (WNU-2)
Anderson, N. J. (A)
Bailey, H. OM)
Bailey, H. H. (SM)
Bidlack, R. H. (M)
Benning, H. H. (SM)
Bidlack, R. H. (M)
Bozer, R. (M)
Christensen, H. (M)
Cook, L. (VA)
Downsbrough, G. A. (M)
Engert, G. W. (M)
Erickson, L. E. (M)
Houlroyd, G. F. (M)
Houlroyd, G. F. (M)
Hoty, W. F. (M)
Hull, C. J. (A)
Hull, L. M. (F)
Jacobus, W. M. (A)
Jones, J. J. (M)
King, P. B., Jr. (SM)
Kuller, K. K. (M)
Mannik, G. (A)
March, P. S. (VA)
Molnar, J. T. (A)
Montaalm, S. R. (SM)
Newell, R. A. (M)
Parkes, A. W. Jr. (SM)
Peters, D. P. (M)
Pittenger, R. C. (A)
Plahn, R. W. (M)
Redington, J. H. (SM)
Readington, S. A. (M)
Schanz, W. H. (M)
Scabury, E. S. (A)
Weinberg, J. (A)
While, W. F. (M)
Zayac, F. R. (M)

Boonton Township (NNJ-2) Black, W. L. (SM)

Bordentown (PHI-3) Gutterson, M. A. (A) Meler, D. J. (M)

Bound Brook (PRI-2)
Brown , W. A. R. (A)
De Luzurlaga , E. R. (M)
De Versterre , W. I. (M)
Gerhardt , G. E. (A)
Prednis , L. J. (M)
Witherell , C. E. (M)

Bradley Beach (NY-M-2) dley Beach (NY-M-2)
Brown, M. A. (M)
Capam, C. (M)
Levy, S. J. (SM)
Macallister, A., Jr. (A)
Steward, R. L. (M)

Brainards (NNJ-2) Slampyak, S., Jr. (M)

Bridgeton (PHI-3) Avellino, W. R. (M) Deal, J. H. (A)

Brielle (NY-M-2) Eason, C. R. (A) Schor, H. (M)

Brooklawn (PHI-3) Hong, J. C. T. (A)

Brookside (NNJ-2)

Adams, E. W., Jr. (M) Browns MIIIs (PHI-3) Tellier, J. C. (F)

Burlington (PHI-3) Bechtold, G. W. (M) Cole, D. A. (A) Dubrow, W. (A) Escriba, C. F. (M)

Butler (NNJ-2) tler (NNJ-2)
Bradford, D. C. (M)
Gordon, J. P. (SM)
Gradjelick, T. J., Sr. (M)
Greenleaf, J. L. (M)
Hoagland, K. A. (SM)
Wachter, J. E. (M)
Willd, R. F. (SM)
Wolter, H. R. (M)

Caldwell (NNJ-2) Graff, E. S. (A) Horner, J. E. W. (A)

Hotopp, A. H., Jr. (SM) Janes, A. W. (M) McBrair, H. C. (M) McBrair, H. C. (M)
McKeeby, R. W. (M)
McKeeby, R. W. (M)
Melvell, D. S. (SM)
Neu, E. C. (M)
Schoenbaum, J. R. (SM)
Schoenbaum, J. R. (SM)
Spelle, T. F. (A)
Sur, J. D. Y. (M)
Suherlin, L. (SM)
Vogel, W. H., Jr. (M)

Caldwell Township (NNJ-2) Digrindakis, M. (M) Dulac, J. P. P. (M)

mden (PHI-3)
Altken, K, M. (SM)
Ankenbrandt, F, L. (F)
Annus, L, E. (A)
Arthur, G, R. (SM)
Baker, L. (M)
Benoitel, I. (SM)
Berges, W. P. (A)
Bocke, J. J. (M)
Boenecke, C. A. (M)
Boden, E. L. (M)
Boenecke, C. A. (M)
Boden, E. L. (M)
Booshock, S. N. (M)
Casey, R. H. (M)
Casey, R. H. (M)
Christopher, A. J., Jr. (M)
Clay, B. R. (SM)
Clay, B. R. (SM)
Cloton, R. M. (A)
Coopeman, M. (A)
Coopeman, M. (A)
Cornington, M. S. (F)
Courtney, J. E. (M)
Crosby, D. R. (SM)
Curtis, W. C. (A)
Davis, N. L., Jr. (M)
Di Paolo, L. A. (A)
Domin, F. J. (A)
Eagan, J. F., Jr. (M)
Dickens, B. L. (M)
Pinkelstein, M. B. (SM)
Fricke, R. L. (M)
Feibel, R. L. (M)
Feibel, R. L. (M)
Feibel, R. L. (M)
Glethir, M. V. Jr. (M)
Harris, V. A. (SM)
Harris, W. A. (SM)

Taylor, J. I., Jr. (M)
Terris, D. (M)
Tourshou, S. (SM)
Tracy, E. C. (M)
Trainer, M. A. (SM)
Trebing, G. W. (M)
Villomerson, B. S. (SM) Villomerson, B. S. (S Walter, J. C. (SM) Waslski, E. B. (A) Waters, G. B. (M) Wem, D. W., Jr. (A) Wintz, E. L. (A) Wolfe, W. R. (M) Woods, W. E. (A) Wright, S. L. (A) Zamoch, E. J. (M)

Caristadt (NNJ-2) istadt (NNJ-2) Christaldi, P. S. (F) Ederer, N. (M) Kalser, A. W. (SM) Kim, Y. C. (M) Lowers, C. E. (SM)

Carteret (PRI-2)

Goyena, S. R. (A)

Cedar Grove (NNJ-2)

Altman, H. (M)

Balas, P., Jr. (A)

Beckers, A. E. (M)

Brown, W. G. (M)

Bulkley, A. W. (M)

Clarke, A. F., Jr. (M)

Dooner, J. L. (M)

Fichter, W. C., Jr. (M)

Golss, W. (A)

Golck, G. (M)

Gordon, R. F. (A)

Gorss, C. G., Jr. (M)

Grieg, D. D. (SM)

Harmann, J. C. (M)

Kelm, F. J., Jr. (M)

Ketmann, H. W. (A)

Keln, A. M. (M)

Kramer, A. S. (SM)

Kramer, A. S. (SM) Ketmann, H. W. (A)
Klein, A. M. (M)
Kramer, A. S. (SM)
Kuras, H. F. (M)
Lawrence, J. T. (SM)
Lenker, J. N. (M)
Luongo, J. (M)
Magdeburger, P. E. (M)
Moskowitz, S. (M)
Petruzzelli, R. T. (A)
Pogoda, A. L. (M)
Reeves, E. H. (M)
Reichert, W. G., Jr. (M)
Shackelford, C. L. (SM)
Sutton, L. E. , III (A)
Trim, M. E. (M)
Van Bunnt, L. B. (M)
Van Bunnt, J. B. (M)
Weber, W. N. (SM) Weitmann, O. (SM)

Cedar Knolls (NNJ-2) Eden, B. F. (M) Hetzel, G. L. (M)

Chatham (NNJ-2) Jatnam (NNJ-2)
Albrecht, H. W. (SM)
Andrew, H. B. (M)
Andrew, H. B. (M)
Babcock, W. C. (M)
Bishop, J. D. (M)
Bobock, A. H. (M)
Bondy, M. (M)
Bordy, M. (M)
Bryart, N. W. (SM)
Cousins, V. M. (M)
Edwards, J. R. (M)
Elfis, R. G. (A)
Felch, E. P. (F)
Filo, J. P. (M)
French, H. N. (M)
Hangley, R. M. (M)
Hangley, R. M. (M)
Homockel, D. L. (A)
Hilberg, E. C. (M)
Hilberg, E. A., Jr. (M)
Homockel, D. L. (A)
Homockel, D. L. (A)
Mother (M)
Kiesse, W. R. (M)
Kiesse, W. R. (M)
Kiesse, W. R. (M)
Kiesse, W. R. (M)
Kieste, C. (M)
Mormad, G. H. (M)
Mornow, S. R. (A)
McLean, D. A. (SM)
Moched, G. H. (M)
Mornow, S. R. (A)
Schnebbe, A. D. (M)
Smoot, A. W. (M)
Smoot, A. W. (M)
Smoot, A. W. (M)
Southworth, G. C. (F)
Sproul, P. T. (SM)
Yaughan, V. N. Jr. (SM)
Vaughan, P. L. (M)
Vaughan, P. L. (M)
Vaughan, P. L. (M)
Vaughan, P. L. (M)
Vaughan, R. L. (M)
Wahlig, R. L. (M) Wintringham, W. T. (F) Wirsz, N. C. (M) Yarly, A. (M)

Chatham Township (NNJ-2) Singer, F. J. (SM) Stone, R. C., Jr. (M)

Chester (NNJ-2) Hubbell, B. (M) Mortlock, C. E., Jr. (M) Ruff, J. A. (A)

Cinnaminson (PHI-3) Wamick, G. E. (M)

Clark (NNJ-2) rk (NNJ-2)
Basarab, J., Jr. (M)
Collazo, J. L. (M)
Hall, R. W. (A)
Rizzoni, E. M. (SM)
Seymour, J. W. (SM)
Whitty, M. S. (M)

Clementon (PHI-3) Connelly, J. J. (M) Ross, M. D. (M) Vargo, A., Jr. (M)

Cliffside Park (NNJ-2) Strole, J. C. (M)

Clifton (NNJ-2)

fton (NNJ-2)
Arditj, M. (SM)
Am, R. H. (A)
Aut, C. F. (M)
Beaman, A. L. (A)
Blake, D. L. (M)
Brady, J. F. (SM)
Brady, L. J. (M)
Brockel, E. P. (A)
Callanan, W. F. (M)
Casbona, A. M. (M)
Clemens, J. R. (M) Cashoona, A. M., LW,
Clemens, J. R. (M)
Davidson, G. M. (M)
De Bell, J. M., Jr. (M)
Dolan, F. J. (M)
Dolan, F. J. (M)
Elbert, C. H. (M)
Elbert, C. H. (M)
Feldt, R. (SM)
Filliman, J. J. (M)
Foster, H. (M)
Goldstein, R. L. (A)
Green, M. W. (M)
Hafell, J. E. (M)
Helns, P. N. (M)
Hobeman, M. J. (SM)
Hobeman, F. L. (M)
Hobeman, M. J. (SM)
Hobeman, M. J. (SM)
Hobeman, M. J. (SM)
Hobeman, J. S. (M)
Hobeman, J. S. (M)
Librizzi, P. N. (SM)
Morrow, R. A. (M)
Murnby, G. G. (SM)
Nelson, J. E. (SM)
Dollack, L. (SM)
Postal, R. L. (M)
Salzer, R. M. (M)
Salzer, R. M. (M)
Salzer, R. A. (M)
Salzer, R. A. (M)
Schneider, A. E. (M)
Schneider, J. D. (SM)
Schenider, J. D. (SM)
Schwartz, P. L. (M)
Schenider, A. E. (M)
Schenider, A. E. (M)
Schenider, A. M. (SM)
Stein, S. (M)
Tobias, J. (M)
Stein, S. (M)
Tobias, J. (M)
Stein, S. (M)
Tobias, J. (M)
Stein, S. (M)
Tobias, J. (M) Tobias, J. (M)
Weinshanker, J. (M)
Yaroshko, P. (A)
Yeisley, W. F. (M)
Zahner, C. F. (M)
Zweibel, J. (M)

Clinton (NNJ-2) Carlson, R. (A)

Closter (NNJ-2) Cagney, W. M. (A) Slawson, W. J. (M) White, L. E. (A)

Collingswood (PHI-3) Lingswood (PHI-3)
Ackerman, M.J. (SM)
Aron, S. (M)
Aurand, J. A. (M)
Awalla, N. R. (A)
Baker, W. W. (M)
Beauchemin, A. (M)
Beauchemin, A. (M)
Booth, G. W. (M)
Brotzman, E. S. (SM)
Brown, E. S. (SM)

Suther, G. A. (M)

Buck, D. G. (M) Bucke, D. G. LW)
Burke, M. D. (M)
Caron, E. J. (SM)
Chin, G. D. (M)
Chope, R. E. (A)
Clark, E. L. (SM)
Cohen, K. J. (A)
Colander, G. E. (M)
Corey, C. P. (A)
Crawford, R. D. (M)
Desrochers, R. E. (M)
Desrochers, R. E. (M)
Di Russo, E. E. (M)
Di Russo, E. E. (M)
Doblins, L. W. (M)
Doblins, L. W. (M)
Doblins, L. W. (M)
Dougherty, J. P. (M)
Dougherty, J. P. (M)
Eiselein, J. E. (SM)
Field, G. R. (SM)
Field, G. R. (SM)
Field, G. R. (SM)
Gillore, J. P. (SM)
Gillore, J. R. (M)
Gillore, J. R. (M)
Gillore, J. R. (M)
Gillore, J. R. (M)
Goodman, H. (SM)
Green, L. S. (M)
Green, L. S. (M)
Homan, A. A. (M)
Homan, A. A. (M)
Homan, A. A. (M)
Homan, A. A. (M)
Homan, R. S. (M)
Hord, R. S. (M)
Horder, R. S. (M)
Kolar, R. F. (M) Katz, E. S. (M)
Kolar, R. F. (M)
Kolar, R. F. (M)
Kowal, A. (A)
Lapidos, R. W. (M)
Lapidos, R. W. (M)
Lapidos, R. W. (M)
Lefczik, S. W. (A)
Lynn, S. (SM)
Malores, N. A. (M)
Malitz, E. (A)
Maloff, I. G. (F)
Mara, T. (M)
Marsten, R. B. (SM)
Marsten, R. B. (SM)
MocGiffney, D. Z. (M)
Meeker, W. F. (M)
Nagy, T. (M)
Neubauer, J. R. (SM)
Olson, C. L. (M)
Orendac, B. M. (A)
Pandorf, R. J. (M)
Pettengill, G. W. (M)
Phillips, L. B. (M)
Rezek, G. (A)
Robertson, J. Y. (M)
Schatz, S. (A)
Schwarz, H. G. (M)
Selby, E. O. (M)
Sharp, R. F. (M)
Sharp, R. F. (M)
Siukola, M. (M)
Skorup, G. E. (SM)
Siukola, M. (M)
Skorup, G. E. (SM) Shoaf, J. R., II (SM)
Siukola, M. (M)
Skorup, G. E. (SM)
Smith, A. E. (M)
Staniszewski, J. R. (M)
Stupp, R. W. (VA)
Thomas, A. R. (M)
Thompson, E. E. (M)
Thompson, E. E. (M)
Thompson, E. E. (M)
Tumer, A. H. (M)
Underwood, J. F. (SM)
Varsos, S. G. (M)
Venters, D. C. (M)
Ver Wys, G. A. (M)
Wang, T. (A)
White, R. J. (M)
Wolf, R. R. (M)
Wolf, R. E. (M)
Woof, R. E. (M) Yin, H.(M) Young, H.D.(M)

onia (PRI-2)
Anderson, E. C. (A)
Click, C. L. (M)
Gegenheimer, R. F. (M)
Levine, I. (M)
Sheffield, B. (SM)
Zeier, A. J. (A)

Covtesville (NNJ-2) Boychuk, B. (M) Kertesz, Z. J. (A) Robin, G. W. (A) Spock, R. E. (M)

Cranbury (PRI-2)
Herzfeld, F. (M)
Matheson, R. M. (M)
Morgan, J. M. (SM)
Rodda, W. E. (M)
Scholz, K. W. (A)
Shankweiler, R. G. (SM)
Wysocki, J. J. (M)
Zonis, F. I. (M)

Cranford (NNJ-2) htord (NNJ-2)
Abrams, H. (M)
Backinoff, B. (M)
DI Glovanni, A. E. (A)
Fanarjian, R. C. (M)
Herzer, W. P. (M)
Hillyer, C. (M) Jacobus, L. A., Jr. (M)
Jagerman, D. L. (M)
Jakub, J. J. (M)
Kolts, R. C. (M)
Lee, H. C. (M)
Linzer, G. M. (A)
Madan, R. W. (A)
Reymond, W. K. (M)
Ressel, W. C. (M)
Sansalone, F. J. (M)
Schaner, F. A. (SM)
Shenk, J. J. (M)
Silverman, D. (A)
Sullivan, H. J. (M)
Widmann, E. (M)

Cresskill (NNJ-2) Lippner, B. (A) Stebbins, M. D. (M)

Deal (NY-M-2) Bennett, H. S. (SM) Klayton, M. H. (SM) Reingold, I. (SM)

Delanco (PHI-3) Hermann, P. E. (M)
Phillips, J. W. (A)
Potter, E. H. (SM)

Delawanna (NNJ-2) Salmen, L. M., Jr. (M)

Demarest (NNJ-2)
Foster, D. (M)
Furrer, C. G. (A)
Sapiro, A. M. (M)
Thompson, R. G. (A)

I hompson, R. G. (A)

Denville (NNJ-2)
Baker, R. A. (M)
Beckmann, U. L. (A)
Bemis, A. R. (M)
Farbanish, E. (A)
Fifer, W. C. (M)
Gilbert, E. A. (M)
Jamba, D. M. (M)
Koch, H. J. (M)
Kodner, J. L. (A)
Kruper, H. A. (M)
Langdon, G. G. (M)
Littlefield, D. F. (M)
Mindes, A. S. (M)
Munson, V. E. (M)
Novick, W. (M)
Porter, E. A. (M)
Remulck, E. B., Jr. (M)

Renwick, E. B., Jr. (M)
Van Winkle, D. (A)

Dover (NNJ-2)
Backer, L. A. (SM)
Benson, R. K. (M)
Brown, A. F. (M)
Calafatl, S. S., Jr. (SM)
Frank, J. E. (M)
Giass, L. H. (M)
Grenier, T. J. (M)
Grinoch, A. (A)
Harl, R. E. (A)
Helm, G. D. (SM)
Hotvedt, A. (M)
Lightcap, E. T. (M)
McForry, J. R. (M)
McKechnle, K. H., Jr. (M)
Nielsen, M. I. (M)
Perekto, H. T. (M)
Posternak, H. (A)
Prehn, G. G. (M)
Ritterman, S. A. (M)
Schwartz, A. J. (M)
Shurley, R. M. (M)
Shurley, R. M. (M)
Syder, E. C., Jr. (M)
Waxler, D. (SM)
Zenk, G. E. (M)

Zenk, G. E. (M)

Dumont (NNJ-2)
Apfel, G. J. (A)
Auld, J. S. (A)
Benamy, D. A. (A)
Eland, P. D. (M)
Garrison, R. J. (M)
Hahm, J. (A)
Hammerstein, H. A. (M)
Kemer, S. J. (M)
Leahy, G. F. (A)
Mossa, F. P. (M)
Schwerin, P. (SM)
Strain, M. (M)
Sundberg, A. (A)

Dunellen (PRI-2) ellen (PRI-2)
Canavan, J. J. (M)
Chabrak, T. A. (M)
Geigel, A. A. (M)
Helenek, A. R. (M)
Lungo, C. V. (SM)
Povich, J. (A)
Ross, A. J. (SM)
Schmidt, S. J. (M)

Durham Park (Pkt-2) Meitzner, A. C. (A)

East Brunswick (PRI-2) Vaccaro, F.E.(M)

East Orange (NNJ-2) Armstrong, T. D. (M) Carlat, B. (SM)

Coen, R. T. (M)
Conrad, T. E., Jr. (M)
Forman, J. A. (M)
Gawler, H. C. (SM)
Gonzalez, C. (M)
Greenberg, H. (M)
Henry, T. J. (SM)
Hodowanec, G. (M) Greenberg, H. (M)
Henry, T. J. (SM)
Hodowanec, G. (M)
Kendall, B. W. (SM)
Lachocki, E. (A)
Lardieri, G. (A)
Lindon, J. (A)
Loomis, D. C. (A)
Meyers, S. T. (SM)
Melson, R. S. (M)
Riegler, R. L. (A)
Ruston, J. (M)
Sandretto, P. C. (F)
Schulz, F. J. (A)
Scott, F. I., Jr. (M)
Simbson, J. E. (M)
Smith, H. H. (M)
Smith, H. H. (M)
Smith, W. P. (A)
Solek, L. R. (M)
Spies, D. (A)
Stalker, F. B. (M)
Weible, N. R. (VA)
Wesblury, R. (M)
Wortlington, R. (M)
Wortlington, R. (M)

st Paterson (NNJ-2)
Benewicz, T. F. (M)
Beneman, J. E. (M)
De Falco, N. J. (M)
De bonney, R. J. (M)
Deinhert, R. W. (M)
Fomin, M. (A)
Gardner, J. L. (A)
Grosbaum, E. (M)
Grower, B. B. (M)
Hatchwell, J. A. (M)
Hesse, H. R. (SM)
Hoffman, P., Jr. (A)
Holley, J. J. (A)
Kendall, K. J. (M)
Koenio, J. A. (A)
Lapham, C. J. (A)
Maron, M. (M)
Northrop, D. T. (M)
Woodward, R. J. (M) East Paterson (NNJ-2)

East Rutherford (NNJ-2) Painter, J. G. (M) Skalski, W. A. (M)

East Vineland (PHI-3) Konrad , L . (M)

East Vineland (PHI-3)
Konrad, L. (M)

Eatontown (NY-M-2)
Abercromble, G. D. (A)
Bartow, J. E. (M)
Burkhard, H. F. (M)
Curtis, M. W. (M)
Davis, M. I. (M)
Deblasio, C. (A)
DIII, F. H., Jr. (M)
Feeban, J. D. (M)
Feebsh, H. L. (A)
Gaskell, R. J. (A)
Gubau, G. J. E. (F)
Gray, G. A. (M)
Haley, R. G. (M)
Haley, R. G. (M)
Heinlein, J. V. (A)
Hughes, R. A. (M)
Kelly, B. M. (SM)
Kesselman, W. A. (M)
Landberg, A. (M)
Landberg, A. (M)
Landberg, J. (M)
Lupinski, J. M. (M)
Occhiogrosso, T. (M)
Petrillo, S. E. (F)
Shanahan, J. C. (M)
Smidowicz, T. L. (M)
Smidowicz, T. L. (M)
Smidowicz, T. Z. (M)
Strange, M. G. (M)

Edgewater (NNJ-2)
Harris, C. D. (A)

peron (NY-M-2)
Austin, H. R. (M)
Bady, I. (SM)
Blum, M. S. (M)
Blum, M. S. (M)
Brand, F. A. (M)
Burke, M. H. (M)
Elliott, C. T. (M)
Elser, A. C. (A)
Fontana, W. J. (SM)
Fulleton, G. R. (M)
Godd, W. B., III (A)
Hamna, P. D. (A)
Hatkin, L. (M)
Hill, J. F. (M)
Hooten, M. G. (M)
Ikrath, K. (A)
Jacoby, D. L. (M)
Kneger, T. O. (M)
Malkin, S. (M)
Schafer, J. P. (SM)
Schafer, J. P. (SM)
Schafer, J. P. (SM)
Schafer, J. P. (SM) Elberon (NY-M-2)

Tanzman, H. D. (M) Woodworth, J. D. (M) Wynne, W. M. (VA) Ziegler, H. K. (SM)

Elberon Park (NY-M-2) Hecker, H.F.(M) Trauben, W.(M)

bzabeth (NNJ- 2)
Baird, D. R. (A)
Bellis, V. L. (A)
Bellis, V. L. (A)
Burton, D. M. (M)
Chasek, M. B. (A)
Cooper, C. G. (A)
Dixon, V. E. (M)
Garfinkel, B. D. (M)
Glassman, S. H. (M)
Green, L. N. (M)
Hirsch, F. (M)
Hold, H. W. (A)
Kent, R. A. (A)
Nellis, S. (A)
Nellis, S. (A)
Nellis, S. (A)
Pecira, R. G. (A)
Peitzer, H. E. (SM)
Prever, C. P. (SM)
Peterson, T. A. Jr. (SM)
Pietzantonio, F. V. (M)
Rosen, H. (M)
Scaturo, C. (M)
Walsh, L. (SM)
Weinberg, M. (M)
ner (PHI-3) Elizabeth (NNJ-2)

Elmer (PHI+3) Tipton, W.F.(M)

Emerson (NNJ-2)
Boyens, R. D. (SM)
Freid, J. (M)
Kelley, J. R. (M)
Long, J. H. (SM)
MacVeety, R. C., Jr. (M)
Reinish, G. B. (M)
Rubino, J. W. (SM)
Saco, V. (M)
Swiggett, W. O. (A)

glewood (NNJ-2)
Anick, G. (A)
Craig, J. A. (M)
Dem, H. (SM)
Eiders, D. S. (M)
Garthwaite, J. L. (A)
Gruber, A. E. (A)
Haagens, P. (M)
Hilliman, L. (M)
Hughes, K. E. (M)
Press, M. (SM)
Roselli, D. J. (A)
Saliba, G. J. (SM)
Saroeant, C. E. (VA)
Smith, P. C. (A)
Stiefel, E. (A)
Thomas, E. R. (M) Englewood (NNJ-2)

Englewood Cliffs (NNJ-2) Parker, S.R.(M)

con (PHI-3)
Blaisdell, H. L. (SM)
Blaisdell, H. M. (M)
Carignan, R. J. (M)
Casolaro, R. N. (M)
D'Amato, E. J. (M)
Foley, T. U. (M)
Hanson, R. E. (M)
Mechler, E. A. (SM)
More, C. C. (M)
Mullen, C. V. (A)
Pearson, R. W. (M)
Schottenfeld, I. A. (A)
Smith, C. J. (M)
Sperling, I. (A)
Weisbecker, J. A. (M) Erlton (PHI-3)

Erskine Lakes (NNJ-2) Cosgrove, T.(SM)

Essex Fells (NNJ-2)
Blancke, T.B.(A)
Henneberger, T.C., Jr. (M)
Lederer, E.A.(F)

Henneberger, T. C., Jr.
Lederer, E. A. (F)

Fair Haven (NY-M-2)
Aronoff, M. (SM)
Chappell, J. F. (M)
Corkrain, D. H. (SM)
Dickson, F. H. (M)
Evans, E. D., Jr. (M)
Gale, R. J. (M)
Hanley, J. F. (SM)
Harrison, D. J. H. (A)
Kelley, J. F. (SM)
Loud, Y. F. (A)
Undeil, J. J. (M)
Priebe, F. K. (M)
Priebe, F. K. (M)
Priebe, F. K. (M)
Russell, W. J., Jr. (M)
Ruthoff, C. L. (SM)
Schedlbauer, C. M. (SM)
Triolo, F. J. (M)
Van Deusen, G. L. (F)
White, W. Jr. (A)
Young, J. A., Jr. (M)
Zahl, H. A. (F)

Fair Lawn (NNJ-2)
Bawer, L. I. (SM)
Bradburd, E. M. (M)
Brodsky, J. L. (M)
Carlin, B. (M)
Carpenter, P. J. (M)
Chao, J. (A)
Cooper, B. (M)
Diepeveen, N. (M)
Eckstein, N. A. (A)
Feit, L. (A)
Feit, L. (A)
Feit, L. (A)
Feit, E. (M)
Gaines, R. I. (M)
Gaines, R. I. (M)
Gaines, R. I. (M)
Gaines, R. I. (M)
Gaines, R. (M)
Gulack, J. G. (SM)
Hill, E. (M)
Johnson, A. C. (M)
Kaylin, R. R. (M)
Levitsky, J. (M)
Levitsky, J. (M)
Levitsky, J. (M)
Marone, P. C. (M)
Marone, P. C. (M)
Moulton, J. H. (M)
Perry, M. A. (M)
Reiby, M. (M)
Reiby, M. (M)
Rizzo, J. E. (M)
Rosenberg, L. (A)
Sachs, H. S. (A)
Schart, H. S. (M)
Schwartz, E. I. (M)
Schwartz, E. I. (M) Schwartz, E.I. Sherman, H.(A) Silver, M.(M) Smolen, A.(M) Spector, M.(A) Stein, E.(M) Torrey, L. W., Jr. (M) Zerkin, M. (M)

Fairview (NNJ-2)
Hammerle, F. H. (M)
Larena, S. F. (A)
Meo, M. (A)
Pattan, B. A. (M)

Fanwood (NNJ-2) Inwood (NNJ-2)
Henley, E. J. (A)
Hower, M. M. (M)
Isaacson, A. M., J. (A)
Roberts, D. C. (A)
Rustako, A. J., Jr. (A)
Seidel, H. (M)
Thomas, A. W. (M)
Walter, R. A. (A)
Whaley, H. R. (SM)
Wise, W. H. (SM)

Far Hills (PRI-2) HIIIs (PRI-2)
Grissler, H. W. (M)
James, D. B. (M)
Owen, R. W. (M)
Peery, W. E. (M)
Serig, H. W. (SM)

Farmingdale (NY-M-2) Hartley, J. H. (M) Rock, F. E. (M)

Fayson Lakes (NNJ-2) Duncombe, W. M. (A)

Flanders (NNJ-2) Habib, N.(M) Hauck, G.(M) Johnson, J. R.(M)

Flemington (PRI-2) Hoffmann, K.G.(M)

Florimann, K. G. KM)

Florimann, K. G. KM)

Florimann, C. M. (M)

Coonce, H. E. (M)

Fultz, K. E. (A)

Gaunt, W. B., Jr. (M)

Greenwood, T. S. (A)

Hensperger, E. S. (M)

McMolitz, H. J. (A)

Meinhoftz, H. J. (A)

Paull, M. (A)

Richardson, F. A. (A)

Simone, C. F. (M)

Sullivan, M. V. (S. M)

Tarant, S. R. (A) Tarrant, S.R.(A)

Fords (PRI-2)
Glickman, V. (M)
Goldberg, H. (M)
Gumbs, J. (A)
Helm, R. J. (A)
Hoedemaker, R. W. (M)
Kalista, S. A. (A)
Kemash. A. E. (M)
Zapotocky, A. C. (M)

Fort Dix (PRI-2)

Cort Lee (NNJ-2) Carlot (NNJ-2)
Conerly, F. L. (A)
Fris.h, F. W. (M)
George, W. P. (M)
Goldberg, S. R. (M)
Goldsman, J. L. (M) Grant, M. S. (M)
Hodde, F. W. (M)
Levy, S. Y. (M)
Lieberman, H. (M)
Nidus, L. S. (A)
Sullivan, V. J. (A)
Unold, R. W. (SM)

rt Monmouth (NY-M-2)
Bechmann, R. (SM)
Brazee, G. (SM)
Brown, H. M. (SM)
Brown, H. M. (SM)
Burke, A. L. (SM)
Cranston, R. B. (M)
Curry, D. D. (M)
Dickey, V. F. (M)
Driggs, B. W. (M)
Freibergs, E. (M)
Garber, J. F., Jr. (SM)
Garber, J. F., Jr. (SM)
Garber, J. F., Jr. (M)
Hirst, W. B., Jr. (M)
Malone, W. R. (M)
Myers, R. G. H. (SM)
Myers, R. G. H. (SM)
Rouge, L. J. D. (SM)
Standley, R. D. (M)
Thiede, H. T. (M)
Westers, J. B. (M)
Watters, J. E. (SM)
White, H. E. (M)
Wilson, J. L., Jr. (SM) Fort Monmouth (NY-M-2)

Segarra, J. (A)

Franklin Lakes (NNJ-2) nklin Lakes (NNJ-2)
Gottfried, N. J. (M)
Houghton, T. F. (M)
Piccoll, P. E. (M)
Puichlopek, E, S. (M)
Scoskle, A, T. (A)

Franklin Park (PRI-2)
Braun, M. (M)
Brown, H. R. (A)
Famiglietti, B. L. (A)
Moore, T. H. (M)

Freehold (NY-M-2) ehold (NY-M-2)
Buck, D. T. (M)
Hersh, H. J. (SM)
Kalser, E. J. (M)
Katz, S. (M)
Lawn, F. (M)
Pochmerski, D. (M)

Gerfield (NNJ-2)
Horvath, S. J. (M)
Krzych, L. J. (A)
Mayurnik, G. (A)
Mihal, J. (A)
Ozarowski, A. J. (M)
Pannaccullif, F. R. (A)
Paradise, R. Y. (M)
Puskas, W. E. (M)
Sadvary, J. W. (A)
Sukilch, W. J. (A)

Gibbsboro (PHI-3) Eliopoulos, A. J. (A) Neely, W. J. (A) Nikolayuk, N. (A)

Gillette (NNJ-2)
Kannenberg, W. F. (SM)
Rist, R. E. (M)
Rystedt, T. (M)
Spector, C. J. (M)
Turrin, R. H. (M)
Villars, C. P. (M)
Vitkovits, S., Jr. (M)

Glassboro (PHI-3)
Atherton, D. G. (M)
Deml. A. J. (M)
Katinos, L. J. (A)
Loeb, P. (M)
Rigos, D. L. (M)
Saganowich, J. T. (M)

Glendora (PHI-3) Currey, W. J. (A) Jack, D. E. (M)

Glen Ridge (NNJ-2) en Ridge (NNJ-2)
Brubaker, P. M. (M)
Dorff, L. A. (SM)
Hamilton, G. E. (SM)
Helnzerling, E. W. (M)
Hopgood, R. C. (SM)
Labort, E. A. (F)
Mandel, M. (M)
Olsen, E. U. (M)
Polyzou, J. (M)
Reveal, P. A. (M)
Tresnak, R. F. (M)
Walte, G. F. (A)

Glen Rock (NNJ-2)
Abrams, I. (M)
Bellou, F. M. (M)
Becken, E. D. (M)
Browne, R. (M)
Clark, L. E. (VA)
Cotellessa, R. F. (SM)
Fischer, L. G. (SM)
Graebner, J. C. (M)
Green, R. C. (A)
Kloster, D. E. (A) Kloster, D. E. (A)

Lotte, R. E., Jr. (M) Lukas, W. (M) McGovern, J. J. (M) Ringer, R. L., Jr. (M) Sanger, R. B. (A) Senator, R. S. (A) Singer, E. (M) Willes, R. L. (A)

Gloucester (PHI-3)
Baitz, C. K. (M)
Cornet, E. (SM)
Dunn, D. C. (M) Dunn, D. C. (M)
Fisher, D. M. (A)
Hirsch, S. C. (A)
Leung, T-C. (M)
Mosher, B. H. (M)
Osler, S. J. (M)
Quan, K-K. (M)

Great Notch (NNJ-2)
Berkley, C. (A)
Denney, J. M. (M)
Godley, P. F. (VA)
Godley, P. F., Jr. (M)

Grenloch (PHI-3)
Barton, H. R., Jr. (A)
Henuset, F, V., III (A)

Guttenberg (NNJ-2)

Brackett, J. J. (A)

Hackensack (NNJ-2)
Arclidiacono, J. (M)
Bastian, A. L. (M)
Davis, H. M. (A)
Gambuti, P. F. (A)
Helwege, G. (A)
Hirschinger, K. (M)
Kaszerman, P. (M)
Lumbert, J. S. (A)
Masalk, C. (A)
Mate, H. (M)
McKenzie, A. A. (SM)
Roemisch, J. L. (SM)
Samuelson, C. D. (SM)
Schentes, M. J. (SM)
Schentes, M. J. (SM)
Wittanen, J. C. (M)
Wylde, W. N. (M)

tkettstown (NNJ-2)
Olnzi. P.

Hackettstown (NNJ-2)
Olnz1, R. A. (A)
Glass, J. F. (A)
Oueflette, L. A. (A)

Haddonfield (PHI-3)
Achenbach, J. C. (SM)
Adams, R. L. (M)
Alter, A. C. (SM)
Alexander, E. M. (M)
Alter, A. C. (SM)
Anderson, E. I. (F)
Anderson, J. B. (M)
Andreson, J. B. (M)
Anlage, J. J. (A)
Arlan, L. (A)
Armbruster, G. J. (A)
Ashton, H. A. (M)
Ball, J. W. (M)
Balley, R. E. (M)
Balley, R. E. (M)
Bantle, D. W. (A)
Bantle, D. W. (A)
Barnon, D. K. (SM)
Barton, D. K. (SM)
Batterman, S. (A)
Bauer, W. R. (M)
Beard, A. D. (M)
Beerd, A. D. (M)
Beers, G. L. (F)
Benner, A. H. (SM)
Berge, R. G. (SM)
Berge, R. G. (SM)
Berge, R. G. (SM)
Berge, R. G. (SM)
Bowen, D. N. (M)
Binzer, C. (M)
Bowman, S. T. (A)
Bradburn, R. C., Jr. (A)
Bradburn, R. C., Jr. (A)
Bradburn, M. M. (M)
Brooks, C. L., Jr. (A)
Brown, W. J. (M)
Brown, W. J. (M)
Brown, H. W., Jr. (SM)
Brown, H. W., Jr. (SM)
Brown, M. H. (A)
Brown, H. W., Jr. (SM)
Brown, M. H. (A)
Brown, H. (A)
Campanella, M. J. (M)
Camponolano, C. N. (M)
Cashwelli, R. G., Jr. (M)
Chebtham, R. P. (M)
Chiltick, K. A. (F)
Christensen, J. L. (M)
Chiltick, K. A. (F)
Chiltick, K. A. (F)
Chiltick, K. A. (F)
Coleman, J. B. (F)
Coleman, R. E. (M)
Coleman, R. E. (M)
Coleman, J. B. (F)

Cook, M. E. (M)
Cooper, R. M., III (M)
Cooper, R. M., III (M)
Cooper, S. (M)
Cooper, S. (M)
Cooper, S. (M)
Crowley, F. D., III (SM)
Crawford, C. F. (SM)
Crooks, H. N. (SM)
Cubert, J. S. (M)
Danlels, A. J. (M)
Danlels, A. J. (M)
Danlels, A. J. (M)
Dewitt, C. C. (A)
Diehl, D. W. (M)
Desautels, G. L. (M)
Dewitt, C. C. (A)
Diehl, D. W. (M)
Dishler, J. J. (A)
Donze, D. W. (M)
Donze, D. W. (M)
Dishler, J. J. (A)
Donze, D. W. (M)
Dishler, J. J. (A)
Donze, G. W. (M)
Dishler, J. J. (A)
Donze, G. W. (M)
Dishler, J. J. (A)
Forlich, W. G. (M)
Elliott, H. M. (M)
Errisberger, R. E. (M)
Erwin, G. E. (M)
Facer, R. S. (A)
Fredak, J. F. Jr. (A)
Fedak, J. F. Jr. (A)
Forester, R. (M)
Fine, R. S. (SM)
Forester, C. A. (A)
Forte, S. R. (M)
Forester, C. A. (A)
Forte, S. R. (M)
Forster, H. B. (M)
Foster, H. B. (M)
Foster, H. B. (M)
Foster, H. B. (M)
Foster, R. S. (M)
Gallo, J. E. (SM)
Gallo, J. E. (SM)
Gallo, J. E. (SM)
Gallo, J. E. (SM)
Gersel, W. L. (M)
Gray, F. D. (M)
HIll, N. R. (M)
Halmerl, R. A. (M)
Halmerl, R. A. (M)
Halmerl, R. (M)
Harwood, L. A. (M)
Harmeling, G. C., Jr. (SM)
Hermelling, G. C., Jr. (SM)
Hermelling, G. C., Jr. (SM)
Hermelling, G. C., Jr. (SM)
Holshouser, J. R. (M)
Holshouser, J. R. (M)
Horton, J. B. (M)
Holshouser, J. R. (M)
Kampf, R. J. (A)
Kampf, R. J. (A)
Kampf, R. J. (A)
Kampf, R. J. (M)
Kalawsnik, F. (SM)
Kilawsnik, F. (SM)
Keelen, J. J. (M)
Kilawsnik, F. (SM)
Keelen, J. J. (M)
Kropp, G. W. (A)
Kruger, I. D. (M)
Kropp, G. W. (A)
Kruger, I. D. (M)
Kropp, G. W. (A)
Kruger, I. D. (M)
Koleshik, H. (M)
Korss, D. T. (M)
Lawon, L. E. (M)
Lawon, L. E. (M)
Lawon, L. E. (M)
Lawon, L. C. (M)
Krell, A. I. (M)
Keelen, H. (M)
Lawon, L. C. (Lee, R. H. (SM) Lesko, J. (M) Lev, S. N. (M) Levy, A. S. (M) Lewis, E. S. (M) Lewis, R. J. (SM) Lewis, R. J. (SM) Liebermann, J. (A) Lind, A. H. (M) Lindhelm, F. H. (M) Lindherr, G. H. (A) Lindhardt, R. J. (SM) Lisicky, A. J. (M) Lowe, M. H. (SM) Luber, L. (M) Luddy, E. N. (M) Luddy, E. N. (M) Luksch, J. A. (M) Lundgren, D. L. (SM) Lundgren, D. L. (SM) Lundgren, D. L. (SM) Lundon, J. J. (M) Lyndon, W. L. (SM) Magyarics, R. F. (A) Malor, R. P. (M)

Maldoon, L. M. (M)
Mannino, A. J. (SM)
Marnino, A. J. (SM)
Marks, T. P. (A)
Maron, I. (M)
Martin, F. F. (M)
Mascoli, V. J. (A)
Martin, F. F. (M)
Mascoli, V. J. (A)
Mathwich, H. R. (M)
Mascoli, V. J. (A)
Mathwich, H. R. (M)
Mascoli, V. J. (A)
Mathwich, H. M. (M)
Mascoli, V. J. (A)
McGaley, E. W. Jr. (M)
McGayey, E. W. Jr. (M)
McGailey, E. W. Jr. (M)
McGailey, E. W. Jr. (M)
McGayer, E. W. Jr. (M)
McGayer, E. W. Jr. (M)
Miller, C. F. (M)
Miller, C. F. (M)
Miller, G. F. (M)
Miller, C. F. (M)
Monoro, C. R. (M)
Moule, W. N. (M)
Murakami, T. (SM)
Murakami, T. (SM)
Nacke, C. C. Jr. (M)
Nacke, C. C. Jr. (M)
Noule, M. (M)
Nessmith, J. T. Jr. (SM)
Newmann, K. L. (M)
Nishimura, G. H. (M)
Noel, R. Y. M. (M)
Nosen, E. J. (A)
Nordyke, H. W. Jr. (M)
Nosen, E. J. (A)
Nordyke, H. W. Jr. (M)
Nosen, E. J. (A)
Nordyke, H. W. Jr. (M)
Peterson, D. D. (A)
Perreault, W. Jr. Jr. (M)
Peterson, D. D. (A)
Perreault, W. Jr. Jr. (M)
Peterson, D. D. (A)
Pererson, D. D. (M)
Peterson, R. A. (SM)
Peter, W. E. (SM)
Piclus, L. C. (A)
Pooths, J. B. (A)
Prick, W. E. (SM)
Rocamora, R. L. (M)
Rose, W. A. (M)
Rose, W. A. (M)
Rose, W. A. (M)
Rose, W. A. (M)
Sall, C. W. (SM)
S See, C. J. (A)
Shaoiro, L. (M)
Shaoiro, L. (M)
Shectman, M. (M)
Shettman, M. (M)
Shettonan, N. (M)
Sherdan, E. W. (A)
Siegal, M. E. (M)
Siegal, M. E. (M)
Singer, G. A. (M)
Skarbek, I. R. (M)
Skidmore, W. S. (M)
Smith, E. B. (SM)
Smith, J. N. (M)
Sonnenfeldt, R. W. (SM)
Spiegel, S. S. (M)
Stafford, R. H. (A)
Stafford, C. E. (M)
Starrer, C. J. (M)
Starrer, C. J. (M)
Starr, S. C. Jr. (M)
Stockton, E. M. (M)
Stockton, E. M. (M)
Stockton, E. M. (M)
Store, F. B. (SM)
Stover, R. A. (A)
Strickland, K. T. (M)
Sullivan, J. L. (A)
Taylor, W. E. (A)
Thomas, L. P. (SM)
Tissot, T. P. , Jr. (M)

Toscano, P. M. (SM)
Trachtenberg, R. (SM)
Traub, W. F. (M)
Trouant, V. E. (SM)
Trouant, V. E. (SM)
Truesdell, R. L. (A)
Turecki, A. (M)
Turnbull, S. W. A. (M)
Tyson, H. B. (A)
Ubben, R. C. (M)
Wahlstom, R. N. (A)
Wale, J. H. Jr. (SM)
Waldon, R. E. (M)
Walter, C. E., III (SM)
Walter, C. S. (M)
Walter, C. S. (M)
Walter, S. W. R. (M)
Warren, C. S. (M)
Wason, S. H. (SM)
Webb, R. B. (A) Toscano, P. M. (SM) Watsen, C. S. (M)
Watson, S. H. (SM)
Webb, R. B. (A)
Weir, W. T. (M)
Weis, M. Y. (M)
Weiss, M. Y. (M)
Weiss, S. L. (M)
Weiss, S. L. (M)
Weish, R. R. (SM)
Weisher, C. E. (SM)
Wenger, W. D. (SM)
Wenger, W. D. (SM)
Wentworth J. W. (M)
West, L. G. (M)
Westwood, D. H. (SM)
Wildmann, F. W. (SM)
Wildmann, F. W. (SM)
Wildmann, F. W. (SM)
Wildmann, R. C. (SM)
Wildmann, R. C. (SM)
Wildmann, R. C. (SM)
Wildmann, R. C. (SM)
Wooten, L. B. (M)
Yao, Y. L. (M)
Zoltan, I. N. (M) ŧ

Zoltan, I. N. (M)

Haddon Helghts (PHI-3)
Altel, M. L. (M)
Arowood, W. E. (M)
Aurowood, W. E. (M)
Baser, J. R. (M)
Beckhart, G. H. (M)
Bord, E. A. (M)
Bord, E. A. (M)
Carlson, D. J. (SM)
Conroy, G. J. (M)
Darnell, W. E. (SM)
Eulo, G. R. (M)
Godman, G. H. (SM)
Gunter, D. L. (M)
Hartmann, H. (A)
Harwood, F. E. (A)
Hoyle, W. E. (M)
Laighton, A. K. (M)
Laighton, A. K. (M)
Latham, N. D. (M)
Latham, N. D. (M)
Latham, N. D. (M)
Latham, N. D. (M)
McMorrow, C. F. (M)
Moore, E. E. (M)
Pan, W. Y. (F)
Parker, J. R. (M)
Phillips, C. R. (M) Pan, W. Y. (F)
Parker, J. R. (M)
Phillips, C. R. (M)
Solomon, K. (M)
Steoger, J. E. (A) (M) Wolf, L. (SM) Woll, H. J. (SM)

Hamburg (NNJ-2) Tomey, J. G. (M)

Hamilton Square (PRI-2) Edwards, L. M. (A) Miller, J. C. (M) Pantuso, A. J., Jr. (M)

Hammonton (PHI-3) Reber, P. W. (A)

Hanover (NNJ-2) over (NNJ-2)
Byrne, E.R. (M)
Conway, W.H. (M)
Doll, W.E. (M)
Leonard, T.H. (M)
Wunch, E.R.P. (M)

Harbourton (PRI-2) Reed, R. D. (SM)

Harrington Park (NNJ-2) Aron, M. (SM)
Burruano, S. J. (SM)
Vieth, W. G. (M)

Jurruano, S. J. (SM, Vieth, W. G. (M)

Harrison (NNJ-2)
Austin, W. M. (M)
Bahls, W. E. (SM)
Bertin, E. P. (M)
Burke, L. P. (M)
Burmap, R. S. (F)
Carrona, J. J. (M)
Cimorelli, J. T. (SM)
Crammer, W. S. (SM)
Ounn, R. F. (M)
Eberly, H. L. (SM)
Freedman, N. S. (SM)
Gutowski, J. L. (SM)
Hrilinger, J. F. (SM)
Johnk, O. (A)
Kauzmann, A. P. (SM)
Kelly, R. L. (SM)

Levine, B. (M)
Maguire, J. T. (M)
Maguire, J. T. (M)
McElwee, E. M. (SM)
McMurrough, R. W. (M)
McPartland, J. F. (A)
Mead, W. H. (M)
Meyer, C. A. (SM)
Middings, S. (M)
Morris, C. M. (SM)
Nelson, J. N. (M)
Novagnodzki, M. (M)
Perkins, T. B. (M)
Reusch, R. K. (M)
Rose, G. M., Jr. (F)
Scholz, L. C. (M)
Shaw, G. R. (F)
Shuttleworth, E. (A)
Smith, D. Y. (SM)
Stein, V. J. (M)
Troy, E. M. (M)
Troy, E. M. (M)
Wanchow, J. J., Jr. (M)

Hasbrouck Heights (NNJ-2)
Bucholtz, M. N. (M)
Drew, R. E. (A)
Henn, W. (M)
Lasch, W. H. (M)
Lazos, N. J. (A)
Nagl, J. L. (M)
Zoref, A. S. (A)

Haworth (NNJ-2) Clausen, R. W., Jr. (M) Guy, R. F. (F) Osbom, P. H. (M) Terry, F. B. (A)

Hawthorne (NNJ-2) Carlson, E. S. (M) Constantin, L. L. (M) Madle, P. J. (SM)

Hazlet (NY-M-2)
Angel, K. W. (M)
Bryson, W. B. (M)
Hancock, G. H. (A)
Harries, W. (M)
Morgan, R. L. (M)
Przybylski, T. P. (A)
Vernon, R. R. (M)

High Bridge (PRI-2) Bartles, E. K. (A)

Highland Park (PRI-2)
Bocchieri, A. J. (A)
Goldin, S. M. (M)
Lipnick, R. (M)
Motony, D. A. (SM)
Nelson, J. L. (M)
Stephenson, M. L. (A)

Highlands (NY-M-2) Ferrar, R. C. (SM) Rohrle, T. A. (A)

Highlands Air Force Station (NY-M-2) Kom, W. (M)

Hightstown (PRI-2) Bowker, J. D. (M) Marriner, A. W. (M) Murr, J., Jr. (A)

Hillsdale (NNJ-2)
Crooke, A. W. (A)
Conroy, R. J. (M)
Klein, M. E. (M)
Lapham, F. K., Jr. (A)
Marsh, C. O., Jr. (M)
Sullinger, W. B. (SM)
Teltler, A. (SM)

Hillside (NNJ-2)
Aleixo, A. (M)
Breunig, J. J. (M)
Cohen, H. (M)
Hood, C. N., II (SM)
Hrusovsky, S. (A)
Kahant, C. G. (A)
Wilner, G. (A)
Zentmaler, K. H. (M)

Hoboken (NNJ-2)
Ficken, W. H. (M)
Gilmore, A. C., Jr. (M)
Hahn, R. F. (M)
Hauser, E. B. (M)
Koenig, H. C. (M)
Merrill, L. L. (SM)
Rossl, S. (A)
Shouri, J. C. (M)
Simberkoff, J. A. (A)
Sullivan, W. L. (SM)

Hohokus (NNJ-2) Ebersol, E.T., Jr. (M) Mangels, L.A. (A) Markus, J. (SM) Saul, E.R. (M) Seggebruch, R. L. (A) Spaulding, H. K. (A)

Holmdel (NY-M-2) De Lange, O. E. (M) Marcatili, E. A. J. (M) Hopewell (PRI-2) Presser, A. (M) Townsend, C. C., Jr. (M)

Interlaken (NY-M-2) Krassner, G. N. (M) Todd, W. (M)

Ironia (NNJ-2)
Brown, R. E. (M)
Fogarty, L. L. (A)
Markle, R. E. (M)
Walss, A. A. (A)

W:lss, A. A. (A)

Irvington (NNJ-2)
Angello, J. P. (M)
Baron, H. M. (M)
Barosin, S. (M)
Caspar, C. W., Jr. (M)
Goldberg, D. L. (A)
Goldshine, A. D. (M)
Gropp, B. P. (M)
Heber, J. F. (M)
Hibbett, R. M. (M)
Huettl, K. W. (A)
Kosmaczewski, I. (M)
Melsel, H. R. (M)
Melser, P. T. (M)
Mommo, E. J. (VA)
Nesselroth, M. D. (M)
Stevens, Z. J. (M)
Sutton, R. H. (A)
Walters, W. L. (M)
Iselin (PRI-2)

Iselin (PRI-2)
Fryer, W. R. (M)
Kyedaras, A. P. (M)
Libes, S. (A)

Jersey City (NNJ-2)
Balter, L. (M)
Bemsteln, E. (A)
Brogan, J. M. (M)
De Rosa, J. J., Jr. (A)
Faber, M. J., Jr. (A)
Faber, M. J., Jr. (A)
Gaudlosi, J. V. (A)
Gaudlosi, J. V. (A)
Graul, G. D. (M)
Hawkins, F. T. (A)
Howeli, W. J. (SM)
Israel, D. D. (F)
Kunin, L. (M)
Lee, T. J. (M)
Lee, T. J. (M)
Loiterman, L. (M)
Marchand, O. P. (A)
McAndrew, T. V. (M)
Olin, R. P. (M)
Polcyn, S. J., Jr. (M)
Putt, D. R. (A)
Raffel, L. (A)
Scherzer, K. (M)
Seel, M. (A)
Sickles, C. E. (A)
Slurzberg, N. (A)
Smith, J. A. (M)
Swetluk, S. (M)
Tenten, R. C. (A)
Wormcke, W. (M)
Yaworsky, Y. J. (M)
Yaworsky, Y. J. (M)
Yurechko, J. J. (A)

Keamy (NNJ-2)
Belamarich, J. P. (M)
Bondon, L. A. (SM)
Gerulat, T. G. (A)
Helwig, W. J. (SM)
Lewis, R. F. (M)
McCaffery, W. W. (M)
McKeon, E. F. (M)
Percival, W. R. (SM)

Keasbey (PRI-2)
Albers-Schoenberg , E. (SM)
Snyder , C. L. (SM)

Kenilworth (NNJ-2) Gams, T. C. (M) Mayer, J. H. (A) McCarroll, A. K. (A)

Kenvil (NNJ-2) Lanning , H. E. (M) McIntyre , J. W. (A)

Keyport (NY-M-2)
Bernhardt, W. L. (M)
Blumberg, L. (M)
Schlaack, N. F. (SM)
Schmelling, A. M. (A)
Slobodin, L. (M)
Tetreault, N. E. (M)

Kinnelon (NNJ-2) Gaw, N. W. (M)

Lake Hiawatha (NNJ-2)
Bremer, H. A. (VA)
Calzaretta, R. G. (M)
Greenberg, A. H. (M)
Obee, R. A. (A)
Rosenbusch, F. (A)

Lakehurst (NY-M-2) Kapeohlan , R . H . (M) Lake Parsippany (NNJ-2) Nasto, S. N. J. (A)

Lake Pine (PHI-3) Gavinski, V. A. (M)

Lake Rockaway (NNJ-2) Saxe, H. A. (A)

Lakewood (NY-M-2) Bell, J. (A) La Cava, E. (A) Ringel, M. (A)

Laurel Springs (PHI-3) Coffey, E. W. (M) Smith, W. J. (A)

Laurelton (NY-M-2) Kasper, H. W. (A) Vorwerk, F. A. (A)

Lawrenceville (PRI-2)
Kihn, H. (SM)
Olive, G. A. (M)
Snedeker, E. K., Jr. (M)

Lebanon (PR1-2)
Daskam, S. W. (M)
Mortimer, A. J. (M)

Lenonia (NNJ-2)
Burger, F. J. (A)
Christie, F. W. (M)
Dietsch, C. G. (SM)
Grube, W. O. (M)
Kennedy, T. R., Jr. (SM)
Kerman, M. (M)
Klenk, R. L. (M)

Levittown (PHI-3)
Amemiya, H. (M)
Cox, A. L. (M)
Davis, R. S. (M)
Goldberg, M. L. (A)
Goldman, H. B. (A)
Kreitzer, H. M. (A)
Mayhew, T. R. (M)
Mogensen, H. (M)
Mohr, H. F. (M)
Riley, R. L. (A)
Srolovitz, H. R. (A)
Yattos, G. P. (M)

Lincoln Park (NNJ-2) Quinlan, D. E. (A)

Lincroft (NY-M-2)
Bawden, H. G. (M)
Ceres, G. V. (A)
Duffy, J. P. (M)
Kroehs, A. R. (A)
Sher, H. T. (M)
Wagner, L. H. (M)

Linden (NNJ-2)
Braun , L , (A)
Garshelis , I , J , (A)
Gladden , C , J , (A)
Goldstein , M , I , (A)
Jordan , C , J , (M)
Kashork , E , F , (M)
Levin , R , M , (A)
Macovski , A , (SM)
Meyer , S , F , (M)
Poarch , M , F , (M)
Redd , T , M , (M)
Riley , G , B , (SM)
Tumer , C , R , (M)
Wexler , B , (A)

Lindenwold (PHI-3) Murdock , W. G. (A)

Linwood (PHI-3)
Rogers, D. C. (M)
Russell, C. M. (SM)
Saadeh, D. (M)
Shanteau, N. G. (M)

Little Falls (NNJ-2)
Beukers, J. M. (M)
Bluhm, R. W. (A)
Bondy, J. O. (A)
De Ryder, H. (VA)
Edwards, R. A. (M)
Hintikka, I. (M)
Heettner, O. A. (M)
Nord, H. H. (M)
Russo, O. L. (A)
Thiergartner, G. J. (A)
Turkhelmer, P. M. (M)

Little Ferry (NY-M-2) Rostan , R. J. (M)

Rostall, R.J. (W)

Brogeson, C. A. (SM)

Bracken, J. R. (M)

Brueckmann, H.L. (F)

Butler, H. (M)

Craig, L. H. (SM)

Daniels, F. B. (SM)

Fox, K. H. (SM)

Goldsmith, B. M. (SM)

Griffiths, R. J. (SM)

Havel, J. M. (M)

Jensen, A. M. (M)
King, H. D. (SM)
Klenk, L. M. (SM)
Krevsky, S. (SM)
Lowry, L. R. (SM)
Mack, A. (M)
Miller, L. (SM)
Morris, M. M. (SM)
Paschetto, E. J. (M)
Pick, L. A. (M)
Pick, L. A. (M)
Poteet, D. P. (VA)
Reynolds, M. R. (M)
Sharp, C. E. (SM)
Shlve, S. L. (SM)

Sharp, C. E. (SM)
Sharp, C. E. (SM)
Shlve, S. L. (SM)
Shlve, S. L. (SM)
Livingston (NNJ-2)
Augenblick, H. A. (M)
Baker, D. (A)
Bishop, J. B. (SM)
Bogner, I. (SM)
Brockhuysen, W. C. (SM)
Cunningham, T. M. (M)
Cunningham, T. M. (M)
Fenstein, J. (M)
Fenstein, J. (M)
Fressola, B. C. (A)
Galanty, H. (SM)
Hatch, R. W. (M)
Hatch, R. W. (M)
Hetherington, R. W. (A)
Hoeh, F. W. (M)
Hoemer, E. F. (M)
Jandoli, L. R. (M)
Kafalas, C. (M)
King, J. H., Jr. (M)
Konacher, G. (SM)
Kulik, V. A. (M)
Mawhinney, D. D. (M)
Membury, P. J. (M)
Mennle, J. H. (M)
Newman, L. (A)
Nordlin, H. G. (SM)
Normando, N. J. (M)
Ost, S. B. (M)
Plouffe, R. L., Jr. (SM)
Prawdzik, C. A. (M)
Richardson, A. L. (M)
Stelnboff, R. (M)
Steln

Lodi (NNJ-2)
Booth, H. H. (M)
Brand, E. G. (M)
Burkey, E. L. (M)
Conrad, R. J. (M)
Doniger, J. (M)
Edelman, G. (M)
Gage, L. W. (A)
Geleruter, A. (M)
Jackson, E. B. (M)
Meyer, R. W. (M)
Seda, O. L. (A)
Sidari, P. J. (A)

Long Branch (NY-M-2)

Adamson, A. L. (SM)
Alexander, J. M. (M)
Alexander, J. M. (M)
Balton, I. A. (M)
Bart, H. (M)
Barv, H. (M)
Barv, H. (M)
Brown, A. (SM)
Caldwell, W. C. (SM)
Christianson, L. F. (SM)
Coffin, W. W. (A)
Coulboum, D. W. (M)
Dwin, D. (A)
Eaton, K. O. (M)
Gail, R. C. (A)
Gelemter, B. (M)
Gougoulis, G. H. (M)
Grubman, S. (M)
Haner, H. (SM)
Haner, H. (SM)
Haner, H. (SM)
Haner, H. (SM)
Haner, R. A. (A)
Humbel, B. F. (M)
Inslemman, H. E. (M)
Kravitz, M. L. (M)
Marsh, C. J. (M)
Martinson, F. L. (SM)
Matlinson, F. L. (SM)
Matlinson, F. L. (SM)
Martinson, F. L. (SM)

Silva, A. A. (M) Smlth, P. O., Jr. (A) Swan, R. A. (A) Theibault, J. E. (A) Trouard, R. L. (M) Ulfers, H. E. (M) Weinstock, M. (A)

Long Valley (NNJ-2) Stiles, M. G. (M)

Lyndhurst (NNJ-2) Cucci, M. J. (M) Di Stadio, D. (M) Domanico, P. T. (M) Friberg, V. (A) Horbach, S. (M) Kelmis, K. J. (A) La Medica, K. O. (A) Robinson, G. D. (A) Rucki, D. H. (M)

Madison (NNJ-2)
Alexander, E. J. (M)
Aster, A. K. (M)
Bamey, H. L. (SM)
Carter, H. T. (SM)
Coutlas, R. A. (A)
Cude, H. H. (A)
D'Asaro, L. A. (M)
Dimock, P. V. (SM)
Elock, C. C. (A)
Elis, B. T., Jr. (SM)
Grantges, R. F. (M)
Gross, F. J. (M)
Hartzell, J. W. (M)
Howard, E. J. (SV)
Lanford, L. D. (A)
Lupera, A. L. (M)
Livera, A. L. (M)
Livera, A. L. (M)
Martio, J. A. (M)
Melville, J. R. (A)
Muller, E. E. (M)
Melville, J. R. (A)
Muller, F. T. (M)
Oster, F. J. (M)
Os

Magnolia (PHI-3)
Bretz, R. E. (M)
Guertin, R. J. (M)
Holt, J. M. (M)
Lawton, R. S. (M)

Mahwah (NNJ-2)
Constantine, A. (A)
Constantine, P. M. (A)
Humphrey, R. M. (M)
Nelli, W. E. (M)
Sielski, A. T. (M)

Manahawkin (NY-M-2) Taylor, J. W. (A)

Manasquan (NY-M-2) Cline, D. E. (M) May, M. M. (M) Teetsel, W. P. (M)

Manasquan Park (NY-M-2) Glbbons, D. R. (M)

Maple Shade (PHI-3)
Freed, A. J. (M)
Hoover, E. W. (M)
Kembr, B. E. (M)
Keys, D. D. (A)
Kramer, N. R. (M)
Matonak, L. A. (M)
Morgan, W. L. (A)
Nauberelt, H. (M)
O'Donnell, J. J. (M)
Parmer, M. E. (M)
Ramsell, J. L. (M)
Rosenblatt, M. (M)
Scheuer, H. Jr. (M)
Singleback, G. W. (A)
Small, H. E. (A)

Maplewood (NNJ-2)
Almquist, M. L., Jr. (M)
Barkley, H. F. (M)
Borden, D. C. (M)
Cohen, D. (M)
Dickey, D. W. (SM)
Fromer, M. (M)
Gardner, P. S. (A)
Hankinson, F. K. (SM)
Hazeltine, A. L. (F)
Helfrich, J. H. (M)
Humphrey, H. C. (M)

Koskos, P. (SM)
Murphy, W. F., Jr. (M)
Dswald, A. A. (F)
Prosser, T. C. (A)
Pruden, H. M. (SM)
Schulz, W. J. (A)
Sherman, A. E., Jr. (A)
SteInmetz, C. M. (M)
Vance, H. C. (SM)
Wallenstein, J. P. (M)
Wilhelm, J. F. (SM)
Youngstrom, N. C. (M)

Margate (PHI-3) Justman, S. (M)

Margate City (PHI-3) Thron , B . K . (M)

Marlboro (NY-M-2) Bernard, J. L., Jr. (VA) Hindin, A. (A)

Mariton (PHI-3)
Barber, F. H. (M)
Brown, B. W. (A)
Cochran, S. W. (SM)
Franke, J. L. (SM)
Fulroth, W. H. (M)
Garott, L. D. (M)
Gaskill, M. L. (A)
Glauberman, M. H. (M)
Koch, W. R. (F)
Shaffer, R. C. (M)
Thowless, E. A. (A)

Masonville (PHI-3) Lesser, R. H. (SM)

Matawan (NY-M-2) Ronson, H. T. (A Stout, J. E. (M) . (A)

Mays Landing (PHI-3) Van Dyke, C. H. (M)

Maywood (NNI-2) wood (NNJ-2)
Fichtl, R. R. (A)
Halpern, E. L. (M)
Koehler, J. A. (M)
Savisaar, A. (M)
Selbert, J. L. (SM)
Shapiro, S. (M)

Medford (PHI-3) Hess, W. J. (A) Malvin, M. A. (A) Welse, D. S. (M)

Medford Lakes (PHI-3) Clchon, H. P. (M) Fink, W. R. (M) Frazier, R. M. (M) Liddle, R. W., Jr. (A) McCoy, J. W. (M) Snyton, S. A. (A) Stepchiw, J. (A)

Mendham (NNJ-2) udham (NNJ-2)
Brooks, R. E. (M)
Halline, E. G. (A)
Hires, J. B. (M)
Lewls, W. D. (F)
Murray, J. L. (M)
Dng, F. C. (SM)
Poclus, C. F. (A)
Saltus, G. E. (A)
Wilder, K. T. (M)
Wilder, K. T. (M)
Wintermitz, T. W. (M)

Merchantville (PHI-3) Andrough (First)
Abeyta, J. (M)
Andrews, D. R. (M)
Bardett, T. L. (M)
Bartlett, T. L. (M)
Barbarder, P. E. (M)
Blasberg, L. A. (SM)
Cafeno, J. A. (M)
Carey, G. R. (M)
Coston, H. E. (SM)
Darling W. (M)
Deal, H. B. (SM)
Deal, H. B. (SM)
Deal, H. B. (SM)
Deal, H. B. (SM)
First, C. (M)
Farkas, C. E. (M)
Farkas, C. E. (M)
Farkas, C. E. (M)
Galloy, P. (SM)
Galloy, P. (SM)
Gewant, S. (SM)
Gewant, S. (SM)
Glimore, W. C. (A)
Gilmore, W. C. (A)
Gilmore, W. C. (A)
Graham, R., Jr. (SM)
Groff, J. H. (M)
Halpern, H. M. (M)
Heacock, R. M. (M)
Heacock, R. M. (M)
Heacock, R. M. (M)
Lawence, W. (SM)
Lawence, W. (SM)
Lawence, W. L. (SM)
Lawence, W. L. (SM)
Lawence, W. L. (SM)
Lawence, W. L. (VA) Layer, J. H. (A)
Lending, R. D. (A)
Llewellyn, A. D. (M)
Luther, A. C., Jr. (M)
MacDemild, B. W. (A)
Malpass, D., Jr. (M)
Marsh, D. R. (M)
Mayer, L. J. (A)
Miller, J. P. (VA)
Mittelman, W. (M)
Musto, W. C. (M)
Dman, N. J. (M)
Patterson, E. B. (SM)
Pendred, C. R. (M)
Quinn, W. H. (M)
Reese, J. S. (VA)
Sanborn, J. W. (SM)
Schaeth, S. (M) Sanborn , J. W. (SM)
Schach, S. (M)
Schach, S. (M)
Schwartz, A. J. (M)
Shepherd, R. C. (A)
Sheppard, W. H. (M)
Stokes, P. F. (M)
Stokes, P. F. (M)
Stokes, P. F. (M)
Story, T. H. (SM)
Swierczak, P. C. (SM)
Thompson, L. E. (F)
Trinkle, R. C. (A)
Vonderschmitt, B. V. (A)
Warren, M. V. (A)
Weltz, M. K. (M)
Wuerffel, H. L. (SM)
Young, J. E. (SM)

Metuchen (PRI-2) tuchen tyeri-2,
Aderente, A. A. (M)
Becchina, J. A. (M)
Becchina, J. A. (M)
Bremton, C. H. (SM)
Cook, R. W. (M)
Dineen, J. J. (M)
Downie, D. E. (M)
Femstrom, C. H. (M)
Femstrom, C. H. (SM)
Gridl, C. (A)
Hasseler, P. R. (M)
Hautzlk, R. M. (SM)
Heffron, C. B. (M)
Jordan, J. P. (SM)
Kasner, E. (M)
Kasner, E. (M)
Kedrowsky, C. (SM)
Kedrowsky, C. (SM)
Kedrowsky, C. (SM)
Kemelson, J. H. (A)
Lemelson, J. H. (A)
Lemelson, J. H. (A)
Lemelson, J. H. (A)
Lemelson, J. H. (A)
Lemer, C. T. (M)
Mac Donald, A F. (SM)
McClane, C. T. (M)
Sampson, F. A. (A)
Scheer, F. H. (SM)
Schiffmayer, G. F. (M)
Schiffmayer, G. F. (M)
Schiffmayer, G. F. (M)
Staffin, R. (A)
Thomas, D. G. (M)
Toft, H. L. (M)
Wasselin, C. (M)
Wasselin, C. (M)
Wisselin, C. (M)
Williaman, D. (SM)
Staffin, R. (A)
Thomas, D. G. (M)
Toft, H. L. (M)
Wasseman, J. (A)
Wesaver, B. M. (A)
Welkowitz, W. (M)
Whitney, G. H. (A)

Middlesex (PRI-2) Guerino, M. (M)
Hans, M. W. (M)
King, M. L. (A)
Schreiber, D. P. (i
Warren, R. E. (A) . (M)

Middletown (NY-M-2) ddletown (NY-M-2)
Baumann, D. A. (M)
Brenner, M. M. (M)
Clark, H. R. (M)
Hayes, F. A. (A)
Keen, H. J. (A)
Keen, H. J. (A)
Luebbert, W. F. (SM)
Markin, J. E. (M)
Mikkelsen, W. R. (A)
Miller, S. E. (F)
Pallett, H. E. (M)
Stanley, A. M. (M)
Wyman, J. H. (SM)

Midland Park (NNJ-2)
Bertram, H. A. (A)
Brophy, W. T. (A)
Ellison, B. (M)
Solms, S. J. (M)
Swanson, V. D. (A)

Millbum (NNJ-2)
Balley, A. (F)
Bown, R. (F)
Freeman, R. H. (A)
Halstead, W. K. (SM)
Higgins, W. H. C. (SM)
Johnson, J. B. (F)
Linn, G. A. (M)
Maurushat, J., Jr. (M)
Mazer, W. M. (SM)
Morris, R. M. (F)
Shackleton, S. P. (SM)
Strieby, M. E. (SM)

Millington (NNJ-2) Ilington (NNJ-2)
Alexander, A. A. (M)
Boschen, A. C. (M)
Boschen, A. C. (M)
Dettman, M. C. (M)
Drenick, R. (SM)
Frost, H. B. (M)
Harrlson, C. W. (M)
James, G. W. (M)
Schwenker, J. E. (M)

Monmouth Beach (NY-M-2) Ballato, A. D. (M) Menzel, H. W. (M)

Montclair (NNJ-2) ntclair (NNJ-2)
Baker, C. I. (SM)
Baudin, J. A. (A)
Baudin, J. A. (A)
Baudin, J. A. (A)
Busignies, H. (F)
Corradi, F. J., Jr. (A)
Combie, K. F. (A)
Dooley, M. N. (M)
Du Bois, J. H. (SM)
Freeman, L. C. (M)
Gage, W. M. (A)
Goodfriend, L. S. (SM)
Hamon, H. D. (M)
Haynes, H. S. (M)
Hillman, S. (M)
Johnson, R. E. (M)
Johnson, R. E. (M)
Johnson, R. E. (M)
Johnson, R. E. (M)
Mothin, C. W. (M)
Kirchner, K. F. (SM)
Lane, F. A. (M)
Maginnis, W. J. (M)
Maginnis, W. J. (M)
Maginnis, W. P. (SM)
Miller, H. P. , Jr. (SM)
Dran, W. H. (SM)
Peck, J. L. (M)
Razdow, A. (M)
Rose, F. C. (M)
Schmookler, M. S. (M)
Sprague, V. G. (M)
Townsend, R. L. (A)
Trackman, J. C. (M)
Vosburgh, M. C. (SM)
Welss, W. I. (M)
Welss, W. I. (M)
Welss, W. I. (M)
Welss, W. I. (M)
Vosburgh, M. C. (SM)
Wolff, F. M. (M)
Yamagami, Y. (M)
Zitzmann, F. R. (M)

Montvale (NNJ-2) Corcoran, D. G. (M)
Hoyns, G. W., Jr. (A)
Nelson, B. W. (M)
Scherer, D. R. (M) Taylor, H., Jr. (A)

Montville (NN.I-2) Atwood, H., Jr. (M) Higgins, L. A. (A) Rathjen, P. (M)

Moonachie (NNJ-2) Barnes, D. B. (M) Mason, H. J., Jr. (A)

Moorestown (PHI-3)

orestown (PHI-3)
Alexander, W. R. (M)
Anderson, T. E. (A)
Anderson, W. G. (M)
Androso, L. R. (A)
Baker, H. F. (M)
Baker, R. H. (SM)
Ballentine, E. C. (SM)
Ballentine, E. C. (SM)
Buchern, J. P. (M)
Buchern, T. T. N. (M)
Buchern, T. T. N. (M)
Buchern, S. H. (M)
Buth, R. (M)
Colman, J. T. (M)
Comman, L. C. (J. (M)
Comman, L. C. (J. (M)
Comman, D. R. (M)
Corum, D. Foley, A, A, (A)
Gibo, E, (A)
Gillesoie, H, C, (M)
Graham, M, L, (SM)
Greenwood, H, T., III (SM)
Grossman, H, W, (M)
Gruber, R, (M)
Hadlock, W, D, (SM)
Hammel, D, G, (M)
Hannan, W, J, (M)
Harnett, E, J, (M)
Hawley, M, E, (SM)
Heinly, W, A, (M)
Herbst, P, J, (F)
Hinckley, R, H, (SM)
Hodge, W, H, (M)
Hodes, B, (SM)
Hodes, B, (SM)
Hodes, G, C, (M)
Howery, R, W, (M) Ireland, F. H. (SM)
Jackson, A. (A)
Jackson, A. (A)
Jackson, A. (A)
Jacobs, L. (M)
Jacobs, L. (M)
Jose, R. S. (M)
Kanter, I. (M)
Kino, S. M. (A)
Kino, S. M. (A)
Kino, S. M. (A)
Kino, S. M. (A)
Kilday, J. C. , III (M)
Korman, N. I. (F)
Krouoa, H. F. (M)
Laurilat, P. R. (M)
Laurilat, P. R. (M)
Lewis, W. P. (M)
MacQuenee, P. H. (SM)
Mathews, E. W., Jr. (M)
McCall, E. G., Jr. (M)
McCall, E. G., Jr. (M)
McCall, E. G., Jr. (M)
McCulley, J. M. (A)
Mertens, L. E. (M)
McCulley, J. M. (A)
Mertens, L. E. (M)
Mills, H. J. (M)
Morison, W. C. (SM)
Moll, A. P. (A)
Morrison, W. C. (SM)
Moll, A. P. (A)
Morrison, W. C. (SM)
Moll, A. P. (A)
Morrison, W. C. (SM)
Moll, A. M. (M)
Nagle, J. J. (M)
Pales, M. H. (SM)
Palm, K. E. (SM)
Palm, K. E. (SM)
Palmer, J. B., (M)
Palester, J. (M)
Poch, W. J. (F)
Porter, J. W. (M)
Porter, J. W. (M)
Porter, J. R. (M)
Renfrow, R. J. (M)
Rettenmeyer, F. X. (F)
Robinson, J. E. (M)
Rodman, M. D. (M)
Rodman, M. D. (M)
Rodman, M. D. (M)
Rodman, M. D. (M)
Sobolewski, F. (M)
Sobole

Morgan (NNJ-2) D'Connor, E. J. (A)

Lavole, S. D. (A)

Morris Plains (NY-M-2)
Lavole, S. D. (A)

Morris Plains (NNJ-2)
Andrews, R. J. (M)
Blair, B. W. (M)
Brown, V. L. (M)
Cambell, M. E. (SM)
Dougherty, H. J. (M)
Freeman, W. C., Jr. (SM)
Gibbon, J. (M)
Gretsch, W. R. (M)
Hofmann, H. R. (M)
Johannesen, J. D. (M)
King, G. L. (M)
Linhart, D. J. (M)
Nyberg, R. G. (SM)
Raddin, F. M. (A)
Reynolds, R. B. (M)
Rhoden, V. C., Jr. (M)
Robertson, J. P. (M)
Schauler, V. A. (A)
Toroey, G. J. (A)
Toroey, G. J. (A)
Townley, R. C. (M)
Underwood, M. D. (A)
Vareland, J. B. (A)
Waltuch, E. (M)
Wantuch, E. (M)
Wehr, K. C. (M)
World, A. E., Jr. (SM)
Young, J. M. (M)
or Istown (NNJ-2)
Raldeland, J. B. (SM)

Morristown (NNJ-2) ristown (NNJ-2)
Baldwin, J. M. (M)
Bara, S. (M)
Bethge, C. E. (M)
Bohning, J. R. (M)
Caprarola, L. J. (M)
Cohen, R. M. (SM)
Cooper, D. I. (SM)

Crowell, M. H. (M)
Davis, C. G. (M)
Ehrlich, N. (SM)
Elglin, J. H. (M)
Evans, P. H. (F)
Filmer, W. L. (M)
Gerth, J. H. (SM) Gerth, J. H. (SM)
Glithens, J. A. (M)
Goldrarb, S. (NO)
Hagelbarger, D. (M)
Hamelbarger, D. (M)
Hamelbarger, D. (M)
Harris, J. R. (M)
Holcomb, W. G. (M)
Holcomb, W. G. (M)
Howard, W. A. (M)
Leninon, F. W. (M)
Leninon, F. W. (M)
Leninon, F. W. (M)
Leninon, F. W. (M)
Mobaniel, W. J. (M)
Mobaniel, W. J. (M)
Mobaniel, W. J. (M)
Mory, A. E. (M)
Mory, R. M. (M)
Peskin, E. (SM)
Peterson, R. B. (M)
Poole, N. K. (A)
Poole, N. K. (A)
Porow, J. (M)
Peterson, R. B. (M)
Poole, N. K. (A)
Slana, M. F. (M)
Siana, M. F. (M)
Strong, W. A. (M)
Strong, W. A. (M)
Strong, W. A. (M)
Strong, W. A. (M)
Van Beuren, J. M. (A)
Voeller, R. F. (M)
Waleckil, V. (M)
Willett, R. J. (M)
Waleckil, V. (M)
Willett, R. J. (M)
Waleckil, V. (M)
Willett, R. J. (A)

Intain Lakes (NNJ-2)
Armstrong, J. H. (M)
Bareiss, M. (SM)
Beck, R. J. (M)
Beck, R. J. (M)
Beck, R. J. (M)
Doenmus, J. A. (SM)
Cabel, W. (M)
Doughes, R. W. (SM)
Jackson, F. R., Jr. (SM)
Jackson, F. R., Jr. (SM)
Jenny, H. K. (SM)
Leef, G. R. (M)
Locke, A. S. (SM)
Marble, F. G. (SM)
Marble, F. G. (SM)
Marble, F. G. (SM)
Nordstrom, B. H. (SM)
Noves, A. Jr. (SM)
Dsterland, E. (SM)
Sterland, E. (SM)
Webster, F. D. (SM)
West, J. M. (SM) Mountain Lakes (NNJ-2)

Mountainside (NNJ-2) imainside (MNJ-2)
Anderson, T. N. (SM)
Browne, G. W. (M)
Knlazuk, M. (M)
Marx, A. F. (M)
Rowe, H. C. (SM)
Vreeland, W. E. (A)
Wagner, S. J. (SM)

Mount Ephraim (PHI-3) Anzalone, P. J. (M) Dalber, E. M. (A) Taylor, J. M., Sr. (M)

Taylor, J. M., Sr. (M)

Mount Holly (PHI-3)
Blau, W. (A)
Cornell, J. A. (SM)
Custer, C. W. (M)
Dressler, J. W. (M)
Fessler, J. W. (M)
Fogelberg, A. E., Jr. (SM)
Goldberg, E. (M)
Gorman, J. (M)
Griffith, B. D. (M)
Gubin, S. (SM)
Gubn, D. K. (M)
Heyer, E. M. (A)
Johnson, M. C. (M)
Langelo, V. A. (A)
Love, K. E. (A)
Pruitt, D. L. (SM)
Taylor, J. R. (A)

Mullica Hill (PHI-3) Siddall, W. J. (M)

Murray Hill (NNJ-2) Aaron, M. R. (M) Aaronson, D. (A) Abbott, H. H. (SM)
Abraham, L. G. (F)
Allen, T. E. (SM)
Andrews, F. T., Jr. (M)
Andrews, F. T. (A)
Armstrong, F. O. (M)
Badgley, R. H. (SM)
Baldwin, G. L. (SM)
Baldwin, G. L. (SM)
Baldwin, G. L. (SM)
Barnett, W. T. (M)
Barstow, J. T. (SM)
Barrett, W. T. (M)
Barstow, J. M. (F)
Bishop, W. M. (A)
Blacker, G. E. (SM)
Becker, G. E. (SM)
Bennett, W. R. (F)
Bishop, W. M. (A)
Black, D. M. (SM)
Biesch, F. K. (SM)
Bowsch, F. T. (M)
Bomba, J. S. (A)
Bowker, M. W. (A)
Brdges, T. J. (M)
Brown, A. B., Jr. (M)
Brown, A. B., Jr. (SM)
Brown, A. B., Jr. (SM)
Brusson, R. B., J. (M)
Bullington, K. (F)
Bullington, K. (F)
Bullock, D. B. (M) Burlindon, K. (F)
Bulliock, D. B. (M)
Bullindon, K. (F)
Bulliock, D. B. (M)
Burford, T. M. (M)
Carbrey, R. L. (M)
Carbsey, R. L. (M)
Carlson, D. E. (M)
Chapman, R. C. , Jr. (A)
Chisholm, D. A. (A)
Chisholm, D. A. (A)
Chisholm, D. A. (M)
Church, S. E. (M)
Clement, F. J. (M)
Clement, F. J. (M)
Cleweland, H. M. (M)
Cocker, J. T. (M)
Cocker, J. T. (M)
Cook, J. S. (M)
Cornell, W. A. (M)
Cranna, N. G. (M)
Crawford, R. V. (SM)
Crowley, T. H. (M)
Cornell, W. A. (M)
Cranna, N. G. (M)
Crawford, R. V. (SM)
Crowley, T. H. (M)
Dacey, G. C. (SM)
Daggett, E. H. (M)
Daggett, E. H. (M)
Day, C. M. (Jr. (M)
De Grasse, R. W. (M)
Dennis, F. R. (N)
Dennis, F. R. (N)
Dennis, F. R. (N)
Dennis, F. R. (N)
Dillon, T. E. (M)
Doba, S. , Jr. (SM)
Dillon, T. E. (M)
Dobasky, D. D. (A)
Durkee, A. L. (SM)
Ebbe, G. L. (N)
Enlin, J. M. (M)
Dray, E. J. (M)
Fayer, J. (M)
Fayer, C. E. (F)
Finch, T. R. (M)
Farmey, G. K. (M)
Farmey, C. H. (SM)
Fisher, H. J. (SM)
Fisher, H. J. (SM)
Fisher, H. J. (SM)
Fisher, R. C. (SM)
Fisher, R. C. (SM)
Fisher, M. J. (SM)
Fisher, M. (SM)
Fisher, M. J. (SM)
Fisher, M. J. (SM)
Fisher, M. J. (SM)

lwersen, J. E. (M)
Jaever, R. P. (SM)
Jacobarson, A. E. (M)
Jossoh, D. F. (M)
Julesz, B. (M)
Kamentsky, L. A. (M)
Kamentsky, L. A. (M)
Kamentsky, L. A. (M)
Karler, R. E. (M)
Karler, B. (M)
Karler, B. (M)
Kerler, W. H. (M)
Keller, R. A. (M)
Keller, B. A. (SM)
Kimme, E. G. (M)
Kimme, E. G. (M)
Kimsburg, B. J. (M)
Kinarlwala, B. K. (M)
Kinsburg, B. J. (M)
Kinzer, J. P. (SM)
Kinzer, J. P. (SM)
Kinzer, J. P. (SM)
Koemm, K. H. (A)
Kowiton, A. D. (SM)
Koemm, K. H. (A)
Komofner, R. (F)
Kretzmer, E. R. (SM)
Kummer O. (SM)
Lebert, A. (W)
Lebert, A. (W)
Lebert, A. (W)
Lebert, A. (M)
Lebert, A. (M)
Longn, B. F., Jr. (M)
Longn, R. C. (M)
Mallery, J. M. (SM)
Mallery, D. (M)
Mason, W. J. (M)
Mason, W. J. (M)
McDavitt, M. B. (SM)
McDavitt, M. B. (SM Morgan, S. F. (SM)
Mortson, B. A. (M)
Morton, J. A. (F)
Moutram, E. T. (SM)
Moutram, E. T. (SM)
Mounts, F. W. (A)
Myers, P. B. (M)
Nei, K. J. (A)
Newhall, E. E. (A)
Noll, J. C. (SM)
Norton, E. L. (SM)
Norton, E. L. (SM)
Norton, E. L. (SM)
Nylund, H. W. (SM)
Packard, G. N. (M)
Pardee, S. (M)
PelleorinellII, A. (M)
Perletti, P. V. (M)
Perletti, P. V. (M)
Peretti, P. T. (M)
Powers, T. L. (M)
Powers, T. L. (M)
Pytor, J. G. (M)
Pyte, E. L. (M)
Raleloh, J. T. (M)
Rea, W. T. (SM)
Raleloh, J. T. (M)
Rea, W. T. (SM)
Reiling, P. A. (VA)
Rice, L. P. (M)
Rice, S. O. (F)
Riesz, R. (SM)
Riley, R. M. (M)
Rosenthal, C. W. (M)
Rosenthal, C. W. (M)
Ross, I. M. (SM)
Rowen, J. H. (SM)
Runyon, J. P. (M)
Rossenthal, C. W. (M)
Ross, I. M. (SM)
Rowen, J. H. (SM)
Runyon, J. P. (M)
Rossenthal, C. W. (M)
Roshelte, J. (SM)
Schelkundf, S. A. (F)
Schilmpf, L. G. (SM)
Schelkundf, S. A. (F)
Schilmpf, L. G. (SM)
Schelkundf, S. A. (F)
Schilmpf, L. G. (SM)
Schelkundf, S. R. (M)
Siharp, W. O. (M)
Shaplo, E. B. (M)
Siharp, W. O. (M)
Slarbe, J. N. (SM)
Slimkins, Q. W. (M)

Simmonds, T. H., Jr. (A)
Sipress, J. M. (M)
Sipress, J. M. (M)
Sienlan, D. (M)
Spencer, A. E., Jr. (M)
Spencer, A. E., Jr. (M)
Spencer, E. G. (SM)
Steenaart, W. J. D. (M)
Stickle, R. L. (A)
Stienland, A. L. (SM)
Stienland, M. D. (M)
Straube, H. A., Jr. (SM)
Stoughton, M. D. (M)
Straube, H. M. (SM)
Summer, E. E. (SM)
Summer, E. E. (SM)
Summer, E. E. (SM)
Summer, E. E. (SM)
Summer, E. S. (SM)
Summer, E. S. (SM)
Summer, E. S. (SM)
Terman, F. W. (M)
Thatcher, T. W. Jr. (M)
Thatcher, T. W. Jr. (M)
Thatcher, T. W. Jr. (M)
Thurston, R. N. (A)
Tien, P. K. (M)
Tilley, J. H. (M)
Townsend, M. A. (SM)
Toy, W. N. (M)
Torotter, R. S. (SM)
Uzunoglu, V. (M)
Van Haste, W. (SM)
Varnerin, L. J. Jr. (SM)
Veazie, E. A. (SM)
Weltzel, L. G. (M)
Warner, R. M., Jr. (SM)
Wentz, J. F. (SM)
Wentz, J. F. (SM)
Wentz, H. S. (SM)
Wetzel, L. B. (M)
Wickilffe, P. R. Jr. (M)
Williams, R. D. (M)
Wood, J. E. (M)
Wood, J. E. (M)
Wood, J. E. (M)
Voung, C. H. (SM)

Atune (NY-M-2)
Ackerman, J. C. (M)
Alexander, L. D. (A)
Armstrong, R. W. (SM)
Benantl, M. A. (A)
Danko, S. F. (M)
Dennis, L. F. (M)
De Paola, G. E. (A)
Evers, J. T. (M)
Foderano, J. V. (A)
Hannon, L. F. (A)
Kegel, R. A. (M)
Kramer, N. (A)
Lehner, L. (M)
Lipetz, N. (M)
Matthei, W. G. (M)
Pokomy, G. E. (A)
Ruzgis, A. G. (M)
Smith, A. W. (M)
Speaker, B. (A)
Swingle, D. M. (M)
Warner, F. N. (M)
Woodyard, O. C. (M) Neptune (NY-M-2)

Neshanic Station (PRI-2) Barnard, D. F., Jr. (M)

Netcong (NNJ-2) Relchard, W. C. (SM)

Newark (NNJ-2) varx (NNJ-2)
Ackerly, R. J. (A)
Ackerly, R. J. (A)
Ackerly, R. J. (A)
Bagley, D. S. (M)
Barabutes, T. (M)
Berger, J. (M)
Blonder, I. S. (M)
Blonder, I. S. (M)
Boyson, C. V. (A)
Boyson, C. V. (A)
Brunie, R. M. (M)
Carluccio, J. (SM)
Carluccio, J. (SM)
Carreno, D. G. (M)
Carreno, D. G. (M)
Cerr, A. E. (A)
Clement, G. (A)
Cohen, H. (M)
Cohen, S. (SM)
Coppola, A. A. (M)
Crabill, W. B. (A)
D'Agostini, D. (M)
D'Allegro, G. (A)
Elizondo, E. L. (M)
Engelberg, C. (M)
Fermandes, J. G. (A)
Fishman, S. (SM)
Fluman, J. (M)
Gilbert, R. W. (M)
Gilbert, R. W. (M)
Gildrian, A. F. (SM)
Gloiding, J. (A)
Gross, J. I. (A)
Heldrick, C. P. (M)
Helner, A. J. (M)
Holdman, M. (M)
Holdman, M. (M)
Kaffus, P. J. (M)
Karber, E. A. (M) Kaufman, A. S. (M)
Koppelon R. (SM)
Koppelon R. (SM)
Kosonocky, W. F. (M)
Koslmor, M. (M)
Kubilins, E. T. (A)
Kwast, V. B. (M)
Lakshmanan, T. K. (M)
Lakshmanan, T. K. (M)
Lakshmanan, T. K. (M)
Lawb, F. X. (M)
Lemeshika, M. B. (M)
Lemeshika, M. B. (M)
Lemeshika, M. B. (M)
Molener, A. (M)
McCormick, D. A. (M)
McCormick, D. A. (M)
McCormick, D. A. (M)
McCormick, D. A. (M)
Mellen, F. R. (SM)
Meyer, H. G., Jr. (A)
Moore, E. P. (A)
Moore, E. P. (A)
Moore, E. P. (A)
Moore, E. P. (A)
Morgan, W. H. (M)
Mutschler, E. C. (M)
Olson, J. W. (M)
Perma, P. J. (A)
Peterson, D. A. (M)
Polsinelli, V. (A)
Purdy, D. R. (M)
Ranger, R. H. (F)
Richardson, E. A. (M)
Rosell, F. A. (SM)
Schwartzberg, I. G. (M)
Schwartzberg, I. G. (M)
Schwartzberg, I. G. (M)
Schwartzberg, R. G. (M)
Schwartzb

w Brunswick (PRI-2)
Amtsen, A. P. (M)
Baumunk, J. F. (M)
Bohnstedt, C. E. (M)
Butenko, J. W. (M)
Cahill, R. M. (M)
Cahill, R. M. (M)
Cahill, R. M. (M)
Degan, J. J. (A)
Deila-Torre, E. (M)
Dienst, J. F. (M)
Fernald, O. H. (M)
Fich, S. (SM)
Frisch, J. A. (A)
Handen, J. (M)
Hertz, K. L. (A)
Lebowitz, L. L. (M)
Meyerhoff, A. A. (SM)
Pierce, W. B. (M)
Poltar, M. S., Jr. (M)
Potter, J. L. (F)
Rodkin, D. L. (M)
Robin, A. (M)
Rubin, A. (M)
Siekanowicz, W. W. (M)
Siekanowicz, W. W. (M)
Sirkis, M. D. (A)
Uphoff, E. C. (M)
Van Dervees, E. (M)
Van Dervees, E. (M)
Wfoundland (NNJ-2) New Brunswick (PRI-2)

Newfoundland (NNJ-2) Goebel, R. J. (M)

New Gretna (PHI-3) Full , W. A. (SM)

New Market (PRI-2) Street, W. D. (M)

Street, W. D. (M)

New Milford (NNJ-2)
Alexander, S. B. (M)
Bailin, R. C. (M)
Ewert, A. C. (M)
Franzel, I. H. (M)
Gartner, G. W. (M)
Hammerich, H. A. (A)
Jones, M. E. (A)
Lincci, C. A. (A)
Olson, R. E. (SM)
Phelos, R. B. (M)
Reich, P. J. (M)
Roth, H. (M)
Shaw, A. B. (M)
Shaw, A. B. (M)
Shaw, W. (M)
Sokol, S. (A)
Umles, M. S. (M)
Vergož, R. A. (A)

New Monmouth (NY-M-2) Brehn, J. H. (M)

New Shrewsbury (NY-M-2; Govinsky, W. (A) MacPherson, D. H. (SM) Nelson, M. (A)-Schallerer, J. W. (M)

Newton (NNJ-2)
Kellogg, W. M. (SM)
Langstroth, R. W. (A)
Langstroth, T. A. (A)
Schneider, B. K. (A) New Vernon (NNJ-2) Clark, O. (SM) D'Heedene, A. R. (SM)

Nixon (PRI-2)
Bernsteln, A. L. (A)
Cameron, J. A. (M)
Farhi, S. (M)
Feder, E. I. (M)
Fisher, J. B. (A)
Gote, J. T. (M)
Irby, H. C. (M)
Neidig, K. E. (M)
Re Corr, K. H. (M)
Unger, R. J. (A)

Ne Corr, K. H. (M)
Unger, R. J. (A)

New Providence (NNJ-2)
Booth, D. L. (M)
Bowyer, L. R. (M)
Brown, H. E. (M)
Capranica, R. R. (M)
Griswold, D. M. (M)
Himmel, R. N. (M)
Johnson, H. C. (M)
Keder, V. (M)
Loe, E. B. (M)
Levenbach, G. J. (M)
Levenbach, G. J. (M)
Levenbach, G. J. (M)
Nielsen, E. G. (A)
O'Neill, M. P. (M)
Nielsen, E. G. (A)
O'Neill, M. P. (M)
Poole, K. M. (A)
Robey, E. E. (S)
Simonds, R. E. (SM)
Thatch, R. A. (SM)
Thatch, R. A. (SM)
Zmolek, C. R. (M)

Nixon Park (PRI-2) Sable, A. A. (A)

North Arlington (NNJ-2) Bruning, J. M. (M) Winkowski, R. (M)

Winkowski, R. (M)

North Bergen (NNJ-2)
Adam, E. P., Jr. (A)
Assadourian, F. (SM)
Belland, E. N. (M)
Bowab, L. G. (M)
Cox, J. L. (M)
Decker, W. J. (M)
Feucht, R. E. (M)
Fullington, H. J. (A)
Genser, A. (A)
Heflich, G. B. (M)
Hollopeter, W. C. (M)
Kalin, F. (A)
Kirsch, A. F. (M)
Nordman, C. D. (M)
Nordman, C. D. (M)
Nordman, C. G. (M)
Perlis, H. J. (M)
Perlis, H. J. (M)
Pizzigoni, A. (A)
Puente, J. G. (M)
Shahlin, E. S. (A)
Sherwood, H. R. (SM)
Sigman, M. (M)
Solomon, S. M. (M)
Solomon, S. M. (M)
Solomon, S. M. (M)
North, Branch Depot (PRI-2)

North Branch Depot (PRI-2) Peldunas, A. P. (M)

North Brunswick (PRI-2) Morris, M. J. (A)

Morris, M. J. (A)

North Caldwell (NNJ-2)
Adamson, A. A. (SM)
Fregan, E. J. (A)
Goldman, H. (A)
Light, H. A. (M)
Moore, E. B. (SM)
Muller, C. R. (SM)
Peet, E. C. (SM)
Peet, F. C. (SM)
Rennenkampf, L. J. (M)
Schade, O. H., Jr. (A)
Schneider, P. C. (A)
Siemens, R. H. (SM)
Smith, P. G. (A)
Sokolowski, E. M. (A)

Northfield (PHI-3) Headstrom, R. L. (SM)

North Plainfield (NNJ-2)
Beehier J. (M)
Blicher, A. (SM)
Cooke, J. P. (A)
Deeley, P. M. (SM)
Frank, R. J. (M)
Grover, A. C., Jr. (A)
Keane, J. B. (M)
Kettering, H. V. (M)
Larson, B. O. (M)
Ottobre, J. N. (M)
Perry, J. L. (A)
Pike, N. (A)

Quinlan, R. V. (M) Shupack, M. H. (A) Wamsley, D. H. (SM) Wehof, H. (M) Wemett, P. A. (M) Williams, A. D. (M)

Northvale (NNJ-2) Ariessohn, E. R. (M)

Norwood (NNJ-2) Brick, F. R., Jr. (SM) Griffin, A. T. (A) Haas, K. A. (A)

Nutley (NNJ-2)
Adams, R. T. (SM)
Alexander, B. (M)
Beisel, F. A. (A)
Blanchard, R. J. (M)
Polakas, J. A. (M)
Research Blanchard, R. J. (M)
Bolakas, J. A. (M)
Boyer, J. T. (M)
Brandes, N. J. (A)
Brush, J. M. (M)
Campbell, D. R. (M)
Campbell, D. R. (M)
Campbell, D. R. (M)
Carey, E. D. (A)
Cater, J. R. (SM)
Cater, J. R. (SM)
Chapman, R. F. (M)
Clark, J. T., J. (M)
Cookson, A. E. (SM)
Conaway, D. W. (M)
Cookson, A. E. (SM)
Colayer, A. G. (F)
Collin, R. I. (SM)
Conaway, D. W. (M)
De Maio, S. J. (M)
De Maio, S. J. (M)
De Maio, S. J. (M)
De Will, R. G. (M)
Felsenheld, R. A. (M)
Felsenheld, R. A. (M)
Filetcher, I. L. (M)
Groze, J. C. (SM)
Gronberg, H. C. (VA)
Happe, W. H., Jr. (M)
Herbin, L. (A)
Harvey, J. B. (SM)
Herbin, L. (A)
Himes, O. I. (M)
Herbin, L. (A)
Himes, O. I. (M)
Kandolan, A. G. (F)
Khanna, S. M. (M)
Kiss, M. L. (M)
Kunkel, E. A., Jr. (M)
Kandolan, A. G. (F)
Khanna, S. M. (M)
Mangolds, B. (M)
Mangolds, B. (M)
Mangolds, B. (M)
Maryomatis, A. (M)
Mills, H. J. (M)
Mills, H. J. (M)
Maryomatis, A. (M)
Mills, H. J. (M)
Schrieher, S. M. (M)
Schrieher, S. M. (SM)
Schrieher, S. M. (SM)
Schrieher, S. M. (SM)
Schrieher, S. M. (SM)
Schrieher, S. M. (M)
Schrieher, S. M. (M)
West, C. B. (M)
White, H. R. (M) White, H. R. (M)
Wickersham, W. H. (SM)
Wing, A. K., Jr. (F)
Wirth, C. H. (M)
Young, N. H. (SM)
Zablocki, H. S. (M)
Zaret, M. E. (SM)
Zeliff, R. J. (A)

Oakhurst (NY-M-2) Whelan, C.D. (M)

Oakland (NNJ-2) tland (NNJ-2)
Dzula, G. (M)
Edge, W. H. (M)
Hoffman, D. (SM)
Noble, R. B. (M)
Sandahl, C. R. (SM)
Thomas, G. N. (M)
Yohai, I. (M) Oaklym (PHI-3)
Burooly, T. J. (M)
Christiansen, W. G. (A)
Endy, W. M. (A)
Forbes, E. J. (M)
Gerber, P. D. (M)
Gordano, R. L. (M)
Gore, E. M. (M)
Henderson, R. A. (SM)
Korbin, A. D. (M)
Pappas, G. (M)
Putzrath, F. L. (A)
Rudolph, R. L. (M)
Scheldorf, R. D. (M)
Torbert, J. C. , Jr. (M)
Watts, E. R. (M)

Ocean Grove (NY-M-2) Ewald, H. W. (M)

Oceanoort (NY-M-2)
Brown, C. B. (SM)
Bryan, J. F. (SM)
Doelger, R. J., Jr. (M)
Edgerton, R. D. (M)
Nylander, G. A. (M)
Sherburne, F. B. (A)
Stromberg, R. E. (M)
Turner, H. (SM)
Waite, A. H., Jr. (SM)

Old Bridge (PRI-2) Brown, I. A. (A) Striednig, L. J. (M)

Old Tappan (NNJ-2) Bass, S. D. (A)

Oradel! (NNJ-2)
Anthony, I. B. (M)
Brueg, W. D. (A)
Canty, E. T. (M)
Howard, J. S., Jr. (A)
Levine, A. M. (SM)
Oberholtz, L. P. (M)
Podell, R. L. (A)
Rauch, L. R. (M)

Rauch, L. R. (M)

Orange (NNJ-2)
Boivin, P. B., Jr. (M)
Burkhart, W. H. (M)
Christen, A. L. (M)
Gruenberg, H. S. (M)
La Manna, R. J. (M)
Lloyd, A. G. (A)
Masson, F. Y. (SM)
Oliwa, W. S. (A)
Shackelford, B. E. (F)
Sumpter, P. B. (M)
Suydam, C. H. (M)
Terris, I. (M)
Van Lidth de Jeude, C. P. (M)
Wells, G. W. (M)
Yaeger, W. O. (A)

Oxford (NNJ-2) Edson, J. O. (SM)

Packanack Lake (NNJ-2) Lang, H. J. (M) Mutz, H. R. (SM) Seergy, C. M. (M)

Palisade (NNJ-2) Andrews, E. (M) Lefebvre, R. E. (A) Rover, R. R., Jr. (M)

Palisades Park (NNJ-2) isades Park (NNJ-2)
Ackeman, B. F., Jr. (M)
Fassberg, M. (A)
Kam, E. W. (M)
Keller, E. F. (A)
Levine, O. W. (M)
Lima, T. F. (A)
Marks, G. J. (A)
Packer, S. S. (M)
Richards, E. G. (M)
Schmied, J. W. (M)
TakakJian, J. S. (A)

Palmyra (PHI-3)
Brewster, P. J. (M)
Ennis, F. J. (A)
Flacco, A. F. (A)
Foerster, W. (M)
Galton, E. B. (SM)
Hibourn, C. L. (M)
Ramner, C. A. (M)
Ringer, H. N. (M)
Smith, W. I. (A)
Waring, J. W. (M)
Weimer, A. G. (M)
Yendall, G. E. (SM)

Paramus (NNJ-2)
Ankenbrock, C. A. (A)
Bodeen, G. S. (SM)
Brown, R. I. (M)
Brown, T. G. (SM)
Campanale, A. J. (M)
Chalmers, W. G. (M)
Chanes, H. (M)
Comway, J. F., Jr. (SM)
Deiss, E. W. (A)
De Vincent, J. (A)
Donaldson, W. G. (SM)
Dufour, G. L. (M)
Evander, H. S. (SM)
Hague, R. Z. (A)

Hardy, O. C. (A)
Honeiser, V. P. (M)
Karz, A. R. (M)
Kashar, A. S. (M)
Kovarik, H. (A)
Kriss, C. J. (M)
Levin, M. S. (M)
Manoly, A. E. (M)
McSweeny, R. (SM)
Neu, W. J. (M)
Petrina, R. J. (A)
Plehn, A. D. (M)
Reed, S. I. (M)
Sakate, F. S. (M)
Sattem, I. (M)
Schenkel, F. W. (M) Schenkel, F. W. (M)
Schmidt, L. D. (M)
Sclar, N. (SM)
Stahl, P. D. (SM)
Taylor, R. G. , Jr. (M)
Trager, B. L. (M)
Weber, G. A. (A)
Wehrlin, R. F. (A)
Werth, J. J. (M)
Wotton, R. C. (A)
Young, R. (M)
Zitovsky, S. A. (M)

Park Ridge (NNJ-2)
Bellis, H. M. (A)
Murphy, A. W. (A)
Norton, E. A. (M)
Stansfield, F. H. (M)

Parlin (PRI-2) Im (PRI=2)
Berkery, E. A. (A)
Howard, F. S. (M)
Panos, R. J. (A)
Pike, G. W. (A)
Zaratkiewicz, E. A. (M)

Parsippany (NNJ-2) sippany (NNJ-2)
Anders, J. V. (M)
Bliss, E. E. (A)
Darden, P. S. D. (M)
Goeller, L. F., Jr. (M)
Hendrickson, A. H. (M)
Janik, J., Jr. (A)
Kalish, H. M. (M)
Krause, C. K. (M)
Lawton, B. E. (M)
Mandzik, M. M. (M)
Marco, G. E. (M)
Mevola, R. R. (SM)
Nervik, J. M. (A)
Stanton, S. W. (M)
Waters, H. S. (M)
Wing, J. M. (M)

Passaic (NNJ-2)
Brussel, E. H. (M)
Currier, P. J. (A)
Coldstein, H. (M)
Cordon, M. J. (M)
Kratsch, P. H. (M)
Larkin, J. P. (M)
Masavage, I. R. (A)
Muench, W. H. (A)
Rosenthal, J. E. (SM)
Schumann, L. C. (A)
Seats, P. (A)
Sommermeyer, O. R. (A)
Stern, M. M. (M)
Stoj, F. R. (M)
Suszek, E. J. (A)
Wakeman, R. P. (SM)
Yu, Y. P. (M)
Zavoda, J. P. (M)
Lerson (NNJ-2)
Ball

Yu, Y. P. (M)
Zavoda, J. P. (M)
Zavoda, J. P. (M)
Paterson (NNJ-2)
Bell, D. J. (M)
Binneveld, H. A. J. (A)
Brino, J. A., Jr. (M)
Butterworth, J. W. (SM)
Carlson, O. E. (M)
Cohen, M. R. (A)
De Franco, J. J. (M)
Eamshaw, E. F., Jr. (M)
Gold, M. (A)
Janowsky, S. (M)
Kohler, E. (A)
Kuehler, H. R. (M)
Lane, W. M. (M)
Lavorgna, M. P. (M)
Levin, H. L. (A)
Lome, J. B. (M)
Malone, M. (M)
Noveko, N. (A)
Papa, B. F. (M)
Papanou, D. S. (M)
Potash, J. (M)
Rich, P. A. (A)
Shapiro, F. J. (A)
Shapiro, F. J. (A)
Sledge, L. L. (M)
Star, M. (M)
Trifari, E. F. (A)
Weinberg, H. C. (M)
Jisboro (PHI-3)
Gross S. P.

Paulsboro (PHI-3) Gross, S. D. (M)

Pennington (PRI-2) Bamford, H. S. (SM)

Pennsauken (PHI-3)
Bogush, A. J., Jr. (A)
Bordogna, A. C. (M)
Brady, T. J., Jr. (M)
Brummer, C. H., Jr. (A)

Clasen, C. P. (M)
Eddy, K. C. (M)
Eddy, K. C. (M)
Fabbioll, L. F. (M)
Fedorka, R. T. (M)
Fisher, C. D. (M)
Givens, R. C. (M)
Homson, N. L. (A)
Homson, N. L. (A)
Homson, N. L. (A)
Homson, N. L. (M)
Kay, F. T. (M)
Knapschaefer, D. H. (M)
Krawitz, L. J. (A)
Landis, J. V. (SM)
Mavity, W. C. (M)
Mortemuro, A. T. (M)
Mortemuro, A. T. (M)
Mortemuro, A. T. (M)
Oberman, J. R. (M)
Seager, W. M. (M)
Rosenberg, N. A. (M)
Rosenberg, N. A. (M)
Saeger, W. (M)
Stender, A. J. (M)
Skavicus, A. J. (M)
Skavicus, A. J. (M)
Wyant, E. D. (M)
Wyant, E. D. (M)

Penns Grove (PHI-3) Garrett, L. B., Jr. (A)

Pennsville (PHI-3) Fisher, C. (A) Loeffler, T. F. (M)

Pequannock (NNJ-2)
Altonji, E. R. (M)
Bergeron, W. F. (M)
Goldman, I. (M)
Kearney, J. J. (M)
Richard, C. A., Jr. (A)
Schkolnick, H. (M)
Schmidt, C. R. (M)

Perth Amboy (PRI-2) Chizmadia, R. A. (M) Ernst, W. P. (M) Houser, B. E. (A) Jesse, S. A. (A) Mosolgo, R. E. (A)

Phillipsburg (NNJ-2) Englehardt, W.K. (M) Hollander, A.M. (M)

Pine Brook (NNJ-2) Wheeler, C. M. (SM)

Pine Hill (PHI-3) Burns, D. C. (A)

Pine Lake (NNJ-2) Petersen, H. J. (A)

Pitman (PHI-3) Andrade, L. (M) Brown, I. N. (SM) Sloan, R. H. (M)

Pittstown (PRI-2) Bennett , A . F . (SM)

Plainfield (NNJ-2)

Smith, A. E. (M) Sweeney, H. E. (M) Sweeney, W. R. (M) Townsend, W. H. , Jr. (A) Wallace, R. L. , Jr. (F) Warren, C. A. (SM) Welner, A. W. (A) Weingarten, I. R. (A) Woody, M. W. (A)

Pleasantville (PHI-3) Dogantzis, B. E. (M)

Point Pleasant (NY-M-2) Diebold, B. A. (M)
Friedlein, J. G. (M)
Lucier, O. S. (A)
Schamann, L. E. (M)

Point Pleasant Beach (NY-M-2) Szafranski, J. J. (M)

Pompton Lakes (NNJ-2) npton Lakes (NNJ-2)
Carlson, L. C. (M)
Chmiel, B. A. (A)
Gorman, R. T. (A)
McEwan, A. W. (Sh
Miller, H. W. (M)
Plummer, R. J. (M)
Romain, D. O. (A)
Solomon, K. (M) (SM)

mpton Plains (NNJ-2)
Abrahams, R. P. (SM)
Amold, A., Jr. (A)
Cavanagh, R. T. (SM)
Dall, A. B. (M)
Egan, T. R. (M)
Egan, T. R. (M)
Engler, C. F. (M)
Gitter, R. E. (M)
Hansen, N. W. (A)
Hollberg, R. W. (M)
Lynch, R. G. (A)
McAdams, B. (SM)
Millard, J. W. (M)
Millard, J. W. (M)
Nielsen, A. H. (M)
Pauloski, S. H. (M)
Pauloski, S. H. (M)
Stern, W. (A) Pompton Plains (NN I-2)

Preakness (NNJ-2) Kearns, W.P. (M) Princeton (PRI-2)

Amarel, S., (SM)
Avins, J. (F)
Awschalom, M. (M)
Bach, H. M. (M)
Barco, A. A. (F)
Barton, L. E. (F)
Baugh, C. W., Jr., (M)
Beek, G. A. (M)
Beek, G. A. (M)
Beek, G. A. (M)
Beek, G. A. (M)
Beston, D. S. (F)
Behrend, W. L. (SM)
Belohoubek, E. F. (M)
Binstock, P. L. (M)
Binstock, P. L. (M)
Bistock, P. L. (M)
Brown, G. R. (SM)
Brown, G. R. (SM)
Brown, G. R. (SM)
Brinster, J. F. (SM)
Brown, G. H. (F)
Burns, L. L. Jr. (SM)
Brown, G. H. (F)
Chambers, F. T., III (M)
Chaykowsky, O. C. (M)
Cheseman, P. R. (A)
Christian, S. M. (SM)
Clark, A. N. (A)
Clement, P. R. (M)
Coder, B. J. (M)
Coder, F. L. (M)
Davey, J. R. (M)
Donath, E. (SM)
Donath, E. (SM)
Donath, E. (SM)
Donath, E. (SM)
Evien, J. T. (M)
Fischer, J. T. (M)
Gamblin, R. L. (M)
Garretson, E. B. (M)
Goorge, R. W. (SM)
Glalmo, E. C. Jr. (A)
Gibson, J. J. (M)
Gibson, M. G. (M)
Greenblatt, M. H. (SM)

Gross, J. (M)
Hackley, R. A. (M)
Hanmer, L. H. (M)
Hansell, C. W. (F)
Hart, H. C. (M)
Harvey, R. L. (SM)
Hatke, F. L. (A)
Hauser, G. G. (A)
Heald, M. A. (M)
Herman, F. (M)
Herman, F. (M)
Herman, F. (M)
Herman, F. (M)
Hilbrand, J. (M)
Hillibrand, J. (M)
Hillibrand, J. (SM)
Holmes, R. S. (F)
Hook, H. O. (SM)
Hoyler, C. N. (SM)
Hoyler, C. N. (SM)
Hobbard, B. R. (M)
Hutber, J. R. (M)
Hutber, J. R. (M)
Hutter, E. C. (M) Hubbard, B. R. (M)
Hutter, E. C. (M)
Jenny, D. A. (M)
Jenny, D. A. (M)
Johnson, E. D. (SM)
Johnson, H. (SM)
Johnson, H. (SM)
Johnson, H. (SM)
Johnson, H. (SM)
Karstad, K. (SM)
Keiser, B. E. (SM)
Keizer, E. D. (SM)
Keizer, E. D. (SM)
Keizer, B. E. (SM)
Keizer, B. E. (SM)
Kingsley, B. (SM)
Lindsley, B. (SM)
Linder, C. D. (M)
Lardon, V. D. (F)
Larrabee, R. D. (M)
Lardon, V. D. (F)
Larrabee, R. D. (M)
Law, H. B. (F)
Leverenz, H. W. (F)
Levton, E. M. (SM)
Lindenblad, N. E. (F)
Linder, E. G. (F)
Linder, E. G. (F)
Linder, E. G. (F)
Linder, E. G. (SM)
Midsay, F. A. (A)
Lo, A. W. (SM)
Loebner, E. E. (SM)
Loebner, E. E. (SM)
Miller, N. W. (M)
Martianelli, C. C. (SM)
McCormick, S. T. Jr. (M)
Matter, N. W. (M)
Matter, N. W. (M)
Miller, H. L. (M)
Morton, G. A. (F)
Mueller, C. W. (F)
Myhre, R. (A)
Neorgaard, L. S. (F)
Newman, A. W. (M)
North, D. O. (F)
Ochs, S. A. (M)
O'Connell, J. H. (A)
North, D. O. (F)
Peterson, D. W. (M)
Pilp, A. T. (SM)
Pritchard, D. H. (M)
Powers, K. H. (SM)
Pritchard, D. H. (M)
Powers, K. H. (SM)
Nander, D. S. (M)
Samuelson, D. (M)
Tults, J. (M)
Webimer, P. N. (M)
Webimer, W. H., I, (M)
Webimer, W.

Wilkinson, W. C. (SM)
Williams, C. H. (A)
Williams, T. R. (M)
Witt, H. R. (A)
Wittke, J. P. (M)
Wolff, I. (F)
Wolff, S. S. (M)
Woodward, J. G. (SM)
Woodward, J. G. (SM)
Woodward, D. M., Jr. (SM)
Young, C. J. (F)
Zworykin, V. K. (F)

Princeton Junction (PRI-2) ceton Junction (PRI-2)
Aronson, A.I. (M)
Chandler, H. M., Jr. (M)
De Remer, K. R. (M)
Kelgler, J. E. (M)
Kritman, I. M. (M)
Szekely, M. E. (M)

Prospect Park (NNJ-2) Serra, E. M. (M)

Radbum (NNJ-2) Eaton, R. D. (M)

Rahway (NNJ-2) way (NNJ-2)
Bellingham, L. C. (A)
Dipple, W. M. (A)
Horneck, J. F. (M)
Jones, E. L. (A)
Olesky, M. (A)
Robinson, G. D. (A)
Rogers, R. E. (M)
Sarullo, M. J. (M)

Ramsey (NNJ-Z)
Buyer, E. M. (SM)
Cynamon, J. J. (A)
Dubbs, W. M. (M)
Gray, L. F. (M)
Helser, W. H. (SM)
Lynch, D. J. (M)
Malliet, A. J. (A)
Mason, R. S. (M)
Pardovich, J. T. (M)
Price, J. M. (M)
Stryker, H. J. (M)
Yurasek, J. F. (M)

Raritan (PRI-2)
Ditrick, N. H. (M)
Kleopinger, R. E. (M)
Koch, O. F. (A)
Newman, J. J. (M)
Oilis, J. H. (M)
Pearson, O. B. (M)
Trolano, A. (A)

Red Bank (NY-M-2)
Allen, M. R. (A)
Anderson, E. C. (SM)
Bagwell, C. E. (SM)
Barlos, A. A. (A)
Bassler, S. G. (M)
Beck, A. C. (F)
Belzer, H. H. (SM)
Benowitz, R. B. (M)
Billick, P. (M)
Budenkaye, A. C. (M)
Bush, J. A. (A)
Chassek, N. E. (M)
Crawford, A. B. (F)
Crivello, A. A., Sr. (M)
Darbe, L. C. (A)
Dawson, R. W. (M)
De Loach, B. C., Jr. (M)
Demidon, W. G., Jr. (A)
Edwards, C. F. (M)
Enthart, E. H. (M)
Enthart, E. H. (M)
Enthart, E. H. (M)
Grodall, W. G., Jr. (M)
Godall, W. M. (F)
Frankel, H. C. (SM)
Gaus, E. L. (M)
Gordold, R. A. (M)
Gloggia, A. E. (A)
Goodall, W. M. (F)
Hawley, R. C. (M)
Hong, D. C. (SM)
Hong, S., Jr. (M)
Hunt, D. W. (M)
Hunt, D. W. (M)
Hunt, D. W. (M)
Kane, B. P. (M)
Kane, B. P. (M)
Kane, B. P. (M)
Kane, B. P. (M)
Kinney, W. R. (M)
Kinne

Dhm, E. A. (A)
Perkins, D. O. (SM)
Pusteinyk, M. (M)
Rauch, A. (A)
Rose, C. F. P. (SM)
Rose, C. F. P. (SM)
Rose, C. F. P. (SM)
Sardo, W. (M)
Sardo, W. (M)
Schmidt, R. A. (M)
Senn, G. F. (SM)
Sharpless, W. M. (F)
Siderman, J. A. (M)
Stanley, H. T. (M)
Tillotson, L. C. (SM)
Turner, E. H. (SM)
Unger, H. G. (SM)
Woot, G. F. (SM)
Woot, G. F. (SM)
Wost, M. T. (SM)
Worst, M. T. (SM)
Wurst, M. T. (SM)
Worst, M. S. (M)

Ridgefield (NNJ-2) perield (NNJ-Z)
Ackerman, H. 1. (M)
Bishop, P. (M)
Dardano, L. B. (A)
Dollnko, L. (M)
Finkelstein, D. (M)
Fristensky, C. A. (M)
Mittman, E. E. (SM)
Ross, G. G. (M)
Spitz, T. S. (M)
Sutherland, E. F. (M)

Ridgefield Park (NNJ-2) Foster, R. M. (A)

Ridgewood (NNJ-2)
Bailey, E. M. (A)
Bolderidge, A. G., Jr. (M)
Boyle, G. G. (M)
Clay, A. N. (M)
De Leon, J. (M)
Deleon, J. (M)
Feldkamp, L. P. (A)
Fitts, W. F. (M)
French, H. A. (SM)
Holt, A. C. (SM)
Holt, A. C. (SM)
Holt, A. C. (SM)
Holt, P. (M)
Labagh, E. L. (M)
Mulligan, J. H., Jr. (F)
Oliverlo, A. O. (M)
Prack, T. S., Jr. (M)
Rogers, T. I. (SM)
Sands, L. G. (SM)
Sands, L. G. (SM)
Simpson, L. C. (F)
Streich, R. J. (M)
Sthmalz, H. H. (M)
Sthmalz, H. H. (M)
Stubner, J. W. (M)
Taylor, E. C. (A)
Troell, R. E. (M)
Wahlquist, W. (M)
Wallist, J. S. (SM)
Riverdale (NNJ-2)

Riverdale (NNJ-2) Hegeman, B. L.(A)

Hegeman, B. L. (A)

River Edge (NNJ-2)

Balter, S. A. (M)

Baum, E. (M)

Biagi, A. D. (M)

Ennis, F. T. (VA)

Garfunkel, A. C. (M)

Grybowski, T. M. (M)

Howitz, G. (M)

Izzo, A. J. M. (A)

Kumble, A. S. (M)

La Rue, C. L. (M)

Mazzola, J. R. (SM)

Schumacher, H. L. (M)

Slack, S. J. (M)

Riverside (PHI-3) Gardner, R. K. (M) Katella, A. J. (M)

retton (PHI-3)
Allen, C. D. (M)
Alperin, N. N. (M)
Baron, A. S. (M)
Bergman, R. H. (M)
Blumensteln, W. C. (M)
Brown, L. (SM)
Brown, L. (SM)
Bryson, H. C., Jr. (SM)
Burton, G. T. (M)
Canavan, T. P. (M)
Chaman, L. J. (M)
Child, P. J. (M)
Corr, J. J. (M)
Curran, G. M., Jr. (M)
Curran, G. M., Jr. (M)
Delker, A. G., Jr. (M)
Faust, A. C. (M)
Faust, A. C. (M)
Faust, A. C. (M)
George, M. E. D. (A)
Gold, A. (SM)
Good, L. H. (M)
Gray, R. K. (A) Riverton (PHI-3)

Hartshorne, F. A. (M)
Howells, J. A. (A)
Hunt, G. W., Jr. (M)
Kitchens, L. E. (M)
Kreitzberg, S. B. (A)
Lavence, W. J. (M)
Long, K. G. (M)
Mandelkehr, M. M. (M)
Norcross, J. S., Jr. (A)
Penfield, A. W. (A)
Reardon, L. J. (M)
Ress, T. I. (A)
Schira, J. C., Jr. (M)
Sidnam, R. D. (M)
Small, C. E. (M)
Small, C. E. (M)
Small, C. E. (M)
Smed, C. R. (M)
Societza, R. J. (M)
Stangler, D. M. (A)
Steigelman, W. H., Jr. (M)
Strinkowski, N. W. (A)
Turnow, W. F. (M)
Vendeland, R. N. (M)
Westcott, H. H. (M)
Westcott, H. H. (M)
Wedder, E. J., Jr. (M)

River Vale (NNJ-2)
Battel, F. A. (A)
Betlejewski, F. J. (M)
Brain, B. (A)

Rochelle Park (NNJ-2)
Auerbach, A. (M)
Brannagan, T. H. (M)
Carroll, J. M. (A)
De Yoreo, R. (M)
Farber, D. J. (M)
Feoranz, F. J. (M)
Ferrando, H. J. (M)
Flanagan, J. R. (M)
Grudus, W. S. (M)
Jones, G. E. J. Jr. (S) Jones, G. E., Jr. (SM)

Rockaway (NNJ-2) Greene, K. (SM) Kurtz, D. P. (M) Magel, A. (M) McFann, H. L. (M) Morgen, M. (M) Santos, J. S. (M) Ulga, E. (SM) Zyskowski, J. J. (M)

Rockaway Township (NNJ-2) Kunnes, H. (M)

Rocky HIII (PRI-2) Fraipont, D. F. (M) Warter, P. J., Jr. (A)

Roosevelt (NY-M-2) Rips, E. M. (A)

Roseland (NNJ-2) Grey, A. J. (M) Nichols, P. A. (A) Richardson, G. G. (SM)

Roselle (NNJ-2)
Boycks, E. C. (M)
Frank, L. H. (A)
Ostrow, H. (M)
Preuss, E. A. (A)
Saccente, J. C. (M)

Roselle Park (NNJ-2) Cohen, E. (M) Dargue, F. B. (A) Hanselman, K. J. (M) Lee, T. (A)

Rumson (NY-M-2) nson (NY-M-2)
Delsler, J. D. (M)
Frils, H. T. (F)
Gotay, M. J. E. (SM)
Gruol, J. W. (SM)
Kennedy, J. D. (A)
Kimmel, L. D. (M)
Kruse, E. S. (M)

Runnemede (PHI-3) inemede (PHI-3)
Copeland, W. O. (M)
Eckel, C. C. (M)
Haworth, R. F. (M)
Jones, G. C. (A)
McCollor, R. L. (SM)
Nleh, N. Y. (M)
Williamson, W. H., Jr. (M)

herford (NNJ-2)
Ackley, J. N. (M)
Edmunds, J. J., Jr. (M)
Foster, J. E. (M)
Henzel, G. L. (A)
Keller, W. N. (A)
Lohrenz, C. A. (M)
Lopresti, M. P. (A)
Lopresti, A. P. (A)
Merrill, J. B. (M)
Rau, A., Jr. (SM)
Reenstra, W. A. (M)
Sammon, A. C. (A)
Scott, G. R. (M)
Simkovich, J. R. (M) Scott, G. R. (M)
Simkovich, J. R. (M)
Simpson, W. F. (M)
Staller, K. J. (M)
Van Winkle, E. W. (SM)
Walker, D. J. (A) Walter, C. W. P. (SM) Wattson, H. B. (SM) Weidman, B. (A) Zemanlan, A. H. (SM)

Salem (PHI-3)
Balley, L. W. (SM)
Morton, R. S. (VA)
Perlsweig, A. M. (M)

morton, R. S. (VA)
Perisweig, A. M. (M

Scotch Plains (NNJ-2)
Ballinger, L. H. (M)
Bell, J. S. (M)
Bird, S. P. (A)
Butler, W. E. (A)
Carhoun, D. D. (M)
Cummins, R. L. (M)
Dranetz, A. (M)
Elwood, A. A. (SM)
Greene, W. J. (SM)
Hergenhan, D. (M)
McLean, J. B. (M)
Mortilor, J. A. (M)
Mortilor, J. A. (M)
Schultz, J. L. (SM)
Sensenig, W. A. (M)
Shippen, H. T. (M)
Swenson, R. A. (A)
Young, C. B., Jr. (SM)

Bripht (NY-M-2)
Schnlabolk

Sea Bright (NY-M-2) Schnabolk, H. L. (M)

Seabrook (PHI-3)

Sea Isle City (PHI-3) Bechler, W. C., Jr. (VA)

Seaside Park (NY-M-2)

Secaucus (NNJ-2) Tonn, J. L. (A)

Sewell (PHI-3) Woodward, J. D. (SM)

Woodward, J. D. (SM)

Short Hills (NNJ-2)

Alexander, R. B. (SM)
Brown, J. T. L. (M)
Bucklin, K. G. (SM)
Budenbom, H. T. (F)
Carroll, M. J. (SM)
Dabrowski, H. L. (A)
Oore, A. J. (A)
Oore, E. J. (SM)
Gerber, G. V. (M)
Giese, R. C. (SM)
Huber, G. H. (SM)
Jones, H. B., Jr. (A)
Kelly, M. J. (F)
Klehm, W. G., Jr. (M)
Tucker, J. P. (VA)
Vanderbilt, S. (A)
Walf, G. B. Ill (M)
Vanderbilt, S. (A)
Walf, G. B. Ill (M)
Xiegler, A. W. (SM)
Xiegler, A. W. (SM)

Shrewsbury (NY-M-2)
Covici, W. (M)
Czerwinski, W. P. (M)
Edmunds, E. E. (SM)
Goodwin, H. C. (A)
Johnstone, J. H. (SM)
Kelgher, B. J. (M)
Layden, O. P. (A)
Maloney, T. E. (M)
Michael, L. M. E. (A)
Rehm, W. L. (M)
Ross, A. H. (SM)

Sicklerville (PHI-3) Ayers, J. J. (M) Berry, R. L. (A)

Singac (NNJ-2) Fetko, J. F. (A)

Somerdale (PHI-3)
Callahan, J. F. (M)
Howell, M. (M)
Kisseleski, J. M. (A)
Kolodin, L. (A)
Kurchin, A. (M)
Metzler, M. A. (M)
Sweeney, J. E. (M)
Symballsty, S. (M)
Warren, W. L. (A)
Weisenfeld, S. (M)

Somers Point (PHI-3) Baker, R. L. (SM) Curtis, V. F. (A)

merville (PRI-2)
Ahrons, R. W. (M)
Amrstrong, L. D. (M)
Buehler, R. K. (M)
Cadra, V. J. (M)
Chinery, J. J. (A)
Coburn, R. D. (A)
Coburn, R. D. (A)
Oburn, R. T. (M)
OI Stefano, R. T., Jr. (M)
Fa, C. H. (M)
Fournier, R. V. (SM)
Gifford, J. S. (M)
Gillisno, M. N. (M)
Glover, A. M. (F) Somerville (PRI-2)

Gobat, A. R. (SM)—
Greto, W. J., J. L. (A)
Handjanl, H. (M)
Hornstein, M. B. (M)
Inrele, R. W. (M)
Iverson, J. H. (M)
Iverson, J. H. (M)
Janes, R. B. (F)
Kestenbaum, A. L. (M)
Kleinman, H. M. (M)
Levin, B. B. (M)
Levin, B. B. (M)
Levin, B. B. (M)
Levin, B. C. (M)
Loyd, R. H. F. (M)
Long, W. T. (M)
Long, W. T. (M)
Long, W. T. (M)
Luedicke, E. (M)
Meltzer, G. (M)
Painter, R. R. (M)
Pinto, R. C. (M)
Pinto, R. C. (M)
Sands, W. F. (SM)
Santilli, R. A. (M)
Schooley, R. W., Jr. (M)
Schooley, R. W., Jr. (M)
Schwartz, B. (A)
Stiasny, R. (M)
Thorne, D. (M)
Thorne, D. (M)
Thorne, D. (M)
Thorne, J. (A)
Wybrands, K. (M)
Zuk, B. (M)

South Amboy (PRI-2) Kaluzny, E.F. (A) O'Brien, R.E. (M) Rauth, R.G. (M) Thomas, G.W. (A)

South Belmar (NY-M-2) Fimmel, R. O. (M)

South Bound Brook (PRI-2) Dobrowolski, R. M. (M) Kalish, I. H. (M)

South Hackensack (NNJ-2) Krauss, E. (A) Sherman, E. W. (A)

South Orange (NNJ-2)
Bonanno, J. L. (SM)
Crowley, H. L. (SM)
Harris, W. A. (F)
Miller, H. J. (SM)
Myers, G. H. (A)
Quinn, K. C. (M)
Robison, R. M. (M)
Royden, G. T. (F)
Stamwick, C. A. (VA)
Woolldfride A. C. (SM) Wooldridge, A. C. (SM)

South Plainfield (NNJ-2)
Bellew, F. N. (M)
Greenman, R. (M)
Grob, L. W. (A)
Hunter, F. L., Jr. (M)
Lipnick, J. (A)
Rogers, H. D., Jr. (A)
Shalvoy, R. E. (M)
Sola, M. (SM)
Solae, P. T. (A) Sykes, R. T. (A) Tesno, R. R. (SM) Wolfe, R. W. (M)

South River (PRI-2)
Bakaj, E. A. (A)
Blanchard, C. K. (M)
Fisher, W. W. (M)
Griffee, F. M. (M)

Sparta (NNJ-2) Hussey, L. W. (SM) Lundstrom, A. A. (SM)

Spotswood (PRI-2) Nachbar, M.S.(M)

Ingfield (NNJ-2)
Brumer, M. (A)
Cunningham, F. W. (SM)
Emmel, L. L. (M)
Field, W. T. (VA)
Hartz, W. W. (A)
Krall, W. F. (M)
McDowell, H. L. (M)
Ollendorf, J. (M)
Ozsvath, D. R. (M)
Pollacek, E. H. (A)
Rawicz, H. C. (M)
Rogers, A. W. (SM)
Smith, R. C., Jr. (M)
Wilcox, E. J. (M)
Wolfe, G. (SM) Springfield (NNJ-2)

Spring Lake (NY-M-2) Huber, W. A. (SM) Volgt, G. (A)

Spring Lake Heights (NY-M-2) Acker, R. E. (A)

Stanbone (NNJ-2) Carmichael, R. L. (M)

Stewartsville (NNJ-2) Belanger, E.D. (A)

Stirling (NNJ-2) Hirmann, J. (SM)

Stratford (PHI-3) Shellock, J. V. (A)

Welman, W. W. (M) Westcott, E. J. (M)

Johnson, L. C. (A)
Martin, S. J. (M)
Morgan, T. W., Jr. (M)
Willibald, G. E. (SM)

Summit (NNJ-2)
Anderson, C. N. (F)
Baker, P. A. (A)
Black, H. S. (F)
Cares, G. G. (SM)
Cavelos, A. A. (M)
Cohen, G. (M)
Corey, P. J. (M)
Crebtree, T. H. (A)
Davis, R. E. (M)
De Costanzo, J. R. (A)
Dudley, H. W. (SM)
Early, J. M. (F)
Evans, H. W. (SM)
Early, J. M. (F)
Evans, H. W. (SM)
Evoldt, H. J. (M)
Farley, J. E. (M)
Griffin, W. F. (SM)
Hammell, R. (M)
Hanchett, G. D. , Jr. (SM)
Hardey, J. E. (SM)
Hardey, J. B. (SM)
Hardey, J. B. (SM)
Hardey, J. B. (SM)
Hardey, R. V. L. (F)
Hasdorff, L. (M)
Hasdorff, L. (M)
Heising, R. A. (F)
Hensel, M. L. (M)
Hoglins, R. H. (M)
Hoth, D. F. (SM)
Johnson, R. L. (M)
Kalser, E. T. (SM)
Kelly, H. P. (M)
Kingsbury, B. A. (SM)
Koslov, S. (A)
Long, M. B. (M)
Long, M. B. (M)
Long, M. B. (M)
Marshall, R. W. (M)
Marshall, R. W. (M)
Mardinall, R. F. (M)
Model, F. R. (M)
Morer, R. F. Jr. (M)
Molchael, F. R. (M)
Morer, R. F. (F, CM)
Nordahl, J. G. (SM)
Paln, D. H. (A)
Perry, I. D. (M)
Raynsford, C. K. (M)
Raynsford, C. K. (M)
Rollman, R. F. (M)
Stevens, F. J. (M)
Stevens, F. J. (M)
Stevens, F. J. (M)
Treltel, W. S. (M)
Treltel, W. S. (M)
Vitt, F. (M)
Vitt, F. J. (M)
Vitt, F. J. (M)
Vagenhals, R. R. (M)
Witt, F. (M)
Vost, L. A. (SM)
Witt, F. (M)
Vitt, F. J. (M)

Surf City (NY-M-2) Bollinger, W. P. (SM)

Sussex (NNJ-2) Bliss, D. C. (A)

neck (NNJ-2)
Atlas, Z. (M)
Bonner, J. T. (M)
Boro, R. H. (A)
Calderone, M. L. (M)
Chin, E. (M)
Dunn, W. J. (A)
Garbeath, J. E. (M)
Galbraith, J. E. (M)
Gannett, E. K. (SM)
Greenquist, R. E. (M)
Jacobs, B. H. (M)
Kulesha, K. J. (M)
Luwernce, C. W. (M)
Ludwig, M. L. (M)
Ludwig, M. L. (M)
Luskin, B. (M)
Mezger, G. R. (SM)
Pearl, S. L. (M)
Polack, M. M. (M)
Puilley, A. A. (VA)
Quance, F. R. (M)
Rensin, E. (A)
Sather, O. J. (SM)
Sheer, C. (SM)
Tsao, T. C. (SM)
Verseout, P. C. (A)
Weber, S. (M) Teaneck (NNJ-2)

Tenafly (NNJ-2) Anthony, R. L. (SM) Border, B. (A) Del Ben, R. A. (M) Engel, J. S. (M) Hull, R. E. (M) Hutchinson, C. C. (A) Iwahashi, K. K. (A) lwahashi, K. K. (A) Litslos, J. (A) Parrott, R. D. (M) Sclorra, A. F. (M) Shotliff, L. A. (SM) Unger, W. H. (M)

Teterhorn (NN I=2) erboro (NNJ-2)
Boronow, E. L. (M)
Hughes, M. J. (M)
Keetch, W. A. (A)
McCaul, J. N. (A)
Nietsch, H. E. (A)
Robinson, C. S. (M)
Sprung, R. A. (M)

Toms River (NY-M-2) Dreessen, W. B. (M)
Helmus, D. H. (A)
Mangold, E. J. (M)
Steel, H. W. (M)

Totowa Borough (NNJ-2) Gutleber, F. S. (M) Heinls, F. W. (A) Kuyper, D. M. (M) Le Vine, H. D. (SM) Monsees, W. A. (M) Unger, A. (M) Wehner, J. H. (M)

Towaco (NNJ-2) Bird, H. H. (A)

Ballard, R. C. (S M)
Carver, L. A. (M)
Carver, L. A. (M)
Cole, W. Y. (M)
De Mott, J. (S M)
Ferber, L. R. W. (S M)
Heller, M. E. (A)
Inslee, J. A. (M)
Kerbec, M. J. (M)
Kerbec, M. J. (M)
Kebec, M. J. (M)
Kebec, M. J. (M)
Koltz, C. G. (M)
Kucker, J. A. (M)
Lipinski, Z. J. (M)
Lipinski, Z. J. (M)
Lipinski, Z. J. (M)
MCOoy, D. S. (M)
Miller, H. S. (M)
Miller, H. S. (M)
Molany, J. G. (A)
Power, J. B. (A)
Raser, E. G. (S M)
Ratz, A. G. (M)
Seideman, J. M. (M)
Sowiak, M. M. (M)
Sveedo, S. G. (A)
Wentzel, A. G. (A)
Wentzel, A. G. (A)
Wentzel, A. G. (M)
Vard, E. M. (M)
Zarzecki, F. S. (M) Trenton (PRI-2)

Union (NNJ-2)
Anderson, N. E. (M)
Barr, W. J. (M)
Chartoff, M. (M)
D'Agostino, V. F. (M)
Davis, E. S. (M)
Edwards, J. B. (VA)
Faughnan, J. F. (M)
Frank, D. N. (A) Frank, D. N. (A)
Hemmendinger, B. G. (M)
Jahn, C. W. (A)
Lambert, G. W. (A)
Mason, C. R. (A)
Metzler, R. (A)
Nagy, J., Jr. (M)
Penk, C. (A) Penk, C. (A)
Połkosnik, C. F., Jr. (A)
Sakatos, M. J. (M)
Sandoz, R. W. (M)
Sapoff, M. (M)
Snyder, V. A. (A)
Uebelhoer, H. K. (M)
Weintraub, N. (SM)

Union City (NNJ-2)
Campanaro, P. L. (A)
Corson, D. E. (SM)
Cuny, J. J. (M)
Delguidice, T. F. (M)
Genzel, S. (A)
Heuston, T. J. (M)
Markunas, J. P. (M)
Matto, V. G. (A)
Vaughan, C. B. (A)
Yelick, N., Jr. (A)

Upper Montclair (NNJ-2)
Benner, T. A. (M)
Borden, E. W. (SM)
Buck, T. F. (A)
Burnett, J. H. (SM)
Chipp, R. D. (F)
De Rosa, L. A. (F)
Dishal, M. (F)
Dunn, J. G. (A)
Fawcett, D. G. (M)
Ferguson, J. G. (SM)
Goldsmith, T. T., Jr. (F)
Hamilton, R. D. (M)

Harries, W. L. (SM)
Hicks, B. A. (SM)
Hunkins, H. R. (M)
Kaye, G. A., Sr. (M)
Osborne, H. S. (F)
Peer, G. C. (A)
Ruiter, J. H., Jr. (SM)
Slepel, R. (A)
Stanton, F. T. , Jr. (A)
Terhune, H. R. (SM)
Warner, H. M. (A)

Upper Saddle River (NNJ-2) Bochet, F. J. (M) Sereno, C. A. (SM) Weiner, M. J. (M)

Vaux Hall (NNJ-2) Seldon, C. (M)

Ventnor City (PHI-3) Braverman, N. (SM)

Braverman, N. (SM)

Verona (NNJ-2)

Baxter, C. L. (A)

Beltz, W. F. (SM)

Beste, H. E. (SM)

Bronow, F. S. (A)

Butler, H. R. (SM)

Curtls, L. B. (M)

Curtls, L. B. (M)

Curtls, L. B. (M)

Curtls, L. W. (M)

Fisher, G. C. (M)

Gauthler, R. V. (A)

Hulst, G. D. (SM)

Jacobs, G. W. (M)

Janoff, A. (A)

Koerner, C. T. (SM)

Kram, W. (A)

Lewinter, S. W. (SM)

McDonough, V. T. (M)

Polkinghorn, R. A. (F)

Polkinghorn, R. W. (M)

Smith, E. J. (M)

Smith, E. J. (M)

Tobler, C. R. (M)

Tompson, E. C. (A)

Wohlgemuth, A. C. (M)

Lolli, A. V. (M) Waugh, J. R., Jr. (M)

Waldwick (NNJ-2) dwick (NNJ-2)
Atkin, J. (M)
Bailey, R. S. (SM)
Broderick, N. E. (SM)
Certner, A. (A)
Graney, J. F., Jr. (A)
Priest, R. B. (M)
Shaler, D. (SM)

Wallington (NNJ-2) Van Savage, J. (M)

Wallpack (NNJ-2) Houck, H. W. (F)

Wanamassa (NY-M-2) namassa (NY-M-2)
Acker, M. (M)
Carp, G. (M)
Goldberg, B. (SM)
Halprin, L. H. (M)
_Kuhnapfel, R. H. (SM)
May, A. (A)
Treston, P. (M)

Washington (NNJ-2) Aten, D. C. (M)
Carlson, R. F. (SM)
Feindel, A. (M)
Neuls, C. W. (A)
Schmidt, A. F., Jr. (A)

Watchung (NNJ-2) Hellstrom, M.J.(SM)

Waterford (PHI-3) Connaught, P. M. (M)

Wayne (NNJ-2)

yne (NNJ-2)
Armstrone, T. R. (M)
Bentley, A. Y. (SM)
Brown, A. T., III (M)
Brown, A. T., III (M)
Bruggeman, J. T. (M)
Davls, E. L. (SM)
Des Jardins, R. A. (A)
DIatush, E. L. (SM)
Des Jardins, R. A. (A)
Diatush, E. C. (M)
Evans, N. L., Jr. (M)
Fosher, W. G. (SM)
Fosher, W. A. P. (M)
Gregory, L. A., Jr. (A)
Hamlin, J. C. (M)
Juncker, J. R. (M)
Kass, J. S. (M)
Kazuk, W. F. (A)
Kern, C. A. (SM)
Lay, C. A., Jr. (A)
Lehman, G. C. (A)
Lucas, E. F. (M) Lucas, E. F. (M) Mumford, E. L. (M) Murphy, D. F. (M) Numrich, F. H. (SM) Peters, G. J. (A)

Ryan, H. J. (M)
Schmidt, L. (M)
Schmidt, L. (M)
Shea, R. A. (SM)
Silco, R. O. (M)
Struck, H. E. (M)
Thompson, W. T. (M)
Underhill, E. M. (SM)
Williams, R. J. (A)
Wisson, F. C. (SM)
Wolfish, H. H. (M)

Wayne Township (NNJ-2) Grimes, W. M., Jr. (M)

Weehawken (NNJ-2)
Armstong, D. T. (A)
Mahony, J. P. (M)
McKee, F. J. (M)
Petersen, W. P. (M)

Wenonah (PHI-3) Eldridge, G. C., Jr. (A) Robinson, J. L. (M)

West Allenhurst (NY-M-2) Rockel, H. W. (A)
Friedrich, V. L. (SM)
Levine, R. H. (SM)
Lewis, H. M. (SM)
Lewis, H. M. (SM)
Samelia, P. R. (M)
Sugarman, R. H. (SM)
Steelman, K. C. (A)

West Belmar (NY-M-2) Fliegler, E. (A)

West Berlin (PHI-3) Trimble, J. E. (A)

Trimble, J. E. (A)

West Caldwell (NNJ-2)
Beyer, F. J. (M)
Brundage, J. H. (SM)
Capodanno, R. T. (SM)
Clark, T. G. (M)
Cole, H. W. (M)
Crump, E. E. (M)
Dunn, R. H. (M)
Eberhard, L. E. (VA)
Friedman, S. L. (M)
Hampshire, R. A. (M)
Knight, M. B. (SM)
Knoop, W. A., Jr. (SM)
Levine, S. B. (A)
Lynn, P. R. (M)
Myers, R. H. (A)
Olivier, R. M. R. (M)
Reiner, R. L. (A)
Richardson, R. J. (A)
Rusinow, K. (M)
Schade, D. H. (F)
Schoenwald, G. (A)
Shepard, R. H. (M)
Stalder, J. J. (M)
Toepel, W. A. (A)
Walzer, F. (M)
West Collingswood (PHI-3)

West Collingswood (PHI-3) st Collingswood (PHI-3)
Barker, D. W. (M)
Cummings, J. J. (SM)
Laskey, J. M. (M)
O'Brien, J. A. (SM)
O'th, R. B. (M)
Perry, R. A. (M)
Ramanis, O. (M)
Sapp, O. H. (M)
Tannenbaum, D. A. (M)

West Deal (NY-M-2) Berger, R. M. (SM)

West End (NY-M-2) Baars, R. D. (M)
Epsteln, M. (M)
Kahn, D. (M)
McMillen, J. D. (M) Winters, A. L. (A)

West Englewood (NNJ-2) st Englewood (NNJ-2)
Bitner, R. E. (M)
Boehm, G. W. (A)
Gelling, H. F. (M)
Godofsky, M. (M)
Krainin, S. (M)
Kuss, P. W. (M)
Pickholtz, R. L. (A
Schnoll, N. (SM)
Scott, D. A. (A)
Shenk, E. R. (SM)
Walts, A. A. (SM)
Walts, G. J. (M)
Wilbur, E. C. (SM)

stfield (NNJ-2)
Augstadt, H. W. (SM)
Bachrach, H. E. (A)
Bacon, D. R. (M)
Bargan, M. D. Jr. (A)
Bumiller, G. B. (M)
Cafarelli, N. J., Jr. (M)
Cunniff, T. W. (M)
Edwards, R. (SM)
Follingstad, H. G. (M)
Foster, R. M. (F)
Goldsmith, A. S. (M)
Hayward, W. S. Jr. (A)
Hopkins, C. H. (M)
Jackson, W. H. (M)
Jensen, T. F. (A)
Leeds, M. (M) Westfield (NNJ-2)

NEW MEXICO - 511 -

Leggett, E. P. (M)
MacGill, L. T., Jr. (A)
Massey, R. P. (A)
Moons, A. G., Jr. (M)
Nein, H. R. (M)
Peterson, L. J. (M)
Pulley, L. A. (VA)
Shepard, R. M. (A)
Siegelin, C. O. (SM)
Smith, J. W. (SM)
Suchomel, M. (A)
Warner, H. K. (M)
Welsh, W. A. (SM)
Wier, J. M. (M)
Wolf, B. H. (SM)
Wolf, B. H. (SM)
Worley, A. R. (M)
Young, C. E. (M)

Young, C. E. (M)

West Long Branch (NY-M-2)
Anderson, B. S. (SM)
Barbour, T. M. (M)
Berman, G. (M)
Delsinger, D. A. (SM)
Dokey, W. L. (M)
Farlee, R. J. (M)
Farlee, R. J. (M)
Fotladi, N. T. (A)
Gerber, E. A. (F)
Gikow, F. (SM)
Gore, T. S., Jr. (M)
Gormey, R. S. (SM)
Griffith, P. E. (SM)
Guttwein, G. K. (SM)
Huckaby, J. R. (M)
Kullback, I. (M)
Labanca, D. L. (M)
Labanca, D. L. (M)
Labanca, D. L. (M)
Lipton, M. H. (A)
McKenna, F. A. (SM)
O'Brien, J. F. (M)
O'Dwyer, M. S. (M)
Portantino, A. (M)
Senger, S. M. (M)
Senger, S. M. (M)
Senger, J. (M)
Vieweger, A. L. (SM)
Vogler, J. G. (M)
Wolinsky, A. (A)

West Millington (NNJ-2)

West Millington (NNJ-2) Jamison, H. M. (A)

Jamison, H. M. (A)

Westmont (PHI-3)
Aldrich, J. L. (A)
Beezer, J. E. (M)
Benton, H. B. (A)
Benton, H. B. (A)
Berton, T. J. (M)
Cepas, P. J. (M)
Fast, H. (M)
Carabedian, H. B. (A)
Carabedian, H. B. (A)
Cerabedian, H. B. (A)
Cerabedian, H. B. (A)
Mozi, P. L. (A)
Mozi, P. L. (A)
Mozi, P. L. (A)
Mozi, P. L. (A)
Mozi, P. J. (M)
Pierce, J. A. (A)
Sinnett, C. M. (F)
Sloan, J. E. (M)
Van Keuren, E. , III (M)
Walker, R. B. (M)
Van Keuren, E. , III (M)
Valler, A. (A)
Yowich, A. (A)
Ziehm, R. T. (M)
st. Orange (NNJ-2)
Abase

Vourich, A. A., (A)
Zlehm, R. T. (M)

West Orange (NNJ-2)
Abate, J. E., (M)
Adler, A. W. (A)
Albanese, D. F. (M)
Benstelin, B. (M)
Blanchard, W. A. (A)
Booth, R. P. (SM)
Coan, E. M. (SM)
Dzik, A. (SM)
Edison, T. M. (M)
Fishbein, S. B. (SM)
Garten, L. A. (M)
Goldstein, M. K. (SM)
Grayson, E. L. (M)
Grayson, E. L. (M)
Grayson, E. L. (M)
Hershoff, L. (SM)
Hershoff, L. (SM)
Hetherington, G. V. (A)
Kahn, H. S. (M)
Kantrowitz, W. (A)
Kishoaugh, A. W. (SM)
Kretchmar, P. R. (M)
Langford, R. C. (SM)
Mann, O. J. (M)
Milner, C. M. (M)
Mohn, D. L. (M)
Newman, R. J. (SM)
Persch, G. H. , Jr. (M)
Padalino, J. J. (SM)
Padalino, J. J. (SM)
Padalino, J. J. (SM)
Persch, G. H. , Jr. (M)
Red, E. D. (M)
Reise, H. A. (SM)

Riemenschneider, N. L. (M)
Robinson, W. A. (A)
Ryan, F. M. (F)
Schottland, F. D. (SM)
Scully, J. F. (SM)
Shamls, S. S. (M) Shamis, S. S. (M)
Shimp, G. H. (A)
Smith, J. F. (A)
Snow, H. A. (F)
Tulchin, H. (SM)
Wagner, R. L. (M)
Zmuda, E. J. (M)

West Paterson (NNJ-2) Bidermann, W. R. (M)
Knight, R. T. (M)
Mozek, G. J. (A)
Woncik, M. (A)

West Trenton (PRI-2) Kunicki , H. R. (M)

Kunicki, H. R. (M)

Westwood (NNJ-2)
Dunn, W. J. (A)
Duschka, W. A. (M)
Elwell, H. G., Jr. (M)
Gregory, G. S. (SM)
Gunderson, L. C. (M)
Hammerschmidt, A. L. (SM)
Hirsch, R. M. (SM)
O'Connell, E. P., Sr. (M)
Scharg, G. A. (A)
Spanos, W. M. (M)
Triantafellow, W. (A)
Warden, F. W. (SM)
Warden, F. W. (SM)
Ware, D. H. (M)
Zangenberg, H. E. (M)

Wharton (NNJ-2) Klapach , P. (A) Krueger , P. C. (M) Vandak , R. F. (M)

Whippany (NNJ-2)
Alley, R. E., Jr. (M)
Alsberg, A. (SM)
Anderson, A. B. (M)
Anderson, G. M. (SM)
Baird, J. A. (SM)
Baird, J. A. (SM)
Baird, J. A. (SM)
Baker, G. H. (M)
Baldwin, E. G. (M)
Barstow, J. M., Jr. (M)
Bearer, P. J. (SM)
Becraft, C. E. (A)
Bedell, E. H. (M)
Beeler, T. L. (M)
Beford, J. F. (M)
Bercaw, J. D. (M)
Bercaw, J. D. (M)
Bercaw, J. D. (M)
Bercaw, J. D. (M)
Berom, A. K. (SM)
Bohren, A. K. (SM)
Bohren, A. K. (SM)
Bohren, A. K. (SM)
Boysen, A. P., Jr. (M)
Brown, C. G. (M)
Brown, D. J. (SM)
Brown, D. J. (M)
Brown, D. J. (SM)
Brown, D. J. (M)
Conchiaro, M. (A)
Compton, H. B. (SM)
Connell, J. B. (M)
Conter, D. M. (M)
Conter, D. M.

Fuss, P. S. (M)
Gallant, R. J. (A)
Gamble, G. L. (M)
Galloth, P. K. (A)
Guercio, A. M. (M)
Guercio, A. M. (M)
Guercio, A. M. (M)
Guercio, A. M. (M)
Haber, K. H. (A)
Hall, W. N. (M)
Haber, K. H. (A)
Hall, W. N. (M)
Harmann, P. L. (SM)
Harmann, P. L. (SM)
Harmann, P. L. (SM)
Harmann, P. L. (SM)
Heber, E. (A)
Hobritan, G. D. (M)
Hoffmann, E. H. (M)
Hoffmann, G. D. (M)
Hoffmann, G. D. (M)
Hoffmann, G. D. (SM)
Johnson, J. E. (M)
Krickwood, L. W. (SM)
Kindberg, E. V. (M)
Krickwood, L. W. (SM)
Kindberg, E. V. (M)
Krauss, W. N. (M)
Krauss, W. N. (M)
Krauss, W. N. (M)
Krauss, W. N. (M)
Lappl, U. T. (A)
Lappl, U. T. (A)
Lappl, U. T. (A)
Lappl, U. T. (A)
Lasen, L. F. (M)
Leay, T. T. N. (M)
Lowelt, R. (M)
Lowelt, R. (M)
Lowy, T. N. (M)
Lowy, J. T. (SM)
Martin, J. F. P. (M)
Martin, J. F. P. (M)
Martin, J. F. P. (M)
Mattin, J. F. P. (M)
Morrison, L. N. (SM)
Mc Williams, W. H., Jr. (SM)
Mayhew, D. K. (M)
Mc Cluskey, E. J. , Jr. (M)
Mc Coy, J. C. (SM)
Mc Williams, J. E. (M)
Morrison, J. F. (F)
Morrison, J. F. (F)
Morrison, J. F. (M)
Morrison, J. C. (M)
Morrison, J. F. (M)
Morrison, J. C. (M)
Morrison, J. C. (M)
Morrison, J. C. (M)
Morrison, J. C. (M)
Morrison, J. (M)
Morrison, M.

Simons, B. H. (M)
Sinclair, R. O., Jr. (SM)
Smith, C. A. (SM)
Smith, C. A. (SM)
Smith, L. M. (M)
Smith, P. H. (F)
Souders, E. R. (M)
Spence, P. W. (M)
Splees, W. G. (M)
Staehler, R. E. (M)
Stamerjohn, L. W. (M)
Stamerjohn, L. W. (M)
Sturdy, W. W. (SM)
Sturdy, W. W. (SM)
Sturdy, W. W. (SM)
Sturdy, W. M. (SM)
Sturdy, W. (SM)
Sturdy, M. M. (SM)
Sturdy, M. H. (SM)
Tatsuguchi, J. (A)
Teeters, D. R. (SM)
Tatsuguchi, J. (A)
Teeters, D. R. (SM)
Thompson, T. H. (M)
Tidd, E. D. (M)
Tidd, W. H. (SM)
Tidd, W. H. (SM)
Tidd, W. H. (SM)
Tidd, W. H. (SM)
Tivowniey, R. K. (SM)
Ulrich, W. (M)
Von Aulock, W. H. (A)
Wade, R. J. (M)
Warmer, A. W., Jr. (SM)
Weeks, G. E. (M)
Wiley, B. (M)
Willey, B. (M)
Willey, B. (M)
Wilson, F. E. (M)
Winson, F. E. (M)
Winson, R. C. (M)
Wise, R. O. (SM)

Wise, R. O. (SM)
Wittels, J. L. (M)
Woodmansee, B. S. (SM)
Yokelson, B. J. (M)
Yostpille, J. J. (M)
Zimmerman, A. P. (M)

White House Station (PRI-2) Berkowitz, M. D. (M) Brough, J. R. (SM)

White Meadow Lake (NNJ-2) Goldstein, M. (M)

Wickatunk (NY-M-2) Grubb , W. C., Jr. (SM)

Wildwood (PHI-3)
Eberle, H. (M)
Kendall, L. B. (SM)
Maim, R. F. (M)
Pohle, C. G., Jr. (M)

Wildwood Crest (PHI-3) Barrett, C. S. (M)

Williamstown (PHI-3) Roberts , M. J. (M)

Windsor (PRI-2) Jamison , R . P . (A)

Woodbridge, (PRI-2)
Benko, G. M. (A)
Caton, W. J. (M)
Melnick, R. (M)
Morgenson, E. O., Jr. (A)
Rugg, D. A. (A)

Woodbury (PHI-3) odbury (PHI-3)
Bailey, E. S. (M)
Billstein, R. W. (A)
Comninos, D. A. (M)
De Credico, R. J. (A)
Frank, A. J. (M)
Frantz, E. C. (M)
Garcia, A. (M)
Halket, D. R. (M)
Lapp, D. N. (SM)
Neubert, H. A. Jr. (M)
Priestley, D. M. (M)
Rittman, M. C. (M)
Seeberger, L. M. (SM)
Skinner, R. L. (M)
Stark, J. Jr. (M)
Tore, A. J. (SM) Wasson, H. M. (M)

Woodcliff Lake (NNJ-2) McNally, J. P. (A) Swanson, C. A. (M) Von Kunits, P. (M)

Woodlynne (PHI-3) Mancino, V. J. (M)

Wood Ridge (NNJ-2) Robinson, K. P. (M) Yockel, A. P. (M)

Wycoff (NNJ-2) coff (NNJ-2)
Baasch, H. C. (M)
Braun, C. A. (M)
Braun, W. E. (M)
Chambers, A. B. (A)
Davis, S. J. (M)
Foley, R. M. (M)
Lorenzo, A. M. (A)
Marshall, R. A. (A)
Menes, H. (M)
Oesterle, A. G. Jr. (M)
Perry, M. F. (A)
Poch, S. (M)
Troast, W. H. (A) Watson, W.E. (A) NEW MEXICO

Alameda (A-LA-7) Hopkins, L. A., Jr. (M)

Alamogordo (ALA-H-7) Alfie, C. L. (SM)
Amold, N. E. (A)
Baker, R. E. (M)
Berg, B. V. (M)
Birkholz, R. L. (A)
Boedy, D. D. (M)
Brownan, W. G. (M)
Breunig, K. H. (M)
Christensen, R. L. (M)
Clark, C. E. (A)
Cloon, R. E. (A)
Cloon, R. E. (A)
Cloon, R. E. (A)
Crowther, E. E. (M)
Decker, D. D. (M)
Dodd, S. C. (M)
Driscoll, M. W. (SM)
Di Bose, T. I. (M)
Ebersole, H. R. (M)
Ebersole, H. R. (M)
Ehnl, F. P. (A)
Gatton, H. F. (SM)
Gladkowski, E. R. (M)
Gladkowski, E. R. (M)
Hollow, R. C. (M)
Hollow, R. (M)
Hollow Truttle, J. B. (M)
VellIquette, H. R. (A)
VellIquette, H. R. (A)
Wall, D. E. (M)
Warnock, R. L. (SM)
Weber, M. E. (M)
Weber, M. E. (M)
Wejssenborn, H. E. (M)
Welssenborn, H. E. (M)
Wells, B. D. (A)
Whitley, G. E. (M)
Wilkie, R. C. (M)
Wilkie, R. D. (A)
Williamson, C. A. (A)
Williamson, C. A. (A)
Wirth, M. T. (M)
Woody, W. C. (M)
Yanlck, S. J. (A)
Zagone, P. V. (M)
Zimmerman, B. L. (A)

uquerque (A-LA-7)
Abeyta, G. A. (M)
Adams, R. E. (M)
Adams, R. E. (M)
Aden, R. D. (A)
Alten, B. O. (A)
Alten, B. O. (A)
Alten, L. J. (M)
Alls, C. R. (M)
Amerson, G. W., Jr. (M)
Anderson, H. L. (M)
Anderson, W. L. (M)
Anderson, W. L. (M)
Arnotd, J. A. (M)
Arnotd, J. A. (M)
Arnotd, J. A. (M)
Arnotd, J. A. (M)
Barband, C. (SM)
Bachand, C. (SM)
Bacher, J. R. (M)
Bacher, R. P. (M)
Baltey, V. A. (A)
Baerwald, H. G. (SM)
Barlow, W. J. (M)
Barlow, W. J. (M)
Barlow, W. J. (M)
Barranger, B. J. (A)
Basoce, B. L. (SM)
Balott, J. C. (M)
Belote, J. C. (M) Albuquerque (A-LA-7) Jr (M) Bentz, R. D. (A)

Bemer, R. R. (M)
Bessent, C. L., Jr. (M)
Bessent, C. L., Jr. (M)
Bidwell, C. H. (SM)
Bircher, P. H. (M)
Bishop, R. H. (M)
Bishop, M. H. (M)
Boettcher, G. E. (A)
Boungeols, N. A. , Jr. (M)
Brassfield, J. R. (M)
Brassfield, J. R. (M)
Briggs, G. U. (M)
Briggs, J. B. (A)
Brooks, E. P. (M)
Brown, W. L. (M)
Brown, W. L. (M)
Brown, W. L. (M)
Brown, W. L. (M)
Brown, W. C. (M)
Buffer, B. B. (A)
Bunn, J. R. (A)
Carlson, W. F. (M)
Connell, J. C. (M)
Cohen, A. C. (M)
Cohen, A. C. (M)
Cohen, A. C. (M)
Cook, K. W. (M)
Cooper, W. K. (M)
Cooper, W. K. (M)
Cooper, W. K. (M)
Cordovan, H. B., II (A)
Cordovan, M. A. (M)
Dayls, G., Jr. (M)
Dayls, G., Jr. (M)
Dayls, G., Jr. (M)
Dayls, G., Jr. (M)
Downs, G. G. (M)
Downs, R. F. (M)
Ellingson, A. C. (M)
Ellingson, A. C. (M)
Ellingson, A. C. (M)
Ellingson, A. C. (M)
Ellingson, A. R. (M)
Ereanadez, H. M. (M)
Finch, H. D. (M)
Ereanadez, H. M. (M)
Finch, H. D. (M)
Ereanadez, H. M. (M)
Finch, H. D. (M) Finch, H. D. (M)
Findlay, J. H. (SM)
Fisher, H. V., Jr. (M)
Fisher, H. V., Jr. (M)
Fisher, C. L. (M)
Fielsner, C. L. (M)
Fielsner, C. L. (M)
Fieltcher, E. E. (M)
Fieltcher, E. R. (M)
Figner, O. M. (M)
Ford, R. M. (M)
Ford, R. M. (M)
Forder, C. E. (M)
Foster, C. R. (SM)
French, G. (SM)
French, G. (SM)
French, G. SM)
French, G. (SM)
French, G. A. (SM)
French, G. A. (SM)
French, G. A. (SM)
French, G. J. (SM)
Goster, C. T. (M)
Gallin, H. E. (M)
Gebert, C. T. (M)
Gelt, P. A. (M)
Gewln, F. J. (SM)
Glaze, E. W. (M)
Goss, F. A. Jr. (SM)
Goss, F. A. Jr. (SM)
Grannemann, W. W. (M)
Greene, G. A. (M)
Greene, G. A. (M)
Gross, J. E. (SM)
Grover, R. K. (M)
Hampy, R. E. (M)

Hansen, V. W. (M)
Hanson, R. E. (M)
Harrison, S. E. (M)
Harrison, S. E. (M)
Harrison, S. E. (M)
Harrison, S. E. (M)
Harrison, T. V. (M)
Herry, D. E. (M)
Herry, D. E. (M)
Herry, D. E. (M)
Herry, D. E. (M)
Herry, W. E. (M)
Herry, M. E. (M)
Herry, M. E. (M)
Holden, J. E. (A)
Hinds, D. R. (M)
Holden, J. E. (A)
Hinds, D. R. (M)
Holden, J. E. (M)
Holden, J. M. (M)
Jacobs, H. J. (M)
Jacobs, H. J. (M)
Joessen, P. L. (M)
Joessen, P. L. (M)
Johnson, R. O. (A)
Johnson, R. O. (A)
Johnson, R. O. (A)
Johnson, R. O. (M)
Johnson, M. C. (M)
Johnson, R. M. (M)
Kedy, R. J. (M)
Kellom, A. W. (M)
Kellom, A. W. (M)
Kellom, A. W. (M)
Koschmann, A. H. (A)
Lucher, D. H. (M)
Lawrence, B. J. (SM)
Lawrence, B. J. (SM)
Lawrence, R. M. (SM)
McCambel, C. B. (M)
McCambel, C. M. (M)
Moror, W. M. (M)
Moror

Moy, L. L. (M)
Myers, R. D. (A)
Myers, V. Y., Jr. (M)
Myers, V. Y., Jr. (M)
Myers, V. Y. Jr. (M)
Myers, V. Y. Jr. (M)
Myers, V. Y. Jr. (M)
Newln, G. C. (M)
Newln, G. C. (M)
Newson, M. (M)
Newson, M. (M)
Nobier, R. P. (M)
Nobier, R. P. (M)
Nobier, R. P. (M)
Nober, R. P. (M)
Nober, R. P. (M)
O'Hara, G. F. (A)
O'Nan, R. L. (M)
Osborn, W. F. (M)
Pace, E. C. (A)
Pace, T. L. (SM)
Paddlson, L. J. (M)
Paddlson, L. J. (M)
Paddlson, L. J. (M)
Paddlson, L. J. (M)
Padlla, D. J. (A)
Pafford, W. B. (M)
Palmer, J. E. (SM)
Palmer, P. R. (M)
Polalus, W. K. (M)
Peckham, V. D. (A)
Permueller, A. D. (A)
Permueller, A. D. (A)
Petty, W. E. (M)
Polakowski, W. G. (M)
Polakowski, W. G. (M)
Polakowski, W. G. (M)
Porter, J. R. (M)
Polakowski, W. G. (M)
Porter, J. R. (M)
Polakowski, W. G. (M)
Porter, J. R. (M)
Radman, N. T. (A)
Ray, B. M. (SM)
Ray, B. M. (SM)
Ray, H. K. (M)
Read, G. R., Jr. (M)
Redberg, J. C. (M)
Reineke, R. G. (A)
Reinles, J. C. (M)
Reineke, R. G. (A)
Reinles, J. C. (M)
Reineke, R. G. (A)
Reinles, J. C. (M)
Roberts, R. W. (SM)
Robert, J. L. (A)
Rogers, W. J. (A)
Schaff, J. H. (A)

Watkins, L. C., Jr. (SMO Watson, D. E. (M) Weber, M. (SM) Welmer, R. E. (A) Werngarten, D. H. (M) Wentz, J. L. (A) West, R. E. (A) Westcott, H. S. (M) Weston, B. J. (M) Weston, B. J. (M) White, D. J. (M) White, D. J. (M) Wilder, R. E. (M) Wilder, R. H. (A) Williams, C. S., Jr. (M) Williams, R. H. (A) Worden, O. L. (M) Wrigir, P. H. (M) Wrigir, P. H. (M) Wyatt, J. C. (M) Yrisari, E., Jr. (A) Zeller, T. R. (A)

Belen (A-LA-7) Douglass , T . F . (M)

Cannon AFB (A-LA-7) Bellmore, M. (M)

Caprock (EP-6) Croft, C. E. (A)

Cedar Crest (A-LA-7) Miller, G. L. (M) Roeschke, C. W. (SM)

Cimarron (A-LA-7) Kohihousen, C. J. (M)

Cloudcroft, (ALA-H-7) Benton, C. U. (M)

Continental Divide AFS (A-LA-7) Evitt, W. B. (A)

Farmington (A-LA-7) Bowles, M. E. (M)

High Rolls (ALA-H-7) Biliups, E. E. (M) Willard, D. S. (M)

Hobbs (EP-6) Terry, W. D. (A)

Terry, W. D. (A)

Holloman AFB (ALA-H-7)
Artery, H. D. (M)
Ashmore, T. G. (M)
Bean, H. T. (M)
Carlson, H. A. (M)
Doherty, J. M. (M)
Doherty, J. M. (M)
Johnson, C. L. (A)
Johnson, C. L. (A)
Johnson, W. H. (M)
Klefer, C. F., Jr. (M)
Koelner, K. H. (M)
Miller, J. C. (M)
Morty, D. H. (M)
Miller, J. C. (M)
Morty, R. E. (M)
Morty, P. L. (A)
Nolte, J. C. (M)
Tomilnson, Z. G. (A)
Nolte, J. C. (M)
Tomilnson, Z. G. (A)
Vicek, D. H. (SM)
Wagner, H. E. (M)
Wagner, H. E. (M)
Wagner, H. E. (M)
Waterman, A. (A)
Wenk, R. L. (A)

Kirtland AFB (A-LA-7) Gayron, G.S.(M) Kennedy, M.J.(M) Kuras, A.C. (M)

Las Cruces (EP-WS-6) Barton, J., Jr. (M) Bennett, A. O. (A) Bennett, A. O. (A)
Boone, B. B. (A)
Boone, B. B. (A)
Brown, C. K. (M)
Crashine, I. L. (A)
Castillo, H. T. (M)
Clary, B. J. (M)
Coffee, T. A. (M)
Coleman, H. (SM)
De Rosa, A. L. (A)
Ecklund, R. E. (A)
Embree, O. D. (M)
Fels, F. E. (A)
Goldin, M. (M)
Haas, H. W. (M)
Hemingway, F. S. , Jr. (M)
Hill, P. D. (M)
Jensen, W. V. (M) Hill, P. D. (M)
Jensen, W. V. (M)
Johnson, G. E. (M)
Johnson, G. E. (M)
Kimball, V. L., Jr. (SM)
Krelter, C. E. (M)
Linn, H. B. (M)
Maestas, J. F. (M)
Malone, C. P. (M)
Miller, V. L. (M)
Mills, J. C. (M)
Owen, R. L. (M)
Pearson, M. R. (M)
Pedue, J. D. (SM)

Pickel, A. B. (A)
Prado, D. (M)
Reld, J. G. (M)
Sedillo, J. N. (A)
Sedillo, J. N. (A)
Smith, M. E. (M)
Taylor, H. V. (M)
Taylor, L. S. (M)
Wagner, N. (A)
Welch, C. M. (SM)
Wood, L. S. (M)
Young, R. J. (M)

Las Vegas (A-LA-7) Proctor, B. M. (A)

Los Alamos (A-LA-7)
Alello, W. P. (M)
Aprill, G. P. (M)
Baker, D. A. (M)
Boyd, T. J. Jr. (A)
Briscoe, W. L. (SM)
Charmatz, A. W. (M)
Crew, W. H. (SM)
Deal, J. B., Jr. (M)
Demuth, H. B. (M)
Doremire, F. E. (SM)
Fagan, P. (SM)
Field, W. R. (M)
Freyman, R. W. (SM)
Gilland, J. R. (M)
Gilascock, R. B. (M)
Gilascock, R. B. (M)
Gilascock, R. B. (M)
Gray, R. W. (SM)
Greenwood, A. H. (A)
Hale, L. C. (M)
Hayes, B. (M)
Helmer, R. J. (A)
Helbert, R. D. (SM)
Hull, D. E. (SM)
Janney, D. H. (M)
Janney, D. H. (M)
Janney, D. H. (M)
Lamb, J. K. (SM)
Lamb, J. K. (SM)
Lamb, J. K. (SM)
McCloud, B. J. (M)
McCloud, B. J. (M)
McCloud, B. J. (M)
McMellife, A. R. (M)
McMelliffe, A. S. (SM)
Radmilfe, A. R. (M)
Singer, D. (M)
Singer, S. (SM)
Rudnick, P. (SM)
Staperhon, R. E. (M)
Stephenson, D. L. (M)
Welntraub, L. (A)
Wilson, A. E. (M)
Welntraub, L. (A)
Wilson, J. G. (M)
Wilstman, F. E. (M)

Portales (A-LA-7) Johnson, C. K. (M)

Raton (A-LA-7) Maciszewski, A. H. (SM)

Roswell (EP-6)
Harrison, P. L. (M)
Hill, D. L. (A)
Kendall, R. N. (M)
McKee, C. W. (VA)

Sandia Park (A-LA-7) Yearout, D. K. (A)

Sandoval (A-LA-7) Smlth, W. T. (SM)

Santa Fe (A-LA-7) Blckford, K. F. (A) Bookwalter, E. C. (A) Brown, E. A. (A) Brown, E. A. (A)
Corkran, R. E. (A)
Doles, A. E. (M)
Fisher, R. C. (A)
Ford, W. R. (M)
Gardiner, T. (M)
Heyman, H. (SM)
Martin, C. F. (M)
Wilcoxon, H. O. (M)

Socorro (A-LA-7) Loftus, R. P. (A)
Manley, D. W. (M)
McFarland, J. H. (A)
Pawkett, L. E. (M)
Pickett, H. (M)

Springer (A-LA-7) McDowell , J . K . (M)

State College (EP-WS-6) Duncan, R. H. (M) Kepner, P. E. (M) La Fleur, W. (M) Miller, G. W., Jr. (M) TiJeras (A-LA-7)
Caldes, W. E. (SM)
Middelton, A. D. (SM)
Stout, K. D. (M)

Tucumcarl (A-LA-7) Laritson, L. P. (M)

Tularosa (ALA-H-7) Lecrone, J. G. (A) Suska, J. T., Jr. (M)

Suska, J. T., Jr. (M)

White Sands Missile Range (EP-WS-6)
Albert, J. A. (M)
Anderlin, D. R. (M)
Anderson, E. E. (A)
Boor, R. A. (M)
Crocker, B. G. (A)
Ender, A. (M)
Enright, D. J. (M)
Hubbell, P. G. (M)
Lippke, B. R. (M)
Mayfield, W. H. (M)
Moss, E. C. (M)
Polick, C. (M)
Polick, C. (M)
Polick, C. (M)
Sommartz, O. A. (M)
Sommartz, O. A. (M)
Sommartz, O. A. (M)
Sommartz, O. A. (M)
Taylor, L. H. (M)
NEW YORK

Accord (NY-MH-2)

Accord (NY-MH-2) Pagel, R. W. (M)

Afton (BING-1) Lavender, R. W. (M)

Akron (BN-1) Mech, H. D. (A) Neubauer, R. A. (M)

Neubauer, R. A. (M)

Albary (SCH-1)

Anastas, D., Jr. (M)

Blau, C. C. (A)

Bloonsburg, R. A. (M)

Bogosslan, Z. (M)

Carleton, L. K. (M)

Carleton, L. K. (M)

Christo, N. (A)

Dallymple, J. (A)

Dewire, D. S. (SM)

Levitas, A. (M)

Levitas, A. (M)

Lorch, J. (M)

Murer, J. W. (M)

Murer, J. W. (M)

Muth, J., Jr. (M)

Portanova, M. C. (M)

Schwedock, S. (M)

Sethwedock, S. (M)

Tewell, J. R., Jr. (M)

Wade, W. T. (M)

Albertson (LI-2) Corrado, V. M. (A)
Delore, G. E. (A)
Georges, M. J. (A)
Kelvin, W. (M)
Shimer, R. B. (M)
Sullivan, G. D. (M)
Westman, H. P., Jr. (M)

Alden (BN-1)
Allen, J. K. (M)

Alfred (ELM-C) Burzycki, M. (M)

Allegany (BN-1) Stelger, A.E. (A)

Alplaus (SCH-I) Robinson, D. (M) Story, R. W. (M)

Altamont (SCH-1)
Bleichner, C. W. (SM)
Fortington, W. H. (M)
Hutchinson, D. F. (M)
Pennoyer, R. T. (SM)

Pennoyer, R. T. (SM)

Amityville (LI-2)

Baker, W. G. (M)

Barone, S. A. (SM)

Brockner, C. E. (SM)

Chadwick, J. H., Jr. (M)

Cosmas, A. (M)

Forsberg, A. W. (SM)

Frank, F. P. E. (A)

Isherwood, H. (M)

Kryer, G. (SM)

Martin, J. L. (M)

Minto, E. W. (A)

Palmer, W. (F)

Pearsail, C. H., Jr. (M)

Schabbehar, E. A. (M)

Sixbey, S. R. (M)

Suart, A. F. (M)

Wolber, R. R. (M)

Zeluff, I. S., Jr. (SM)

Amsterdam (SCH-1) Bohanske, T. A. (M) Borck, C. A. (SM) Brown, J. E. (M) Garratt, P. M. (M) Warren, D. W. (M) Wright, P. H. (M)

Angola (BN-1) Olney, V.W.(M) Riker, C.E.(A)

Apalachin (BING-1)
Betts, W. K. (M)
Bird, C. M. (M)
Frank, D. E. (M)
Frank, D. E. (M)
Frizzell, J. H. (M)
Joseph, D. L. (A)
Obsharsky, P. (M)
Park, D. M. (A)
Schaaf, F. W. (A)
Schaaf, F. W. (A)
States, D. M. (A)
Sweet, M. E. (M)
Walter, R. K. (M)
Wood, E. W. (M)

Ardsley (NY-W-2) Graveson, R.T.(M) Presiholdt, O.(M)

Armonk (NY-W-2) Hector, L. G. (SM)
Lawton, L. M., Jr. (M)
Northen, W. C. (M)
Porterfield, E. A. (M)

Astoria (L1-2)
Arzenati, M. H. (A)
Benesch, E. J. (M)
Breltzer, D. I. (M)
Chittick, C. (A)
Davis J. T. (M)
Fitzgerald, D. J. (A)
Fiax, M. J. (M)
Lubell, P. D. (M)
Mitchell, J. R. (A)
Odabashian, H. (A) Mitchell, J. R. (A)
Perlni, H. R. (A)
Perrlni, H. R. (A)
Perrlni, H. R. (A)
Perrlni, D. G. (A)
Perrocelli, V. (M)
Phanos, S. (M)
Pighl, L. H. (M)
Proscia, J. L. (A)
Spirakis, P. (M)
Strauss, H. J. (M)
Taylor, A. (M)
Termini, F. A. (A)

Atlantic Beach (LI-2) Harvey, A. J. (A)

Attica (ROC-1) Frazer, A. W., Jr. (SM)

Auburn (SYR-1)
Blanchard, J. W. (M)
Boedicker, D. J. (M)
Byms, R. E. (M)
Driskill, R. D. (M)
Dyer, R. F., Jr. (A)
Grenier, G. H. (M)
House, H. J. (A)
Neppel, W. C. (M)
D'Connor, C. R. (A)
Richardson, T. F., Jr. (M)
Wagner, B. F. (M)
Wellman, C. E., Jr. (M)
Wolf, G. T. (M)

Aurora (SYR-1) Willy, J. R. (M)

Avon (RDC-1) Maione, W. J. (A)

Malone, W. J. (A)

Babylon (L1-2)
Anderson, R. G. (M)
Biggs, E. M., Jr. (M)
Biell, F. J. (SM)
Brown, M. W., Jr. (M)
Dudlek, G. R. (M)
Dudley, D. J. (M)
Gollhofer, P. J. (M)
King, R. E. (M)
Lindberg, R. (A)
Lory, J. (M)
Morfin, H. W. (A)
Picone, J. D. (M)
Rafferty, W. G. (M)
Siegel, L. I. (M)
Spillane, L. R. (M)
Szuchy, N. C. (A)
Trinkle, F. J. (M)
Walsh, C. (SM)

Baldwin (L1-2)

Baldwin (LI-2) dwin (LI-2)
Allen, H. E. (SM)
Brown, W. J. (M)
Constable, R. C. (M)
Dayton, F. R. (M)
Fogelberg, J. E. (A)
Karron, G. A. (M)
Lautenberger, H. W. (M)
MacHill, J. (SM)
McConaughy, R. L. (M)
McCovy, L. L. (A)
McGowan, T. C. (M)
Ozolins, I. (A)
Plotkin, A. A. (A)
Rhodes, B. S. (M) Selde, L. M. (A) Shelton, P. W. (A) Solbrig, A. L. (A) Thomson, H. C. (M) White, C. E. (A) Wohleking, W. G. (M)

Baldwin Harbor (LI-2) Krieger, K. C. (M)

dwinsville (SYR-1)
Blodgett, A. R. (M)
Bloomquist, R. G. (M)
Bloomquist, R. G. (M)
Burker, W. M. (M)
Burls, H. A. (M)
Chapin, W. T. (SM)
Chapin, W. T. (SM)
Christensen, W. M. (M)
Clinton, T. G. (M)
Cottle, D. W. (M)
Cottle, D. W. (M)
Cottle, D. W. (M)
Cowan, F. C. (A)
Craig, E. L. (M)
Cummings, S. J. (M)
Custin, T. G. (M)
Dodge, P. A. (M)
Dodge, P. A. (M)
Hidebrandt, H. J. (M)
Hidebrandt, H. J. (M)
Jensen, R. C. (SM)
Jones, D. V. (SM)
Jones, D. V. (SM)
Jones, D. V. (SM)
Jones, D. V. (SM)
Maicher, C. L. (M)
Mathis, V. P. (SM)
North, S. M. (M)
Powell, R. A. (A)
Putschi, H. N. (M)
Rhodehamel, A. J. W. (M)
Schiro, A. R. (M) Baldwinsville (SYR-1) Putschi, H. N. (M)
Rhodehamel, A. J. W. (M)
Schiro, A. R. (M)
Steams, H. F. (M)
Vahle, J. (M)
Wainright, J. A. (SM)
Winchester, D. S. (M)
Wood, R. F. (M)
Young, G. G. (SM)

Ballston Lake (SCH-1)
Beattle, C. L. (A)
Blume, A. E. (SM)
Coffey, W. N. (M)
Jachym, T. M. (M)
Krueger, D. H. (M)
Pinkstaff, J. R. (A)
Spalding, J. F. (M)
Stokoe, R. H. (M)
Truax, C. J. (M)
Whitten, J. R. (M)

Ballston Spa (SCH-1) Harrison, C. L.(A)

Barneveld (RU-1)
Galge, J. C. (M)

Batavia (ROC-1)
Abboud, F. L. (A)
Baishiki, S. (M)
De Marinis, J. V. (M)
Drummeter, W. (M)
Henry, F. T. (M)
Kwit, C. J. (A)
Lanzo, F. J. (A)
Lofton, J. H. (M)
Pieck, H. (M)
Richardson, D. A. (M)
Taylor, D. R. (M)
Thalner, R. R. (SM)

Bath, (ELM-C-1)
Barney, W. H., Jr. (M)
Evon, J. (M)
Fink, J. H. (M)
Fleck, W. (S M)
Haley, A. J. (M)
Massey, W. F. (M)
Merritt, S. (M)
Overholts, R. W. (M)
Payne, W. J. (M)
Szilasi, A. (S M)
Wise, L. J. (A) Wise, L. J. (A)

Bayport (LI-2) Watson, R. F. (M)

Bayshore (LI-2)
Koch, E.J. (M)
Kopp, R.E. (M)
Laity, I.A., Jr. (M)
Melliger, A. W. (M)
Robertson, C. A. (A)
Rosenthal, R. F. (M)
Scars, R. A. (A)
Weersing, N. O. (A)

weersing, N. O. (A)

Bayside (Li-2)
Averett, S. S. (M)
Baasch, T. L. (M)
Bartram, R. H. (A)
Battaglia, C. V. (M)
Battle, R. P. (SM)
Bermstein, J. L. (M)
Biss, J. (M)
Bioom, L. R. (SM)
Bium, R. J. (A)
Bodenburg, J. F. (SM)
Bohn, R. (A)
Bracco, D. J. (M)

Carfiaux, J. A. (SM)
Canadeo, G. N. (A)
Canver, F. (A)
Cohen, B. (A)
Cohen, B. (A)
Cohen, J. (M)
Cotlas, A. P. (M)
Costa, T. A. (M)
D'Avola, S. B. (M)
De Plola, F. J. (M)
Doyle, E. J. (M)
Doyle, E. J. (M)
Doyle, E. J. (M)
Ellefson, B. S. (F)
Eng, J. W. (SM)
Engle, D. C. (M)
Fabricant, B. S. (M)
Feltzin, A. (M)
Fillefson, B. S. (M)
Fabricant, B. S. (M)
Fabricant, B. S. (M)
Fabricant, B. S. (M)
Fabricant, G. (M)
First, D. (SM)
First, D. (SM)
Gradler, C. E. (M)
Gardler, C. E. (M)
Gardler, J. (M)
Gardler, J. (M)
Golick, S. (A)
Goldman, I. (SM)
Golder, J. (M)
Golock, S. (A)
Gorowitz, M. (M)
Grazda, E. E. (M)
Gross, J. (M)
Gross, J. (M)
Harrison, R. I. (M)
Harrison, S. W. (SM)
Hollander, J. M. (M)
Howell, D. M. (M)
Hurley, E. T. (M)
Howell, D. M. (M)
Hurley, E. T. (M)
Howell, D. M. (M)
Hurley, E. T. (M)
Howell, D. M. (M)
Howell, D. M. (M)
Hurley, E. T. (M)
Morry, H. (M)
Morry, H. (M)
Necke, P. H. (M)
Keropoulos, L. (M)
Lepic, R. E. (M)
Liber, S. (M)
Lowenschus, O. (SM)
Lubkin, S. (SM)
Mazzochi, J. J. (M)
Mazloy, J. R. (M)
Malang, A. W. (A)
Marx, J. (SM)
Mazzochi, J. J. (M)
Noody, J. R. (M)
Noody, J. R. (M)
Noody, J. R. (M)
Noody, J. R. (M)
Noller, R. J. (M)
Saalborn, C. G. (M)
Shaler, G. J. (M)
Ressler, H. C. (SM)
Romano, M. (A)
Rosen, B. (M)
Sonenschein, A. H. (SM)
Spero, W. I. (M)
Saalborn, C. (M)
Sigel, R. (M)
Sonenschein, A. H. (SM)
Spero, W. I. (M)
Sigel, R. (M)
Sonenschein, A. H. (SM)
Spero, W. I. (M)
Troxler, L. J. (SM)
Troxl

Bayville (Li-2) ville (Li-2)
Bartolomel, G. G. (M)
Finn, E. C. (A)
Forker, L. W. (A)
Krumbeln, J. (A)
Morenz, P. W. (A)
Porter, S. T. (M)
Savino, R. T. (A)
Yee, H. (M)

Beacon (NY-MH-2) Conover, D. G. (A) Craft, J. L. (M) Cummings, C. E. (M) Zakarlas, I. (M)

Beaver Dams (ELM-C-1) Marshall, D. E. (A)

Bedford Village (NY-W-2) Miccioll, A. A. (M)

Beechhurst (LI-2) Coundjerls, A. (SM) Seeloo, T. F. (M) Bellatre (LI-2) Amato, J. A. (M)

Belle Harbor (L1-2) Schure , A . (M) Williamson , R . T . (A)

Bellerose (LI-2) Albert, A. D. (M) Altman, D. (A) Blss, R-E. P. (M) Bond, D. A. (A) DISS, R-E. F. (M)
Bond, D. A. (A)
Burger, J. H. (A)
Daly, J. M. (M)
Farber, H. (SM)
Frey, H. E. (M)
Geyer, R. E. (M)
Greenberg, D. R. (M)
Homeyer, W. (M)
Kashkin, R. (M)
Loeffler, W. J., Jr. (M)
Malchman, F. L. (A)
Marcus, S. (A)
McDonald, J. F., Jr. (M)
Matson, D. L. (M)
Merchant, C. C. (M)
Peters, F. H. F. (A)
Tramposch, W. J. (M)
Wengryn, M. (M)

Bellerose Manor (LI-2) Buchsbaum, W. H. (SM)

Belimore (LI-2)
Briggs, E. Z. (A)
Delier, P. P. (A)
Dvorak, C. J. (M)
Glaser, E. M. (SM)
Jackson, C. H. (M)
Leopold, R. (SM)
Parke, H. G. (M)
Tocci, D. P. (M)
Wellman, F. C. (M)

Bellport (LI-2) Madey, R. (M)

hpage (LI-2)
Algase, L, I. (SM)
Barlowe, M. (A)
Barlowe, M. (A)
Borner, R. D. (M)
Bronstein, F. (A)
Culten, F. P. (M)
Fried, G. (A)
Gamble, J. H. (M)
Glola, J. (A)
Gamble, J. H. (M)
Glola, J. (A)
Jones, M. W. (A)
Lipset, L. B. (M)
Madigan, J. P. (A)
Madigan, J. P. (A)
Morrow, P. F. (M)
Nelson, V. H. (M)
Nelson, V. H. (M)
Nelson, V. H. (M)
Nelson, P. (M)
Noral, P. (M)
Noral, P. (M)
Noral, P. (M)
Schlemer, R. G. (M)
Rinkel, S. A. (M)
Rinkel, S. A. (M)
Russell, D. H. (M)
Schlemm, N. H., Jr. (M)
Schlemm, N. H., Jr. (M)
Schlemm, N. H., Jr. (M)
Schumacher, J. H. (A)
Trock, R. (SM)
Yarnell, W. M. (A) Bethpage (LI-2)

Big Flats (ELM-C-1) Howe, L. H. (M)

Big Flats (ELM-C-1)
Howe, L. H. (M)
Binghamton (BING-1)
Angehrn, T. W. (M)
Baste, A. C. (M)
Barrentine, W. M. (M)
Bartholy, F, E. (M)
Bechtol, H. D. (SM)
Bishop, R. J. (M)
Berthol, H. D. (SM)
Bishop, R. J. (M)
Berthol, H. D. (SM)
Bishop, R. J. (M)
Corderman, S. A. (M)
Dey, R. C. (M)
Dey, R. C. (M)
Decker, D. M. (M)
Decker, D. M. (M)
Decker, G. A. (VA)
Dibb, G. (M)
Foss, F. A. (M)
Gilbert, H. G. (SM)
Hallinan, C. (M)
Harver, W. W. (SM)
Hemstreet, H. S. (SM)
Hersteld, G. M. (M)
Hicken, J. (SM)
Higus, P. T. (A)
Hilburn, E. D. (A)
Jumbeck, G. I. (A)
Kilnko, E. H. (A)
Kornbluh, A. J. (A)
Lahey, P. J. (M)
Laws, L. C. (A)
Ling, C. T. (SM)
Mason, R. K. (A)
Malhot, P. J. (M)
Mason, R. K. (A)
Michell, J. (A)
Napherala, R. J. (A)
Napherala, R. J. (A)
Napherala, R. W. (M)
New, R. F. (M)

Northrup, R. M. (M)
Oldwine, C. V. (A)
Potts, R. (A)
Pratt, R. J. (A)
Reed, G. G. (A)
Rloclardelll, G. (M)
Richter, K. E. (M)
Saman, C. D. (A)
Sanneman, R. A. (A)
Schmid, H. (A)
Schmid, H. (A)
Stantz, L. H. (SM)
Stastak, R. J. (A)
Vignos, J. P. (M)
Warner, D. P. (M)
West, J. L. (SM)
Wilkinson, R. H. (M)
Zimmerman, D. O. (M)

Black Creek (ELM-C-1) Lewis, R. M. (M)

Bloomington (NY-MH-2) Loekle, O. J. (A)

Blossvale (RU-1) Vogel, G. J. (A)

Blue Point (LI-2) Field, P. L. (M) McCullough, T. (A)

Bohemia (LI-2) Halek, S. J. (M)

Boston (BN-1) Drankhan, V. C. (M)

Bowmansville (BN-1) Lindberg , E . (M)

Breesport (ELM-C-1) Scullin, C. H. (M)

Brentwood (Li-2) Carroll, J. J. (A) Gould, G. B. (M) Johnson, D. E. (A)

Brewerton (SYR-1) Tooley, C. E. (A)

Brewster (NY-2)
Blumenfeld, A. (M)
Dreher, C. (F)
Dunford, W. (A)
Hemming, C. B. (M)
Lauer, E. K. (M)
Siegert, R. R. (M)

Briarciiff Manor (NY-W-2)
Brooks, L. P. (M)
Burditt, W. F. (A)
Campbell, J. P. (SM)
Drubin, M. (M)
Edwards, A., Jr. (M)
Ellen, N. A. (SM)
Fried, W. R. (SM)
Grossman, R. (M)
Henderson, N. C. (A)
Marinace, R. C. (A)
Petrillo, B. J. (M)
Stavis, G. (SM)
Stitzer, J. (M)
Stutmer, J. N. (A)
Sutherland, C. M. (M)
Urban, C. (M)

Briarwood (LI-2) Nemeroff, I. (A) Ney, A. L. (M) Podall, B. A. (M) Schniebolk, R. J. (M)

Brightwaters (LI-2)
Becker, S. (M)
Faltin, J. W. (SM)
Gelger, J. M. (M)
Hansen, J. P. (SM)
Kramer, S. I. (SM)
Lang, J. G. (VA)
Margolin, J. (M)

Bronx (NY-2)
Abrevaya, E. (M)
Ackerman, D. D. (M)
Alfleri, G. J. (A)
Altamuro, F. V. (A)
Anaya, F. J. (M)
Asher, R. L. (M)
Aubrey, G. (M)
Auerbach, V. (M)
Barlan, H. (M)
Barkey, R. (M)
Baumoel, D. (M)
Beatket, J. (M)
Berder, L. (A)
Bertan, H. S. (M)
Bilanco, S. G. (A)
Birenbaum, L. (M)
Blauco, S. G. (A)
Birenbaum, L. (M)
Blauco, S. G. (A)
Birenbaum, R. (M)
Blauselin, S. E. (M)
Bloes, S. (M)
Boles, S. (M)
Boles, S. (M)
Bregman, M. W. (M)
Bregman, M. W. (M)
Bregman, M. W. (M)

Campbell, G. M. (A)
Caracenl, J. S. (M)
Cash, W. I. (M)
Cash, W. I. (M)
Chenzit, L. (M)
Chellik, P. (M)
Cheng, T. (M)
Cohen, A. B. (M)
Cohen, M. L. (M)
Donarder, J. J. (M)
Demby, S. J. (M)
Des Salvo, A. F. (S M)
Divins, B. (A)
Dolan, D. T. (M)
Divins, B. (A)
Dolan, D. T. (M)
Dugandzic, P. F. (A)
Dolan, D. T. (M)
Egan, W. E. (A)
Farrand, C. L. (F)
Farrapo, R. J. (A)
Federing, A. M. (M)
Fisch, R. A. (M)
Fisch, R. A. (M)
Fisch, R. A. (M)
Fisch, R. A. (M)
Gridberg, I. (A)
Federing, A. M. (M)
Gallit, E. J. (A)
Gersteln, M. G. (A)
Gersteln, M. G. (A)
Gersteln, M. G. (A)
Grabel, A. (M)
Grabel, A. (

Raship, M. (M)
Reich, S. M. (M)
Reich, S. M. (M)
Reich, S. M. (M)
Reids, E. (M)
Riders, A. T. (A)
Riders, A. T. (A)
Rimal, E. (M)
Rocchio, J. J., Jr. (M)
Rocchio, J. J., Jr. (M)
Rosenfeld, A. (M)
Salla, M. (M)
Scharf, G. (M)
Scharf, G. (M)
Schard, E. (M)
Schard, C. (M)
Schard, C. (M)
Schinelder, R. A. (M)
Schinelder, R. (M)
Schinelder, S. (M)
Schinelder, S. (M)
Schinelder, M. (M)
Schinelder, S. (M)
Schinelder, S. (M)
Schinelder, G. (M)
Schinelder, S. (M)
Schinelder, M. (M)
Schinelder, M. (M)
Schinelder, J. (M)
Schinelder, S. (M)
Schinelder, S. (M)
Schinelder, S. (M)
Schinelder, S. (M)
Schinelder, J. (M)
Schinelder, M. (M)
Schinelder, M. (M)
Schinelder, J. (M)
Schinelder, J. (M)
Welsender, J. (M)
Welsender, J. (M)
Welsender, J. (M)
Welsender, L. (M)
Welsender, L. (M)
Welsender, L. (M)
Verland, J. (M)
Welsender, L. (M)
Verland, J. (M)
Welsender, L. (M)
Verland, J. (M)
Verland,

Luschin, n. L. (A)

Bronxville (NY-W-2)

Angevine, R. A. (M)

Aslan, E. E. (M)

Bein, W. (SM)

Davis, M. (M)

Grossman, H. (SM)

Halsall, M. (A)

Langley, R. H. (F)

McCoy, R. D. (F)

Oscoff, A. (A)

Rie, C. L. (A)

Whittemore, D. B. (A)

Brookhaven (LI-2) Handloser, J. S. (M)

Brooklyn (NY-2)
Aaronson, G. (M)
Ablock, S. (M)
Ablock, S. (M)
Abrams, S. J. (A)
Adams, H. G. (M)
Albanese, A. P. (M)
Albanese, A. P. (M)
Albanese, P. (A)
Alperin, N. E. (M)
Alster, S. D. (A)
Alterman, M. E. (M)
Altomare, V. A. (A)
Amling, J. L. (M)
Amster, G. S. (A)
Anderson, C. L. (A)
Anderson, C. L. (A)
Angelari, R. D. (A)
Angelari, R. D. (A)
Angelastro, S. P. (A)
Angelo, E. J., Jr. (S M)
Anton, N. G. (F)
Anzalone, A. T. (M)
Appleman, S. (M)
Aram, R. A. (A)
Aronoff, M. (M)
Arow, A. (M)
Arat, G. D. (A)
Asclone, N. R. (M)

Asclone, R. (A)
Axelrod, A. (M)
Axelrod, A. (M)
Badder, B. (M)
Ball, R. (A)
Ball, J. R. (A)
Ball, J. R. (A)
Bashlar, L. (M)
Barth, A. M. (A)
Baskin, H. B. (M)
Baskin, H. B. (M)
Baskin, H. B. (M)
Beach, R. (SM)
Becker, L. (M)
Belduck, R. (SM)
Belduck, R. (SM)
Belduck, R. (E. (A)
Belove, C. (A)
Belove, C. (A)
Belove, C. (A)
Berger, M. (M)
Bergstein, L. E. (A)
Berger, M. (A)
Bergstein, L. E. (A)
Berkowliz, B. (A)
Berkowliz, B. (A)
Berkowliz, B. (A)
Berliner, J. M. (M)
Berstein, J. (M)
Berstein, K. (A)
Berneld, M. (M)
Berstein, K. (A)
Bessen, A. S. (A)
Bessen, A. S. (A)
Bethea, J. (M)
Bessen, A. S. (A)
Blederman, A. B. (M)
Bleman, H. (M)
Bloopovsky, G. (M)
Bloopovsky, G. (M)
Bloopovsky, G. (M)
Bloopovsky, G. (M)
Browski, E. (A)
Boomberg, H. (M)
Bloopovsky, G. (M)
Brown, P. R. (A)
Brown, R. J. (A Coleman, G. E. (A)
Coltun, L. (A)
Coltun, L. (A)
Colucci, J. A. (A)
Connoe, A. H. (A)
Conroe, A. H. (A)
Cooper, N. (M)
Corbin, S. A. (A)
Cottam, R. W. (A)
Curcio, A. T. (A)
D'Amato, R. J. (SM)
Danziger, A. (M)
Davision, S. R. (M)
Davis, M. C. (M)
Davis, M. C. (M)
Davis, M. C. (M)
De Angelis, D. P. (M)
De Grande, R. S. (M)
De Grande, R. S. (M)
De Garande, R. S. (M)
De Glorojo, J. A. (M)
Dewol, N. (M)
De Satnick, S. (M)
Deutsch, S. (A)
Dlamond, J. M. (M)
Dlamond, J. M. (M)
Dlekman, B. G. (M)
Diell, A. P. (A) DI Fusco, F. J. (M)
Diglutio, E. M. (A)
Dis Jantia, N. (M)
Di Santia, N. (M)
Di Sartia, N. (M)
Di Sartia, N. (M)
Di Sartia, N. (M)
Doulos, C. (A)
Doll, G. G. (A)
Doll, G. G. (A)
Doll, G. G. (A)
Dorf, II. (M)
Dorsin, A. P. (M)
Drossman, M. (M)
Drossman, M. (M)
Druserman, M. (M)
Druserman, M. (M)
Druserman, M. (M)
Druckerman, M. (M)
Druckerman, R. (M)
Edwards, D. S. (A)
Egolf, R. S. (SM)
Esenstad, H. J. (A)
Eliasberg, D. (A)
Eliasberg, D. (A)
Eliasberg, D. (M)
Elicy, A. (M)
Engelson, M. (M)
Engelson, M. (M)
Engelson, J. (A)
Eliasberg, D. (M)
Estenberg, M. (SM)
Fass, S. (M)
Fass, S. (M)
Fass, S. (M)
Fass, S. (M)
Felmand, S. (M)
Felmand, S. (M)
Felsen, L. B. (SM)
Felsen, L. B. (SM)
Felsen, L. B. (SM)
Fishman, T. (M)
Filesen, L. B. (SM)
Fishman, T. (M)
Fishman, T. (M)
Fishman, T. (M)
Friedman, S. (M)
Friedman, E. (M)
Gordon, A. G. (M)
Friedman, F. (M)
Friedman, F. (M)
Garshun, G. (M)
Garshun, M. (A)
Glampiccolo, P. M. (A)
Glampiccolo, P. M. (A)
Glampiccolo, P. M. (A)
Glampiccolo, P. M. (A)
Glampic, S. (M)
Goldstein, J. L. (M)
Goray, G. A. (A)
Greene, E. H. (M)
Goldstein, J. L. (M)
Greene, E. M. (A)
Greene, E. M. (A)
Greene, E. M. (M)
Greene, E. M. (M)
Greene, E. M. (M)
Greene, E. M. (M)
Greene, G. (M)
Gray, G. A. (M)
Greene, G. (M)
Gray, G. A. (M)
Greene, G. (M)
Gray, G. A. (M)
Goldstein, J. L. (M)
Greene, E. M. (M)
Greene, E. M. (M)
Greene, E. M. (M)
Greene, G. (M)
Gray, G. A. (M)
Greene, G. (M)
Greene, G. (M)
Greene, G. (M)
Greene, G. (M)
Green Hachemeister, C. A. (SM) Haft, P. S. (M) Hallen, E. (M) Hanft, A. J. (M)

NEW YORK - 515 -

Hanon, J. (M)
Harris, L. (SM)
Harrison, G. S. (M)
Harrison, G. S. (M)
Harrison, G. S. (M)
Harrison, G. S. (M)
Hauerstock, C. (M)
Hawkins, R. (A)
Heller, J. I. (SM)
Hessel, A. (M)
Hisson, E. N. (M)
Hirsh, J. (A)
Hittner, C. (SM)
Hobbs, M. (SM)
Hobesman, I. (A)
Hobbs, M. (SM)
Hobeman, I. (A)
Hobbs, M. (SM)
Hobmanls, I. A. (M)
Hommand, I. (M)
Hommand, I. (M)
Hommand, J. (M)
Horowitz, J. (M)
Horowitz, J. (M)
Horowitz, J. (M)
Huang, H. (M)
Huang, H. (M)
Hughes, E. (A)
Hunt, D. F. (M)
Jacono, V. C. (A)
Isaacson, A. (M)
Israel, D. (M)
Jacosh, D. (M)
Jacosh, D. (M)
Jacosh, J. (M)
Jacosh, J. (M)
Hushen, H. K. (A)
Jawarski, A. M. (A)
Jawarski, A. M. (A)
Jawarski, A. M. (A)
Jawarski, A. M. (A)
Jarwa, E. C. (M)
Johnson, A. E. Jr. (M)
Johnson, B. F. (A)
Johnson, B. F. (A)
Jongberg, J. B. (A)
Jorysz, A. (M)
Kaplan, R. R. (M)
Kaplan, G. L. (M)
Kaplan, G. L. (M)
Kaplan, G. L. (M)
Kaplan, G. M. (M)
Katz, J. (A)
Katz, J. (M)
Katz, J. (M) Natz, M. D. (M)
Katz, M. D. (M)
Kaye, R. S. (M)
Keefe, G. (A)
Keefe, A. R. (A)
Keenley, J. F. (A)
Kempler, A. R. (A)
Kenney, D. P. (M)
Kerdock, A. M. (M)
Kerdock, A. M. (M)
Kerenyl, G. R. (M)
Kessler, A. (A)
King, B. H. (M)
Kirdahy, E. (M)
Kirdahy, E. (M)
Kirdahy, E. (M)
Kirdahy, E. (M)
Kirdahy, S. (M)
Kiliper, S. (M)
Kiliper, S. (M)
Kiliper, S. (M)
Kiliper, S. (M)
Koroles, H. (M)
Koroles, H. (M)
Koroles, H. (M)
Koroles, R. (M)
Lamarent, R. (M)
Landrer, E. (M)
Landrer, F. N. (M)
Landrer, S. (SM)
Lederent, M. (A)
Lederman, S. (M)
Levey, L. (M)
Levey, L. (M)
Levin, S. (M)
Levin, R. (M)
Levin, R. (M)
Levey, H. B. (A)
Levey, L. (M)
Levey, H. B. (A)
Levey, R. R. (M)
Levey, R. R. (M)
Levey, H. B. (A)
Levey, R. R. (M)
Levey, R. R. (M)
Levey, H. B. (A)
Levey, R. R. (M)
Levey, R. R. M, R. M, R. (M)
Levey, R. R. M, R

Liebreich, E. (A)
Likel, H. C. (SM)
Lindell, L. (M)
Lindell, H. C. (SM)
Lindell, H. C. (SM)
Lindell, M. M. (M)
London, M. M. (M)
Machalla, M. M. (M)
Machalla, M. (M)
Machalla, M. (M)
Marous, H. (SM)
Mallan, M. (M)
Manned, J. R. (M)
Manned, S. A. (M)
Marous, S. M. (M)
Marous, M. M. (M)
Mocommic, L. P. (A)
Messina, J. (A)
Messina, J. (M)
Meyers, C. S. (A)
Meyers, S. S. (SM)
Milorato, M. B. (M)
Milorato, S. M. (M)
Milorato, J. J. (M)
Mordowitz, I. (M)
Mordowitz, I. (M)
Mordowitz, J. (M)
Pelitsch, P. M. (A)
Pizzillal, S. (SM)
Oland, A. A. (M)
Pizzillal, S. (SM)
Oland, J. J. (M)
Polack, J. J. (M)
Polack,

Rappoport, J. F. (M)
Reader, M. (M)
Reader, M. (M)
Redot, M. (M)
Reid, J. J. (M)
Reid, J. J. (M)
Rekot, W. (M)
Rekot, W. (M)
Rekot, W. (M)
Rekot, W. (M)
Richmond, J. F. (A)
Richmond, J. F. (A)
Richmond, J. F. (A)
Richmond, J. F. (A)
Richmond, J. F. (M)
Roberts, R. P. (NO
Robinson, R. M. (M)
Rogers, F. A. (A)
Robinson, R. M. (M)
Rogers, F. A. (A)
Rosen, L. (M)
Rosenberg, D. (M)
Rosenberg, M. (M)
Rosenberg, D. (M)
Robertone, A. (M)
Robinstein, S. (M)
Robertone, A. (M)
Rubin, A. (A)
Rubin, A. (A)
Rubin, A. (A)
Rubin, J. S. (M)
Rudofsky, B. I. (M)
Rudorsky, B. I. (M)
Rudorsky, B. I. (M)
Rudorsky, B. I. (M)
Ramer, F. A. (A)
Salzman, D. (A)
Salzman, D. (A)
Salzman, D. (A)
Samon, M. M. (A)
Sander, H. M. (A)
Sander, J. (M)
Savesson, A. I. (SM)
Savesson, A. I. (SM)
Schentil, E. (A)
Schentil, E. (A)
Schwartz, P. (A)
Schwartz, P. (A)
Schwartz, P. (A)
Schwartz, P. (M)
Schwartz, R. (M)
Silvere, R. (M)
Sochel, E. (A)
Sothil, R. M. (M)
Soreney, M. (M)
Sternberg, M. Strahlberg, K. (A)
Strahlberg, K. (A)
Strassberg, I. D. (A)
Strauss, L. (SM)
Sullivan, J. P. (A)
Summerville, R. W. (A)
Summer, L. (M)
Sweet, L. O. (M)
Tallsh, I. M. (M)
Tallsh, I. M. (M)
Tallsh, T. (M)
Tamir, T. (M)
Tamir, T. (M)
Tamir, T. (M)
Temple, W. J. (A)
Temple, W. J. (A)
Temple, W. J. (A)
Temple, W. J. (A)
Templeman, L. (A)
Thomas, R. O. (M)
Tomasulo, V. D. (M)
Travis, E. (M)
Travis, E. (M)
Trendowski, C. R. (A)

Trusinoff, B. (A)
Truxal, J. G. (F)
Tscherne, R. A. (M)
Turano, M. J. (A)
Turano, M. J. (A)
Turchin, M. J. (M)
Turchin, M. J. (M)
Ur, H. (M)
Ur, H. (M)
Ur, H. (M)
Urevith, S. J. (A)
Uslan, S. D. (M)
Vallese, L. (SM)
Van Deusen, R. B. (M)
Varnoe, E. (M)
Varnoe, E. (M)
Varnoe, E. (M)
Viola, V. (M)
Was, G. J. (M)
Waas, G. J. (M)
Waas, G. J. (M)
Waashold, R. F. (M)
Wamock, H. P. (M)
Waine, M. N. (A)
Weber, E. (F)
Well, J. L. (A)
Weiner, L. H. (A)
Weinstein, S. M. (M)
Wexter, I. (M)
Wester, I. (M)
Weinstein, C. (M)
Zence, M. (M)
Zawacki, E. C. (M)
Zawacki, E. C. (M)
Zawacki, E. C. (M)
Zeeckoff, A. (M)
Zawacki, P. (M)
Zourldes, V. G. (M)
Zunnick, P. (M) Robbins, R. (M)

Brooktondale (ITH-1)

Buchanan (NY-W-2) Foln, W. C. (A)

Buffalo (BN-1) traio (BN-1)
Alnes, F. G. (M)
Ames, R. W. (A)
Alnes, F. G. (M)
Bachman, C. G. (M)
Bacrys, D. A. (A)
Barman, M. (A)
Barman, M. (A)
Barmowellff, T. A. (A)
Barman, M. (A)
Barmowellff, T. A. (A)
Bamhard, J. C. (M)
Beach, J. B. (M)
Beneke, J. (A)
Bemhardt, C. C. (M)
Bemhardt, C. C. (M)
Bock, D. H. (M)
Brenner, C. H. (M)
Burdette, L. R. (M)
Burdette, L. R. (M)
Caroll, T. J. (M)
Caroll, T. J. (M)
Caroll, T. J. (M)
Caroll, T. J. (M)
Catalino, F. M. (M)
Chall, J. H. (M)
Chall, M. W. (M)
Clark, D. C. (M)
Clure, E. F. (M)
Cuttill, W. R. (M)
Cuttill, W. R. (M)
Cuttill, W. R. (M)
Dole, L. H. (M)
Dole, L. H. (M)
Dole, L. H. (M)
Dole, L. H. (M)
Ess, H. E. (M)
Farber, M. (A)
Fischer, F. P. (SM)
Freeman, R. W. (A)
Freeman, R. F. (M)
Gerber, W. J. (M)
Hayman, R. A. (A) Hill, L. L. (A)
Hoffman, K. B. (SM)
Hoffelder, R. G. (M)
Holmes, W. S. (SM)
Horvath, J. O. (A)
Hover, E. T. (A)
Hover, E. T. (A)
Huber, C. W. (VA)
Hurt, R. A. (M)
Huber, C. W. (VA)
Hurt, R. A. (M)
Jacobson, L. (M)
Jackson, R. W. (A)
Jocoy, E. H. (M)
Johnson, R. W. (A)
Johnson, R. C. (A)
Jondle, J. J. (M)
Kith, D. A. (M)
Kell, R. E. (M)
Kithin, H. W. (SM)
Mischer, W. K. (M)
Lamer, C. A. (A)
Lautz, C. F., Jr. (M)
Lelpold, W. H. (M)
Lemer, T. (M)
Levin, K. L. (SM)
Levin, K. L. (SM)
Manoone, J. G. (M)
McClanahan, J. M. (M)
Marin, F. C. (M)
McClanahan, J. M. (M)
Mary, J. E. (SM)
Mesee, H. F. (A)
Milchaells, T. D. (M)
Mitchier, R. W. (A)
Monoton, H. S. (M)
Odden, R. S. (M)
Okonski, C. B. (M)
Okonski, C. B. (M)
Okonski, C. B. (M)
Nonski, P. B. (M)
Pummer, D. K. (M)
Pummer, D. K. (M)
Powell, F. D. (SM)
Pritchard, F. E. (A)
Puttlek, A. W. (A)
Raney, J. J. (SM)
Ralajczak, R. A. (M)
Plummer, D. K. (M)
Nalz, N. P. (SM)
Savi, L. (M)
Szi, N. P. (SM)
Savi, L. (M)
Savi, L. (M)
Sooner, M. G. (M)
Steeper, D. J. (A)
Ware, P. H. (M)
Welsh, J. E. (SM)
Veath, M. S. (A)
Wilder, L. D. (M)
Wilson, J. E. (M)
Wolfer, E. H. (M)
Wolfer, E. H. (M)
Wolfer, E. H. (M)
Wolfer, E. H. (M)
Wilson, J. E. (M)
Wolfer, E. H.

Burnt Hills (SCH-1)
Hesse, M. H. (M)
Milton, R. T. (M)
Speck, R. S. (M)
Welch, D. I. (M)

Caledonia (ROC-1) Allen, S. E. (M)
Angevine, O. L., Jr. (SM)
Lawson, H. W., Jr. (M)

Cambria Heights (LI-2) Gach, L. M. (M) Koenig, R. H. (M) Kruk, R. J. (SM) Pyros, I. E. (M) Reltzel, C. I. (A) Smith, P. (M) Swaln, J. A. (A) Zelnes, B. (SM)

Camden (RU-1) Hickey, J. B. (A)

Camillus (SYR-1) Cleary, J. F. (A) Cooper, W. M. (M)

Gordon, R. T. (M)
Lambert, J. M. (M)
Marlatt, R. L. (M)
Petrle, A. F. (M)
Pfueller, A. W. (M)
Place, J. F. (M)
Schweers, O. H. (SM)
Strawn, R. K. (A)
Swenson, C. F. (A)
True, T. T. (M)

Campbell Hall (NY-MH-2) Martin, G. B., Sr. (A)

Canandaiga (ROC-1) Harrold, G.B.(M) Knapp, A.J.(A)

Candor (BING-1) Glenn, H. L. (A)

Carle Place (LI-2)
Bossinger, A. L. (SM)
Chesnes, G. J. (M)
Drasney, G. C. (A)
Gengarelly, T. (A)
Hekaros, J. S. (A)
Jefferles, K. D. (M)
Lincoff, W. (M)
Smolak, J. P. (A)
Vadus, J. R. (SM)

Carmel (NY-2) Fredrick, A. H. (M) Lewinski, J. (SM)

Castleton-On-Hudson (SCH-1) Bradley, B. F., Jr. (M)

Cazenovia (SYR-1)
Chamberlain, P. L. (A)
Hodges, G. W. (A)
Learned, A. J. (M)
Morse, H. W. (M)
Winslow, W. R. (M)

Cedarhurst (LI-2)
Dick, T. M. (M)
Durbin, E. (M)
Goodman, J. D. (M)
Mercier, A. E. (SM)
Merlin, A. G. (A)
Norris, S. (M)
Ross, B. R. (M)
Shapiro, D. L. (M)

Cementon (NY-MH-2) Krisniski, S. V. (M)

Centereach (L1-2) Clark, M. J. (A) Mussmann, G. F. (A) Tlerney, T. J. (M)

Centerport (LI-2)
Derganc, W. (M)
Klaus, G. H. (SM)
Pichert, J. (M)
Rezek, R. M. (M)

Central Islip (LI-2) D'Donohue, R. E., Jr. (M) Samoluk, P. (A)

Central Square (SYR-1) Cooper, C. W. (A)

Central Valley (NY-MH-2) Amold, R. G. (M)

Chadwicks (RU-1) Kapfer, V. C. (A)

Chappaqua (NY-W-2)
Becher, W. E. (M)
Buttolph, J. D. (M)
Edwards, N. P. (M)
Edwards, N. P. (SM)
Hunt, W. A. (M)
Kelloogs, D. S. (SM)
Little, J. B. (SM)
Novak, W. D. (M)
Speller, J. B. (SM)
Taggart, C. E. (M)
Vladimir, L. O. (SM)
White, R. A. (A)

Cheektowaga (BN-1)
Beougher, L. C. (M)
Celer, R. R. (M)
Felinberg, E. J. (M)
Lewicki, W. M. (A)
Maclag, W. J. (M)
Myers, J. F. (SM)
Slater, R. H. (M)

Chenango Bridge (BING-1) Carpenter, J. F. (A) Jones, H. E. (M)

Chittenango (SYR-1) Bray, T. E. (A) Little, D. W. (M)

Churchville (ROC-1) Chapin, D. W. (M) Jackson, R. W. (A)

Clarence (BN-1) Bennett, J. E. (M) Greatbatch, W. (M)
Kellerman, R. E. (M)
Neprud, R. N. (SM)
Serniuk, W. (SM)
Vanacore, T. (M)

Clarence Center (BN-1) Schantz, J. D. (SM)

Clay (SYR-1)
Boyd, L. E. (M)
Brady, D. J. (M)
Brown, P. H. (M)
Carlson, E. R. (SM)
Collins, J. L. (A)
Knickerbocker, L., Jr. (M)
Marshall, J. C. (M)
Smith, E. E. (A)

Cleverdale (SCH-1) Mead , M . S . , Jr . (SM)

Clifton Springs (ROC-1) Morris, I. A. (M)

Clinton (RU-1)
Anway, H. E. (M)
Baldwin, G. F. (SM)
Blumberg, D. (M)
Crockett, G. R. (M)
Goodman, J. (M)
Oberg, A. C. (M)
Pearlston, C. B., Jr. (M)
Rasmussen, C. P. (M)
Sears, C. B. (M)
Smith, A. E. (M)
Tumer, M. L., Jr. (M)

Clyde (ROC-1)
Durso, J. L. (M)
Hauge, K. (A)
York, R. A. (SM)

Cohocton (ELM-C-1) Fox, R.A.(A)

Cohoes (SCH-1) Plwnica, W. M. (M)

Cold Spring Harbor (LI-2) Burr, R. P. (SM) Tyndall, R. M. (M)

College Point (LI-2)
Belock, H. D. (SMD
Dubln, L. (M)
Friedensohn, G. (A)
Fury, A. E., Jr. (A)
Hoffman, R. A. (A)
Oranges, D. F. (M)
Rilling, J. C. (A)
Shostak, M. (A)
Sleven, M. O. (M)
Stlepel, G. W. (A)

Streber, G. W. (A)

Commack (LI-2)

Brady, J. P. (M)

Bryant, B. L., Jr. (A)

Cataldo, T. J. (M)

DI Nardo, A., Jr. (A)

Farina, D. E. (M)

Feldman, S. (A)

Ferry, J. B. (M)

Felmy, S. H. (A)

Kelley, E. J. (M)

Levine, B. (SM)

Loss, M. B. (M)

Lynch, J. T. (A)

Maffel, E. V. (A)

Matylewich, T. D. (A)

Michitson, P. A. (M)

Drfut, W. B. (M)

Pallson, J. D. (M)

Rigby, R. T. (M)

San Glovanni, C., Jr. (M)

Tiger, H. S. (M)

Whaley, W. W. (M)

Wrobel, R. E. (M)

Congers (NY-2) Levy, G. (A)

Conklin (BING-1) Emmons, D. W. (M)

Constantia (SYR-1) Day, R. G. (SM) Elhoff, W. C. (A) Regueiro, W. R. (A)

Coplague (LI-2)
Hyland, J. R. (M)
Mautner, R. S. (SM)
Pull, H. L. (M)
Remwick, F. B. (M)

Corinth (SCH-1) Willman, E. S. (A)

Coming (ELM-C-1)
Allen , R. E. (M)
Bell , A. N. (M)
Bell and n. L. P. (A)
Brouneus , H. A. (M)
Cammen , M. M. (M)
Craumer , H. S. (A)
Oates , H. F. (M)
Davls , J. K. (SM)
Deegan , G. M. (M)
Griest , E. M. (M)

Guyer, E. M. (SM)
Hamilan, R. V. (M)
Herczog, A. (M)
Hocker, J. P. (M)
Hocker, J. P. (M)
Hunt, M. H. (M)
Jenkins, W. H. (M)
Leffel, P. C., Jr. (M)
Lineweaver, J. L. (M)
Mann, R. H. (A)
Munler, J. H. (M)
Plinkston, J. C. (III (M)
Rexford, H. E. (M)
Sackinger, J. P. (M)
Sheldon, J. L. (F)
Smith, G. P. (M)
Sprague, L. G. (M)
Szupillo, R. E. (A)
Wetmore, W. L. (A)

Cornwall (NY-MH-2) Lynch, F. T. (M)

Cornwall-on-Hudson (NY-MH-2) Peck, N. D. (M)

Corona (LI-2)
BalackI, S. J. (A)
Barbasso, S. (M)
Blanchini, P. J. (M)
Boychenko, O. (M)
Germano, G. (A)
McGovern, F. X. (M)
Pafundi, M. T. (A)
Silbar, J. I. (A)
Spatz, S. (M)
Vaflades, W. (A)

Cortland (SYR-1) Clecoricco, F. A. (M)

Cowlesville (ROC-1) Wightman, C. W., Jr. (MD

Crestwood (NY-W-2) Krauer, O. (A)

Croton-On-Hudson (NY-W-2) Albert, M. P. (M) Halbt, L. (A) Thorpe, R. A. (M)

Cuba (ELM-C-1) Griffin, S.J.(M) Miller, E.A.(M)

Dansville (ROC-1) Blum, R.J.(M)

Deansboro (RU-1) Palmer, P. D. (M)

Deer Park (LI-2)
Axel, A. J. (M)
Buff, C. (SM)
Burghard, A. R. (M)
Castellano, J. G. (A)
Levine, A. M. (M)
Schlesinger, J. (M)
Tressa, F. J. (M)
Warren, S. D. (A)

Depew (BN-1)
Bordner, G. W. (M)
Dlener, H. C., Jr. (M)
Herold, C. D., Jr. (M)
Hyer, H. C. (M)
Newton, D. J., Jr. (M)
Trabka, E. A. (M)
Whitbeck, R. F. (M)

De Witt (SYR-1)
Berkley, J. B. (SM)
Brlggs, A. S. (M)
Brlggs, A. S. (M)
Burroughs, E. H. (M)
Clark, H. T. (SM)
Copp, J. H. (SM)
Copp, J. H. (SM)
Davids, H. H. (SM)
Davids, H. H. (SM)
Davids, H. H. (SM)
Dole, D. L. (M)
Dickey, F. R., Jr. (SM)
Dominguez, M. J. (A)
Flashner, G. (M)
Grisetti, R. S. (M)
Grisetti, R. S. (M)
Harnett, D. E. (F)
Hyde, H. I. (M)
Jacobson, I. J. (M)
Kovacs, F. M. (M)
Kralman, H. (M)
Lowry, H. R. (A)
Marin, I. L. (SM)
Perkins, D. W. (M)
Records, J. K. (M)
Shain, E. (M)
Silverman, B. (M)

Dobbs Ferry (NY-W-2)
Byrnes, F. X. (M)
Eyster, J. A. (S M)
Ham, D. L. (M)
Miller, D. H. (M)
Mitchell, D. D. (M)
Newman, L. (M)

Weichardt, H. H. (M)

Douglastown (LI-2)
Adams, A. T. (M)
Batcher, R. R. (F)
Cohen, S. A. (M)
Collard, A. C. (M)
Dumaresq, J. (A)
Dum, S. B. (M)
Grover, H. G. (SM)
Hertzberg, R. E. (A)
MCIClellan, G. B. (SM)
MIlkman, N. (M)
Neeck, J. E. (A)
Pollack, A. S. (SM)
Shanck, R. B. (SM)
Tyson, B. F. (F)
Weinstein, G. (A)

Dryden (ITH-1) Shelton, G. L., Jr. (M)

Dunkirk (ERI-1) Niles, R. O. (A)

East Aurora (BN-1)
Ballantine, J. H. (M)
Frazler, R. E. (M)
Hopkins, J. E. (M)
Roess, L. G. (M)
Tribou, P. W. (M)

Eastchester (NY-W-2) Collison, P. B. (SM) Lundgren, P. R. (A) Masucci, C. (M) McGinnis, F. (SM) Sarahan, B. L. (M) Schimmel, H. (M)

East Elmhurst (LI-2) Capon, J. (MO Gordon, S. M. (A) Immarco, A. E. (MO Segota, A. S. (M)

East Greenbush (SCH-1) Merry, F. J. (M)

East Hampton (LI-2) Fidanza, W. (A)

East Islip (LI-2)
Bolum, D. R. (A)
Welss, E. H. (A)

East Meadow (LI-2)
Basil, A. (M)
Browman, H. L. (M)
Burgess, E. G., Jr. (M)
Byron, M. (A)
Cerino, R. (M)
Colbert, R. P. (A)
Conigliaro, S. A. (SM)
Comier, R. A. (M)
Drogin, E. M. (A)
Farber, B. (M)
Frost, S. (M)
Garett, B. R. (A)
Goldstein, I. (A)
Goldstein, I. (A)
Grob, B. (M)
Grodzinsky, S. (SM)
Gruber, P. (M)
Herzel, J. S. (M)
Iorio, S. A. (M)
Kunz, A. B. (A)
La Cascia, N. (A)
McGowan, J. G. (M)
Nowlkoff, E. B. (M)
Parker, S. (M)
Northfield, W. E. (M)
Novlkoff, E. B. (M)
Parker, S. (M)
Parker, S. (M)
Sibiger, R. J. (M)
Scordato, M. (A)
Sibiger, R. J. (M)
Siibiger, R. J. (M)

East Northport (LI-2)
Andersen, A. H. (M)
Benz, J. K. (M)
Chomet, M. (M)
Clinton, R. E. (A)
Cope, R. H., Jr. (SM)
Croxville, W. B. (M)
Di Paola, R. G. (M)
Helf, W., Jr. (M)
Helf, W., Jr. (M)
Kos, S. M. (A)
Krasnick, S. (M)
Kujer, C. R. (M)
Leary, J. B. (M)
Mahoney, T. J., Jr. (A)
Masak, R. J. (A)
Miller, J. S. (M)
Ness, C. H. (M)
Ness, C. H. (M)
Ness, C. H. (M)
Ness, C. H. (M)

Oakes, R. E. (M)
Oswald, L. H. (M)
Phagan, R. J. (M)
Philbin, J. P. (M)
Reynolds, L. G. (M)
Rumph, G. F. (M)
Salmon, H. A. (A)
Smith, K. M. (A)
Spann, R. G. (M)
Tepper, H. H. (M)
Wallace, R. A. (M)
Weinberger, J. (F)
Yourdon, F. R. (M)
Zinke, R. L. (M)

East Norwich (Li-2)
Barry, H. P., Jr. (M)
Boecker, A. (M)
Boecker, A. (M)
Churchill, E. B. (M)
Davis, S. (M)
Fishman, G. N. (M)
Fowler, C. A. (M)
Garretson, C. M. (SM)
Mogul, E. (SM)
Plunkett, R. (A)
Salzberg, B. (F)

East Rochester (ROC-1) Bass, G. A. (M) Numann, G. W. (A)

East Rockaway (LI-2)
Albert, A. M. (M)
Brown, W. (M)
Cohen, G. (M)
Greenberg, I. G. (SM)
Heimer, R. L. (M)
Mahnken, W. J. (M)
Riall, R. T. (M)
Wallach, D. M. (M)
Wind, M. (SM)

Wind, M. (SM)

East Syracuse (SYR-1)
Arnold, D. W. (M)
Chamberlain, L. W. (M)
Downie, J. W. (SM)
Faulkenberry, B. K. (M)
Havin, J. M. (M)
Isert, I. L. (M)
Johes, S. S., Jr. (M)
Johnson, M. A. (M)
Johnson, M. A. (M)
Julin, J. C. S. (A)
Kinsey, R. R. (M)
Krenitsky, P. (M)
Lindsay, G. A. (M)
Morrison, R. H. (M)
Mueller, W. J. (M)
Segale, R. O. (M)
Segale, R. O. (M)
Ventura, J. J. (M)
Wilsenhurt, J. A. (M)
Wilfiams, G. R. (M)
Zellmer, L. R. (M)

East Williston (LI-2)
Brannin, R. S. (SM)
Brunet, W. J. (A)
Doucette, A. R. (SM)
Fay, A. H. (M)
Galella, P. F. (SM)
Johnson, J. H. (M)
McProud, C. G. (M)
Packer, L. (M)
Rebeck, C. S. (M)

Ebenezer (ERI-1) Boelke, G. L. (M)

Eden (BN-1)
Pontlus, J. C. (M)
Steele, K. P. (A)

Edgemere (LI-2) Musketos, A. (M)

Eggertsville (BN-1)
Borkowski, C. J. (M)
Harvey, H. F. (M)
McCord, W. M. (SM)
Mezger, C. C. (M)
Rizzo, S. J. (A)
Rosenfelder, G. S. (M)
Schneeberger, R. F. (M)

Ellenville (NY-MH-2) Green, J. (M) Schwartz, J. (M)

Elma (BN-1) Reinnagel, R. E. (SM) Weise, R. W. (SM)

Elmhurst (LI-2)
Alsberg, H. (A)
Avignone, A. J. (A)
Beaton, H. F. (M)
Blumenstock, N. R. (M)
Caliendo, P. J. (M)
Carides, T. (M)
Erdman, A. (A)
Erlichson, H. (M)
Feldstein, S. (A)
Fitzgerald, P. J. (A)
Flattau, W. (M)
Francoeur, G. R. (M)
Gala, D. C. (M)
Gala, D. C. (M)
Keams, W. J., Jr. (M)
Kenneth, F. (A)

Kestenbaum, H. S. (A)
Linder, A. J. (M)
Morrone, J. J. (M)
Pelzer, B. (A)
Perliss, R. E. (M)
Scheuermann, R. J. (M)
Stapino, L. C. (SM)
Strachan, A. G. (M)
Strachan, A. G. (M)
Strachan, A. P. (A)
Tomberg, V. T. (SM)
Toufexis, S. (M)
Wahl, G. J. (A)
Wolfson, R. B. (M)

Elmira (ELM-C-1)
Alney, R. K. (M)
Aldrich, D. F. (SM)
Aldrich, D. F. (SM)
Anyle, L. C. (A)
Buck, D. C. (M)
Cherry, S. J. (SM)
Cox, G. L. (M)
Dart. H. F. (F)
Dovi, A. C. (M)
Diff, J. E. (M)
Frequens, R. A. (M)
Gillies, W. (M)
Hall, J. A. (SM)
Hayter, W. R., Jr. (A)
Hostetler, C. L. (M)
Husson, C. (M)
Keeton, T. G. (M)
Kilcoyne, M. K. (M)
Milletr, C. T. (M)
Lindequist, P. T. (M)
Lindequist, P. T. (M)
Linde, V. F. (M)
Lovell, L. I. (A)
Mageoch, N. H. (M)
Martin, L. (SM)
Millet, C. F. (SM)
Millet, R. G. (M)
Morn, W. G. (A)
Mulligan, J. M. (M)
Murphy, D. L. (M)
Neres, E. C. (SM)
Riggen, T. K. (M)
Rigos, J. O. (A)
Rogell, P. S. (M)
Shefer, C. R. (A)
Standik, T. J. (A)
Standik, T. J. (A)
Standik, T. J. (A)
Stoddard, R. N. (A)
Stow, R. L. (M)
Townsend, F. H. (SM)
Upshaw, V. (SM)
Washburn, G. W. (M)
Winte, L. E. (M)
White, L. E. (M)

Elmira Heights (ELM-C-1) Foreman, R. J. (M) Heath, E. R. (M)

nont (LI-2)
Brown, J. J. (M)
Chapel, I. J. (SM)
Coniglio, P. J. (A)
Dong, J. G. (M)
Dressler, R. (SM)
Franceschini, J. B. (M)
Gould, S. (M)
Greenberg, L. (A)
Griffing, W. W. (M)
Hanover, A. M. (A)
Kilsheimer, R. L. (M)
La Mantia, R. (M)
Lutz, C. J. (A)
Melgar, M. (M)
Riemenschneider, W. W. (A)
Riemenschneider, W. W. (A)
Seidman, A. H. (SM) Elmont (LI-2)

Elmsford (NY-W-2) Carlisle, R. W. (SM) Enoch, D. G. (A) Greenbaum, W. H. (M) Myers, H. W. (M) Pearson, H. A. (M) Von Baudissin, J. (M)

Von Baudissin, J. (M)

Endicott (BING-1)
Abou-Taleb, N. M. (SM)
Ackerman, T. E. (M)
Adams, D. A. (M)
Akmenkalns, I. G. (M)
Ameevine, A. R. (M)
Baldauf, D. R. (M)
Batty, R. A. (M)
Bere, R. (A)
Bernstein, R. (M)
Brannen, P. M. (M)
Branning, H. F. (M)
Brannen, P. M. (M)
Cloud, H. A. (M)
Conner, C. D. (M)
Deskur, K. J. (A)
Dodge, H. E. (M)
Dortator, R. H. (A)
Essinger, P. (A)
Evans, B. O. (M)
Farbanish, P. (M)
Ferraro, D. (M)

Forbes, R. E. (M)
Frehsee, R. (M)
Frehsee, R. (M)
Frocis, N. A. (M)
Gingrich, W. G. (M)
Goetz, J. A. (M)
Grace, C. H. (M)
Grace, C. H. (M)
Harburgen, A. (M)
Hack, G. E. (M)
Hamburgen, A. (M)
Hazlett, W. T. (M)
Hess, G. (M)
Hill, Y. M. (SM)
Hollandsworth, W. J. (SM)
Kowler, J. M. (M)
Johnson, R. M. (M)
Johnson, R. M. (M)
Johnson, R. M. (M)
Johnson, R. M. (M)
Kapur, K. N. (M)
Kilmer, F. G. (M)
Kilmer, F. G. (M)
Kirchoff, R. J. (A)
Kilotz, H. J. (SM)
Kilmer, F. G. (M)
Kirchoff, R. J. (M)
Kirchoff, R. J. (M)
Kootsyshyn, B. (A)
Kovalchick, N. (M)
Lampathakis, K. E. (M)
Lemia, T. B. (M)
Lowia, T. B. (M)
Lowia, T. B. (M)
Lowia, T. B. (M)
Logie, T. W. (A)
Lohman, I. H., Jr. (M)
Mathers, H. W. (M)
McNelis, P. J. (M)
McNelis, P. J. (M)
McNelis, P. J. (M)
Miller, W. C. (M)
Miller, W. C. (M)
Miller, W. C. (M)
Miller, W. C. (M)
Pasternak, E. (M)
Pasternak, E. (M)
Pasternak, E. (M)
Pasternak, E. (M)
Patercy, R. L., Jr. (M)
Patercy, R. L., Jr. (M)
Priokom, J. H. (A)
Pyle, C. L. (M)
Sculley, G. A., Jr. (M)
Sculley, G. A., Jr. (M)
Schott, C. E. (M)
Sculley, G. A., Jr. (M)
Schott, C. E. (M)
Sculley, G. A., Jr. (M)
Schott, C. E. (M)
Sculley, G. A., Jr. (M)
Schott, C. E. (M)
Sculley, G. A., Jr. (M)
Schott, C. B. (A)
Strup, C. F., Jr. (M)
Schott, C. B. (M)
Schott, C. G. (M)
Schott, C. G. (M)
Schott, C. G. (M)
Schott, C. G. (M)
Sc

dwell (BING-1)
Adams, L. R. (M)
Burshnick, J. D. (M)
Dickinson, M. M., Jr. (M)
Greene, T. A. (M)
Holdeman, C. C. (M)
Holdeman, C. C. (M)
Hutchison, H. W. (M)
James, R. F. (M)
Maslak, M. (M)
Miles, R. J. (M)
Miles, R. J. (M)
Muller, C. F. (M)
Simek, J. G. (M)
Southard, C. D. (A)
Stamos, C. G. (M)
Wilson, H. R. (M)
Yeager, C. J. (A) Endwell (BING-1)

Etna (ITH-1) Stillman, M. (M)

Fairport (ROC-1) Cumningham, G. E. (A) Hamlin, N. B. (M)

Farmersville (BN-1) Wiley, V. H. (A)

Farminodale (LI-2)
Amderson, O. K. (M)
Aronowitz, L. (M)
Bellenkes, W. A. (A)
Buble, F. L. (M)
Cap, S. T. (M)
Clothier, C. M. (M)
Coppola, A. S. (M)
De Gernaro, R. (A)
Dery, G. F. (M)
Gesses, M. I. (M)
Goon, R. (M)

Hart, J. E. (M)
Kanteman, A. (M)
Kaufman, D. (M)
Kauger, L. T. (M)
Lo Giudice, T. F. (M)
Maguire, J. P. (SM)
Niewenhous, J. H. (M)
Otten, H. C. (M)
Rosenthal, M. M. (SM)
Rubenstein, C. F. (SMO
Schwardz, M. (SM)
Sicuranza, A. J., Jr. (A)
Spector, A. (M)
Stolov, S. E. (M)
Tchimits, M. F. (A)
Van Schoor, J. (A)
Vinkman, V. V. (A)
Wildfeuer, D. (SM)
Wolfe, M. L. (M)
Woodward, A. E. (M)

Woodward, A. E. (M)
Far Rockaway (LI-2)
Bernstein, S. S. (M)
Crandell, S. (M)
Edelstein, H. N. (SM)
Glass, H. W. (M)
Haynes, N. M. (M)
Liegev, P. R. (M)
Liegev, P. R. (M)
McPhee, A. J. (M)
Methcher, I. (M)
Shapiro, R. A. (A)
Shapiro, R. A. (A)
Siemod, J. L. (A)
Smith, S. (A)
Weiner, G. (A)

Fayetteville (SYR-1)
Altes, S. K. (M)
Ballard, E. J. (M)
Beckwith, R. W. (M)
Brown, E. O. (M)
Cambell, C. M. (M)
Deizler, R. P. (M)
Doiltile, W. T., Jr. (M)
Dooltille, W. T., Jr. (M)
Dooltille, W. T., Jr. (M)
Dooltille, W. T., Jr. (M)
Ellot, A. B. (M)
Face, G. D. (M)
Fancher, H. B. (SM)
Fesko, J., Jr. (M)
Fye, R. P. (M)
Gangberg, F. (M)
Gethmann, R. B. (M)
Gildersleeve, R. E. (SM)
Goor, D. (M)
Grabowski, S. J. (M)
Haller, G. L. (F)
Hannah, W. M. (A)
Hansen, R. E. (M)
Halter, G. L. (SM)
Kidder, M. S. (A)
Kordalewski, A. P. (M)
Liddle, W. A. (A)
Locke, J. R. Jr. (SM)
Mushrush, R. S., Jr. (SM)
Prestwich, G. D. (M)
Prestwich, G. D. (M)
Prestwich, G. D. (M)
Reinsmith, G. M. (M)
Reinsmith, G. M. (M)
Revercomb, H. E. (SM)
Rives, F. M. (SM)
Rouault, C. L. (SM)
Russell, J. B., Jr. (F)
Ryerson, J. D. (A)
Schlesinger, K. (F)
Sinback, W. R. (M)
Totten, H. Q. (M)
Varga, J. A. (M)
Vargalis, S. N. (A)

Fernwood (SYR-1) Manwarren, T. E. (M)

Fishkill (NY-MH-2)
Allen, G. W. (M)
Curtis, R. T. (A)
Dill, H. G. (M)
Farrell, A. C. (A)
McQuaid, W. K. (M)
Stahl, W. L. (SM)
Templeton, H. S. (A)
Wolr, T. E. (M)

Mooney, V. J. (SM)
Nixon, G. M. (SM)
Peaceman, H. T. (M)
Pollack, P. (M)
Prototor, D. W. (M)
Schutz, D. W. (M)
Simes, J. G. (M)
Siysh, P. (M)
Sintzer, M. S. (M)
Spittal, W. R. (M)
Troupp, L. B. (A)
Viadella, J. W. (A)
Winton, H. J. (M)
Wolf, E. (A)
Zimmerman, G. (A)
Zopf, V. R. (M)

Flushing (L1-2)
Absatz, S. I. (M)
Adolph, A. L. (SM)
Albin, A. L. (SM)
Althmann, S. (A)
Aplcella, L. C. (M)
Arany, D. M. (SM)
Aurbach, L. (M)
Aurbach, L. (M)
Aurbach, L. (M)
Barber, A. W. (SM)
Barber, A. W. (SM)
Barber, A. W. (SM)
Barber, A. W. (SM)
Berkowitz, M. W. (M)
Berkowitz, M. W. (M)
Berkowitz, M. W. (M)
Berkardt, C. A. (M)
Bettan, M. I. (M)
Bilckstein, M. J. (M)
Boddan, A. (M)
Carmarata, J. (A)
Carrian, L. B. (M)
Carpenter, J. J., Jr. (M)
Castro, S. J. (A)
Catterson, W. A. (M)
Chin, H. C. (A)
Cifu, J. L. (M)
Climent, L. J. (M)
Corrican, J. P. (M)
Devlau, E. J. (M)
Corrican, J. P. (M)
Devlau, E. J. (M)
Devlau, E. J. (M)
Elefant, J. (M)
Devlau, J. H. (M)
Finmann, G. (M)
Finmann, G. (M)
Fereman, A. B. (SM)
Freedricks, I. (M)
Fremburg, S. A. (M)
Franklin, J. I. (A)
Freedricks, I. (M)
Fremburg, S. A. (M)
Garbarini, G. S. (M)
Garbarini, G. S. (M)
Garbarini, G. S. (M)
Gerber, M. M. (SM)
Garbarini, G. S. (M)
Garbarini, G.

Lipperman, L. (M)

Lippmann, J. S. (A)
Liss, M. (M)
Lustig, H. E. (M)
Lynch, W. J. (A)
Lynch, W. J. (A)
Lynch, W. J. (A)
Lynch, W. J. (A)
Marsocci, V. A. (M)
Martin, P. S. (M)
Medici, N. (M)
Melmed, A. (A)
Mesard, R. A. (M)
Merson, L. (M)
Morroe, J. (A)
Mesard, R. A. (M)
Moroe, J. L. (M)
Moroe, J. J. (M)
Natchipolsky, M. (A)
Notson, H. H. (M)
Nigro, A. F. (M)
O'Donnell, E. J. (M)
Paradis, B. (A)
Partner, A. (A)
Partner, A. (A)
Partner, A. (M)
Partner, A. (M)
Partner, A. (M)
Rosin, A. (A)
Resh, M. (M)
Rosin, A. (A)
Rothmel, B. J. (M)
Rubin, S. (M)
Samder, W. M. (M)
Samder, W. M. (M)
Sander, W. M. (M)
Sander, W. M. (M)
Scherer, R. L. (M)
Scherer, S. (M)
Sc

Flushing Manor (L1-2) Beiser, L. (A) Grumet, A. (A)

Forest Hills (LI-2) Abbot, E. A. (SM)
Aguado, M. M. (M)
Aguado, M. M. (M)
Altman, R. B. (A)
Badoyannis, G. M. (M)
Balaban, P. (M)
Baum, S. H. (SM)
Berkin, A. M. (A)
Berkin, A. M. (A)
Berkin, A. M. (A)
Bermer, C. J. (M)
Canavaciol, F. E. (SM)
Chamberlain, L. J. (M)
Conn, J. A. (A)
Eng, J. (M)
Fonseca, A. P. (M)
Frankfort, M. J. (M)
Fridshal, R. (A)
Friedlander, E. (A)
Garlinkel, A. R. (M)
Geller, M. (M)
Glelmer, L. (M)
Glelmer, L. (M)
Goodman, S. (M)
Grayson, K. B. (M)
Grayson, K. B. (M)
Hoban, J. V. (SM)
Jankowski, J. R. (A)
Julie, J. (SM)
Kearny, D. H. (M)
Kearny, D. H. (M)
Kearny, D. H. (M)
Kert, J. S. (M)
Kert, J. S. (M)
Kent, J. S. (M)
Kall, J. S. (M)
Kall, J. J. M. (M)
Mangotain, J. M. (SM)
Meth, J. (M)
M. M. (Call)
M. M. (M)
M. M. (Call)
M Meth, I. (M)
Mitchell, W. M. (SM)
Mittman, S. A. (M)
Moritz, F. G. (M)

Newton, A. (A)
Ocheret. R. (M)
Ocheret. R. (M)
Dhman, B. V. (M)
Parzen, P. (SM)
Pavanen, M. (M)
Petrossian, G. (M)
Sandor, A. (SM)
Saphin, H. N. (M)
Schindler, J. P. (M)
Schlechter, I. (A)
Scott, J. E. (M)
Seitz, H. J. (A)
Smith, F. W. (M)
Smith, F. W. (M)
Smith, G. J. (A)
Spiecens, C. P. (M)
Teltscher, E. S. (M)
Tevonian, R. B. (M)
Violette, W. R. (M)
Violette, W. R. (M)
Wienzio, L. J. (A)
Weber, I. J. (M)
Weiss, E. (A)
Willis, A., Jr. (A)
Willis, A., Jr. (A)
Winzemer, A. M. (SM
Woldt, F. R. (M)
Yudni, B. (M)
Zimmerman, H. (M) (SM) Zimmerman, H. (M)

Fort Edward (SCH-1) Grahame, F. W. (M)

Fort Tilden (L1-2) Hauke, F. E. (M)

Frankfort (RU-1) Carr, E. Q. (M) Cockburn, C. D. (M) Krueger, A. R. (M)

Franklin Springs (RU-1) Kramer, R. S. (M)

Kramer, R. S. (M)

Franklin Square (LI-2)

Affias, I. M. (SM)

Avallone, A. (M)

Balogh, J. (M)

Berinsky, M. (M)

Biberacher, R. (A)

Brody, H. (A)

Comerzo, L. F. (M)

Daskam, E., Jr. (M)

Empelson, B. (A)

Hallisey, R. J. (M)

Harris, S. M. (M)

Holmes, A. P. (A)

Kirwan, J. P. (M)

Lipson, W. (M)

Mosher, L. J. (M)

Mosher, L. J. (M)

Rondins, J. A. L.

Moss, L. A. (M)

Rondins, J. A. (A)

Schmerler, S. (M)

Schmerler, S. (M)

Schwartz, L.J. (M)

Fredonia (BN-1)

Bellitto, R. R. (A)

Blohm, C. F. (A) Bellitto, R. R. (A) Blohm, C. F. (A)

eport (LI-2)
Agopian, A. (A)
Beck, G. S. (M)
Belderok, H. C. (A)
Bridgeman, T. H. (SM)
Burger, R. L. (M)
Campani, L. M. (M)
Carlson, W. A. (M)
Coggins, W. J. (M)
Dolphy, E. L. (VA)
Furst, R. E. (M)
Goldman, J. M. (M)
Gottlieb, H. B. (M)
Henke, G. W. (M)
Kahn, L. R. (SM)
Knox, R. W. (M)
Liguori, F. (M)
Prichard, J. S. (M)
Russell, G. A. (M)
Stephenson, G. E. (SM)
Tricamo, V. A. (M)
Welss, F. L. (M) Freeport (LI-2) Weiss, F. L. (M)

Freeville (ITH-1) Wood, R. H. (A)

Fresh Meadows (LI-2)
Felingold, W. (M)
Gebhardt, J. W. (M)
Jude, G. F. (SM)
Marino, J. (M)
Meyer, D. P. (M)
Mulholland, E. J. (A)
Newman, H. (M)
Phillips, A. H. (A)
Pione, C. (M)
Richman, D. (SM)
Shaft, P. D. (A)
Stern, D. L. (M)
Walsh, F. C. (M) Walsh, F. C. (M)

Galway (SCH-1) David, W. R. (M)

Garden City (LI-2)
Allen, W. T. (M)
Baraby, R. H. (M)
Beck, A. J. (M)
Beck, A. J. (M)
Beck, C., Jr. (M)
Beck, C., Jr. (M)
Behn, E. R. (SM)
Bellmer, W. A. (A)
Berslund, E. B. (SM)
Bernsley, J. T. (M)
Bernell, E. J. (A)
Blasbaig, S. (M)
Bernell, E. J. (A)
Blasbaig, S. (M)
Contacted, C. A. (A)
Cardon, J. (SM)
Cherry, E. P., Jr. (M)
Collard, C. A. (A)
Comes, R. W. (SM)
Cowell, D. E. (SM)
Daizell, C. W. (M)
Day, S. J. (SM)
Daizell, C. W. (M)
Day, S. J. (SM)
Dean, W. M. (M)
De France, J. J. (SM)
Dietz, H. G. (M)
Dong, H. L. H. (M)
Dong, H. L. H. (M)
Dong, H. L. H. (M)
Comes, R. W. (SM)
Fisher, D. L. (SM)
Fisher, D. L. (SM)
Fisher, D. (SM)
Fisher, D. (SM)
Gavenman, E. H. (M)
Gadender, A. G. (M)
Gavenman, E. H. (M)
Gemmill, F. Q. (M)
Girdlas, R. M. (M)
Gittens, E. D. (SM)
Giulianelli, R. M. (M)
Gittens, E. D. (SM)
Henny, K. (F)
Hesse, A. N. (M)
Hoffman, E. J. (SM)
King, W. E., Jr. (M)
Koemed, V. (F)
Lester, J. M. (SM)
Linn, S. S. (M)
Roben, M. J. (M)
Koemed, V. (F)
Lester, J. M. (SM)
Linn, S. S. (M)
Roben, D. F. (M)
Nason, D. B. (SM)
Nason, D. B. (SM)
Nimphy, R. B. (A)
Nimphy, R. B. (A)
Nason, D. B. (SM)
Nimphy, R. B. (A)
Nimph

Garden City Park (LI-2) Braun, L., Jr. (M)
Fitzgerald, J.E. (A)
Frank, K.F. (M)
Leslie, R. E. (A)

Gardiner (NY-MH-2) Thompson, T.N. (M)

Garnerville (NY-2) Ten Eyck, R.A. (A)

Garrison (NY-2) Elmore, W.B. (M) Lewis, E.J. (M) Schroeder, C.E. (A)

Geneseo (ROC-1) Ganlard, R.W. (A) Laldlaw, W.R. (M)

Geneva (ROC-1)
Benda, D. (M)
Falrbanks, D.I. (M)
Smith, C.L. (A)
Smith, S.S. (M)
Woodworth, D.J. (M)

Germantown , (NY-MH-2) Dougherty , J.W. (A) Hinkeln , D. J. (A)

Glen Cove (LI-2)
Andrews, D.H. (SM
Alello, V.S. (M)
Biscoe, G.W. (A)
Brown, L.E. (M) (SM) Buchbinder, M. M. (SM)
Buchbinder, M. M. (SM)
Buchtenkirch, A. J. (M)
Cano, J. R. (A)
Cohen, M. (M)
Davis, W. P. (A)
Davis, W. M. (M)
Doncese, G. (A)
Duffy, D. P. (M)
Egnuss, E. M. (M)
Franzisco, G. (A)
Gebhardt, R. J. (A)
Gebhardt, R. J. (A)
Gebhardt, R. J. (A)
Getz, H. (A)
Glassman, S. (M)
Grabbe, D. (A)
Jackson, D.E. (M)
Jorge, A. (M)
Kingsbury, A. P. (M)
Kiser, W. L. (SM)
Kiser, W. L. (SM)
McDonough, J. A. (SM)
Papas, J. (A)
Parry, J. P. (M)
Proudfit, A. (M)
Proudfit, A. (M)
Scott, G. G. (A)
Swigsett, R. L. (M)
Swigsett, R. L. (M)
Swigsett, R. L. (M)
Whealy, J. E. (SM)
ondale (LI-2)

Glendale (LI-2) ndale (LI-2)
Belz, R.A. (A)
Capellupo, F. V. (M)
Doman, W.G. (M)
Fleming, P. L. (M)
Gomes, C.N. (M)
Merkel, K. (A)
Muth, R.N. (M)
Velt, F. (M)
Valsh, J.J. (A)

en Head (LI-2)
Cetrone, V.C. (M)
Cetrone, V.C. (M)
Cooke, W.T. (SM)
De Lalio, L.D. (M)
Dow, J.B. (F)
Gauger, R.H. (M)
Hanson, G.N. (SM)
Karels, L.E. (M)
Keeneth, J.A. (A)
KIlman, M. (A)
Martin, E.E. (A)
Mayer, F. N. (M)
McClure, R.E. (M)
D'Brien, T.H. (M)
Roessler, F.J., Jr. (M)
Simmons, J.C. (M)
Simmons, J.C. (M)
Siaughter, G.K. (SM)
Syanson, E.H. (SM)
Trimes, R.J. (M)
Todd, P.G. (M)
Tweeddale, J.E. (SM)
Widenor, M.D. (M)
Zylla, H.R. (M) Glen Head (L1-2)

Fridenor, M.D. (M)

Zylla, H.R. (M)

Glen Daks (LI-2)

Binder, D.I. (M)

Botta, A.J. (A)

Broder, A. (M)

Brown, W.K. (M)

Brown, W.K. (M)

Brown, J.P. (A)

Da Rold, J.J. (M)

Elliott, R. G. (M)

Farkas, Z.D. (A)

Foley, J.H. (ND

Gallagher, M.L. (M)

Hansen, H.R. (A)

Lally, K.P. (M)

Nelson, A.G. (A)

D'Leary, D.F. (M)

Prasinos, T. (M)

Ross, H. (M)

Sanderson, G.H. (M)

Sharrow, A.H. (M)

Sharrow, A.H. (M)

Sharrow, A.H. (M)

Stewart, J.J. (M)

Stewart, J.J. (M)

Storey, M., J. (M)

Glen Oaks Village (LI-2)
Breheney, R.F. (A)
Norman, R.H. (A)
Powell, T. (A)
Savadel, R.J. (M)

Glens Falls (SCH-1) Humphrey, T.R. (A) Nichols, D.H. (M) Szydlowski, J.J. (A) Wells, H.D., Jr. (M)

Gloversville (SCH-1) Harges, M.T. (MD

Goshen (NY-MH-2) McClean, J.F. (SM)

Gowanda (BN-1) Allen, M.B. (M) Grand Island (BN-1) Barnes, J. A. (M) Knapp, W. H. (A) Moreau, A. (M) Prast, J. W. (A)

Gravesville (RU-1) Bigelow, R. W. (A)

Great Neck (LI-2)
Abrams, H. M. (M)
Adrams, J. (M)
Adrams, J. (M)
Adrams, J. (M)
Alchele, P. F. (SM)
Anderson, W. M. (M)
Appleman, L. (M)
Becker, J. E. (M)
Becker, J. E. (M)
Becker, J. E. (M)
Bender, A. (M)
Bender, A. (M)
Bender, A. (M)
Bloom, C. H. (M)
Bloom, C. H. (M)
Brown, D. A. (M)
Browning, J. H. (M)
Browning, J. H. (M)
Browning, J. H. (M)
Browning, J. H. (M)
Cook, C. E. (SM)
Colstra, W. P. (M)
Cook, C. E. (SM)
Colstra, W. P. (M)
Cook, C. E. (SM)
Crimmins, J. W. (M)
Crowford, J. D. (SM)
Crimmins, J. W. (M)
Crowsor, R. W. (M)
De Fries, H. A. (A)
Dell'Acqua, L. (M)
Dettinger, D. (SM)
Drossos, J. (M)
Crimmins, J. W. (A)
Foley, T. P. (A)
Frank, R. L. (SM)
Holderin, J. D. (M)
Godstein, S. H. (A)
Godstein, S. H. (A)
Godstein, L. P. (SM)
Graham, V. M. (F)
Greene, S. J. (M)
Grizzel, R. W., J. (M)
Harris, H., Jr. (M)
Harris, H., Jr. (M)
Harris, H., Jr. (M)
Harris, H., Jr. (M)
Harris, P. W. (SM)
Harris, P. W. (SM)
Harris, P. W. (SM)
Harris, P. W. (SM)
Holombo, P. W. (SM

Rosanes, A. P. (M)
Rosenberg, S. L. (M)
Rosenberg, S. L. (M)
Rostky, G. H. (M)
Roth, A. M. (M)
Roth, A. M. (M)
Rutman, S. M. (A)
Sadler, L. R. (TW)
Saladna, J. C. (M)
Schmidt, E. R. (M)
Schmidt, E. R. (M)
Schmidt, E. R. (M)
Schwartz, J. M. (TW)
Schwartz, J. M. (TW)
Schwartz, L. S. (SM)
Segall, R. P. (M)
Shutterly, H. B. (A)
Sleven, R. L. (M)
Spering, J. G. (M)
Spero, R. E. (A)
Stark, E. W. (M)
Stone, S. M. (M)
Stone, S. M. (M)
Stone, S. M. (M)
Tanenbaum, M. S. (SM)
Tanenbaum, M. S. (SM)
Tanenbaum, M. S. (SM)
Tanenbaum, M. S. (SM)
Tanenbaum, F. (M)
Tindall, K. V. (M)
Van Davelaar, F. S. (SN
Vaupel, G. E. (A)
Vehslage, E. P. (M)
Ward, W. C., Jr. (M)
Weltl, A. E. (M)
Willtare, N. L. (M)
Whitelel, E. W. (M)
Willtare, N. L. (M)
Wohl, R. J. (M)
Zbar, P. B. (M)
Zbar, P. B. (M) S. (SM)

Greenlawn (LI-2) enlawn (LI-2)
Graham, W. T. (M)
Home, W. J., Jr. (M)
Johnston, H. (M)
Lisy, B. J. (M)
Morse, R. V. (M)
Nelson, R. T. (SM)
Parker, R. H. (M)
Scheblein, G. M., Jr. (A)
Schenfald, K. (M)
Shergalis, L. D. (M)

Greenport (L1-2) Shipman, J. W., III (M)

Greenvale (LI-2)
Best, R.A. (M)
DI Paolo, E. M. (M)
Goldsmith, K.G. (M)
Hansel, P.G. (F)
Harrison, A.E. (SM)
Slegmund, E.L. (M)

Griffiss AFB (RU-1)
Dausin, L. R. (M)
Guffey, H. F. (M)
Kolhaas, R. L. (M)
Marlow, H. C. (A)
Pope, J. N., Jr. (M)
Shannon, P. D. (M)
Watkins, B. D. (M)
Winbigler, W. K. (M)

Guilderland (SCH-1) Hannam, H. J. (

Halesite (LI-2) Donnelly, F. L. (A) Laivo, D. W. (M) Larson, A. F. (SM) Warner, W. V. (A)

Hamburg (BN-1) Duler, J. R. (M)
Fiedler, L. (M)
McBride, N. G. (A)
Przybyl, R. P. (M)
Talbot, R. D. (M)

Hamilton Beach (LI-2) Pihi, R. L. (A)

Hampton Bays (L1-2) Turner, F. T. (M)

Harpursville (BING-1) Lawrence, N. S. (M)

Harrison (NY-W-2)
Carpiniello, F. (A)
De Pasquale, R. H. (SM)
Galione, W. J. (A)
McIntyre, F. P. (M)
Modugno, V. D., Jr. (A)

Hartsdale (NY-W-2) tsdale (NY-W-2)
Belchis, S. (M)
Bonney, H. W. (M)
Byme, R. M. (M)
Cloud, P. R. (M)
Engelhardt, G. B. (SM)
Gillette, D. (A)
Gordon, R. S. (M)
Guidl, W. R. (M)
Medoff, H. (M)
Robertson, H. E. (M)
Seelbach, W. C. (M)
Simon, M. L. (M) Vagt, H. T., Jr. (M)

Hastings-On-Hudson (NY-W-2) Archbald, R. W. (SM) Batchelor, J. C. (SM) Gaman, R. L. (F) Hohberger, H. P. (A) Lodge, W. B. (F) Ripp, H. (M) Schaefer, L. E. (M) Vavoudis, S. N. (M)

Hauppauge (LI-2) Scheller, J. A. (A)

Hawthorne (NY-W-2) Augustine, R. O. (M) Hales, E. B. (M)

Hempstead (LI-2)
Allen, C. M. (M)
Bedinafield, S. G. (M)
Bedinafield, S. G. (M)
Bedinafield, S. G. (M)
Bellmar, C. L. (M)
Brosch, W. A. (M)
Cappadona, W. L. (M)
Comitz, P. (M)
Diorlo, J. (A)
Eklund, K. E. (M)
Fistelin, I. (M)
Evans, J. E., Jr. (M)
Gould, G. A. (A)
Gustus, D. A. (M)
Johnson, H. E. (A)
Keonjian, E. (SM)
Kilmer, T. W. (A)
Lesser, J. (SM)
Michaels, G. M. (M)
Morishita, N. (M)
Morishita, N. (M)
Morishita, N. (M)
Peters, J. L. (SM)
Philbin, M. J. (M)
Pilnick, C. (SM)
Rudnick, I. M. (A)
Selkirk, W. J. (M)
Skirrow, J. E. (A)
Stewart, J. W. (A)
Verton, M. P. (M)
Westover, T. A. (SM)
Williams, J. H. M. (M)
Westover, T. A. (SM)
Williams, J. H. M. (M)

Henrietta (ROC-1) Carey, J. J. (M)

Hewlitt (L1-2) Kahgan, J. J. (M)

Hewlett Harbor (L1-2) Cahan, L. C. (M)

Canan, L. C. (M)

Hicksville (LI-2)
Abjanich, G. S. (M)
Amodeo, C. F. (M)
Baggia, R. J., Jr. (M)
Bassett, W. H., Jr. (A)
Bernstein, H. (M)
Brecht, L. R., Jr. (M)
Brooks, M. S. (A)
Brown, G. C. (M)
Cady, R. T. (M)
Chaber, R. K. (M)
Chaber, R. K. (M)
Chaber, R. K. (M)
Coloan, G. P. (M)
Cosonas, A. (A)
Doum, A. (SN)
Dolin, M. (M)
Emilio, G. A. (A)
Fein, A. (M)
Feinstein, J. (M)
Fink, A. (SM)
Frink, A. (SM)
Frigla, J. R. (M)
Fry, W. H. (M)
Goodwin, R. L. (M)
Goodwin, R. L. (M)
Goodwin, R. L. (M)
Hayedorn, H., Jr. (A)
Hall, J. D. (M)
Haller, K. A. (M)
Harban, A. (A)
Hayes, W. A. (A)
Herman, S. (M)
Kawaller, J. (M)
Kennedy, J. B. (M)
Kieves, J. K. (A)
Kikta, M. S. (A)
Kowell, R. E. (A)
Kramer, S. (M)
Kenedy, J. B. (M)
Kieves, J. K. (A)
Kikta, M. S. (A)
Kowell, R. E. (A)
Kramer, S. (M)
Morathan, D. F. (M)
Morathan, J. F.

Rudich, I. (M)
St. John, K. M. (SM)
Schwartz, P. (A)
Seckel, J. P. (M)
Seidon, A. (M)
Sherry, L. I. (M)
Sicuranza, C. A. (M)
Simon, I. J. (M)
Simon, I. A. (M)
Simon, I. A. (M)
Simon, I. A. (M)
Simon, I. (M)
Simon, I. (M)
Wellam, J. J. Jr. (M)
Welner, M. L. (A)
Welnrauch, A. (M)
Wellams, G. W. (M)
Wolk, B. (M)
Zamplno, F. J. (A)
Zimmerman, H. (M)
Zinn, L. (M)

Highland (NY-MH-2) Harrison, B. A. (M) McCoy, W. B. (M) Pinto, M. A. (A) Royer, G. H. (M)

Hillburn (NY-2) Teso, W. A. (M)

Hillsdale (NY-MH-2) Saseff, S. S. (M)

Hilton (ROC-1) Jeffers, R. K. (M)

Holcomb (ROC-1) Hudson, D. M. (M)

Holland Patent (RU-1)
Bonnison, G. K. (M)
Ladwig, H. A. (M)
McCann, G. R. , Jr. (A)
Millet, J. F. (A)
Pulhamus, W. R. (M)
Ryerson, J. L. (M)
Stahlberger, W. C. (M)

Hollis (Li-2)
Auerbach, A. A. (M)
Brennan, A. T. (A)
Caputo, N. J. (VA)
Edell, J. J. (M)
Hultmark, R. S. (M)
Johanson, P. (A)
Larsen, G. R. (A)
Lurin, E. S. (M)
McDuffle, T. E. (M)
Prior, F. J. (A)
Richter, I. P. (A)
Schlaffly, H. J. (SM)
Thomson, C. W. (M)
Walko, D. G. (M)

Holliswood (L1-2) Marcus, P. (M)

Hoosick Falls (SCH-1) Case, C. C., Jr. (M) De Luca, A. P. (M)

Hopewell Junction (NY-MH-2) Allen, C. A. (M) Butler, R. A. (A) Lear, E. F. (A) Meyers, M. M. (A) Slobodzinski, E. J. (M) West, R. L. (SM) Wirth, E. D. (M)

Hornell (ELM-C-1) Deegan, T. E. (M)

Horseheads (ELM-C-1)
Alexander, J. J. (A)
Bamford, A. J. (M)
Betts, B. J. (M)
Canty, B. R. (M)
Gerard, W. A. (M)
Gleason, C. H. (SM)
Groo, H. R., III (M)
Kylander, J. C. (M)
Larson, R. G. (SM)
Mansfield, W. O., Jr. (M)
Playfoot, K. C. (A)
Powell, K. D. (M)
Rial, W. S. (M)
Rial, W. S. (M)
Souler, J. G. (SM)
Souler, J. G. (SM)
Souler, W. J. (M)
Vetton, D. A. (M)
Wetton, D. A. (M)

Hudson Falls (SCH-1) Clark, N. R. (M) Cohen, M. (A) Scoville, M. E. (SM)

Howard Beach (LI-2) Freedman, L. M. (A) Green, M. (M)

Hughsonville (NY-MH-2) Walter, G. (A) Huntington (LI-2) Alber, J.D. (M)

Andres, N.E., Jr. (MO
Ball, L.X. (M)
Beers, M. I. (SM)
Beensett, A. I. (M)
Blilhimer, R.D. (A)
Burker, E.W., Jr. (SM)
Carroil, J.J. (A)
Burker, E.W., Jr. (SM)
Comstock, G.E., III (M)
Copel, M. (SM)
De Rocher, W.L. (SM)
Dosch, T.J. (M)
De Rocher, W.L. (SM)
Dosch, T.J. (M)
Elcher, H.G. (M)
Elcher, H.G. (M)
Elcher, H.G. (M)
Evans, R.L. (A)
Evans, R.L. (A)
Evans, R.L. (A)
Evans, R.L. (M)
Fettler, D.T. (SM)
Ferrier, D.T. (SM)
Ferrier, D.T. (SM)
Ferrer, D.T. (SM)
Godfrey, E.R., Jr. (SM)
Godfrey, E.R., Jr. (SM)
Gore, J.H. (M)
Gretz, R.W. (M)
Gunsaulus, L.A. (M)
Gutlove, N.M. (M)
Hanley, G.L. (M)
Holcombe, P.G. (M)
Howell, S. N. (A)
Holcombe, P.G. (M)
Howell, S. N. (A)
Holcombe, P.G. (M)
Howell, S. N. (A)
Howell, S. N. (A)
Howell, S. N. (A)
Holcombe, P.G. (M)
Howell, S. N. (A)
Holcombe, P.G. (M)
Howell, S. N. (A)
Howell, S. N. (A)
Hollin, B.D. (F)
Lyons, R.C. (M)
MacDonald, W.W. (SM)
Mathhews, L.M. (M)
McIsaag, P.R. (A)
Merrill, B.D. (F)
Lyons, R.C. (M)
McIsasa, P.R. (A)
Merrill, G. (SM)
Molchalski, E.H. (M)
Nelsach, P.R. (A)
Merrill, G. (SM)
Molchalski, E.H. (M)
Nobertson, A.S. (M)
Sochaefer, A.E. (M)
Sochaefer, R.B. (M)
Weber, R.L. (M)
Wheler, R.B. (M)
Weber, R.E. (M)
Weber, R.E. (M)
Weber, R.E. (M)
Wheler, R.B. (

Winslow, R. G. (M)
Yamamoto, G.H. (M)
Yamamoto, G.H. (M)
Hunkington Station (Li-2)
Abourezk, W. (A)
Agree, I. (M)
Attura, G. M. (M)
Bemay, R.A. (M)
Buehrle, W. E., Jr. (A)
Connor, W. E., Jr. (A)
Discoror, W. E., Jr. (A)
Dickerson, N. I. (M)
De Troy, B.A. (A)
Dickerson, N. I. (M)
Emerson, J. (SM)
Farkas, J.J. (M)
Fraser, R. (M)
Fraser, R. (M)
Freundilich, M. M. (SM)
Cilmantin, J. Jr. (M)
Goldstein, A. (M)
Gross, S. H. (SM)
Harler, J. F. (M)
Harler, J. F. (M)
Harler, J. F. (M)
Jaffe, H. (M)
Jaffe, H. (M)
Jaffe, H. (M)
Jaffe, H. (M)
Jeller, E. S. (A)
Jolly, E. F. (M)
Kerzner, N. A. (M)
Kintner, P. M. (SM)

KISHI, H. J. (M)
Knecht, R. A. (SM)
Knecht, R. A. (SM)
Koppel, A. U. (SM)
Koppel, A. U. (SM)
Koppel, A. U. (SM)
Koppel, A. U. (SM)
Krusos, D. A. (M)
Kuhn, K. H. (M)
Ladd, G. T. (M)
Ladd, G. T. (M)
Lanb, H. M. (SM)
Lanb, H. M. (SM)
Lanb, H. M. (SM)
Lewine, S. (M)
Levine, S. (M)
Levine, S. (M)
Lewine, S. (M)
Lewine, S. (M)
Lewine, S. (M)
Marcus, J. A. (M)
Marcus, J. A. (M)
Marcus, J. A. (M)
McDermott, F. (M)
McScher, M. (M)
McSchott, M. (M)
Richter, F. G. (M)
Popylisen, D. J. (M)
Richter, F. G. (M)
Roberts, F. G. (M)
Roberts, F. G. (M)
Roberts, F. G. (M)
Schwartz, G. (M)
Schwartz, F. G. (M)
Schwartz, F. G. (M)
Schwartz, R. (M)
Williams, R. J. (SM)
Workinte, R. (SM)
Williams, R. J. (SM)
Workinte, R. (SM)
Workinger, R. (SM)
Workinger, R. (SM)
Workinger, R. (SM)

Hurley (NY-MH-2) Hofler, J.J. (A) O'Reilly, J.P. (M) Turner, J.M. (M) Walston, C.E. (SM)

Hyde Park (NY-MH-2)
Bielawa, F.R. (A)
Burke, M.L. (M)
Coopper, R.A. (A)
Crowe, J.W. (M)
Dettling, A.K. (A)
Digan, T.E. (A)
Eckelman, P.F. (M)
Grubb, D.S. (M)
Hartwig, A. D. (M)
Honmann, R.E. (M)
Kauffmann, J.A. (A)
McCarter, G.B. (M)
Muenzer, B.M. (M)
Patti, M.J. (M)
Rodiguez, L.H. (A)
Trimble, L.F. (M);

Ilion (RU-1)
Daily, B.A. (M)
D'Hoostelaere, A.C. (M)
Momberger, P.E. (M)
Pierce, D.C. (M)

Inwood (L1-2) Geske, R.N. (A)

Irvington (NY-W-2)
Dickstein, S.R. (M)
Sommer, E.I. (M)

Irvington-On-Hudson (NY-W-2) Arfin, B. (SM) Auerbacher, W.F. (SM) Espersen, G. (F) Hipple, J.A. (SM) Kelton, G. (SM) Kohler, T.R. (SM) Maps, C.E. (A)

Island Park (L1-2) Horowitz, H. (M) Marino, P.J. (M) Preisler, M. (M) Islip (L1-2)

Daubaras, E.J. (M) Geyer, G.E. (M) Maher, E.F. (A) Oberbeck, J., Jr. (A) Reeves, W.B. (M)

Islip Terrace (LI-2) Monsees, F. G. (A)

Ithaca (ITH-1)
Ankrum, P. D. (M)
Ares, M. (M)
Baker, H. D. (M)

Blair, W. W. (A)
Blott, E. J. (M)
Blott, E. J. (M)
Booker, H. G. (F)
Brierley, D. H. (M)
Bryant, N. H. (M)
Bryant, N. H. (M)
Bryant, N. H. (M)
Bryant, N. H. (M)
Campbell, J. B. (M)
Campbell, J. B. (M)
Chernoff, D. P. W. (SM)
Chernoff, D. P. W. (SM)
Chernoff, D. P. W. (SM)
De Clarls, N. (M)
Eastman, L. F. (M)
Eastman, L. F. (M)
Farrell, G. F., Jr. (M)
Farrell, G. F., Jr. (M)
Farrell, G. F., Jr. (M)
Farris, E. E. (A)
Ford, L. H. (M)
Gordon, W. E. (SM)
Greer, D. L. (A)
Hackett, C. M., Jr. (M)
Harris, J. E. (A)
Hautaniemi, B. W. (M)
Harris, J. E. (A)
Hutuniemi, B. W. (M)
Holden, W. D. (M)
Kens, G. P. (A)
Mewind, I. R. (M)
Kondon, J. G. (M)
Kantor, G. (M)
Kens, G. P. (A)
Noblos, R. (M)
Kantor, G. (M)
Kens, G. P. (A)
Noblos, R. (M)
Kantor, G. (M)
Kerno, R. W. (M)
Kran, W. P. (M)
Koberts, C. R. (M)
Neserve, W. E. (SM)
Mayer, H. F. (F)
McGaughan, H. S. (SM)
Morery, F. M. (SM)
Perry, F. M. (SM)
Perry, F. M. (SM)
Noblos, R. S. (M)
Sample, G. A. (M)
Seymour, R. N. (M)
Sample, G. A. (M)
Seymour, R. N. (M)
Sample, G. A. (M)
Seymour, R. N. (M)
Simith, H. G. (M)
Simith, H. G. (M)
Seymour, R. N. (M)
Sample, G. A. (M)
Seymour, R. N. (M)
Simith, H. G. (M)
Simith, H. G. (M)
Seymour, R. N. (M)
Simith, H. G. (M)
Seymour, R. N. (M)
Sample, G. A. (M)
Seymour, R. N. (M)
Sample, G. A. (M)
Seymour, R. N. (M)
Simith, H. G. (M)

Zlimmerman, S. W. (SM)

Jackson Heights (LI-2)
Alford, J. R. (M)
Anastos, E. G. J. (M)
Berlly, E. (M)
Berlly, E. (M)
Berlan, L. L. (M)
Bila, P. (M)
Branca, V. J. (M)
Castrignano, R. A. (SM)
Codina, J. G. (A)
Cosachov, B. (A)
Dermit, G. (M)
Dorato, P. E. (M)
Dorato, P. E. (M)
Dorato, P. E. (M)
Dorato, P. E. (M)
Gilde, J. J. (A)
Dugot, R. S. (A)
Emg, R. S. (M)
Facey, J. W. (VA)
Film, E. (M)
Gilick, H. (M)
Gilick, H. (M)
Graf, J. M. (M)
Green, S. (M)
Green, S. (M)
Hant, C. J. (A)
Hart, F. S. (M)
Hant, C. J. (A)
Hong, R. (M)
Kelley, L. A. (M)
Kerner, T. (M)
Kerner, T. (M)
Levine, S. (M)
Missoci, M. R. (M)
Marsoci, M. R. (M)

Martinez, E. P., Jr. (A)
Mazzara, A. (A)
Michaelson, H. B. (M)
Millin, J. F. (M)
Nemchuk, W. J. (M)
Papke, F. E. (M)
Patemo, P. M. (M)
Pleasure, M. (SM)
Prihar, Z. (SM)
Rehberg, C. F. (M)
Rehberg, C. F. (M)
Rehfeld, M. J. (M)
Rudis, M. (M)
Samsky, B. S. (SM)
Scholer, R. M. (A)
Seligson, A. L. (M)
Shapino, J. F. (A)
Terleckyi, J. (A)
Torles, S. R. (SM)
Torian, J. T. (SM)
Tucci, C. J. (A)
Well, K. (M)
Zirselman, A. (A)
Taised

Zirin, M. J. (A)
Zisselman, A. (A)
Jamaica (LI-2)
Baldwin, T. W. (M)
Barsanti, D. H. (A)
Berlin, E. P. (A)
Benstain, G. (SM)
Bertuccio, D. J. (M)
Bodow, J. (M)
Bronstein, S. H. (M)
Bronstein, S. H. (M)
Cadek, J. (M)
Cadek, J. (M)
Carler, B. S. (M)
Carler, B. S. (M)
Cavalai, J. A. (A)
Cataldi, J. T. (M)
Dubinsky, A. C. (M)
Famen, R. W. (A)
Faux, W. H., Jr. (M)
Fitsche, A. J. (A)
Funck, E. V. (M)
Gilleran, F. M. (M)
Gilleran, F. M. (M)
Grigoraki, N. M. (M)
Hargrave, E., T. (A)
Holland, B. S. (A)
Holland, B. S. (A)
Homa, R. M. (M)
Hutter, R. G. E. (F)
Jacobs, B. (M)
Kamen, S. K. (M)
Kamen, S. K. (M)
Kamen, S. K. (M)
Karus, J. (SM)
Lewinstein, M. (SM)
Melman, M. (SM)
Melman, M. (SM)
Melman, M. (SM)
Melman, M. (SM) Koffman, I. (M)
Kraus, J. (SM)
Kraus, J. (SM)
Kraus, J. (SM)
Martin, J. R. (A)
Merian, M. (M)
Merian, M. (M)
Melman, M. (M)
Menasker, D. S. (M)
Moos, A. M. (M)
Myles, M. D. (M)
Niczky, T. A. (M)
Olsen, R. T. (A)
Paledes, T. P. (M)
Pan, J. W. (M)
Pan, J. W. (M)
Resnick, S. (M)
Robbins, A. (M)
Robbins, A. (M)
Sobactiter, I. K. (A)
Schachter, I. K. (A)
Schachter, C. P. (A)
Schlachter, C. P. (A)
Schlachter, C. P. (A)
Schlachter, C. P. (A)
Theodoseau, T. (A)
Topper, L. (A)
Trochesset H. J. (M)
Valer, E. (M)
Weiss, J. (M)
Weisser, S. (SM)
Zachariou, H. (M)
Ziblatt, R. (A)

Jamaica Estates (L1-2) Bernstein, J. (SM) Seldmann, R. W. (M)

Jamestown (ERI-1) Crissey, D. L. (Jazbutis, A. (M)

Jamesville (SYR-1) Batz, J. C. (M) Raper, J. A. A. (A)

icho (Li-2)
Barbella , A. M. (M)
Barbella , A. M. (M)
Bryeman , G. J. (M)
Hartel , R. (M)
Hasenfus , R. G. (A)
Houseworth , G. H. (SM)
Jacobson , N. (M)
Leight , J. (M)
Leight , J. (M)
Levinson , E. (M)
Leoker , M. H. (M)
Mehlman , S. J. (SM)
Miller , G. E. (A)
Novick , M. (M)
Pincus , M. (M)
Torgow, E. N. (SM)
Trevisin , R. F. (M) Jericho (LI-2)

Jewell (RU-1) Markham, I. F. (M)

Markham, I. F. (M)

Johnson City (BING-1)

Amold, O. E. (M)

Barbieri, G. (A)

Black, T. L. (M)

Bosman, E. H. (M)

Carros, J. R. (A)

Caulfield, J. T. (M)

Damron, D. H. (A)

Demer, F. M. (A)

Deray, W. (A)

Duran, F. A., Jr. (SM)

Fournier, L. E. (M)

Fry, L. D. (M)

Fry, L. D. (M)

Fuchiek, R. J. (M)

Garr, D. E. (SM)

Herzig, D. F. (M)

Johnson, M. R. (SM)

Johnson, M. R. (SM)

Johnson, M. R. (SM)

Miller, H. T., Jr. (A)

Moore, R. P. (M)

Miller, H. T., Jr. (A)

Moore, R. P. (M)

Pittsley, E. L. (M)

Pratt, R. L. (M)

Pratt, R. L. (M)

Rangitsch, E. L. (M)

Rudwick, B. H. (SM)

Schultz, D. D. (M)

Simit, J. R. (M)

Johnstown (SCH-1) Vunk, A. C. (M)

Katonah (NY-W-2) Bender, R. R. (A) Cassidy, J. J. (M) Oavison, R. D. (A) Hilliard, W. P. (M) Stuckert, P. E. (M) Weller, D. R. (SM)

Keeseville (SCH-1) Bezior, B. R. (A)

Reeseville (SCH-1)
Bezior, B. R. (A)

Kenmore (BN-1)
Anderson, E. W. (M)
Arthir, R. J. (M)
Bechtel, M. E. , Jr. (M)
Berown, R. M. (A)
Brown, P. M. (A)
Brown, J. F. (M)
Constantino, J. C. (M)
Cooke, D. E. (A)
Dietrich, R. W. (A)
Fleming, R. W. (A)
Franclemont, H. J., Jr. (A)
Iverson, R. W. (M)
Kuinsagen, W. M. (SM)
Klingermeier, P. L. (M)
Kohman, E. J. (M)
Koncsol, A. E. (A)
Lamy, R. H. (M)
Laufer, E. A. (M)
Leggiere, D. D. (M)
Devan, W. J. (M)
Oxley, V. C. (M)
Riggs, J. H. (SM)
Stomski, J. J. (M)
Spears, R. E. (A)
Stephenson, H. B. (M)
Swartzlander, D. E. (A)
Warren, F. H. (M)
Welmers, E. T. (SM)

Kerhonkson (NY-MH-2) Greenberg, H. (M)

Greenberg, H. (M)

Kew Gardens (LI-2)
Arguello, R. J. (M)
Barber, D. (M)
Benscher, W. (A)
Beman, H. M. (SM)
Bidner, H. (A)
Bianco, M. G. (M)
Devito, M. F. (M)
Dicks, H. F. (M)
Dicks, H. F. (M)
Cordon, R. L. (A)
FIJ. (M)
Gordon, R. L. (A)
Hannwacker, J. (M)
Jensen, A. J. (M)
Jensen, A. J. (M)
Jensen, A. J. (M)
Landauer, A. (A)
Lieberman, M. (A)
Lieberman, A. G. (M)
Lurye, J. R. (M)
Marantz, S. B. (A)
Poletti, G. (A)
Reuter, P. J. (SM)
Robertson, J. H. (M)
Schultz, M. L. (A)
Seliger, V. H. (SM)
Smith, C. R. (SM)

Spett, H. (M)
Spielman, S. (M)
Stem, F. G. (M)
Stlel, J. (M)
Stock, D. C. (M)
Taylor, J. M. (M)
Warren, D. M. (M)
Wisener, L. (M)

Kings Park (LI-2) Goodman, K. G. (M) Liverios, D. T. (M) Logrieco, M. G. (M) Preti, L. L. (SM) Williamson, L. A. (A)

Kingston (NY-MH-2)
Ambrosini, F. (M)
Ameth, A. P., Jr. (S M)
Baxter, D. W. (A)
Bliss, B. E. (A)
Bliss, B. E. (A)
Blossome, J. L. (M)
Brown, M. E. (M)
Capasso, G. F. (M)
Carson, J. W. (M)
Cooley, H. E. (M)
Cooley, H. E. (M)
Cooley, H. E. (M)
D'Antonio, R. A. (M)
Dolan, P. A. (A)
Doman, D. B. (M)
D'Antonio, R. A. (M)
Dolan, P. A. (A)
Doman, D. B. (M)
Douglas, R. M. (A)
Douglas, R. M. (A)
Douglas, R. M. (M)
Edgerton, J. F. (A)
Eisenstein, A. M. (M)
Edgerton, J. F. (A)
Eisenstein, A. M. (M)
Halworth, J. L. (M)
Gordon, C. R. (A)
Groce, J. L. (M)
Hadkenberg, F. U. (M)
Hardedian, B. Z. (M)
Hallin, J. E. (M)
Hayden, H. P. (M)
Heassley, R. A. (M)
Hollis, L. L. (M)
Hollis, L. L. (M)
Hollis, L. L. (M)
Monson, E. L. (M)
Johnson, E. L. (M)
Johnson, E. L. (M)
Monson, R. E. (M)
Kenney, R. C. (M)
Kioepping, J. (A)
Krause, H. W. (M)
Lamp, A. W. (M)
Linton, J. H. (M)
Maldin, E. J. (M)
Maldin, E. J. (M)
Mallin, E. J. (M)
Newton, J. D. (M)
Newton, J. D. (M)
Newton, J. D. (M)
Newton, J. D. (M)
Nerouffoot, G. D. (M)
Rolf, C. G. (M)
Rolf, C. J. (M)
Siphers, J. W. (M)
Washburne, J. R. (M)
Washburne,

Kirkville (SYR-1) Wille (SYR-1)
Byle, B. J. (A)
Hathcock, J. S., Jr. (M)
Smith, S. L. (M)
Stiver, J. W. (A)
Winfield, W. S. (M)

Lackawanna (BN-1) Duma, E. D. (A) Fetterolf, W. F. (A)

Lafayette (SYR-1) Jutila, S. T. (M)

La Grangeville (NY-MH-2) Christ, J. G. (A) Mahar, T. F. (M)

Lake George (SCH-1) Strempel, E. L. (M)

Lake Katrine (NY-MH-2)
Di Costanzo, J. A. (M)
Dowski, J. J. (M)
Georgalis, G. C. (M)
George, G. A. (A)
Metrick, J. (M)
Salzillo. E. M. (M)
White, J. J. (A)
Zuckerman, Y. N. (A)

Lake Mahopac (NY-2) Millicker, D. J., Jr. (A)

Lake Success (LI-2) e Success (LI-2)
Barnes, R. S. (M)
Barrow, W. L. (F)
Delany, F. J. (SM)
Wasserman, F. N. (A)
Zimbalist, A. (M)

Lancaster (BN-1) Meiler, G. L. (M) Rimlinger, D. C. (I Sacha, R. J. (A) (M)

Sacha, R. J. (M)

Adler, B. (SM)
Adler, J. T. (A)
Basile, G. I. (M)
Brownell, H. R. (M)
Cammer, M. (M)
Downey, E. F. (A)
King, S. (A)
Kline, A. (M)
Levy, M. L. (SM)
McVity, L. H. (A)
Mullenger, K. E. (M)
Schneider, J. R. (A)
Stein, D. R. (M)
Viebranz, A. C. (M)

Latham (SCH-1)

Latham (SCH-1) Fitzgibbons, J. J. (M) Pino, J. P. (M)

Laurelton (L.1-2)
Antin, J. (M)
Barr, M. P. (M)
Cohen, D. (M)
Epstein, M. (M)
Gerder, E. (M)
Glaser, M. (SM)
Groner, P. S. (A)
Josepher, A. (A)
Kellner, A. S. (M)
Marin, F. I. (M)
Zelkowitz, L. J. (M) Zelkowitz, L. J. (A)

Lee Center (RU-1)
Brunette, G. E. (M)
De Minco, A. P. (SM)
Kunze, A. A. (SM)

Le Roy (RDC-1) Lapp, R.S. (M) Lapp, S.P. (A)

Levittown (LI-2)
Bader, J. M. (M)
Baryeski, A. J. (M)
Beamer, F. E. (A)
Berger, C. D. (SM)
Bolnick, F. I. (M)
Bolnick, F. I. (M)
Bolnick, F. I. (M)
Chernega, J. (M)
Clarke, G. M. (M)
Clarke, G. M. (M)
Clarke, G. M. (M)
Crane, R. L. (M)
Crane, R. L. (M)
D'Agostino, J. V. (M)
D'Agostino, J. V. (M)
D'Magotino, J. V. (M)
D'Agostino, J. V. (M)
D'Agostino, J. V. (M)
Fishel, J. I. (A)
Evans, A. P., Jr. (M)
Friedman, H. (A)
Evans, A. P., Jr. (M)
Friedman, E. (M)
Friedman, E. (M)
Gassler, J. H. (M)
Gotheim, E. (M)
Heacock, W. J., Jr. (M)
Kulba, N. S. (M)
Lavendol, L. G. (M)
Lee, G. C. (M)
Moreira, N. M. (A)
Morris, J., Jr. (M)
Nickel, W. S. (A)
O'landon, R. A. (M)
Piccione, S. C. (M)
Piccione, S. C. (M)
Poulos, B. J. (A)
Prebster, M. T. (M)
Rich, A. L. (SM)
Sant Angelo, M. A. (M)
Schweisberg, E. (M)
Schweisberg, E. (M)
Sinnott, J. (SM) Sinnott, J. (SM) Sobol, J. (M) Steinberg, W. A. (M) Stolzman, B. R. (M)

Strickland, R.D. (M)
Sudinsky, L. (M)
Tatz, A. (SM)
Walker, C. M. (A)
Wellington, T. C. (M)
White, J. D., Jr. (VA)
Whiteman, J. R. (M)

Lewiston (BN-1)
Buranich, G. F. (SM)
Heston, W. S. (M)
Jachlewski, R. H. (M)

Liberty (NY-MH-2) Mauer, W. V. (A)

Lincoindale (NY-W-2) Bruns, W. H. (M)

Lindenhurst (LI-2) denhurst (LI-2)
Brown, L.E. (M)
Brown, L.E. (M)
Buda, P.V. (M)
Church, T. A. (A)
Collins, K. (M)
Morgenstern, Q. A. (SM)
Rohner, G. J. (SM)
Royce, R. C. (M)
Siele, W. A. (A)
Suchanek, C. F. (A)

Little Neck (LI-2)
Allen, A. (M)
Balley, W. F. (F)
Barry, J. C. (M)
Berendsen, C. G. (M)
Binns, J. R. (SM)
Boos, F. H., Jr. (M)
Clark, D. P. (M)
Cosby, J. C. (M)
Cesby, J. C. (M)
Esler, G. A. (M)
Esler, G. A. (M)
Erickson, T. (A)
Goldberg, H. (M)
Hershkowitz, B. (A)
Hirsch, C. J. (F)
Kapp, C. E. (A)
King, W. F. (M)
Kunicky, B. F. (M)
Lameert, N. I. (A)
Levin, H. L. (A)
MacDonald, W. A. (F)
Nagel, K. H. (A)
Nelson, R. G. (M)
Pressman, R. (M)
Rosenblum, H. (SM)
Rybakoff, G. (M)
Spetcr, N. (A)
Spetcr, N. (A)
Spetcr, N. (A)
Tobin, M. W. (M)
Tucker, S. A. (SM)
Wilson, W. H. (M)
Voung, V. J. (SM)
Vilson, W. H. (M)

Liverpool (SYR-1) Allen, A. E., (A)
Andrews, J. V. (M)
Andrews, J. V. (M)
Angus, A. C. (M)
Applebaum, S. P. (SM)
Bear, D. R. (A)
Beguin, F. P. (SM)
Benfey, R. L. (M)
Bowman, D. C. (A)
Boyce, H. K. (A)
Breckner, C. N. (M)
Brown, W. W. (SM)
Brown, D. E. (M)
Clark, M. E. (SM)
Cover, N. W. (M)
Clark, M. E. (SM)
Cover, N. W. (M)
Clark, M. E. (SM)
Cover, N. (M)
Demaree, G. A. (M)
Demo, R. D. (M)
Demo, R. D. (M)
Demo, R. D. (M)
Demore, R. D. (M)
Demaree, C. W. (M)
Cripe, C. W. (M)
Cripe, C. W. (M)
Demaree, C. A. (M)
Clark, M. E. (SM)
Cover, N. (M)
Demaree, C. A. (M)
Cover, N. (M)
Demaree, C. M. (M)
Demaree, C. W. (M)
Demaree, C. W. (M)
Demaree, C. M. (M)
Hansen, R. J. (A)
French, R. W. (M)
Cerlack, R. Z. (M)
Guillett, R. L., Jr. (M)
Hansen, R. J. (SM)
Hart, J. E. (M)
Hooglin, R. M. (M)
Klous, G. A. (M)
Klinos, D. E. (M)
Klinos, D. E. (M)
Millham, R. A. (A)
Kelm, J. M. (M)
Kluender, E. C. (SM)
Millham, R. L. (SM) Nester, W. H. (M)
Noyes, J. E. (M)
Paschetto, D. D. (M)
Pelfer, W. A. (A)
Perreault, D. A. (M)
Pflsterer, F. (A)
Platts, G. F. (SM)
Pollotc, A. H. (M)
Radford, E. R. (M)
Schwager, R. A. (M)
Sirrlne, R. C. (M)
Smith, H. W. (M)
Smith, J. M. (M)
Smith, L. D. (M)
Sparks, J. E. (M)
Stern, E. (M) Sparks, J. E. (M)
Stem, E. (M)
Swing, M. (SM)
Tessier, H. J. R. (M)
Vanderlaan, H. J. (M)
Veley, H. N. (SM)
Walker, O. F. (SM)
Wall, J. A. (M)
Ward, D. D., Jr. (M)
Williamson, J. C. (M)

Lockport (BN-1)
Bulmore, H. R. (A)
Cress, R. B. (M)
French, P. M., Jr. (M)
Rupp, R. B. (M)
Shaler, P. M., Jr. (M)

Locust Valley (LI-2)
Barber, R. G. (M)
Bouteiller, C. E. (A)
Geddy, G. B. (M)
Shaw, R. F. (SM)
Varnum, A. M. (M)
Whipple, G. D. (M)

Long Beach (L1-2) Ig Beach (LI-2)
Allen, E. H. (M)
Briwn, R. M, (A)
Ellis, N. (A)
Klem, A. (M)
Leary, R. W. (M)
Mentz, P. (F)
Pace, R. A. (A)
Smook, I. R. (M)
Wuldrop, J. E. , Jr. (M)
Wurman, G. (M)

Wattorop, J. E., Jr. (N. Wurman, G. (M)

Long Island City (Li-2)
Albaum, M. H. (M)
Albicocco, S. P. (M)
Ashley, H. R. (A)
Astwood, E. J. (A)
Balamuth, L. (M)
Berman, D. C. (M)
Berman, D. C. (M)
Berman, D. C. (M)
Camilleri, C. M. (A)
Camilleri, C. M. (A)
Cohen, H. (M)
Como, A. (A)
Degnan, B. T. (M)
De La Parra, A. F. (M)
Doild, W. A. (A)
Douglas, D. A. (A)
Eisenbroek, M. C. (A)
Fileishman, G. (A)
Geen, W. E. (A)
Ginters, F. A. (A)
Goodman, H. (M)
Haring, L. L. (M)
Haring, L. L. (M)
Jurison, J. (A)
Kelly, J.J. (A)
Kessler, F. (A) Jurison, J. (A)
Kelly, J. J. (A)
Kessler, F. (A)
Klein, W. L. (M)
Lesmer, J. J., Jr. (M)
Leweyt, A. M. (SM)
Llebert, F. R. (M)
Loui, J. S. (M)
Marzoli, A. (M)
McConnell, J. H. (SM)
Morse, F. (M)
Morse, F. (M) Monturo, J. B. (M)
Morse, F. (M)
Narodny, L. H. (M)
Ddessey, P. H. (M)
Ddessey, P. H. (M)
Agagno, C. N. (M)
Rablnowitz, M. H. (A)
Rich, L. C. (M)
Rubln, S. W. (M)
Rubln, S. W. (M)
Rubln, S. W. (M)
SallJ, Z. B. (A)
SallJ, Z. B. (A)
SallJ, Z. B. (A)
Schroeder, G. F. (SM)
Shulman, I. (A)
Simmonds, J. (A)
Simmonds, J. (A)
Skwarek, F. J. (SM)
Snyder, S. J. (M)
Spera, R. L. (A)
Stahl, A. S. (SM)
Stahl, A. S. (SM)
Steams, R. (M)
Tepper, C. A. (A)
Valge, J. (A)
Valge, J. (A)
Valge, J. (A)
Valget, W. (M)
Wood, S. (A)
Zeldner, W. (M)
Wood, S. (A)
Zelldner, S. (A)
Ziller, M. H. (A)
Ziller, M. H. (A)

Loudonville (SCH-1) Gisser, D. (M)

Zimet, M. M. (M)

Jernakoff, G.(M) Rulison, J. P.(M)

Ludiowville (ITH-1)
Deutch, H. M. (SM)
Kascha, G. E. (M)
Livant, W. (M)
Prochazka, A. M. (M)
Sheman, R. G. (A)

nnbrook (LI-2)
Backus, C. H. (A)
Davldoff, F. (M)
Dlxon, L. G. (M)
Doherty, T. F. (A)
Duttera, W. S. (SM)
Granville, R. W., Jr. (M)
Kirchner, C. W. (A)
Koch, R. F. (SM)
Lee, L. H. (M)
Magin, J. J. (M)
Magin, J. J. (M)
Magin, J. J. (M)
Rossoft, A. L. (SM)
Rossoft, A. L. (SM)
Rossoft, A. L. (SM)
Squassoni, G. F. (SM)
Squassoni, G. F. (SM)
Surcite, W. E., Jr. (M)
Traver, H. R. (M) Lynnbrook (LI-2)

Lyons (RDC-1) De Groat, P. H. (M)

Macedon (RDC-1) Wesenberg, C. L. (M)

Mahonac (NY-2) Black, G. R. (A)
Griffin, J. F., Jr. (M)
Moyer, J. J. (M)
Renke, A. (M)

Malden-Dn-Hudson (NY-MH-2) Gaito, K. W. (M)

Malvorne (LI-2)
Beck, A. T. (M)
Brown, J. M. (M)
Deans, W. L. (A)
Gurevics, D. (A)
Hepburn, J. C. (S M)
Kelly, F. J. (M)
Pollack, I. (M)
Pollack, I. (M)
Schneider, R. E. (M)
Shanney, W. I. (M)
Spencer, B. F. (S M)
Tanck, H. (M)
Van Rosenbergh, W. (M)

Spencer, B. F. (SM)
Tanck, H. (M)
Van Rosenbergh, W. (M)
Vetter, R. F. (M)
Zettler, S. G. (M)
Mamaroneck (NY-W-2)
Carlisle, S. F., Jr. (M)
Cavaliere, J. R. (M)
De-Vries, R. (A)
Johnson, R. K. (M)
Powell, A. E. (A)
Robbins, I. M. (A)
Romero, R. F. (M)
Scher, S. M. (A)
Steinberg, M. I. (A)
Stevens, A. M. (F)
Vollenweider, A. D. (M)
Brounstein, A. (M)

vollenweider, A. D. (M)
Brounstein, A. (M)

Manhasset (LI-2)
Bass, J. G. (M)
Bell, W. W., III (M)
Bowie, R. M. (F)
Brown, H. A. (SM)
Brown, R. W. (M)
Davis, W. J. (M)
Davis, W. J. (M)
Della-Corte, J. P. (SM)
Dunn, B. B. (M)
Ebert, J. E. (SM)
Fitzpatrick, J. A. (M)
Gorsellinger, W. H. (SM)
Grossellinger, W. H. (SM)
Hathaway, J. L. (SM)
Jackson, B. A. (M)
Jones, M. E. (M)
Nickel, F., Jr. (VA)
Potter, R. E. (A)
Rimmler, F. F. (A)
Scott, R. (A)
Traenkle, J. W. (M)
Welbel, G. E. (SM)
Woods, W. C. , Jr. (M)

Manlius (SYR-1)
Bessette, D. U. (M)
Budin, G. W. (M)
Chamberlin, J. C. (M)
Edwards, K. A. (SM)
Heartz, R. A. (M)
Jacobs, G. B. (SM)
Oleyar, M., Jr. (M)
White, P. K. (M)

Marathon (SYR-1) Wilson, R. M. (A)

Marcellus (SYR-1) Devine, G. F. (SM)

Marcy (RU-1) Blake, H. C. (M)

La Salle, R. H. (M)

Maspeth (LI-2)
Brecht, G. L. (A)
Guttoff, G. H. (M)
Howard, R. F. (M)
Jaworowski, B. R. (A)
Jaworowski, E. V. (A)
Kay, L. M. (SM)
Martin, R. E. (SM)
McAllister, J. P. (M)
Michal, R. L. (M)
Muller, R. (A)
Pataki, E. (M)
Vogts, W. R. (M)

Massapequa (L1-2)

Ashus, A. (A)
Bartsch, R. T. (M)
Bartsch, R. T. (M)
Berler, R. (M)
Berler, R. (M)
Beigen, A. J. (M)
Bonner, W. A., Jr. (M)
Capasso, L. V. (M)
Cherry, M. (M)
Cherry, M. (M)
Cherry, M. (M)
Darden, R. R., Jr. (SM)
Di Torn, M. (J., (F)
Enlow, P. M. (M)
Feldman, L. (M)
Feldman, L. (M)
Gold, J. I. (M)
Gold, J. I. (M)
Goldstone, L. L. (A)
Hammond, R. J. (A)
Hameman, F. G. (A)
Harvey, W. M., Jr. (M)
Hill, C. E. (M)
Lushamer, C. (M)
Larkowitz, E. (M)
Marcinkawski, E. R. (M)
Morter, M. W. (M)
Mortinkam, C. (M)
Mortinkam, C. (M)
Rector, L. V. (M)
Rector, L. V. (M)
Rector, L. V. (M)
Restor, A. E. (M)
Salz, J. S. (M)
Staros, B. (SM)
Staros, B. (SM)
Wittel, J. W. (M)
Staros, B. (SM)
Wittel, J. W. (M)
Wittner, R. D. (SM)

ssapequa Park (LI-2)
Arfin, A. D. (M)
Balley, G. E. (M)
Cipolla, A. P. (A)
Cronauer, E. A. (M)
Feerst, I. (SM)
Finken, K. R. , Jr. (A)
Gioielli, R. R. (A)
Goodman, J. (M)
Green, R. (M)
Halpin, A. T. , Jr. (M)
Heins, J. L. (SM)
Hermelin, L. S. (SM)
Johnson, F. L. (A)
Karas, J. P. (A)
Lizzio, J. (A)
Mansfield, E. C. (A)
Ogden, D. R. (M)
Salamy, M. S. (M)
Scharf, E. (M)
Swearingen, T. J. (SM)
Yutkowitz, C. K. (M)
Zuzolo, P. R. (M) Massapequa Park (LI-2)

Massena (SYR-1) Bond, N. T. (M)

Mastic (I 1-2) Parmely, E. H., Jr. (A)

Mastic Beach (L1-2) Fuelling, P. W. (M)

Mattydale (SYR-1) xyoare (SYR-1)
Abeyta, J. P., Jr. (M)
Fiederer, J. A. (M)
Gannett, G. L. (M)
Humphrey, J. G. (M)
Scholes, H. M. (M)

Mechanicville (SCH-1) Belmonte, A. P. (M)

Medford (L1-2) Ziegelmair, L. A. (M)

Mcdina (ROC-1) Vosteen, R. E. (SM)

Melville (LI-2)
Cahill, F. C. (SM)
Comstock, G. C. (F)
Crist, P. W. (SM)
Gaus, A. (M)
Kearney, J. W. (SM)
Schrader, L. W., Jr. (M)
Speh, K. C. (SM)
White, W. D. (F)
Williams, A. L. (M)

Memphis (SYR-1) Coniber, G. A. (A)

rrick (LI-2)
Baird, J. E. (A)
Casale, D. R. (M)
Hirsch, R. B. (M)
Knight, P. (M)
Kowalski, A. (M)
Lindenfelser, W. A. (M)
Loebr, R. A. (A)
Paul, I. (M)
Randall, G. A. (SM)
Sahm, E. J. (M)
Tackel, H. W. (SM)
Wolff, H. (M)
Woodbury, C. P. (M)
Zeller, J. F. (M) Merrick (L1-2)

Middle Island (LI-2) Adams, T. H. (A)

Middletown (NY-MH-2) Daugherty, R. M. (SM) Pajak, A.W. (M)

Middle Village (LI-2) Blatz, R. E. (M) Cohen, S. (M) DUHUP, D. A. (M) King, C. N. (M) Lyons, J. W. (M) Merkel, J. F. (A) Muller, W. G. (A) Parker, H. L. (A) Shubel, E. J. (M) Zamir, I. Z. (M)

Millbrook (NY-MH-2) Florac, W. A., Jr. (M)
Wallace, J. F. (M)
Wroblewski, E. J. (A)

Miller Place (L1-2) Watson, C. W. (M)

Milton (NY-MH-2) Mueller, D. C. (M)

Mineola (LI-Z)

Arams, F. R. (SM)

Avery, R. E. (SM)

Buman, M. (M)

Bisby, J. F. (SM)

Blank, S. J. (M)

Blark, S. J. (M)

Blark, S. J. (M)

Blazek, G., Jr. (A)

Bostrom, R. C. (M)

Bradley, H. E. (M)

Brown, L. L. (A)

Caddell, R. (A)

Canding, J. H. (SM)

Close, R. N. (SM)

Creneau, P. J. (M)

Creneau, P. J. (M)

Estein, J. N. (M)

Estein, J. N. (M)

Fagan, D. F. (M)

Forom, W. E. (SM)

Forom, W. E. (SM)

Folini, E. G. (F)

Fyme, M. G. A. (A)

Goldberg, R. M. (M)

Goldberg, R. M. (M)

Goldberg, R. M. (M)

Hadgerin, A. (M)

Hadgerin, A. (M)

Hadgerin, A. (M)

Hadgerin, A. (M)

Hockenjos, R. M. (M)

Hendler, A. J. (M)

Hockenjos, R. M. (M)

Hockenjos, R. M. (M)

Kapan, D. B. (M)

Julich, H. (M)

Kapan, J. G. (M)

Kezer, C. F. (M)

Kezer, C. F. (M)

Lebenbaum, M. T. (SM)

Lebhin, J. E. (SM)

Larson, R. A. (M)

Lombardo, P. P. (A)

Lombardo, P. P. (A)

Lombardo, J. F. J. (M)

Lown, J. F. J. (M)

Mackernan, J. J. (M)

Mackernan, J. J. (M)

Mackernan, J. J. (M)

Mackerland, J. E. (SM)

Mocrarland, J. E. (SM)

McGrarland, J. E. (SM)

McGrarland, J. E. (SM)

McGrarland, J. E. (SM)

McGrarland, J. E. (SM) McFarland, J. E. (SM)
McGeregor, J. C. (SM)
McGeregor, G. E. (A)
Mieher, W. W. (F)
Miller, D. M. (SM)
Morton, G. W. (M)
Mueller, F. J. (M)
Mueller, F. J. (M)
Oshiro, F. K. (M)
Owen, D. J. (M)
Paolantonio, A. (M)
Parsons, B. L. (M)
Pepper, H. H. (A)
Radway, T. D. (M)

Rearwin, R. H. (A) Reymann, J., Jr. (M) Richter, H. E. (M) Ricker, N., Jr. (M) Robertson, D. J. (M) Rumrill, H. J. (M) Salerstein, L. J. (M) Salerstein, L. J. (M)
Sauer, H. E. (A)
Sawyer, H. S. (M)
Schaefer, G. H. (A)
Schweber, S. C. (M)
Schweber, S. C. (A)
Schweber, S. C. (A)
Schweber, M. (M)
Shilvely, R. P. (M)
Shilvely, R. P. (M)
Shilvely, R. P. (M)
Shulman, A. (A)
Siegel, J. R. (M)
Slimonton, L. J. (M)
Skifter, H. R. (F)
Skrobisch, A. (M) Skrobisch, A. (M)
Stephenson, J. G. (SM)
Tionaytis, C. J. (A)
Tolles, W. E. (SM)
Torn, L. J. (SM)
Wang, C. C. (F)
White, J. A. (M)
Wille, R. A. (A)
Wolkov, D. (SM)
Yale, W. H. (SM)

Minoa (SYR-1) Ernst, E.C. (M) Hagnauer, R.A. (M) Wilson, R.D. (A)

Mitchell AFB (L1-2) Venerella, J. A. (M)

Monroe (NY-MH-2) Sperr, A. E. (M) Vollkommer, W. A. (VA)

Monsey (NY-2) Gradner, H. (A) Sargent, A. F. (M) Selender, H. (M)

Monticello (NY-MH-2) Fleischer, A.P. (A)

Montrose (NY-W-2) Koepcke, R. W. (A)

Mount Kisco (NY-W-2)
Burden, R. W. (A)
Daley, W. E. (M)
Doyle, R. J. (A)
Dubbels, D. A. (M)
Grace, F. (SM)
Harmon, H. F. (M)
Machanic, E. D. (A)
Orell, F. M. (M)
Short, W. P. (SM)

Mount Marion (NY-MH-2)
Eickhorn, C. R., Jr. (M)
Foley, J. H. (A)
Hoffer, E. V. (M)
Oldani, C. M. (M)
Pasquariello, C. J. (M)
Reilly, T. J. (M)
Schiff, A. (A)
Skatrud, R. O. (A)

Mount Marion Park (NY-MH-2) Maryon, M. K. (A)

Mount Vernon (NY-W-2)
Achtellik, G. (M)
Bannon, D. W. (M)
Bloom, F. J. (SM)
Brenner, B. (M)
Callahan, J. P. (M)
Callahan, J. P. (M)
Cambell, C. H. (M)
Charleston, S. M. (A)
Degenhardt, R. N. (M)
Desnoes, W. B. (A)
Douglas, R. H. (M)
Dowling, T. J. (A)
Elkind, P. (A)
Elkind, P. (A)
Geduldig, D. S. (M)
Gurdus, H. W. (A)
Hendlin, H. M. (M)
Herz, H. L. (M)
Hineline, H. D. (M)
Krasnow, S. B. (M)
Kulka, E. R. (M)
Kulka, E. R. (M)
Lang, H. M. (A)
Mason, C. A. (M)
Mattila, P. E. (A)
Miller, D. C. (M)
Mitchell, D. C. (M)
Mitchell, D. C. (M)
Mitchell, D. C. (M)
Mitchell, D. C. (M)
Samuelson, A. A. (A)
Redstone, C. W. (M)
Rosenbaum, A. H. (VA)
Rosenbarm, P. (SM)
Rotondi, G. L. D. (M)
Samuels, D. S. (A)
Senseney, G. T. (A)
Stablekt, W. (A)
Sonkin, D. (SM)
Solteri, J. J. (A)
Sturn, N. (M)
Willace, M. (SM)
Willace, M. (SM)
Willace, M. (SM)

Munsey Park (LI-2) Heindel, H. J. (SM)

Nanuet (NY-2) Strauss, G. M. (M) Went, J. J. (A)

Nassau (SCH-1) Merchant, R. (M)

Neponsit (LI-2) Goldfein, S. F. (M) Sylvane, A. A. (SM)

Nesconset (LI-2) Godwin, R. G. (M)

Newark Valley (BING-1) Flanders, E. S. (M) Sullivan, R. M. (M)

Newburgh (NY-MH-2)
Drake, H. (A)
Galage, D. J. (M)
Gorton, R. M. (M)
Hill, J. H. (A)
Konczal, F. D. (M)
Podell, S. (M)
Rhodes, J. F. (A)
Schoch, D. L. (A)
Vecchlarelli, N. (A)
Vlahos, P. G. (A)
Wall, J. J. (M)
Youngblood, H. R. (M)

New City (NY-2)
Doeliner, L. J. (M)
Greenwald, M. H. (M)
Hastings, L. S., Jr. (A)
Webb, C. E. (M)

Webb, C. E. (M)

New Hartford (RU-1)

Baldridge, B. H. (SM)

Barrick, W. E. (M)

Benjamin, H. L. (A)

Brown, C. D. (M)

Bussey, H. C. (M)

Bussey, H. C. (M)

Bussey, H. C. (M)

Bussey, H. E. (M)

Dover, B. M. (M)

Estey, H. E. (M)

Finison, G. W. (M)

Geiser, D. T. (M)

Griswold, J. H. (M)

Harris, L. D. (M)

Hogan, E. V., Jr. (SM)

Homak, P. M. (M)

Kuehl, W. J. (SM)

Larkin, R. M. (SM)

Markwalter, J. L., Jr. (SM)

Mocabe, K. E. (M)

Olson, F. A. (M)

Pangburn, L. R. (M)

Pangburn, L. R. (M)

Pilipott, L. R. (SM)

Pincombe, A. L. (A)

Powers, R. (M)

Priest, F. R. (SM)

Picet, B. E. (M)

Scanlan, R. E. (M)

Scanlan, R. E. (M)

Staudaher, F. M. (M)

Valker, R. K. (M)

Walker, R. K. (M)

Wathall, W. C., Jr. (M)

Warts, P. M. (M)

Voder, C. (SM)

Watts, P. M. (M)

Zachary, R. A., Jr. (SM)

Yoder, D., F., (A)
Zachary, R. A., Jr. (SM)
New Hyde Park (Li-2)
Adler, L. L. (M)
Bell, V. J., Jr. (M)
Berlowitz, B. (M)
Berwan, N. (M)
Berwan, N. (M)
Berwan, N. (M)
Borshard, A. A. (A)
Boziwick, G. E., (M)
Callaghan, E. P., (A)
Camp, S. N. (M)
Collins, W. G. (M)
Comis, D. (M)
Contrastan, D. P. (A)
De Lorenzo, J. D. (M)
Detwiler, S. P., (M)
Dittenhoefer, H. F. (M)
Diffy, A. F. (A)
Eisenhauer, F. E. (M)
Eilis, F. W. (M)
Farber, R. J. (SM)
Friedman, I. (M)
Glese, J. E. (A)
Goebeler, W. H., Jr. (M)
Hudelson, R. L. (M)
Hudelson, R. L. (M)
Janiesch, H. R. (M)
Lenefsky, S. (M)
Lehtonen, E. W. (M)
Lehtonen, E. W. (M)
Lehtonen, D. A. (A)
Lonkemper, D. A. (A)

Loughlin , R . G . (SM)
Madrick , S . A . (A)
Marshall , J . C . (M)
Marshall , J . C . (M)
Marsman , J . H . (SM)
McNenna , K . F . (M)
McNenna , K . F . (M)
McMahon , J . R . (M)
McMinolland , G . T . (A)
Ddom , C . H . (A)
Drazio , A . F . (M)
Palmierl , C . A . (A)
Petrykanyn , J . (M)
Pelak , H . L . (A)
Proscla , P . A . (M)
Richter , H . H . (A)
Richter , H . H . (A)
Richter , H . H . (A)
Simonelli , N . A . (M)
Simonelli , N . A . (M)
Tarantino , T . C . (M)
Trunk , E . G . (SM)
Vanaman , F . P . (A)
Vinarub , M . E . (M)
Wozniak , L . M . (M)
Vorinks , A . (SM)
Zalkin , S . P . (M)

New Paltz (NY-MH-2) Culver, R. S. (M) Demers, M. E. (M) Du Bois, G. E. (M) Fritz, F. J. (M) Stone, F. A. (M) Wilson, P. J. (M)

New Rochelle (NY-W-2)
Alaia, C. M. (M)
Andraud, R. J. (A)
Appelbaum, G. (A)
Appelbaum, G. (A)
Burder, L. S. (A)
Benjamin, S. K. (M)
Berke, L. C. (M)
Bower, C. M. (M)
Bower, C. M. (M)
Bower, C. M. (M)
Bower, C. M. (M)
Daly, R. T. (SM)
Dana, A. W. (M)
Dubilier, W. (F)
Feldman, E. F. (SM)
Goldberg, M. I. (A)
Goldfischer, L. I. (SM)
Grand, B. (M)
Greibach, E. H. (SM)
Hanchrow, J. J. (A)
Harnack, W. P. (M)
Harris, C. (M. (SM)
Hirsch, J. D. (M)
Karp, J. R. (SM)
Landis, J. C. (M)
Lee, G. F. (M)
Murphy, M. J. (M)
Penutz, R. A. (M)
Pettal, R. (A)
Polansky, P. (A)
Reed, J. (SM)
St. Clair, B. W. (M)
Schwartz, H. E., Jr. (M)
Schwartz, H. E., Jr. (M)
Taylor, E. R. (Jr. (M)
Taylor, E. T. (M)
Schwartz, H. E., Jr. (M)
Taylor, E. T. (M)
Schwartz, H. E., Jr. (M)
Taylor, E. F. (Jr. (M)
Wank, P. J. (M)
Wood, C. R. (A)
Wu, W. I. L. (SM)

Wood, C. R. (A)
Wu, W. I. L. (SM)

New York City (NY-2)
Abraham, I. (A)
Abrahamsen, A. (A)
Acheson, M. A. (F)
Adams, A. T. (M)
Adams, A. T. (M)
Adams, A. T. (M)
Addern, C. (A)
Adler, C. (A)
Adler, R. H. (M)
Afshar, G. H. (M)
Afshar, G. H. (M)
Albanese, J. P. (M)
Allor, E. (M)
Alexandro, F. J., Jr. (M)
Alexandro, F. J., Jr. (M)
Alexandro, F. J., Jr. (M)
Almquist, M. L. (F)
Alphonse, G. A. (M)
Almanist, M. L. (F)
Alphonse, G. A. (M)
Amatniek, E. (M)
Amy, E. V. (SM)
Andress, R. K. (M)
Andress, R. K. (M)
Anis, J. (A)
Appel, H. W. (SM)
Arm, W. (M)
Armstrong, C. A. (SM)
Armstrong, G. S. (M)
Armold, J. W. (SM)

Arons, E. L. (A)
Arthur, W. (M)
Asen, R. (A)
Ash, R. B. (M)
Ash, R. B. (M)
Ashud, N. R. D. (A)
Atwood, S. (SM)
Auriema, A. (A)
Austein, E. E. (M)
Aviv, D. G. (M)
Backer, C. M. (SM)
Backus, J. W. (M)
Baer, T. M. (M)
Baerst, L. R. (A)
Bailey, G. W. (F)
Ballan, J. C. (M)
Barasch, H. P. (M) Balan, J. L. (M)
Barash, L. F. (M)
Barash, L. F. (M)
Barash, L. F. (M)
Barash, S. A. (M)
Barohout, J. M. (M)
Barohout, J. M. (M)
Barnic, E. V. (M)
Barnic, E. V. (M)
Bart, G. P. (M)
Bart, W. E. Jr. (M)
Baum, M. C. (M)
Baum, L. (M)
Baum, R. F. (SM)
Baum, R. F. (SM)
Bauman, R. H. (M)
Baum, R. F. (SM)
Bauman, R. H. (M)
Baum, R. F. (SM)
Bealey, C. F. (A)
Bederman, S. (A)
Beller, W. (SM)
Berner, L. (M)
Beryer, L. (M)
Bigelow, S. C. (M)
Bilack, D. G. J. J. (SM)
Black, D. G. (M)
Blook, M. (M)
Bootlaroff, G. M. (M)
Brown, P. L. (M)
Brady, T. D. (A)
Bradley, F. R. J. (M)
Brown, P. J. (A)
Bradley, F. R. J. (M)
Brown, P. M. (A)
Brown, P. M. (A

Casselman, W. G. B. (A)
Castaner, A., Jr. (A)
Caweln, M. (F)
Cedarholm, J. P. (M)
Cepoi, J. (M)
Chaffee, J. G. (F)
Chamberlain, A. B. (F)
Chamberlain, A. B. (F)
Chamberlain, A. B. (F)
Chamber, J. A. (A)
Chaney, W. G. (M)
Chenin, S. (M)
Chenin, S. (A)
Chenin, S. (A)
Chenin, S. (A)
Chenin, P. M. (M)
Chilian, P. M. (M)
Chin, M. (A)
Chin, M. (A)
Chin, H. A. (F)
Chirlian, P. M. (M)
Chistanen, J. W. (SM)
Chorafas, D. N. (M)
Christian, H. K. (M)
Cloristian, H. K. (M)
Clinelli, H. L. (M)
Claker, S. J. (SM)
Claker, C. J. (M)
Claker, C. J. (M)
Clewen, G. J. (M)
Cloworthy, J. H. (M)
Cohen, J. (J. (M)
Cohen, C. B. (M)
Cohen, J. (A)
Coles, W. T. (A)
Comeau, E. A. (SM)
Coles, W. T. (A)
Comeau, S. T. (A)
Connelly, J. J. (M)
Coles, W. T. (A)
Connelly, J. J. (M)
Coles, W. T. (A)
Connelly, J. J. (M)
Coles, W. T. (A)
Connelly, J. J. (M)
Coles, M. (A)
Coney, H. E. J. (SM)
Cooper, M. (A)
Coney, H. E. J. (SM)
Corva, H. A. (A)
Coney, H. E. J. (SM)
Corva, H. A. (A)
Coney, H. E. J. (SM)
Corva, F. H. (M)
Corva, J. J. (M)
Deland, T. (A)
De Meur, T. M. (M)
Devine, P. J. (M)
Devine, P. J. (M)
Densold, J. (M)
Densold, J. (M)
Deland, T. (A)
Densold, J. (M)
De

Eggert, J. (SM)
Ehrlich, C. N. (A)
Ehrlich, C. N. (A)
Elchwald, B. (SM)
Eisenberg, J. (M)
Eisenberg, L. (M)
Eisenberg, M. H. (M)
Eisenberg, M. (M)
Eilm, F. (M)
Eilm, F. (M)
Eillis, A. (M)
Eillis, A. (M)
Eillis, R. (M)
Engle, V. M. (M)
Engle, V. M. (M)
Engle, V. M. (M)
Engle, V. M. (M)
Eonary, T. (SM)
Estilinger, A. B. (M)
Earlis, M. (A)
Fallis, M. (A)
Feldman, S. (M)
Ferdell, D. P. (A)
Fezer, H. (M)
Finkel, J. (A)
Finkel, J. (A)
Finkel, J. (A)
Finkel, A. (A)
Finker, A. (A)
Finker, A. (A)
Finker, R. (M)
Fisher, D. C. (M)
Frewed, R. (M)
Frewed, R. (M)
Freed, R. (M)
F

Caruthers, R. S. (SM) Cassell, J. L. (VA) - 523 - NEW YORK

Greenbaum, M. (M)
Greenstein, P. (M)
Greenstein, P. (M)
Greenstein, P. (M)
Greenwald, C. (A)
Greig, J. H. (M)
Grey, R. (M)
Griffin, J. P. (M)
Grose, R. (M)
Gross, R. D. (M)
Gross, R. D. (M)
Gross, R. D. (M)
Grossman, F. J. (A)
Grossman, F. J. (M)
Grundry, A. B. J. (M)
Grundry, A. B. J. (M)
Grundry, A. B. J. (M)
Gundrson, W. G. (M)
Gundrson, W. G. (M)
Gundrson, W. G. (M)
Gundrson, W. G. (M)
Haase-Dubosc, A. A. (M)
Haase-Dubosc, A. A. (M)
Haase-Dubosc, A. A. (M)
Haddad, J. A. (M)
Harkey, F. (M)
Harkey, F. (M)
Harkey, F. (M)
Harkey, J. (M)
Harkey, J. (M)
Harkey, J. (M)
Harkey, G. (SM)
Harrish, G. (SM)
Harrish, F. R. (A)
Heller, G. (SM)
Harrish, G. (SM)
Harrish, F. R. (A)
Heller, G. (M)
Herry, J. L. (M)
Horder, J. F. (M)
Herry, J. L. (M)
Horder, J. F. (M)
Herry, J. L. (M)
Horder, J. R. (SM)
Horelick, D. (M)
Horder, J. R. (SM)
Horelick, D. (M)
Horder, J. R. (SM)
Horelick, D. (M)
Horder, J. J. (M)
Hollander, L. J. (M)
Hollander, J. P. (M)
Hollander, J. R. (SM)
Horelick, D. (M)
Horder, J. R. (SM)
Horelick, J. R. (M)
Horelick,

Julie , L. (M)
Jung , R. F. (A)
Jung , R. F. (A)
Jurgen , R. F. (A)
Kabast , C. L. (A)
Kadonaaa , H. (A)
Kalmann, H. E. (F)
Kardachuk, S. T. (M)
Kardan, J. (A)
Kardan, J. (A)
Kardan, W. O. (M)
Kardin, I. (M)
Kardin, I. (M)
Kassler, R. (M)
Katell, E. (M)
Katel, S. (A)
Katz, S. (A)
Katz, S. (A)
Katz, S. (A)
Kelb, A. J. (M)
Keller, A. C. (SM)
Keller, A. C. (SM)
Keller, J. J. (M)
Keller, J. J. (M)
Keller, J. J. (M)
Kenedal, J. A. (A)
Kenedy, J. J. (M)
King, F. (SM)
Kirin, J. M. , Jr. (M)
Kohler, A. O. (M)
Koff, R. M. (SM)
Kilner, J. (M)
Koolker, N. (A)
Kolker, N. (A)
Kolker, N. (A)
Konig, W. F. (M)
Kooman, J. (M)
Kosinski, F. J. (M)
Krawee, A. M. (M)
Lasi, J. J. (M)
Lasi, J. J. (M)
Lasi, J. J. (M)
Lander, J. J. (M)
Lander, J. J. (M)
Levi, F. (M)
Levi, F. (M)
Levi, J. (M)
Levin, M. J. (M Love, G. V. (M) Low, C. L. (M) Lowenstein, M. (A) Lukashewitz, P. (A)

Lukianoff, L. (A)
Luntz, J. D. (SM)
Mabuchi, K. K. (M)
Mackenzie, R. P. (M)
Mackenzie, R. P. (M)
Maedel, G. F. (SM)
Magld, A. (M)
Mand, H. J. (M)
Mandell, M. (A)
Mand, H. J. (M)
Manner, A. E. (A)
Mansky, L. (A)
Mansky, L. (A)
Marsky, L. (A)
Marsen, C. M. (SM)
Marcinkowski, H. L. (M)
Marinkowski, H. L. (M)
Marin, J. A. (M)
Marvin, P. R. (SM)
Marvin, P. R. (SM)
Marvin, P. R. (SM)
Marw, F. L. (SM)
Mason, L. (M)
Mason, W. (SM)
Mason, R. A. (M)
Mastrandrea, R. J. (M)
Mattial, P. A. (A)
Mattilson, G. H. (M)
Mattila, P. A. (A)
Mattilson, G. H. (M)
Mattila, P. A. (A)
Mauler, R. (M)
McColnell, K. R. (SM)
McColnell, K. R. (SM)
McColnell, K. R. (SM)
McCusker, R. F. (M)
McConnell, K. R. (SM)
McConnell, K. R. (SM)
McCusker, R. F. (M)
McConnell, K. R. (SM)
McConnell, K. R. (SM)
McCusker, R. F. (M)
McConnell, K. R. (SM)
McConnell, K. R. (SM)
McCusker, R. F. (M)
McConnell, R. R. (M)
McConnell, R. (M)
McConnell, R. R. (M)
McConnell, R. (M)
McCon

Onyshkevych, L. S. (M)
Orensteln, N. (M)
Orensteln, N. (M)
Osataler, T. (SM)
Ostheimer, F. R. (A)
Ostrolenk, S. (M)
Ower, H. (A)
Ower, H. (M)
Ower, H. (M)
Ozer, H. (M)
Paley, W. S. (A)
Palmisano, G. A. (A)
Palozo, I. (SM)
Palozo, S. (M)
Palozo, S. (M)
Palozo, S. (M)
Parisier, M. (A)
Passavant, C. A. (M)
Passuler, C. J. (M)
Pesaroni, H. (M)
Pesaron, H. (M)
Peder, H. M. (M)
Peder, H. M. (M)
Peder, H. M. (M)
Peder, R. J. (A)
Peller, H. M. (M)
Peterson, E. (F)
Petraher, L. (A)
Petifer, P. (M)
Petity, C. H. J. (M)
Petity, A. T. (M)
Pilibin, S. H. (A)
Pinney, E. D. (SM)
Pilibin, S. H. (A)
Pinney, E. D. (SM)
Piltre, V. H. (A)
Pinney, E. D. (SM)
Piltre, V. H. (A)
Pilore, E. R. (F)
Pitre, V. H. (M)
Pollak, R. H. (M)
Pollak, R. H. (M)
Pollak, P. C. (M)
Pollak, P. C. (M)
Poss, E. (A)
Pros, E. R. (A)
Price, A. S. (A)
Price, A. S. (A)
Price, G. W. (M)
Rablowitz, J. (M)
Rabinowitz, J. (M)
Roberts, J. (M)

Roth, S. A. (A)
Rothenstein, E. M. (A)
Rothenstein, E. M. (A)
Rothschild, R. F. (M)
Rothschild, R. F. (M)
Rothschild, R. S. (M)
Rothschild, R. S. (M)
Rubin, J. (M)
Rubin, J. S. (M)
Rubinstein, B. (M)
Ruge, R. A. (S. M)
Runyan, C. R. , J. (S. M)
Ruge, R. A. (S. M)
Runyan, C. R. , J. (S. M)
Safer, R. (S. M)
Safer, R. (S. M)
Safer, R. (S. M)
Sager, N. (A)
Sager, N. (A)
Salud, L. R. (M)
Samuels, M. (A)
Samuels, M. (A)
Samuels, M. (A)
Samoers, R. (M)
Samoers, R. (M)
Samoers, R. (M)
Sarasohn, H. M. (M)
Sarasohn, H. M. (M)
Sarasohn, H. M. (M)
Sawita, R. J. (A)
Schether, G. (A)
Scherter, G. (A)
Scherter, G. (A)
Scherter, G. (A)
Scherter, S. B. (M)
Schilling, D. L. (M)
Schilling, W. A. (M)
Schleinger, S. B. (M)
Schilling, W. A. (M)
Schleinger, S. P. (M)
Schilling, W. A. (M)
Schleinger, S. P. (M)
Schilling, W. A. (M)
Schwartz, M. J. (A)
Schoerfield, R. L. (M)
Schwartz, M. J. (A)
Schwartz, M

Sprung, J. (M)
Stadnitski, R. K. (M)
Stadnitski, R. K. (M)
Stalmark, F. R. V. (A)
Stanfield, F. L. (M)
Stalmark, F. R. V. (A)
Stanfield, F. L. (M)
Starace, N. L. (A)
Steven, F. (M)
Steven, J. W. (M)
Stein, J. W. (M)
Stein, J. W. (M)
Stein, P. (M)
Stein, J. L. (M)
Stem, J. L. (M)
Stewart, A. E. (A)
Stefel, R. C. (A)
Stock, D. J. R. (A)
Stock, D. J. R. (A)
Stock, D. J. R. (A)
Stock, M. J. R. (M)
Stone, R. (A)
Strack, W. Jr. (M)
Strack, R. (A)
Strack, W. Jr. (M)
Strack, R. (A)
Strack, R. (A)
Strack, M. Jr. (M)
Strickland, H. A. , Jr. (S M)
Strickland, H. A. , Jr. (S M)
Strickland, H. A. , Jr. (S M)
Strickland, H. A. (M)
Strickland, H. A. (M)
Strickland, H. (M)
Strickland, H. (M)
Strickland, H. (M)
Strickland, H. (M)
Strickland, J. (M)
Strickland, J. (M)
Strickland, H. (M) Weitz, G. (A)

Wendin, S. (M)
Werner, R. L. (SM)
Werner, R. L. (SM)
Wernick, J. I. (A)
Wernlein, C. E., Jr. (M)
Werth, A. M. (M)
Westheimer, M. (M)
Wester, P. S. (A)
Whalen, B. F. (A)
Whalen, B. F. (A)
White, G. C. (M)
White, G. C. (M)
White, S. D. (SM)
Wiberg, H. J. (M)
Wiberg, H. J. (M)
Wiberg, H. J. (M)
Williams, H. D. (A)
Williams, H. D. (A)
Williams, H. D. (A)
Williams, H. D. (A)
Williams, H. D. (M)
Williams, H. D. (M)
Williams, A. (M)
Williams, A. (M)
Williams, A. (M)
Winner, B. A. (M)
Winner, B. A. (M)
Winner, B. A. (M)
Wong, A. (M)
Wolf, H. (SM)
Wolfers, S. (M)
Wolf, H. (SM)
Wolf, H. (SM)
Wood, M. R. (SM)
Wood, M. R. (SM)
Worden, J. Jr. (M)
Wood, M. R. (SM)
Worden, J. H. (A)
Wood, M. R. (SM)
Worden, J. H. (A)
Young, R. S. (A)
Yamus, L. (A)
Yamus, L. (A)
Yamus, L. (A)
Yueng, R. D. (M)
Yuen, R. (M)
Zalkin, D. M. (M)
Zelder, W. E. (M)
Zalkin, D. M. (M)
Zelder, W. E. (M)
Zelder, W. E. (M)
Zinseer, H. H. (A)
Zipoler, W. N. (M)
Zipoler, M. M. (M)

agara Falls (BN-1)
Albin, J. F. (M)
Bowman, D. S. (M)
Emes, H. R. (M)
Gleason, M. H. (M)
Haney, C. A. (A)
Hardy, L. H. (M)
Hill, J. T. (A)
Howells, W. B., Jr. (M)
Juda, H. J. (M)
Leonard, D. J. (M)
Leonard, D. J. (M)
Leonard, D. J. (M)
Sarkees, Y. T. (M)
Sarkees, Y. T. (M)
Tomel, J. B. (M) Niagara Falls (BN-1)

Niskayuna (SCH-1) Shea, R. F. (F)

North Baldwin (LI-2) th Baldwin (LI-2)
Baron, A. R. (M)
Burnelster, W. W. (M)
Casey, K. T. (M)
Hart, G. K., Jr. (M)
Laughlin, S. I. (M)
Millar, W. M. (M)
Diseewski, W. R. (A)
Revere, R. W. (A)
Kappeimann, G. E. (A)
Schaten, P. (M)
Witt, C. J. (M)

North Bellmore (L1-2) th Bellmore (LI-2)
Beckhardt, T. (M)
Bischoff, J. J. (A)
Brook, R. H. (M)
Carlstrom, R. A. (M)
Dolln, R. (SM)
Doundoulakis, G. J. (M)
Duckstein, S. (A)
Elsenbach, J. (M) Johl, M. J. (SM) Lipkin, W. (M) Mascetti, B. J. (M) Shaw, D. (M) Tenenbaum, E. (M)

North Chatham (NY-MH-2) Ray, G. T. (M)

North Chill (RDC-1) Previte, P. E. (A)

North Massapequa (LI-2)
Algeo, J. J. (A)
Johnson, J. H., Jr. (A)
Kaelin, B. A., Jr. (M)
Kant, M. (M)
Kombiuth, A. E. (SM)
Price, D. (M)
Prunty, P. F. (M)

Quinn, J. A. (M) Sokol, A., Jr. (M) Sonntag, L. (M)

North Merrick (LI-2)
Bissegger, C. A. (M)
Branker, H. E. (M)
Legglo, J. (SM)
Schnelderman, W. (M)
Takach, A. (M)
Thosersen, G. D. (A)

North Pelham (NY-W-2) Wolfson, R. (M)

Northport (LI-2)
Chubb, E. (M)
Davis, F. S. (A)
Dickeman, J. J. (M)
Elsele, J. G., Jr. (M)
Guldo, L. A. (A)
Hurtlington, A. (M)
Litchford, G. B. (SM)
Lockwood, M. D. (M)
Massorg, H. (M)
Mason, R. P. (A)
Norton, S. G. (M)
Othmer, R. E. (SM)
Rudish, R. M. (M)
Stanklewicz, S. (SM)
Stodola, E. K. (SM)
Striegi, H. F. (M)
Woodard, G. F. (A) Woodard, G. F. (A)

North Rockville Centre (Li-2) Melman, I. J. (SM) North Syracuse (SYR-1)

RI Syrause (SYR-J)
Adamthwaite, F. V., Jr. (M)
Andrews, W. J. (SM)
Andrews, W. J. (SM)
Andrews, W. J. (SM)
Ashley, R. B. (A)
Baker, D. W. (A)
Baker, D. W. (A)
Baker, V. L., Jr. (M)
Banee, M. I. (A)
Beacker, D. A. (M)
Beane, M. I. (A)
Becker, D. A. (M)
Besenfelder, E. R. (M)
Blackstock, R. S. (M)
Bochem, H. P. (M)
Bockstlegel, R. B. (M)
Bochem, F. R. (M)
Body, C. R. (M)
Brown, S. R. (M)
Cady, W. R. (SM)
Cary, J. K. (M)
Cary, J. K. (M)
Cary, J. K. (M)
Cary, J. K. (M)
Colley, L. E. (M)
Conen, E. (M)
Dounlingham, J. H. (M)
Curtiss, G. R. (M)
Dall, F. J. Jr. (A)
Davidson, H. A. (M)
De Rose, J. F. (A)
Dickson, W. H. (A)
Donegan, J. H. (M)
Duncan, M. R. (SM)
Dickson, W. H. (A)
Dickson, W. H. (A)
Dickson, W. H. (A)
Dickson, J. H. (M)
Elbeck, A. C. (M)
Elbeck, A. C. (M)
Ellis, C. R. (M)
Flaherty, T. J. (A)
Forney, J. F. (M)
Freestone, H. T. (A)
Forney, J. F. (M)
Freestone, H. T. (A)
Friant, R. J. (M)
Freestone, M. E. (M)
Frienderick, L. G. (M)
Freestone, M. E. (M)
Frienderick, J. R. (M)
Frienderick

McClure, R. C. (M)
McLean, R. C. (M)
McLean, R. C. (M)
Mcehan, J. A. (A)
Mernam, R. H. (A)
Michalek, A. R. (M)
Muschamp, R. A. (SM)
Nelson, W. D. (M)
Dstrowski, R. E. (A)
Palladino, M. J. (SM)
Pell, W. (M)
Phillips, A. B. (M)
Phillips, K. G. (M)
Pickard, L. A. (M)
Scholar, R. H. (M)
Reiyea, R. A. (M)
Scholar, R. H. (M)
Scholar, R. L. (M)
Scholar, R. L. (M)
Scholar, R. L. (M)
Scholar, R. A. (M)
Stoner, R. A. (M)
Tidwell, B. B. (M)
Tilman, J. T. Jr. (A)
Vandeven, D. W. (M)
Vest, C. R. (M)
Voth, N. D. (M) Voth, N. D. (A)
Warren, R. A. (M)
Warselak, E. J. (M)
Webb, R. S. (M)
Wick, R. S. (M)
Wick, R. S. (M)
Wick, R. S. (M)
Wick, R. S. (M)
Winte, R. B. (A)
Zenon, Z. (M)
Zlzza, L. R. (M)

North Tarrytown (NY-W-2) Akin, R. M. (VA) Palmquist, C. A. (M) Vavra, J. M. (A)

North Tonawanda (BN-1) th Tonawanda (BN-1)
Arrison, C. R. Jr. (M)
Arsem, A. D. (SM)
Dunn, J. L. (SM)
Janowsky, R. H. (A)
Johnston, G. D. (M)
Knorr, W. G. Jr. (M)
Mott, R. H. (M)
Pumell, R. F. (M)
Taber, R. F. (A)

North Valley Stream (LI-2) Melnick, H. (M)

North Wantagh (LI-2) Hellering, H. L. (M) Retzger, L. I. (A)

North Woodmere (LI-2) Gross, S. B. (A)

North White Plains (NY-W-2) Foglia, H. R. (M) Koblick, S. N. (A)

Norwich (BING-1) Bates, W. R. (M) Hamilton, D. M. (A) Knudson, L. I. (M)

Nyack (NY-2) CK (NY-2)
Efremov, D. (M)
Koulomzin, N. J. (A)
Miller, H. M. (SM)
Murphy, R. P. (SM)
Perry, A. C. (A)

Dceanside (LI-2) anside (LI-Z)
Diamond, G. H. (M)
Elsenberg, A. J. (S M)
Glelmer, B. (M)
Levensteln, H. (M)
Schrader, W. A. (M)
Suttenberg, S. (M)
Urbanik, J. G. (M)

Dicutt (BN-1) Ketcham, W. R. (A)

DId Bethpage (L1-2) Bethpage (LI-2)
Blmbaum, W. N. (M)
Davidson, R. (SM)
Di Franco, J. V. (M)
Dombro, L. (A)
Herman, J. H. (A)
Kenny, M. (M)
Kushner, D. (M)

DId Westbury (LI-2) Feldmann, H. (SM)

Dlean (BN-1)
Jarboe, R. A. (M)
Jenner, W. C. (M)
Taylor, W. D. (M)
Zakrewski, J. E. (M)

GIII, L. R. (A) Shutts, B. C. (A)

Dswego (SYR-1)

Dneida (RU-1) Simchik, R. J. (A) Dntario Center (RDC-1) Blake , B. F. (A)

Dran (SYR-1)

Johnson, T. T. (SM) Drangeburg (NY-2) Adelsberg, J. (A)

Desining (NY-W-2)
Bertram, J. E. (M)
Boyce, J. (M)
Brown, R. D. (M)
Brown, R. D. (M)
Caputo, J. G. (M)
Caputo, J. G. (M)
Caputo, J. G. (M)
Garifo, N. A. (M)
Garifo, N. A. (M)
Magnino, J. J., Jr. (M)
Nakagawa, N. (A)
Ruedisuell, R. W. (M)
Saron, R. B. (M)
Terlet, R. H. (M)
Trifari, F. R. (SM)
Waxman, R. (M)
Yu, H. N. (M)

Shutts, B. C. (A)

Dwego (BING-1)
Anderson, D. D. (A)
Armstrong, R. A. (A)
Barlow, J. P. (M)
Burcak, T. (M)
Dearden, Z. T. (M)
Deolltle, G. V. (A)
Glroux, P. H. (M)
Halpern, P. H. (M)
Hill, T. W. (M)
Huopana, R. D. (M)
Hyde, P. L. (A)
Jenkins, W. S. (A)
Jenkins, W. S. (A)
Johnson, C. I. (SM)
Johnson, G. W. (A)
Knox, L. A. (M)
Lyons, R. E. (M)
Martin, A. G., Jr. (M)
Rivera, E. R. (M)
Salma, J. F. (M)
Stoops, E. H. (M)
Stoops, E. H. (M)
Summers, W. P. (SM) (M) Stoops, E. H. (M)
Summers, W. P. (SM)
Urban, H. E. (M)
Vance, V. G. (M)
Vanderpool, R. F. (M)
Van Horn, J. F. (M)
Vinal, A. W. (M)
West, A. P. (M)

Oyster Bay (L1-2)
Bruhns, W. H. (A)
Bumstead, J. J. (A)
Dyer, J. N. (F)
George, B. A. (A)
George, H. A. (A)
Messner, W. S. (M)
Mills, J. J. (A)
Pogust, F. B. (M)

Oyster Bay Cove (L1-2) Busby, J. W. (SM)

Dzone Park (LI-2) me Mark (LI-Z)
Bazylevsky, G. (M)
Cava, F. C. Jr. (A)
Fiorletta, A. A. (M)
Hemandez, J. (A)
Kerr, R. G. (A)
Mellard, J. (A)
Nuscher, I. F. (A) Mellard, J. (A)
Nuscher, L. E. (A)
Schuster, D. (A)
Stone, K. A. (M)
Tleman, F. V. (M)
Watson, W. C. (A)
Painted Post (ELM-C-1)
Carpenter, N. R. (M)
Coolidge, J. C. (A)
Eveleth, J. H. (M)
Frazler, J. F. (M)

Palisades (NY-2) Ward, B. R. (M)

Patchogue (LI-2) Malkiewicz, J. F. (M) Wise, A. P. E. (M)

Pattersonville (SCH-1) Dodge, A. D. (SM) Dakes, W. S. (M)

Pawling (NY-MH-2) Kubacky, F. A., Jr. (A)

Pearl River (NY-2) Cohn, D. A. (M) Feinerman, B. (M) George, R. E. (M) Porter, H. A. (A)

NEW YORK - 525 -

Peconic (LI-2) Oates, J. P., Jr. (A)

Peekskiii (NY-W-2) ekskill (NY-W-2)
Arcate, J. A. (M)
Baron, R. G. (M)
Fontaine, A. B. (A)
Foxe, M. (M)
Guarino, R. J. (M)
Helzman, C. L. Jr. (M)
Hyde, A. E. (M)
Juanillo, J. J. (M)
Kusnick, A. A. (SM)
Lee, H. T. (M)
Lettner, M. (A)
Modermid, W. L. (M)
Schreiner, R. J. (M)
Slawsky, S. M. (M)
Todd, S. E. (M)
Walder, B. (M) Walder, B. (M) Winkelstein, R. A. (M)

Petham (NY-W-2)
Aaltonen, T. K. (A)
Crago, R. P. (SM)
Kruse, L. C. (M)
Skinner, F. J. (SM)

Pelham Manor (NY-W-2) Burnell, N. (A) Caltan, J. M. (M) Zadeh, L. A. (F)

nfield (RDC-1)
Atwood, B. E. (SM)
Barker, J. R. (A)
Berch, W. H. (M)
Chipman, J. R. (A)
Cohen, G. H. (M)
Dulin, G. F. (M)
Helt, J. C. (M)
Hosking, M. B. (M)
Hule, J. A. (M)
Humphrey, L. C. (SM)
Pomroy, R. A. (A)
Potter, F. J. (A)
Schwittek, E. W. (M)
Sulman, J. (M)
Tubinis, M. P. (M)
Wyman, B. D. (M) Penfield (RDC-1)

Penn Yan (ROC-1) Emerson, L. E. (A)

Phoenix (SYR-1) Pacia, E. (M)
Pavetto, J. C. (M)
Smith, D. L. (SM) Stabler, E. P. (A)

Pine Bush (NY-MH-2) Mattern , P. E. (M)

Pine City (ELM-C-1) Andrews , R. W. (M) Long , E. D. (M)

Pine Island (NY-MH-2) Plossi, T. F. (A)

ssford (RDC-1)
Ashbaugh, R. R. (M)
Bond, H. A. (SM)
Brune, W. L. (SM)
Brune, W. L. (SM)
Bushy, L. A. (M)
Carlson, D. V. (M)
Franco, G. A. (M)
Jorgensen, O. A. (M)
Nelson, J. A. (M)
Stephenson, E. D. (M)
Straehl, R. N. (M)
Taylor, R. B. (SM)
Walker, W. F. (M)
Whiltall, M. D., Jr. (A) Pittsford (RDC-1)

inview (LI-2)
Abramson J. (M)
Alper, R. (M)
Altschul, E. R. (M)
Ammirati, S. (M)
Bama, G., Jr. (M)
Bedolan, B. (A)
Berens, J. (SM)
Beres, P. J. (M)
Beron, J. F. (M)
Bloom, G. M. (M)
Bressier, S. (M)
Case, S. W. (A)
Cather C. (M) Plainview (LI-2) Case, S. W. (A)
Chatterton, E. L. (SM)
Childs, C. W. (M)
Clilluffo, J. S. (A)
Cohen, B. C. (A)
Cohen, J. B. (A)
Coleman, C. H. (A)
Courounis, S. P. (M)
Cratb, J. F. (SM)
Cretella, S. A. (M)
Davis, H. M. (SM)
Davis, H. M. (SM)
Dickman, A. (SM) Davis, H. M. (SM)
Dlckman, A. (SM)
Dlnbart, M. (M)
Dorman, D. (M)
Elson, A. C. (A)
Fine, A. M. (M)
Fox, E. I. (M)
Friscii, J. J. (M)
Fucci, S. (SM)
Gertzis, S. (M)

Gewirtz, A. (MD Gold, I. (MD) Gorelick, G. (M) Greenwald, M. S. (M) Gronlund, A. G. (A) Gross, J. (M) Hall, S. F. (MD) Hastings, P. (ML) Halpem, M. (M)
Hastings, R. (M)
Hebel, E. Jr. (A)
Heichlinger, C. L. (A)
Heiss, W. H. (SM)
Heller, Z. H. (M)
Ilelms, M. E. (M)
Intraub, J. (A)
Jacobson, R. J. (SM) Intraub, J. (A)
Jacobson, R. I. (SM)
Kahl, D. S. (SM)
Kahl, D. S. (SM)
Kanner, M. (M)
Kimball, L. R. (M)
Kimball, M. A. (A)
Lanning, W. C. (SM)
Landius, H. J. (A)
Leashy, R. E. (M)
Leichtman, J. A. (A)
Lesser, D. (M)
Leichtman, J. A. (A)
Lesser, D. (M)
Marcus, M. A. (M)
Moguire, J. P. (M)
Molinis, T. F. (M)
Merl, K. C. (M)
Moreman, N. A. (M)
Nesenoff, N. (A)
Okeil, S. (A)
Okeil, S. (A)
Plonataro, F. P. (M)
Plzzicara, D. J. (A)
Potter, J. T. (A)
Porew, H. E. (M)
Radzka, B. (SM)
Richmond, C. H. (M)
Ross, C. J. (M)
Ross, C. J. (M)
Ross, C. J. (M)
Schwint, K. F. (A)
Shaw, D. (A)
Simkins, R. S. (M)
Sicum, G. V. (M)
Staller, J. J. (SM)
Staller, J. J. (SM)
Staller, J. J. (M)
Tamposch, A. F. (M)
Taub, J. J. (M)
Tramposch, A. F. (M)
Taub, J. J. (M)
Tramposch, A. F. (M)
Taub, J. J. (M)
Tramposch, A. F. (M)
Tumer, E. (M)
Vasilos, M. G. (M)
Weilner, W. (M)
Weiner, W. (M)
Weiner, W. (M)
Weiner, W. (M)
Ziremba, C. J. (M)

Plandome (LI-2)
Blackwell, O. B. (F)
DI Blasi, J. (SM)
Dunning, O. M. (F)
Eaton, J. E. (M)
Spellman, F. C. (M)

Pleasant Valley (NY-MR-2) Kingston, W. J. (A) Layden, E. C. (M) Spence, T. M. (M) Swallow, D. S. (M) Taylor, O. P. (SM)

easantville (NY-W-2)
Armstrong, F. L. (M)
Berger, F. B. (SM)
Devery, F. B. (SM)
Dieter, N. H. Jr. (MY)
Elsele, W. A. (A)
Finkler, R. A. (M)
Finger, J. T. (SM)
Forrest, J. C. (M)
Fraser, J. T. (SM)
Freud, E. L. (M)
Fumer, N. C. (M)
Gumentsfelder, G. R. (SM)
Gay, T. W. Jr. (M)
Gove, A. C. (SM)
Honnia, W. H. (M)
Honig, A. R. (M)
Keenan, M. J. (A)
King, G. W. (M)
Keckner, C. C. (M)
Kobl, O. J. (M)
Kowalsky, J. (M)
Kowalsky, J. (M)
Kowalsky, J. (M)
Kowalsky, J. (M)
Lep, R. W. (SM)
Lehman, W. (M)
Lehr, S. (A)
Lepnis, A. (A)
Lepnis, A. (A) Pleasantville (NY-W-2) Lehr, S. (A)
Lepnis, A. (A)
Lohman, A. F. (M)
McGuire, F. C. (A)
McKendry, J. K. (M)
Michalec, G. W. (M)
Miller, A. G. (A)

Odell, T. W. (M)
Paine, G. R. (M)
Pourciau, L. L. TM)
Reed, H. J. Jr. (SM)
Rifkin, M. (M)
Rolfs, J. C. (M)
Sakson, P. J. (M)
Sakson, P. J. (M)
Sakson, P. J. (M)
Schick, F. T. (A)
Sherman, S. (M)
Sloles, G. W. (M)
Tull, W. J. (SM)
Ward, J. C. (M)
Ziolkowski, A. (SM)
Zola, M. J. (A)

Poland (RU-1) Williams, E. E. (A)

Port Byron (SYR-1) Breese , H. R. (M) Webb , T. E. (M)

Port Chester (NY-W-2) t Chester (NY-W-2)
Anderson, A. E. (A)
Barker, D. R. (M)
Botwin, L. (SM)
Flannell, C. F. (M)
Goldberg, H. D. (A)
Houck, G. B. Jr. (M)
Jackman, W. L. (M)
Kalt, C. G. (M)
Luedtke, P. R. (A)
Rabinowitz, M. (M)
Toman, J. J. (A)
Watson, E. F. (SM)
Woloschak, K. (SM)

Port Ewen (NY-MH-2) Sweet , A . J . Jr . (M)

Port Jefferson (L1-2) Fields , W. H. (A) Giordano , S. (A) Kolarcik , J. J. (M) Munzer , L. F. (M)

Port Jervis (NY-MH-2) MacCallum, W. F. (A) Weill, R. L. (A)

MacCallum, W. F. (A)

Weill, R. L. (A)

Port Washington (L1-2)

Aitken, R. K. (M)
Asmundsson, E. (A)

Baston, W. M. (M)
Bergel, T. C. (M)

Bicknese, F. H. (M)
Burvoughs, H. A. (SM)
Cahalan, I. W. (M)
Carduner, W. (VA)
Cralg, D. R. Jr. (M)
Davidson, W. F. (SM)
Doersam, C. H., Jr. (SM)
Fieldland, I. (M)
Gabor, A. (A)
Giba, J. J. (SM)
Herzog, A. (W. (M)
Hickey, J. H. (SM)
Jacquette, J. H. (M)
King, R. W. Jr. (M)
King, R. W. Jr. (M)
Larson, J. E. (A)
Lazich, B. (SM)
Leffingwell, W. B. (A)
Lefonard, E. V. (M)
Little, D. S. (SM)
Lubkin, Y. J. (M)
Mahoney Lerningweit, W. S. W.
Leonard, E. V. (M)
Link, W. J. (M)
Link, W. J. (M)
Little, D. S. (SM)
Lubkin, Y. J. (M)
Mahoney, J. J. (A)
Marshall, J. H. (M)
Massengale, D. W. (M)
Murdoch, A. Jr. (SM)
Maybor, E. V. (M)
Nelson, E. L. Jr. (M)
Nixon, W. E. (A)
O'Connor, J. F. (M)
Okrent, J. J. (SM)
Pacent, H. C. (M)
Page, F. E. Jr. (SM)
Paseu, D. M. (SM)
Paseua, L. (A)
Roblerson, E. L. (A)
Roblerson, E. L. (A)
Roberson, E. L. (A)
Spencer, N. A. (SM)
Staten, R. J. (M)
Staten, R. J. (M)
Staten, R. J. (M)
Strawbridge, R. B. (M)
Striffler, F. L. (M)
Trautman, D. L. (SM)
Watkeys, D. E. (M)
Wotton, S. (SM)
Watkeys, D. E. (M)
Williams, G. W. Jr. (M)
Williams, G. W. Jr. (M)
Sdam (SYR-1)

Potsdam (SYR-1) Martin, A. R. (A) Reed, G. W. (A) Sanford, R. S. (A) Strong, W. J. (M)

Poughkeepsie (NY-MH-2) Acton , F. G. (M)

Adem, R. (M)
Anderson, R. L. (M)
Anderson, R. L. (M)
Anderson, R. L. (M)
Backman, F. F. (M)
Balrd, J. (SM)
Barder, R. W. (M)
Barder, R. E. (A)
Barder, P. H. Jr. (M)
Barder, A. E. (A)
Basher, C. J. (M)
Barder, J. E. (A)
Basher, C. J. (M)
Barder, P. H. (M)
Beater, J. F. (A)
Basher, C. J. (M)
Beater, J. F. (M)
Beater, J. P. (M)
Beater, M. (M)
Beater, M. J. P. (M)
Beesley, J. P. (M)
Beroer, A. W. (M)
Beverly, N. E. (M)
Blosh, C. C. (M)
Blook, R. T. (M)
Blosh, C. C. (M)
Bloch, E. (M)
Bloch, E. (M)
Branin, F. H. Jr. (SM)
Brander, C. (M)
Brander, C. (M)
Brosk, R. T. (M)
Bloch, E. (M)
Bronevac, S. (M)
Brander, C. (M)
Bronevac, C. (M)
Bronevac, T. (M)
Brosk, F. P. Jr. (M)
Brosk, F. P. Jr. (M)
Brosk, J. P. (A)
Brosk, F. P. Jr. (M)
Brosk, J. P. (A)
Brosk, F. P. Jr. (M)
Broke, J. D. (M)
Carson, B. L. (M)
Carson, F. A. (M)
Carson, F. A. (M)
Carrothers, C. H. (M)
Carson, F. A. (M)
Carrothers, C. H. (M)
Cooper, D. K. (A)
Coupy, E. D. (M)
Constantine, G. Jr. (M)
Constanti Dumdatscheck, P. P. (A)
Dumwell, S. W. (M)
Eggenberger, J. S. (M)
Elbsen, R. L. (M)
Elbsen, R. L. (M)
Elnolf, C. W. (M)
Evin, N. 1. (M)
Evin, N. 1. (M)
Flaherty, R. J. (M)
Flaherty, R. J. (M)
Fleisher, H. (M)
Fletcher, R. P. (A)
Floros, T. G. (M)
Folsom, R. M. (M)
Forsberg, H. A. (A)
Fox, A. (M)
Fox, P. E. (SM)
Frese, S. J., Jr. (A)
Fritz, E. L. (A)
Fuguel, E. F. (SM)
Gaffney, J. E. Jr. (M)
Garler, J. E. Jr. (M)
Garler, A. (M)
Goldman, P. M. (M)
Golder, R. K. (M)
Golder, R. K. (M)
Golder, R. K. (M)
Greene, N. E. (M)
Greene, N. F. (M)
Greene, N. F. (M)
Greene, N. E. (M)
Greene, N. E. (M)
Greene, N. E. (M)
Greene, N. E. (M)
Hallock, D. G. (M)
Harlman, E. F. (M)
Harlman, E. F. (M)
Harlman, F. B. (M) Hawkins, G. V. (M)
Hawkins, M. K. (M)
Haynes, M. K. (M)
Heath, H. F., Jr. (M)
Heermans, J. W. (M)
Hellerman, L. (M)

Hennis, R. B. (A)
Hill, R. A. (M)
Hill, R. A. (M)
Hilliard, H. C., Jr. (M)
Hotuman, L. S. (M)
Holtman, L. S. (A)
Holtman, G. R. (M)
Homrid, J. C. (M)
Homick, J. C. (M)
Hotchkiss, G. L. (M)
Hotchkiss, G. L. (M)
Hotchkiss, G. L. (M)
Houldin, R. J. (A)
Hung, J. W. (M)
Hunter, L. P. (SM)
Jackamonis, G. (A)
Jackamonis, G. (A)
Jackson, P. W. (M)
Jackson, P. W. (M)
Jones, R. P. (M)
Jones, R. P. (M)
Jones, R. P. (M)
Jones, R. P. (M)
Moran, P. (M)
Karan, C. (SM)
Karan, C. (SM)
Karan, C. (SM)
Kennedy, G. F. (M)
Kennedy, G. F. (M)
Kennedy, G. F. (M)
Kilgrase, D. L. (A)
King, L. E. (M)
Kennedy, G. F. (M)
Kilgrase, D. L. (A)
King, R. M. (M)
Kennedy, A. G., Jr. (M)
Kennedy, G. F. (M)
Kilgrase, D. L. (A)
King, R. M. (M)
Kennedy, G. F. (M)
Kilgrase, D. L. (A)
King, R. M. (M)
Kennedy, G. C. (M)
Ken Low, P. R. (M)
Lyon, J. R. (M)
Mackay, J. B. (A)
Mack Sorley, O. L. (SM)
Marcy, H. T. (M)
Marshall, J. G., Jr. (M)
Marshall, J. G., Jr. (M)
Martin, R. R. (SM)
Masters, G. E. (M)
Matthews, E. G. (A)
McMillan, E. C. (A)
McMillan, E. C. (A)
McMillan, E. C. (A)
Merrill, R. L. (A)
Mervill, R. L. (A)
Mervill, R. L. (A)
Mervill, R. L. (A)
Millen, E. W. (M)
Millan, S. V. (M)
Millan, S. V. (M)
Millan, S. V. (M)
Millan, J. J. (M)
Moroe, J. W. (M)
Moroe, G. R. (A)
Moroe, G. R. (A)
Murphy, J. J. (M)
Murphy, J. J. (M)
Murshell, H. A. (A)
Mutter, W. E. (SM)
Myers, A. S., Jr. (M)
Necol, J. C. (M)
Nelson, V. A. (A)
Newman, C. A. (Jr. (M)
Northan, J. J. (M)
Northan, J. J. (M)
O'Tarrell, J. J. (M)
O'Terrell, J. J. (M)
O'Nell, G. R. (M)
O'Tellin, G. R. (M)
O'Tellin, F. A. Jr. (M)
O'Tellin, F. A. Jr. (M)
O'Tellin, F. A. Jr. (M)
O'Telmann, F. A. Jr. (A) UIVA, F. J. (M)
O'NeIII, G. R. (M)
Ordemann, F. A., Jr.
Ostapkovich, P. L. (M)
Ostrowski, E. A. (M)
Padegs, A. (M)
Padegs, A. (M)
Pearson, K. A. (A)
Pearson, K. A. (A)
Peili, E. F. (M)
Penoyer, R. F. (M)
Perlini, R. (A)
Pfirman, W. S. (A)
Pfirman, W. S. (A)
Pfilips, F. G., Jr. (N)
Piltowsky, S. (M)
Plitowsky, S. (M)
Plitowsky, S. (M)
Post, F. L. (M)
Post, F. L. (M)
Post, F. L. (M)
Preiss, R. J. (A)
Quick, A. E., Jr. (M)
Rainville, R. A. (A)
Reiner, W. D. (M)
Robins, R. D. (M)
Robinson, J. D. (A)
Robins, R. D. (M)
Ross, H. D., Jr. (M)
Ross, H. D., Jr. (M) (M) Russell, L. A. (A) Rutz, R. F. (M) Rymaszewski, E. J. (SM) Sampere, R. D. (A)

Samuel, A. L. (F)
Santlno, L. (A)
Schala, W. C. (A)
Schlavone, R. N. (M)
Schoedel, R. A. (M)
Shirk, R. R. (M)
Simek, R. L. (A)
Sindelar, F. J. (M)
Sindelar, R. J. (M)
Sindelar, R. M. (M)
Sindelar, R. M. (M)
Sindelar, R. M. (M)
Stevenson, M. J. (M)
Stevenson, M. J. (M)
Stevenson, M. J. (M)
Stevenson, M. J. (M)
Taren, W. J. (M)
Taren, W. J. (M)
Taren, W. J. (M)
Trachy, R. A. (M)
Trachy, R. A. (M)
Trachy, R. A. (M)
Wandewinckel, A. W. (M)
Vandewinckel, A. W. (M)
Vandinkle, H. E., Jr. (M)
Walbello, A. A. (A)
Verven, S. J. (M)
Wilser, W. C. (M)
World, H. R. G. (M)
World, R. G. (M)

Queens (L1-2) Eisenhuth, A.J. (M) Yourke, H. S. (A)

Poundridge (NY-W-2) Tingley, G. R. (A)

Putnam Valley (NY-2) Lupano, E. L. (A)

ueens Village (LI-2)
Abrahams, S. (M)
Alcott, F. H. (A)
Bracken, T. C. (A)
Bracken, W. B. (A)
Bracken, W. B. (A)
Bracken, W. B. (A)
Cegelski, R. M. (A)
Fredricks, R. J. (M)
Gerych, W. E. (M)
Goldstone, L. O. (SM)
Goldstone, L. O. (SM)
Gould, N. (M)
Griemsmann, J. W. E. (F)
Hagen, A. A. (M)
Hansen, E. L. (SM)
Hill, E. B. (A)
Hoffer, L. H. (A)
Johnson, C. W. (M)
Kleinoder, J. (A)
Klumpen, R. O. (A)
Lapping, A. M. (M)
Labyling, A. M. (M)
Labyling, A. M. (M)
Mayer, H. A. (M)
Mayer, H. A. (M)
Morcabe, R. A. (A)
O'Connor, J. L. (M)
Peters, W. G. (A)
Runte, O. J. (A) Queens Village (L1-2)

Runte, O. J. (A) Schmidt, H. P. (A) Scifo, P. A. (A)

Selvaggio, N. J. (M) Tennis, J. E. (M) Trelewicz, E. R. (M) Tripp, J. R. (M) Wassermann, C. J. (M) Yeager, J. R. (M) Zimmerman, L. (A)

Red Hook (NY-MH-2) Hook (NY-MH-2)
Gerbitz, C. G. (A)
Heineck, A. W. (M)
Holmes, F. L., Jr. (M)
Lalumandler, A. J. (M)
Lawrence, W. A. (A)
Moran, W. R., Jr. (M)
Neason, S. J. (A)
Rhodes, R. (M)
Sevigny, G. D. (M)
Vincent, R. M. (A)

Vincent, R. M. (A)

Rego Park (LI-Z)

Bogner, B. F. (M)

Finn, P. L. (M)

Flelg, W. J. (M)

Green, P. S. (M)

Hermann, W. J. (SM)

Krygler, G. F. (SM)

Marantz, D. R. (A)

Martin, P. E. (M)

Metzner, J. J. (A)

Ottenberg, E. C. (M)

Ottenberg, E. S. (M)

Rabinovici, B. (SM)

Smith, W. J. (M)

Welssman, S. (A)

Wirfel, W. M. (M)

Wong, N. F. (M)

Rensselaer (SCH-1) Stuarts, A., Jr. (M)

Rexford (SCH-1)
Coblne, J. D. (F)
De Witt, J. S. (M)
Stutt, C. A. (M)

Sturt, C. A. (M)

Rhinebeck (NY-MH-2)
Beeby, P. A. (M)
Burawski, J. A. (M)
Cox, T. C. (M)
Cypser, R. J. (M)
Ellersick, F. W. (M)
Foster, B. D. (M)
Hart, D. M. (A)
Howe, C. K. (A)
Lynch, C. F. (SM)
Mazziotti, F. (M)
Palmer, E. F. (A)
Vislocky, J. (M)
Vize, J. F. (M)

Richfield Springs (SCH-1) Kitts, D. E. (A)

Richmond Hill (L1-2) Amell, E.B.(A) Clark, A., Jr. (A) D'Angelo, F.(A) D'Angelo, F. (A)
Della Salle, L. R. (M)
Egan, W. G. (M)
Fees, H. W. (A)
Guthrle, T. F. (A)
Iorio, J. (M)
Johannesen, W. (A)
Mazel, A. L. (SM)
Millukas, V. (A)
Roche, M. J. (A)
Roche, M. J. (A)
Scaturro, M. R. (A)
Scaturro, M. R. (A)
Schenkeman, S. (A)
Seinlick, L. L. (A)
Simmons, C. H. (A)
Vambutas, E. (M)
Winer, J. D. (M) Winer, J. D. (M) Yellen, A. F. (A) Zanichkowsky, M. (M)

Ridgewood (Li-2) Condy , J . (A) La Presti , P . (A)

Riverdale (NY-2) erdale (NY-2)
Baker, J. R. (M)
Bernstein, E. (M)
Froehlich, C. (SM)
Harder, D. (M)
Heller, J. L. (M)
Karlan, J. H. (A)
Kellner, R. (M)
Martinson, O. M. (A)
Rosenthal, S. W. (SM)
Stahl, C. (M)

Riverhead (LI-Z)
Atwood, J. B. (SM)
Braaten, A. M. (SM)
Brandinger, J. J. (M)
Goddard, D. R. (SM)
Goldman, S. (M)
Herbig, A. J. (A)
King, E. E. (A)
Leis, W. S. (M)
Moore, H. A. (M)
Olsen, W. E. (A)
Peterson, H. O. (F)
Schock, R. E. (SM)

Schoenborn, F. J. W. (M)
Shipley, D. G. (A)
Taylor, H. A. (SM)
Wagner, R. J., Jr. (M)
Wickizer, G. S. (SM)
Zimmerman, R. (A)

Rochester (ROC-1) Ablon, L. J. (M)
Agalides, E. (M)
Agalides, E. (M)
Agalides, E. (M)
Agel, C. W. (A)
Alphenaar, A. W. (M)
Anderson, R. T. (M)
Balceck, T. R. (M)
Balceck, T. R. (M)
Balceck, T. R. (M)
Baldevin, L. D. (A)
Balling, A. W. (VA)
Balling, A. W. (VA)
Bangs, R. G. (A)
Barn, E. M. (M)
Barr, E. M. (M)
Barr, E. M. (M)
Barr, E. M. (M)
Bendel, S. J. (SM)
Bendel, S. J. (SM)
Bendel, S. J. (SM)
Bendel, C. F. (M)
Biggar, R. A. (SM)
Billin, A. G. (SM)
Billin, A. G. (SM)
Billin, A. G. (SM)
Bowen, B. D. (A)
Bochly, M. A. (A)
Bock, R. F. (A)
Boyoucos, J. V. (M)
Bowen, B. D. (A)
Boyoucos, J. V. (M)
Bowen, B. D. (A)
Brangin, R. D. (A)
Brangin, R. D. (A)
Brangin, R. D. (A)
Brown, C. R. (M)
Brown, C. R. (M)
Brown, C. R. (M)
Brown, C. R. (M)
Brown, G. A. (M) Chesna, J. (A)
Clark, D. B. (M)
Clark, G. J. (A)
Clement, M. A. (M)
Close, S. W. (M)
Close, S. W. (M)
Cosola, W. F., Jr. (M)
Corter, W. F. (SM)
Curty, R. C. (M)
Curtie, W. R. (M)
Dailor, F. E. (M)
Dailor, F. E. (M)
Dalor, R. (M)
Dalor, R. (M)
Donovan, C. (A)
Douglas, J. L. (M)
Donovan, C. (A)
Douglas, J. L. (M)
Douboun, H. R. (M)
Dublin, D. (M)
Dublin, D. (M)
Dublin, D. (M)
Dublin, D. (M)
Dushin, R. A. (M)
Ellis, J. R. (M)
England, W. B. (SM)
Engler, C. D. (M)
Engler, C. D. (M)
Freeheling, J. C. (A)
Ertman, R. J. (M)
Frederici, J. T. (M)
Fink, E. J. (M)
Frederici, J. T. (M)
Fink, E. J. (M)
Freshefer, J. E. (M)
Frink, E. J. (M)
Frielinghaus, K. H. (A)
Garland, J. E. (M)
Garamer, R. A. , Jr. (M)
Grammer, R. A. , Jr. (M)
Gray, M. B. (M)

Gruner, H. W. (M)
Guenther, J. H. (SM)
Gutzmer R. F. (A)
Hahnel, A. (SM)
Harles, W. D. (SM)
Hardi, F. R. (M)
Harniar, R. K. (M)
Harris, L. R. (A)
Harris, J. J. (M)
Harris, J. J. (M)
Hars, J. W. (M)
Haupt, G. H. (SM)
Haupt, G. H. (SM)
Haupt, G. W. J. (SM)
Hedly, D. W., Jr. (SM)
Hecht, N. E. (M)
Herman, R. F. (SM)
Heise, E. R. (M)
Heise, E. R. (M)
Higgs, H. P. (A)
Higgs, H. P. (A)
Holer, R. H. (M)
Holmes, L. C. (F) Noetr, N. I. Holmes, L. C. (F)
Holstrom, A. (SM)
Holmes, R. A. (A)
Hulse, R. W. (M)
Hurtinstom, M. B. (VA)
Irish, R. N. (A)
James, C. L. (M)
Johnstone, N. J. (M)
Kamp, F. S. (M)
Karar, C. C. (M)
Karar, F. S. (M)
Karar, F. S. (M)
Karar, F. S. (M)
Karar, F. S. (M)
Karar, F. J. (M)
Kelly, R. J. (M)
Kelly, R. J. (M)
Kelly, R. J. (M)
Kelly, R. J. (M)
Kendall, H. C. (SM)
Kendall, J. (M)
Lake, R. F. (M)
Lake, R. F. (M)
Lake, R. F. (M)
Lopez, G. J. (A)
Luhowy, G. J. (M)
Luhowy, G. J. (M)
Malorino, G. S. (A)
Malmsten, L. J. (M)
Masel, L. G. (M)
Morison, R. H. (F)
Mateyk, W. (M)
Mazel, L. G. (M)
Morison, R. F. (M)
Morsen, J. E. (M)
Morrison, R. F. (M)
Morsen, D. A. (M)
Morsen, L. G. (M)
Norison, R. F. (M)
Nelson, R. L. (M)
Nelson, R. L. (M)
Nelson, R. L. (M)
Newltt, J. W. (A)
Nugent, J. A. (M)
Orlowski, J. S. (M)
Orlowski, J Partis, D. C. (A)
Patton, D. W. (A)
Patton, D. W. (A)
Paul, A. N. (M)
Payne, W. T., Jr. (A)
Pelham, K. F. (SM)
Phipps, A. R. (M)
Plohal, H. T. (SM)
Pitilk, H. (M)
Platnick, D. (M)
Polarisky, A. L. (M)
Porter, G. C. (A)
Powers, R. L. (M)
Porter, G. C. (A)
Powers, R. L. (M)
Prastil, A. (M)
Prastil, A. (M)
Ramoad, A. S. (A)
Randall, J. M. (M)
Ramos, A. S. (A)
Randall, J. M. (M)
Ramos, A. S. (A)
Richards, J. B. (A)
Richards, J. B. (A)
Richards, J. B. (A)
Richards, W. H., Jr. (A)
Rodetre, W. (M)
Robbins, R. E. , Jr. (A)
Rodetre, B. (M)
Roders, J. A. (SM)
Rogers, R. J. (M)

Roman, R. J. (SM)
Ronbeck, J. E. (M)
Ronbeck, J. E. (M)
Rons, R. J. (M)
Ross, L. A. (A)
Rubeaa, R. (A)
Saeli, J. J. (M)
Samuelson, J. R. (A)
Sass, L. J. (M)
Schwart, R. (M)
Schiff, S. (M)
Schiff, S. (M)
Schiff, S. (M)
Schiff, A. G. (M)
Schiff, A. G. (M)
Schwartz, L. S. (M)
Schwartz, L. S. (M)
Schwartz, L. S. (M)
Schwartz, A. H. (M)
Schwartz, A. H. (M)
Schwartz, F. A. (M)
Schwartz, F. A. (M)
Shamon, R. E. (SM)
Shamon, R. E. (SM)
Shamon, R. E. (SM)
Sheehan, J. F. (M)
Shewart, F. G. (M)
Staples, W. D. (SM)
Stevenson, H. (M)
Stevenson, H. (M)
Stevenson, H. (M)
Stone, D. J., Jr. (M)
Tostrup, H. (SM)
Trott, M. (M)
Van Sandwyk, J. (Rock Stream (ROC-1) Shepard, W. H. (M) Rockville Centre (LI-2)

kville Centre (LI-2)
Bensen, H. (M)
De Weese, H. W. (SM)
Duke, V. J. (SM)
Dike, V. J. (SM)
Fay, F. A. (A)
Glinsherg, M. P. (SM)
Hamett, L. T. (M)
Hawkes, T. A. (A)
Hinners, F. A. (F)
Hookins, J. J. (SM)
Lee, R. L. (M)
Lee, R. L. (M)
Mason, J. D. (M)
McCartney, E. (A)
Mechan, J. D. (M)
McCartney, E. (A)
Mechan, J. D. (M)
Potter, N. (A)
Quatraro, W. (M)
Rich, E. M. (M)
Schwartz, H. F. (M)
Shakun, M. F. (M)
Sinshelmer, W. J. (A)
Stotz, C. C. (M)
Tuck, C. A., Jr. (A)
Uzmamn, J. G. (SM)
Wolff, F. (SM)
Wolff, F. (SM)

Rocky Point (LI-2)
Beverage, H. H. (F)
Callahan, J. L. (F)
Carter, P. S. (F)
Kahn, A. (SM)
Martin, C. A. (SM)
Neuburger, A. (M)
Paramithas, C. P. (M)
Peterson, L. E. (M)
Sanford, V. M. (M)

Rome (RU-1) Akerman, S. (A) Allen, R. F. (M)
Anderson, S. E. (M)
Bartley, L. S. (M)
Bartley, L. S. (M)
Bartley, L. S. (M)
Beartley, L. S. (M)
Beens, R. H. (M)
Bergeron, L. A. (M)
Brondey, J. E. (M)
Bromley, J. E. (M)
Bromes, R. M. (M)
Browns, D. E. (M)
Browns, W. R. (M)
Byrne, R. D. (M)
Carlson, H. A. (SM)
Carlson, H. A. (SM)
Carlson, H. A. (SM)
Carlson, H. A. (SM)
Cook, B. S. (M)
Copola, A. (M)
Cralglow, L. H. (M)
Cralglow, L. H. (M)
Cralglow, L. H. (M)
Cralglow, L. H. (M)
Cralglow, L. M. (M)
Davior, M. P. (M)
Davior, M. P. (M)
Davior, M. P. (M)
Davior, M. P. (M)
Davior, M. (A)
Diamond, F. I. (M)
Davior, M. (A)
Diamond, F. I. (M)
Eldman, F. E. , Jr. (M)
Eldman, F. E. , Jr. (M)
Elthes, J. (SM)
Felt, D. L. (M)
Felt, D. L. (M)
French, E. O. (M)
Friedman, H. (SM)
Frote, M. P. (M)
Gabelman, J. J. (SM)
Glill, W. J. (M)
Graettinger, W. F. (A)
Graham, R. C. (M)
Graffiths, J. D. (A)
Grassel, R. L. (M)
Gractinger, R. R. (M)
Hardis, H. N. Jr. (M)
Holberger, R. R. (M)
Holberger, J. S. (M)
Long, G. A. (A)
Lore, J. S. (M)
Pender, J. S. (M)
Pender, J. S. (M)
Pender, J. S. (M)
Pender, J. J. (M)
Reconstruction, C. L. (M)
Marson, R. J. (M)
Noso, J. F. (M)
Morelli, M. (M)
Noso, J. F. (M)
Noso, J. F. (M)
Norelli, R. M. (M)
Noso, J. F. (M)
Norelli, R. M. (M)
Norell

Rudensey, M. B. (M)
Sacra, G. H. (M)
St. John, C. G. (M)
St. John, C. G. (M)
Schlegelmilch, R. O. (SM)
Schlegelmilch, R. O. (SM)
Schlegelmilch, R. O. (SM)
Schlegelmilch, R. O. (SM)
Schwartz, S. S. (A)
Scott, E. C. (M)
Selover, E. E. (M)
Sharki, P. (M)
Sharki, P. (M)
Sharki, P. (M)
Sharki, P. (M)
Storry, E. N. (SM)
Storry, R. T. (SM)
Torry, R. T. (SM)
Torry, R. T. (SM)
Tallman, O. G. (SM)
Tenney, R. F. (M)
Tallman, O. G. (SM)
Tenney, R. F. (M)
Thompson, J. M. (SM)
Thompson, J. M. (SM)
Thompson, J. (SM)
Thompson, J. (SM)
Thompson, J. (SM)
Thompson, J. M. (A)
Vaccaro, J. (A)
Vaccaro, J. (A)
Webb, H. E., Jr. (M)
Webb, H. E., Jr. (M)
Werle, B. O. (M)
Wilklans, T. G. (M)
Winkler, E. H. (SM)
Worthington, D. T. (M)
Worthington, J. T. (M)
Worthington, J. T. (M)
Wright, R. O. (M)

Ronkonkoma (LI-2) De Muria, V.J.(M) Gold, T.(M)

Roosevit (LI-2)
Adachi, W. Y. (VA)
Brown, E. M. (SM)
Chartofi, P. (M)
Darch, N. S. (M)
Fragola, C. F. (SM)
Komuves, R. E. (M)
Kushner, J. (M)
Ladue, J. A. (M)
Popkin-Clurman, J. R. (SM)
Randazzo, J. J. (A)

Rosedate (LI-Z)
Bailey, J. W. (M)
Cavallari, J. D., Jr. (M)
Damm, G. W. (A)
Stio, W. V. (A)
Sweeney, J. N. (M)
Weiner, F. (A)
Zang, G. R. (A)

weiner, F. (A)
Zang, G. R. (A)
Roslyn (Li-2)
Doerschuck, J. (M)
Easton, A. (SM)
Hicks, W. M. (A)
Kahrilas, P. J. (SM)
Kamen, I. (SM)
Lessler, A. L. (A)
Margulles, F. (M)
Match, M. J. (M)
Platzman, P. M. (M)
Sontag, H. M. (M)
Susskind, S. E. M. (A)
Wild, J. J. (M)
lyn Estates (Li-**

Roslyn Estates (LI-2) Skeist , S . M . (M)

Roslyn Harbor (L1-2) Aaron, B. D. (SM) Minc, A. (M)

Aaron, B. D. (SM)
Minc, A. (M)

Roslyn Heights (L1-2)
Anstett, F. D. (SM)
Applebaum, S. J. (M)
Aplebaum, S. J. (M)
Barney, K. H. (SM)
Booty, A. (M)
Booty, J. H. (SM)
Booty, J. H. (SM)
Booty, A. (SM)
Brack, W. (M)
Brower, J. D. (M)
Corwin, A. (SM)
Delemans, G. L., Jr. (M)
Deletsch, S. (M)
Outfy, J. P., Jr. (M)
Dumey, A. 1. (A)
Feldmann, F. (SM)
Feldman, F. (SM)
Gaines, B. (SM)
Gonzalez, V. M. (M)
Gray, J. E. (A)
Hauer, W. B. (M)
Hochman, R. J. (M)
Johnston, W. A., Jr. (SM)
Johnston, W. A., Jr. (SM)
Kohn, S. A. (M)
Loesing, J. B., Jr. (A)
Marshall, R. H. (M)
McLinden, J. E., Jr. (SM)
Moris, J. J. (M)
Pride, D. W. (M)
Reb, H. H. (M)
Reb, H. H. (M)

Skipper, L. C. (SM) Skipper, L. C. (SM)
Spellberger, S. C. (SM)
Star, J. (SM)
Weinmann, R. H. (M)
Willenbecher, J. F. (SM)
Winshlo, L. T. (A)
Yelsey, B. (M)
Zetkov, G. A. (M)

Roxbury (BING-1) Fryling, J. L. (M)

Rush (ROC-1) Kohl, W. B. (A)

Rye (NY-W-2)
Bolton, W. D. (M)
Brilmayer, E. W. (M)
Davis, D. (M)
Deri, H. B. (A)
Eaves, A. J. (SM)
Haselton, M. L. (M)
Lamarque, J. W. (VA)

Albans (LI-2)
Behr, J. (A)
Brown, A. R. (M)
Ceccanti, L. P. (A)
Holder, V. D. (A)
Keicher, A. J. (M)
Keicher, R. J. F. (M)
Kirsch, W. A. (SM)
Kuchlewski, E. C. (A)
Kuchlewski, E. C. (A)
Rothenberg, S. M. (SM)
Smikle, K. R. (M)
Townsend, R. W. (A)
Washington, H. A. (M) St. Albans (LI-2)

St. James (L1-2) Jolas, G. C. (M)

St. Remy (NY-MH-2) Brown, W.J.(A)

Salt Point (NY-MH-2) Howson, J. C. (A) Taylor, R. L. (A)

Sanborn (BN-1) Bates , R . D . (A)

Sands Point (LI-2)
Callahan, E. C. (SM)
Deakin, G. (VA)
Hayward, G. H. (A)
Hoffister, D. G. (SM)
Langerman, H. (A)
Moore, F. H. (SM)

Saratoga Springs (SCH-1) Ant, E.B.(M) Cavenaugh, D.E.(M) Saslow, S.(M)

gertles (NY-MH-2)
Allen, G. W. (M)
Bading, C. E. (M)
Bading, C. E. (M)
Bright, D. W. (M)
Bright, D. W. (M)
Bright, D. W. (M)
Buck, R. D. (SM)
Cart, R. E. (A)
Conard, L. J. (A)
Doolin, F. L. (M)
Goldberg, M. (A)
Geller, H. (M)
Goldberg, M. (A)
Lett, A. S. (A)
Lutgal, R. H. (A)
Martello, A. S. (A)
Lutgal, R. H. (A)
Martello, A. S. (A)
Newcomb, C. E. (A)
Nitschke, N. E. (M)
Patterson, D. A. (A)
Peavy, W. R. (M)
Posalyko, P. N. (M)
Posalyko, P. N. (M)
Posalyko, P. N. (M)
Yonelj, M. (A)
Yonelj, M. (A)
Yonelj, M. (A) Saugerties (NY-MH-2)

Sauquoit (RU-1) Belby, M. (A)
Krusemark, K. A. (M)
La Forte, J. T. (A)
Wilson, W. P. (M)

Sayville (LI-2) Sprague, R. M. (M)

Scarsdale (NY-W-2) Irsdale (NY-W-2)
Alpert, N. (SM)
Burnell, L. G. (SM)
Carlson, R. E. (SM)
Davidoff, S. (SM)
Dubbs, B. (M)
Feln, M. J. (SM)
Fox, W. C. O. (M)
Garretto, L. A. , Jr. (M)
Heller, S. (M)
Keegan, R. R. (M)
Kimball, J. A. (M)
Lichtenstein, M. J. (SM)
McKirdy, R. W. (M)
Mislsco, E. J. (SM)
Monroe, R. B. (SM)
Openhelmer, F. W. (M) Seitz, F. A. (VA)
Skalski, C. A. (M)
Slaybaugh, C. W. (SM)
Snyder, R. F. (SM)
Stephens, M. C. (A)
Sutherland, W. R. (M)
Turner, A. (M)
Worthington, J. H. (A)

Schenectady (SCH-1)
Abraham, L. G., Jr. (A)
Acton, E. S. (M)
Adama, H. J. (M)
Alexander, N. W. (M)
Alexander, N. W. (M)
Alexanderson, E. F. W. (F)
Allen, C. C. (SM)
Amoth, V. W. (SM)
Anderson, J. M. (A)
Anderson, J. M. (A)
Barlow, D. P. (M)
Bergs, J. E. (F)
Bolster, M. F. (M)
Bowne, W. L. (M)
Bowne, W. L. (M)
Bowne, W. L. (M)
Brandes, P. D. (M)
Cheston, G. M. (M)
Buddenhagen, D. A. (M)
Buscher, R. G. (M)
Cheston, J. (M)
Cohen, A. (M)
Collins, R. N. (M)
Contordia, C. (SM)
Cralg, E. J. (M)
Cruger, B. W. (A)
Curlis, T. P. (SM)
Dabul, A. (M)
Diklinson, T. M. (M)
Dodson, G. C. (Jr. (M)
Dickinson, T. M. (M)
Dickinson, T. M. (M)
Dickinson, T. M. (M)
Fick, C. G. (F)
Fink, L. R. (M)
Granat, W. G. (M)
Granat, W. G. (M)
Herdman, D. B. (M)
Hershenov, C. Q. (M)
Luppitt, M. (SM)
Luppitt, M. (SM)
Luppitt, D. (A)
Kaufmann, R. E. (M)
Morison, A. (SM)
Hershenov, C. Q. (M)
Luppitt, D. (A)
Kowalczyk, A. C. (A)
Krysmann, G. A. (M)
Kamfmann, R. E. (M)
Morison, A. (SM)
Norson, P. F. (SM)
Helpott, D. (SM)
Hersher, C. Q. (M)
Luppitt, D. (M)
Rober, F. J. (M)
Morison, A. (SM)
Norson, P. E. (SM)
Morison, A. (SM)
Norson, P. E. (SM)
Pastler, P

Rankin , A , E , (SM) Rankin, A. E. (SM)
Raschke, R. R. (M)
Reed, R. I. (SM)
Reed, R. I. (SM)
Reiling, G. H. (M)
Rich, J. A. (SM)
Rocha, H. A. F. (A)
Rodbell, D. S. (M)
Root, A. A. (M)
Rothe, F. S. (M)
Russ, R. B. (SM)
Sampson, E. S. (SM)
Samuel, J., Jr. (M)
Shuey, R. L. (SM)
Soeray, M. R. (A)
Stein, H. H. (M)
Stromer, P. R. (A)
Stein, H. H. (M)
Stromer, P. R. (A)
Strop, R. J. Jr. (SM)
Taylor, J. E. (M)
Taylor, J. M. (M)
Tontinson, J. M. (M)
Troutman, J. J. (M)
Troutman, P. H. (M)
Ward, R. H. (A)
Wargo, P. (M)
Watkins, K. E. (SM)
Ward, R. H. (A)
Wargo, P. (M)
Watkins, K. E. (SM)
Watkins, K. E. (SM)
Watkins, K. E. (SM)
Watkins, R. L. (M)
Watkins, K. E. (SM)
Watkins, C. (F)
Wilson, V. C. (A)
Wolfe, J. E. (SM)
Young, J. D. (M)

Scipio Center (SYR-1) Matuzich, J. D. (A)

Sciplo Center (SYR-1)
Matuzich, J. D. (A)

Scotia (SCH-1)
Balley, W. E., Jr. (M)
Bondley, R. J. (SM)
Brougham, R. W. (M)
Carleton, E. O. (A)
Chambers, D. E. (F)
Cool, E. D. (F)
Cool, E. D. (F)
Coolidge, A. W., Jr. (M)
Day, B. E. (M)
Elsenacher, P. L. (M)
Elsenacher, P. L. (M)
Gardiner, P. C. (SM)
Gardiner, P. C. (SM)
Garder, G. F. (VA)
Gauver, H. A., Jr. (SM)
Hanrahan, L. R. (M)
Henry, R. J. (M)
Henry, R. J. (M)
Herry, R. J. (M)
Herry, R. J. (M)
Silver, G. W. (SM)
Jabionski, R. W. (A)
Knickerbocker, C. H. (M)
Mayer, C. B. (SM)
Miglore, C. (A)
Roberts, S. (M)
Sendzuk, G. T. (M)
Travis, E. F. (SM)
Vaughan, J. R. M. (SM)
Wagoner, C. A. (SM)
Wagoner, C. A. (SM)
Wagoner, C. A. (SM)
Wood, A. J. (M)
Stiville (ROC-1)
Benin, 7 (SC)

Scottsville (ROC-1) Benin, Z. (SM)

Sea Cliff (LI-2) CIIFI (LI-2)
Beer, A. E. (A)
Black, E., Jr. (SM)
Black, E., Jr. (SM)
Busching, H. L. (M)
Flackbert, C. (SM)
Hine, E. A. (M)
Hulland, B. L. (M)
Roherty, T. M. (M)
Shane, D. C. (M)
Singleton, C. M. (M)
Solt, H. B. (M)

Jingleton, C. M. (M)
Solt, H. B. (M)
Seaford (LI-2)
Battle, F. H., Jr. (M)
Beckham, C. L. (5M)
Catenaro, R. D. (A)
Cometz, W. (M)
Dlehimann, J. T. (M)
Flamholtz, P. (A)
Goodman, D. M. (SM)
Kaufman, I. (M)
Krutman, J. M. (A)
Lurch, E. N. (M)
McPevoy, H. G. (M)
McPherson, D. L., III (M)
Meyer, W. C. (A)
Myers, E. N. (M)
Oliver, O., Jr. (M)
Perimutter, A. M. (M)
Perzeszty, T. S. (A)
Purdy, R. L. (A)
Selby, A. R. (M)
Walker, A. S. (M)
Wolln, S. (A)

Seaford Harbor (LI-2) O'Maley, J. B. (M)

Searington (LI-2) Hammer, R. M. (SM)

Searington (LI-2)
Hammer, R. M. (SM)

Seneca Falls (ROC-1)
Burroughs, F. L. (SM)
Cowden, D. G. (M)
Dangremond, J. L. (M)
Dickinson, W. A. (SM)
Dowse, E. C. , Jr. (M)
Elsengrein, R. H. (A)
Faust, A. C. (A)
Fogo, G. E. , Jr. (M)
Gessford, R. K. (SM)
Haas, P. (VA)
Holcumb, W. A. (A)
Jans, J. T. (M)
Kahi, M. I. (SM)
Keen, A. W. (SM)
Krawtz, M. (SM)
Loughlin, J. H. (SM)
Mackey, D. G. (A)
Ottemilier, W. H. , Jr. (SM)
Shields, R. R. (M)
Stone, E. O. (M)
Stone, F. W. (SM)
Stone, F. Q. (M)
Written, A. C. (A)

**Thurne (BING-1)
Brown M.

Sherburne (BING-1) Brown, H. H. (M)
Drake, J. E. (M)
Fowler, A.K. (M)
Leitner, R. T. (M)
Lundahl, T. (SM)
Voorhaar, F. R. (M)

Shirley (LI-2) Potter, D. W. (M)

Shokan (NY-MH-2)

Shoreham (LI-2) Sheridan, T.R.(SM)

Sidney (BING~1) Knak, J. L. (M) Sposill, M. C. (M) Struble, R. C. (A)

Silver Creek (ERI-1) Barris, H. A. (A) Gull, R. A. (SM)

Skaneateles (SYR-1) meateles (SYR-1)
Biele, R. J. (SM)
Clark, P. B. (M)
Dean, W. W. (SM)
Ewing, L. M. (SM)
Hackley, C. L. (M)
Leeder, H. A. , Jr. (M)
Lloyd, C. G. (SM)
Rist, D. H. (M)
Wiggin, J. F. (A)

Slingerlands (SCH-1) ngerlands (SCH-1)
Bowle, W. G. (SM)
Dillenback, G. V., Jr. (M)
Longley, J. F. (SM)
Rechnitzer, B. W. (A)
Roderick, R. A. (A)

Smithtown (LI-2) ithtown (LI-2)
CIskanik, M. J. (A)
Elliott, W. A. (M)
Hanratty, R. J. (A)
Hastings, D. F. (A)
Kelly, J. H. (A)
Lemer, D. (A)
O'Nelli, E. P. (M)
Pawelko, M. J. (M) (A) Wengenroth, R. D. (M) Wethington, T. G. (M)

Smithville Flats (BING-1) Rotherforth , D . E . (A)

Snyder (BN-1) yder (BN-1)
Balint, A. T. (SM)
Blairt, D. J. (M)
Breeden, F. C. (M)
Halsted, G. P. (M)
Hettich, R. D. (M)
Hettich, R. D. (M)
Melling, W. P. (SM)
Melling, W. P. (SM)
Richmond, G. E. , Jr. (M)
Robins, B. W. (SM)
Sanders, E. R. (SM)
Tittle, H. C. (M)
Whyman, E. W. (SM)

Solvay (SYR-1) vay (SYR-1)
Fragnito, J. P. (M)
Shofstall, N. F. (SM)
Wagner, Z. G. (A)

Somers (NY-MH-2) unk, H.L.(M)

Southampton (LI-2) Buckingham, W. D. (M) Hildreth, A. E., Jr. (M) Lamar, R. E. (M)

South Farmingdale (LI-2) Saur, R.D.(M) Serra, I.C.(A)

South Hempstead (LI-2) La Rosa, R. (SM)

South Lansing (ITH-1) Bray, D. W. (SM) Swanseen, H. W. (A)

South Ozone Park (LI-2)
Calabrese, A. (A)
Gilmore, J. F. (M)
Gilckman, H. (M)
Helm, R. R. (M)
McDonald, F. J. (A)
Nelland, A. C. (A)
Rogers, W. (A)

South Salem (NY-W-2) Becker, H. R. (A)

Spencerport (ROC-1)
Cieslak, A. B. (M)
Heath, R. R. (M)
Krueger, R. K. (M)
Reynolds, H. J. (A)
Sibley, H. C., Jr. (SM)

Springfield Gardens (LI-2) Berthold, R. V. (M)
Davey, D. F. (A)
James, A. V. (A)
Martin, A. R. (A)
Phillips, L. E. (A)
Stiles, A. P. (M)

Spring Valley (NY-2) Braunstein, L.J. (A)
Broussely, M. (A)
Cook, S. (M)
Faist, C. A. (A) raist, C. A. (A)
Handelman, R. B. (SM)
Rosenbaum, J. (M)
Semer, M. (M)
Staniloff, S. A. (A)
Welan, I. (M)

Staatsburg (NY-MH-2) Norlan, R. (M)

Staten Island (NY-2)
Anderson, A. L. (A)
Arme, O. R. (M)
Aurlema, R. C. (M)
Bastow, J. G., Jr. (M)
Berlis, R. P. (M)
Bender, D. J. (M)
Brown, A. L. (A)
Cerasoli, A. (M)
Codd, B. E. (M)
Culicetto, P. J. (M)
De Martinis, J. R., Jr. (A)
De Rosa, H. M. (M)
Donovan, T. F. (M)
Donovan, T. F. (M)
Donovan, T. F. (M)
Droste, G. T. (M)
Duslo, E. W. (M)
Embrechts, A. C. (SM)
Goretsky, L. M. (A)
Goretsky, L. M. (A)
Goretsky, L. M. (A)
Goretsky, L. M. (SM)
Hamilton, C. W. (M)
Kieln, W. T. (A)
Kopecky, G. F. (M)
Koushouris, J. L. (SM)
Laevine, M. E. (SM)
Levine, M. E. (SM)
Levine, M. E. (SM)
Lidell, D. (A)
Lidell, D. (A)
Lidell, D. (A)
Lidell, D. (A)
Miller, S. S. (M)
Molinelli, R. J. (M)
Panicello, T. B. (M)
Phillips, B., III
(A)
Plant, R. E. (A)
Radowski, S. P. (M)
Reinhardt, N. J. (M)
Reinhardt, N. J. (M)
Reinhardt, N. J. (M)
Reinhardt, N. J. (M)
Rodwin, M. (A)
Rodwin, G. (SM)
Rosenquist, J. H. (A)
Rosen, J. F. (M)
Rosenquist, J. H. (A)
Scian, H. (A)
Shanley, J. J. (A)
Shanley, J. J. (A)
Shanley, J. J. (A)
Weinberg, T. L. (A)

Stewart AFB (NY-MH-2) Ahern, W. C. (M)

Stewart Manor (L1-2) Garrigan, T. E. (A) Norton, R. S. (SM) Quell, C. H. (M) Ruddy, W. R. (M)

Stittville (RU-1)
Corey, S. A. (M)
Lege, A. C. (M)
Sullenger, J. E., Jr. (M)
Williams, R. L. (M)

Stone Ridge (NY-MH-2) Darrell, R. D. (A) Raymond, A. H., Jr. (M) Stoney Brook (LI-2)
Holmes, D. D. (M)
Jacke, S. E. (A)
Medd, J. S. (SM)
Meranda, J. I. (M)
Rainey, E. A. (A)
Woodward, J. E. (M)

Suffern (NY-2)
Brendle, T. A. (A)
Frachtman, H. E. (M)

Sunnyside (LI-2) Clemens, R. W. (A) Fried, S. J. (M) Mallinger, A. (M) Stein, E. (M) Young, J. M. (M)

Swan Lake (NY-MH-2) Turetsky, N. (M)

Syosset (LI-2) JSSEL (L.F.2)
Abrams, C. F. (M)
Ashinsky, M. (M)
Ashinsky, M. (M)
Berdsworth, R. (A)
Berg, R. S. (A)
Bergman, S. I. (SM)
Bosse, W. F. (SM)
Cambbell, T. A. (A)
Caruthers, F. P. (SM)
Campbell, T. A. (A)
Caruthers, F. P. (SM)
Casper, S. D. (SM)
Clark, A. E., Jr. (A)
Coffman, B. C. (SM)
Cole, L. G. (M)
Coffman, B. C. (SM)
Cole, L. G. (M)
Corobby, M. G. (F)
Davavarian, H. O. (SM)
De Bolt, H. E. (SM)
Erickson, J. S. (SM)
Erickson, J. S. (SM)
Freeman, S. M. (A)
Freeman, S. M. (A)
Freeman, S. M. (A)
Freeman, M. J. (M)
Freeman, S. M. (A)
Freeman, A. J. (M)
Host, P. (M)
Host, P. (M)
Host, P. (M)
Host, P. (M)
Java, W. (M)
Loyell, J. A. (M)
Lublin, J. (M)
Leavitt, B. W. (SM)
Relsch, R. P. (M)
Pace, F. P. (M)
Parer, S. (SM)
Relsch, R. P. (M)
Sherman, E. H. (SM)
Smith, R. (A)
Smith, R. (A) , (SM) Smith, R. (A)
Somberger, E. A. (A)
Somberger, J. (SMO
StatsInger, J. (SMO
Unruh, G. E. (MO
Vander Veer, J. H. (M)
Wachspress, M. H. (SMO
Weidmann, L. J. (M)
Werst, M. C. (MO
Wing, R. (A)
Wylle, T. F., Jr. (MO
Wylle, T. F., Jr. (MO

Wylle, T. F., Jr. (M)

Syracuse (SYR-1)
Abrahams, I. C. (S M)
Ackley, E. H. (M)
Adams, W. B. (A)
Alimansky, M. (M)
Allen, J. E. (S M)
Anderson, A. F. (A)
Anderson, C. T. (M)
Andrews, P. D. (S M)
Andrews, P. D. (S M)
Andrews, W. A. (M)
Aoyaoj, K. (S M)
Apple, L. S. (M)
Aronson, C. A. (S M)
AshcroR, D. L. (M)
Astemborski, T. J. (M)
Bachman, C. H. (F)
Baker, L. T. (M)
Baker, W. R. G. (F)
Balabanian, N. (S M)
Barlow, J. C. (A) Baker, W. R. C. (F)
Batabanlan, N. (SM)
Barlow, L. C. (A)
Barnhart, H. D. (M)
Barton, L. M. (SM)
Bass, H. H. (M)
Besall, R. B. (A)
Beard, C. E. (SM)
Berlin, R. (M)
Benson, W. H., Jr. (M)
Berlin, R. D. (A)
Berlin, R. D. (A)
Berkoof, W. C. (M)
Best. R. C. (M)
Best. R. C. (M) Best, R. C. (M) Bias, F. J. (SM)

Blenvenu, M. L. (M)
Bluhm, V. A. (M)
Bogosta, W. (M)
Borski, G. K. (M)
Bostick, G. (M) Bostick, G. (M)
Brackney, K. H. (M)
Brandli, A. (M)
Brearley, H. C., Jr. (M)
Brinkman, J. D. (M)
Brown, J. S. (SM) Brule, J. D. (SM)
Buchta, J. C. (M)
Burke, T. H. (M)
Cabaniss, E. H. (SM)
Caffrey, T. P. (A)
Campbell, V. C. (SM)
Cample, V. C. (SM)
Candilo, E. B. (M)
Cardilo, E. B. (M)
Cardilo, E. B. (M)
Chaisers, G. J. (M)
Chaisers, G. J. (M)
Chaisers, G. J. (M)
Chiesers, C. C. (M)
Chow, W. F. (SM)
Chiesers, C. C. (M)
Chivers, C. C. (M)
Collins, N. E. (M)
Colerove, C. D. (M)
Collins, N. E. (M)
Constock, W. D. (M)
Constock, W. D. (M)
Constock, W. D. (M)
Conorer, W. H. (M)
Conorer, W. H. (M)
Conorer, W. H. (M)
Conorer, W. H. (M)
Conorer, W. F. (M)
Conorer, W.

Hicks, R. B. (M)
Hordzberg, A. B. (M)
Hoferer, W. G. (M)
Hoffman, J. (M)
Holfman, J. (M)
Holland, J. T. Jr. (M)
Holland, R. E. (M)
Holland, P. (SM)
Hu, Y. S. (SM)
Humeniuk, P. (SM)
Hurter, N. E. (M)
Hurter, N. E. (M)
Hurley, D. T. (M)
Hutley, D. T. (M)
Hutley, D. T. (M)
Hutley, D. T. (M)
Hutley, D. T. (M)
Holland, R. A. (M)
Johnson, R. A. (A)
Johnson, R. A. (A)
Johnson, R. A. (A)
Johnson, S. O. (M)
Johnson, S. O. (M)
Johnson, S. O. (M)
Johnson, S. O. (M)
Johnson, R. A. (A)
Johnson, S. O. (M)
Kerley, J. E. (M)
Kenter, J. E. (M)
Kenter, J. E. (M)
Kenter, P. (M)
Kenson, R. G. (M)
Kenter, P. (M)
Kenyon, S. W. (A)
Kinzie, M. E. (M)
Kirk, R. L. (M)
Kenyon, S. W. (A)
Kinzie, M. E. (M)
Kenyon, S. W. (A)
Kinzie, M. E. (M)
Kenter, J. E. (M)
Koch, A. R. (SM)
Korolenko, A. V. (A)
Kreitzer, N. H. (M)
Kenter, J. E. (M)
Leder, L. F. (M)
Leder, L. F. (M)
Martin, H. B. (F)
Lepanen, K. E. (M)
Martin, H. R. (A)
Marvin, H. B. (F)
Lepanen, K. E. (M)
Marvin, H. B. (F)
Masnik, M. Jr. (M)
Marvin, H. B. (F)
Masnik, M. Jr. (M)
Merithew, R. F. (M)
Merithew, R. F. (M)
Merithew, R. F. (M)
Merithew, R. F. (M)
Millen, L. A. (SM)
Morlock, M. J. (M)
Millen, L. A. (SM)
Mullin, L. A. (SM) Mullin, L. B. (M)
Mullin, L. A. (SM)
Neelands, J. J. (M)
Neely, L. E. (M)
Noble, M. L. (A)
Nomekens, A. C. (SM)
Novak, R. L. (M)
Novak, R. L. (M)
Oberneder, G. F., Jr. (M)
Ocko, R. (SM)
Ocko, R. (SM)
Olms, D. V. (A)
Paganelli, T. I. (SM)
Page, E. R. (A)
Pardee, O. O'M. (M)
Parker, C. B. (A)
Passarelli, W. F. (M)
Passarelli, W. F. (M)
Perny, H. E. (M)
Perry, H. E. (M)
Perry, J. L. (M)
Peterson, E. O. (M) - 529 - NEW YORK

Peterson, E. H., Jr. (M)
Peterson, G. R. (SM)
Polisse L. F. (M)
Powell, F. E., Jr. (A)
Priest, C. A. (F)
Prosser, A. M. (A)
Priest, C. A. (F)
Prosser, A. M. (A)
Putman, R. E. (M)
Quinn, H. H., Jr. (M)
Railland, H. (M)
Ramp, H. O. (M)
Realland, H. (M)
Realland, D. P. (SM)
Realland, D. P. (SM)
Reandall, D. P. (SM)
Redear, F. A. (M)
Reibert, R. C. (M)
Reynolds, F. M. (M)
Robinson, E. L. (A)
Roberts E. G., Jr. (SM)
Robinson, E. L. (A)
Roberts E. G., M. (M)
Robinson, E. L. (A)
Roberts, G. (A)
Romey, L. M. (M)
Robinson, E. L. (A)
Roberts, G. (M)
Rubin, J. E. (M)
Salder, A. E. (M)
Salder, A. E. (M)
Salders, A. E. (M)
Salders, A. E. (M)
Salders, A. E. (M)
Schumacher, G. B. (A)
Schupp, G. A., Jr. (SM)
Schumacher, G. B. (A)
Schupp, G. A., Jr. (SM)
Schumacher, G. B. (A)
Schupp, G. A., Jr. (SM)
Schumacher, G. B. (A)
Schupp, G. A., Jr. (SM)
Schin, R. L. (M)
Shaw, C. A. (M)
Shaw, C. A. (M)
Shaw, C. A. (M)
Shepp, R. E. (M)
Schith, R. J. (M)
Silverman, L. (A)
Silverin, R. F. (M)
Silverin, R. F. (M)
Starkey, G. M. (M)
Starn, J. J. (SM)
Swank, W. B. (M)
Walder, R. L. (A)
Wilder, R. L. (A)
Wilder, R. L. (A)
Wilder, R. L. (A)
Windrone, E. K. (M)
Walder, R. L. (A)
Windrone, E. R. (M)
Walder, R. L. (A)
Windrone, E. R. (M)
Walder, R. L. (A)
Windrone, E. R. (M)
Walder, R. L. (M)
Walder, R. C. (M)
Walder, R. C. (M)
Walder, R. C. (M)
Walder, R. C. (M)
Windrone, R. C. (M)
Windrone, R. C. (M)
Walder, R. C. (M)
Walder, R. C. (M)
Walder, R. C. (M)
Walder

Tappan (NY-2)
Petrakos, N. (M)
Ulrich, E. C. W. (A)
Yamaoka, J. H. (M)

Tarrytown (NY-W-2)

Bernstein, S. (A)

Bevan, R. K. (A)

Cartoon, G. P. (M)

Feile, R. H. (A)
Kiseda, J. R. (M)
Minich, C. H. (A)
Motchok, E. P. (M)
Norton, J. M. (M)
Passman, A. J., Jr. (M)
Rae, J. R. (SM)
Sumoski, T. (M)
Williamson, C. R. (M)

Thormwood (NY-W-2)
Belcher, R. D. (M)
Burfeindt, K. L. (M)
Bums, G. D. (A)
Hall, H. D. (M)
Levine, R. J. (M)
MacDonald, J. N. (M)
Matsuoka, M. E. (M)
Orth, F. (M)
Washburn, C. A. (M)

Tillson (NY-MH-2) Hampshire, J. R. (M) Mangan, B. A. (A)

Tioga Center (BING-1) Hansen, R. R. (M) Leightner, R. A. (M)

Tonawanda (BN-1)
Babcock, L.F. (M)
Banshak, W.G. (A)
Baumler, F.R. (M)
Bondy, M.F. (M)
Bossler, F.B. (M)
Calboun, S.H. (A)
Carlson, R.E. (M)
Cole, E.S. (M)
Coper, G.S. (M)
Coper, G.S. (M)
Crooks, R.G. (M)
Gordy, E. (A)
Green, V. H. (M)
Harpster, W.T. (SM)
Janushevich, A. (M)
Johnson, M.E. (A)
Koons, E.E. (M)
Krowl, E.R. (M)
Krowl, E.R. (M)
Krowl, G.W. (M)
Lepley, R.C. (SM)
Limburg, M.A., Jr. (M)
Meldrum, M.A., Jr. (M)
Mernen, H. (M)
Morrison, H.V. (M)
Morrison, H.V. (M)
Noye, P.R. (M)
Paterniti, A.R. (A)
Plicato, W.L. (A)
Plopovich, B. (SM)
Powell, D.R. (M)
Popovich, B. (SM)
Powell, D.R. (M)
Schlichter, E.S. (M)
Schlichter, E.S. (M)
Staples, Z.B. (M)
Timberlake, F.A. (SM)
Wabsser, W.J. (M)
Wasserman, B. (SM)
Wixson, E.S. (M)
Zehr, R.M. (M)

Troy (SCH-1)
Bablis, V.A. (F)
Bashford, H.L. (M)
Beers, R.F. (SM)
Burger, R.W. (M)
Close, C. M. (M)
Harris, H.D. (M)
Holt, E. H. (M)
Jenkins, K.W. (M)
Kitsopoulos, S.C. (M)
Kuz, C.J., Jr. (M)
Love, A.L. (M)
MacGregor, W. (M)
Martin, T.A. (M)
Mortenson, K.E. (SM)
Norvik, F.J. (SM)

Trumansburg (ITH-I) Beers, R.B. (M) Clavier, P.A. (SM)

Tuckahoe (NY-W-2)
Austin, K.B. (M)
Bollari, L. (A)
Drew, C.E. (SM)
Dunn, C.J. (M)
Gallios, G.C. (M)
Jurafsky, A.J. (M)
King, K.L. (SM)
Nerenberg, R.I. (M)
Suppa, P.P. (M)
Walsh, J.V. (M)

Ulster Park (NY-MH-2) Lewis , A .G . (A) Waldenmayer , D . W . (M)

Union (BING-1) Bachman, D.F. (M) Morgan, W.A. (M)

Uniondale (L1-2)
Aha, R.S. (M)
Brenner, M. (M)
Delligatti, S.F. (M)
England, J.W. (A)
Gauld, R.V. (SM)
Keen, H.S. (M)

Kley, R.C., Jr. (M)
Kushner, G. (M)
Levinson, S. (M)
Mann, A. (M)
Norris, C.R. (M)
Schiff, R.M. (A)
Schmidt, J.G. (M)
Sumrell, F.N. (SM)

Upton (LI-2)
Adams, R. R. (A)
Bitner, J.W. (M)
Blewett, J.P. (SM)
Chase, R.L. (M)
Constant, T.N. (M)
Cowan, F.P. (M)
Gerrity, R.J. (M)
Haima, H.J. (M)
Higinbotham, W.A. (F)
Kiesling, J.D. (A)
Kuper, J. B. H. (F)
Plokkin, M. (SM)
Rankowitz, S. (M)
Rheaume, R. H. (M)
Spinrad, R. J. (M)

Utica (RU-1)
Ahladas, J.P. (M)
Ainsworth, M. G. (A)
Antonucci, P. (M)
Babicz, R.J. (A)
Barran, A.S. (M)
Baris, A.J. (M)
Baris, A.J. (M)
Barran, A.S. (M)
Beran, A.S. (M)
Beams, C.E. (M)
Beaubien, W.H. (M)
Bervenga, F.T. (M)
Bervenga, F.T. (M)
Bervenga, F.T. (M)
Bernard, F.A. (M)
Bervenga, F.T. (M)
Bernard, F.A. (M)
Bervenga, F.T. (M)
Bervenga, F. (M)
Bervenga, F. (M)
Bervenga, F. (M)
Bosworth, O.T. (A)
Brown, R. J. (A)
Brown, R. J. (A)
Brown, R. J. (A)
Brown, R. J. (A)
Brown, A. R. (M)
Buckman, S.L. (A)
Campbell, W.J. (M)
Capps, R. G. (M)
Carison, W.A. (A)
Covin, C.J. (M)
Corring, J.J. (A)
Cotton, L.J. (M)
Comer, J.L. (M)
Domder, C.J. (M)
Domdery, D. T. (M)
Domderl, J.T. (A)
Dowdell, J.T. (A)
Dowdell, J.T. (A)
Dowdell, J.T. (A)
Dowdell, J.T. (M)
Ean, G.E. (M)
Ellis, H.J., Jr. (M)
Ellis, H.J., Jr. (M)
Events, W.J. (M)
Feldman, J. (A)
Haushalter, C. H. (SM)
Holstead, A.J. (M)
Horner, R. E. (M)
Horner, R. E. (M)
Horner, R. E. (M)
Horner, R. E. (M)
Horner, J. C. (M)
Lewenchin, J. A. (M)
Kolley, R. S. (M)
Kelley, G. J. (M)
Kelley, G. J. (M)
Kelley, G. J. (M)
Kelley, G. J. (M)
Kolley, R. S. (M)
Kelley, G. J. (M)
Kolley, R. S. (M)
Kelley, G. J. (M)
Kolley, R. S. (M)
Mills, G. M. (A)
Moldoff, S. (M)
Mills, G. M. (A)
Norther, M. (A)
Norther,

Oot, R.F. (A)
Pacial, H.P. (M)
Pacial, H.P. (M)
Panasiewicz, J.J. (M)
Pealman, J. (M)
Pelerossi, A.F. (M)
Pelowski, E.H. (M)
Peterpaul, C.A. (M)
Phillip, R.M. (M)
Phillips, J.N. (SM)
Pittafasa, D. (A)
Piehn, J.G. (SM)
Popolo, J.W. (M)
Puopolo, J.W. (M)
Puopolo, J.W. (M)
Puopolo, J.W. (M)
Radnor, R.R. (M)
Radnor, R.R. (M)
Radnor, R.R. (M)
Romanelli, P.A. (M)
Rossenberg, M.W. (A)
Rossenberg, M.W. (M)
Sallus, G.M. (M)
Stalli, E.W. (M)
Stalli, E.W. (M)
Strauss, L. (M)
Sunton, M.A. (M)
Thomas, K.W. (M)
Thomton, J.W. (M)
Thomton, J.W. (M)
Tullis, B.C. (A)
Wanger, R.A. (SM)
Washington, R.W. (M)
Tullis, B.C. (A)
Warn, D.E. (M)
Washington, R.W. (M)
Webb, J.K. (M)
Welgel, R.L. (M)
Welgel, R.L.

Valhalla (NY-W-2) Dworetzky, L.H. (SM) Hodapp, E.W., Jr. (A) MacAdam, W.K. (SM) Parr, A.F.W. (M) Romanello, A.C. (M)

Romanello, A.C. (M)

Valley Stream (LI-2)
Agress, M.C. (M)
Albanese, V.J. (SM)
Bahnsen, R.J. (M)
Barnell, E.J. (A)
Borkum, D.B. (M)
Brandstetter, R.W. (A)
Cooney, F.A. (M)
Davis, S. (M)
Ferkara, J.J. (M)
Ferkara, J.J. (M)
Ferkara, J.J. (M)
Ferkara, J.J. (M)
Gamrat, S. (A)
Goldman, G. (M)
Goodstein, J. (M)
Grossman, M. (M)
Grossman, M. (M)
Grossman, M. (M)
Grossman, M. (M)
Kapayaf, E.F. (M)
Kapayaf, E.F. (M)
Kapayaf, E.F. (M)
Kem, J.R. (A)
King, L.H. (SM)
Lidz, S. (SM)
Lo Cascio, G.P. (M)
Mancheim, B. (M)
Mancheim, B. (M)
Mancke, R.B. (M)
Mancke, R.B. (M)
Mancke, R.B. (M)
Miller, G. (A)
Miller, G. (A)
Minneman, M.J. (SM)
Misail, G. (A)
Minneman, M.J. (SM)
Misail, G. (A)
Peyser, W.P. (SM)
Pihell, L.J. (A)
Pitrelli, F.J. (A)
Pitrelli, F.J. (A)
Pitrelli, F.J. (A)
Roth, H.A. (M)
Rothenberg, N. (M)
Sandler, P.L. (A)
Schaaf, W.K. (A)
Schaaf, W.K. (A)
Schaaf, W.K. (A)

Tillman, L. (M)
Wessbecher, F.W. (M)
Woemer, R.G. (A)
Wolf, C.F. (A)
Woodbury, W.F. (SM)
Ziegler, G.W. (A)

Verona (RU-1)
Boothroyd, G.A. (M)
Butler, H.E. (SM)
Clark, D.R. (M)
Francis, H.G. (SM)

Vestal (BING-1)
Aldrich, D.H. (M)
Battison, A.H. (M)
Beausoleil, W.F. (M)
Beausoleil, W.F. (M)
Bertelsen, B.J. (A)
Blossom, E.L. (M)
Blossom, E.L. (M)
Bowen, E.C. (M)
Boylan, R.P. (M)
Breedlove, R.H. (M)
Breedlove, R.H. (M)
Colaling, R.P. (M)
Calkins, G.T. (M)
Calkins, G.T. (M)
Carpenter, L.C. (M)
Carpenter, L.C. (M)
Cooper, J. (M)
Cooper, J. (M)
Cooper, J. (M)
Dyologo, R. (M)
Dyologo, R. (M)
Droege, F.J. (A)
Elsbree, W.F. (A)
Farnk, L.E., Jr. (A)
Frank, R.A. (A)
Greene, J.E. (M)
Harford, H.D. (M)
Keough, K.J. (M)
Koranye, T.D. (M)
Loyd, J.W., Jr. (A)
Loyd, J.W., Jr. (A)
Loyd, J.W., Jr. (A)
Macthed, D.S. (A)
Markle, R.E. (M)
Mason, P.R., Jr. (A)
Mantin, C.L. (M)
Mason, P.R., Jr. (A)
Minnick, A.W. (M)
Nuss, H.C.E. (M)
Oates, K.H. (M)
Nuss, H.C.E. (M)
Poupard, R.E. (M)
Popard, R.E. (M)
Popard, R.E. (M)
Proterfield, F.B. (M)
Schroeder, E.M. (SM)
Schroeder, E.M. (SM)
Sykas, A.J. (M)
Trest, L.S., Jr. (M)
Sykas, A.J. (M)
Trest, L.S., Jr. (M)
Vacca, L. N. (M)
Vacca, L. N. (M)
Vacca, L. N. (M)
Vacca, L. N. (M)
Varion, W.F. (M)
Varion,

Victor (ROC-1) Holmes, R.W. (SM) Perkins, J.C., Jr. (M)

Wallkill (NY-MH-2) Parker, R.G. (A)

Wantagh (LI-2)
Ahman, A.J. (A)
Alter, J. (SM)
Amdt, W.R. (SM)
Bauer, W.C. (M)
Bloom, L. (M)
Brown, C.J. (M)
Caliaturi, J.F. (M)
De Cesare, J.F., Jr. (A)
Ely, R.C. (M)
Fauteck, W.S., Jr. (M)
Gibsecke, O.W. (SM)
Greeley, J.J. (M)
Greene, J.C. (M)
Greene, J.C. (M)
Greene, J.C. (M)
Holder, L.H. (M)
Holder, L.H. (M)
Holder, R.M. (M)
Hoffman, C. (M)
Hoffman, C. (M)
Hoffman, C. (M)
Hothon, G.L. (M)
Hothon, G. (M)
Hothon

Sarfaty, J. (A)
Schieber, T. (M)
Schiefres, P. (M)
Schleher, D.C. (A)
Schoeder, R.P. (M)
Seckler, P.J.A. (M)
Sferrazza, P.J. (M)
Sterazza, P.J. (M)
Stiverman, S. (M)
Stiverman, S. (M)
Stateman, M.J. (SM)
Strauss, A. (M)
Sunder, J.E. (M)
Vuono, R.A. (A)
Vuono, R.A. (A)
Ward, W.P. (M)
Weinstein, M. (M)
Weiss, L.M. (M)

Wappingers Falls (NY-MH-2) Aunsta, B. (M)
Amstrong, R.M. (M)
Beetham, J.P. (M)
Brandt, W.E. (M)
Brodd, W.D. (A)
Buelow, F.K. (M)
Caswell, A. (A)
Councill, E.D. (M)
Caswell, A. (A)
Councill, E.D. (M)
Camshe, D.F. (M)
Cullen, J.W. (M)
Deininger, C.R. (M)
Deininger, C.R. (M)
Deininger, C.R. (M)
Di Marco, A.F. (M)
Di Marco, A.F. (M)
Fernekees, J.E. (A)
Filter, J. (M)
Fernekees, J.E. (M)
Finstuen, R.E. (M)
Finstuen, R.E. (M)
Finstuen, R.E. (M)
Finsten, R.E. (M)
Gasff, W.S. (M)
Gedney, R.W. (M)
Gedsler, H.J. (M)
Gredericks, C.F. (A)
Gaffney, J. (M)
Gedney, R.W. (M)
Gesser, H.J. (M)
Groce, D.C. (M)
Grossnickle, J.R. (M)
Howard, P.H. (A)
Johnson, J.D. (M)
Marous, J.F., Jr. (M)
Morne, G.H. (A)
Mornis, E.F. (M)
Mornis, E.F. (M)
Mornis, E.F. (M)
Nick, H.H. (A)
O'Brien, H.A. (M)
O'Brien, H.A. (M)
O'Brien, H.A. (M)
Noris, E.F. (M)
Roberts, W.R. (M)
Paul, A.J., Jr. (A)
Platz, E.F. (M)
Roberts, W.R. (M)
Russell, R.A. (A)
Savary, J.E. (M)
Stallard, L.B. (M)
Williams, R.J. (M)

Warners (SYR-1) Walsh, L,F. (A)

Waterford (SCH-1) Michon, G.J. (A)

Waterloo (ROC-1) Allen, R.J. (A)

Water MIII (LI-2)
Delbert, C.R. (M)
Luke, R.O. (M)

Waterville (RU-1) Seiler, R.T. (A)

Watervliet (SCH-1) Lavoo, N. (M) Memill, H.B., Jr, (M)

Waverly (BING-1) Cooney, J.O., Jr. (M) Long, R.E. (M) Owen, F.D. (M)

Webster (ROC-1) sster (ROC-1)
Beetz, H. J. (M)
Coleton, J. W. (M)
Coleton, J. W. (M)
Daly, J. P. (M)
Evans, R. W. (A)
Fox, R. M. (M)
Hattersley, T. E., Jr. (SM)
Herbert, R. B. (M)
Hunderup, A. R. (M)
King, P. F. (A)
Matteson, R. G. (M) Ozone, K. (SM)
Piotraschke, C.F. (M)
Proctor, T. (M)
Reinke, R. V. (M)
Sienkiewicz, A.H. (M)
Steck, A.F., Jr. (M)
Vosefski, J.R. (M)
Wheeler, J.L. (M)
Zogg, F.E. (SM)

Weedsport (SYR-1) Jeffords, J.M. (M)

Wellsville (ELM-C-1) La Dieu, F.A. (A)

West Babylon (L1-2) D'Angelo H. (M) McMullin, R.E. (M)

Westbury (LI-2)
Abajian, H.B. (M)
Adler, W. (M)
Aloisio, R.R. (M)
Aloisio, R.R. (M)
Belox, R.R. (M)
Bescker, N. (M)
Belev, E.G., Jr. (A)
Berkoff, S. (M)
Bittman, L.R. (A)
Borken, A. (A)
Chen, A. (A)
Chen, A. (A)
Chen, S.B. (M)
Collins, J.F. (M)
Dome, A. (M)
Dome, A. (M)
Esposito, J.A. (A)
Ellis, P.H. (SM)
Esposito, J.A. (A)
Falkov, H. (M)
Friedman, J. (A)
Gamon, J. A., Jr. (A)
Gitlin, S.A. (M)
Gitleman, R. (A)
Gitlin, S.A. (M)
Gitleman, R. (A)
Gitlin, S.A. (M)
Gitleman, R. (A)
Gitlin, S.A. (M)
Kritz, J. (M)
Hellmann, R. (SM)
Hellmann, R. (SM)
Hellmann, R. (SM)
Hellmann, R. (SM)
Morgan, R.W. (M)
Levine, S.W. (SM)
Logon, R.W. (M)
Levine, S.W. (SM)
Liguori, M.A. (A)
Logan, R.W. (M)
Markines, L.T. (M)
Moranstern, K.H. (SM)
Moranstern, K.H. (SM)
Moranstern, K.H. (SM)
Moranstern, K.A. (SM)
Moranstern, K.H. (SM)
Moranster

Westernville (RU-1) Mackey, C.L. (M)

West Forest Hills (L1-2) Christian, J.L. (M)

Westhampton (L1-2) Goodman, J.A. (M)

West Hempstead (LI-2) st Hempstead (L1-2)
Aveney, R. J. (M)
Bifano, V. J. (M)
Birano, V. J. (M)
Buck, J. D. (A)
Cohen, N. L. (M)
Dean, M. A. (M)
Erdheim, W. (M)
Falnweather, R. W, (M)
Goldman, B. (A)
Karasz, J. (M) Lammer, L.H. (M)
Lazarich, M.R. (A)
Levine, H.A. (SM)
Metzner, P. (M)
Multari, A.M. (M)
Saffitz, I.M. (M)
Seisler, M. (M)
Shitkin, H. (M)
Thiede, F.C.W. (VA)
Trias, J.J. (M)
Voelpel, J. (A) Weintraub, I.A. (M) Westman, H.P. (SM)

West Hurley (NY-MH-2) Mirick, H. L., Jr. (A) Saxe, I. N. (M)

West Istip (LI-2)
Bell, R. W. (M)
Bushor, W. E. (M)
Collock, H. (A)
Damast, M. A. (M)
Eglit, W. F. (M)
Gager, C. H. (M)
Hermida, R. J. (M)
Leedham, R. (M)
Russo, A. J. (A)
Schecker, E. J. (A)
Stenecker, R. G. (M)

West Monroe (SYR-1) Fiet, J. H., III (A)

Westmoreland (RU-1) Van Etten, P. (A)

West Nyack (NY-2)
Burton, J. R. (M)
Stilwell, G. R., Jr. (M)
Wolff, J. H. (A)

West Point (NY-MH-2)
Friend, H. C. (A)
Gillette, E. C. , Jr. (M)
Mltchell, J. D. (M)
Monahan, L. P., Jr. (M)
Schulke, H. A. , Jr. (A)
Strohm, W. E. (M)

West Seneca (BN-1) Nowicki, J. J. (A)

West Webster (ROC-1) Bettin, R. (M)

White Plains (NY-W-2)
Asch, B. (A)
Bernardi, A. R. (A)
Blooker, T. B. (M)
Bloom, W. E. (A)
Bolsey, E. J. (A)
Borden, E. D. (A)
Brailey, M. L. (M)
Coben, H. P. (A)
Coles, G. F. (A)
Cuccia, J. F. (M)
Deas, J. M. (M)
Eisenreich, W. (A)
Faup, J. J. (M)
Fearing, J. L. (VA)
Ferquson, H. F. (M)
Flower, R. A. (M)
Gano, A. S. (SM)
Garzigli, J. J. (A)
Gilbert, J. (M)
Gotec, E. J. (M)
Gotec, E. J. (M)
Gresto, J. J. (M)
Gresto, J. J. (M)
Gresto, J. J. (M)
Grentke, O. V. (SM)
Gronner, A. (SM)
Guttlieb, G. J. (M)
Haber, F. (M)
Hackett, A. J. (M)
Harris, E. R. (M)
Harris, E. R. (M)
Houle, L. A. (M)
Jenkins, H. C. (M)
Jenkins, H. C. (M)
Lewis, J. R. (M)
Lida, S. L. (M) Lida, S. L. (M)
Lisk, H. H. (M)
Macdonald, W. D. (SM)
Markham, G. W. (M)
Merkham, G. W. (M)
Meretit, N. A. (M)
Metealle, D. (SM)
Meyer, B. (M)
Millman, J. H. (A)
Millman, J. H. (A)
Millman, J. CP
Mountain, J. D. (M)
Pasiforico, E. M. (M)
Pastoriza, H. G., Jr. (M)
Penderyrass, H. L. (A)
Pinz, B. M. (A)
Preston, F. S. (SM)
Reiner, S. (M)
Richmond, I. D. (A)
Sands, E. A. (M)
Sandock, J. (M)
Sandock, J. (M)
Sandock, J. (M)
Sandock, J. (M)
Scheiner, M. L. (M)
Scheiner, M. L. (M)
Schielcher, M. (A)

Spitalny, A. (M) Strysko W. J. (A) Sulds, I. P. (A) Tudbury, C. A. (M) Warnick, G. H. (M) Yadoff, O. (SM) Ziserman, M. (SM)

itesboro (RU-1)
itesboro (RU-1)
itesboro (RU-1)
Brady, C. E. (M)
Cole, F. G. (SM)
Davis, D. M. (M)
Diab, M. A. (M)
Edgett, R. S. (M)
Erwin, R. L., Jr. (M)
Fleming, J. A. (M)
Gaffney, R. E. (SM)
Gibson, J. A. (SM)
Grimm, R. S. (M)
Hartnett, G. C. (M)
Hauge, H. R. (M)
Kenyon, H. P., Jr. (M)
Ketchum, P. M. (SM)
Kulmus, R. J. (M)
Lanzara, E. M. (M)
Levesque, R. W. (M)
Lutze, R. J. (SM)
Mills, J. B. (M)
Orear, E. R. (SM)
Pfefer, B. L. (SM)
Pfefer, B. L. (SM)
Pfefer, B. L. (SM)
Statt, J. B. (M)
Schatz, F. W. (SM)
Statt, J. A. (M)
Wallenfels, W. B. (M)
Watson, D. E. (M)
Watson, D. E. (M) Whitesboro (RU-1) Wallenfels, W. B. Watson, D. E. (M)
Winn, D. H. (SM)
Withington, A. (M) (M)

Whitestone (LI-2) Abruzzi, P. W. (M)
Ballinger, R. F. (M)
Ballinger, R. F. (M)
Benisch, N. E. (M)
Chun, B. (M)
Chun, B. (M)
Chun, B. (M)
Grencherg, E. (M)
Greenberg, E. (M)
Greenberg, E. (M)
Green, I. (A)
Hurter, E. M. (M)
Merten, D. J. S. (SM)
O'Connell, T. P. (A)
O'Toole, C. E. (SM)
Pedowicz, J. M. (M)
Peiner, N. (M)
Peiner, N. (M)
Pokorny, J. S. (M)
Pokorny, J. S. (M)
Pokorny, J. S. (M)
Schachter, M. (M)
Schachter, M. (M)
Schain, W. L. (SM)
Schachter, J. (M)
Schain, W. J. (M)
Schain, J. W. (M)
Schain, J. W. (M)
Schain, J. (M)
Schain, J. W. (M)
Schain, J. W. (M)
Schain, J. W. (M)
Schain, J. W. (M)
Schain, J. J. (M)
Steckler, J. (A)
Vogt, J. J. (M)
Wappler, A. C. (A)
Weida, R. L. (M) (M)

Whitney Point (BING-1) Read, L.P., Jr. (M) Ticknor, S.L. (A)

Read, L. P., Jr. (M)

Read, L. P., Jr. (M)

Ticknor, S. L. (A)

Williamsville (BN-1)
Becker, H. D. (A)
Bergerson, C. W. (A)
Billings, N. (M)
Black, P. B. (SM)
Carr, F. S. (M)
Cleary, R. E. (M)
Cleary, R. E. (M)
Gibbons, H. M. (A)
Giori, F. A. (M)
Hart, W. E. (M)
Hart, W. E. (M)
Hart, W. E. (M)
Lindsay, J. E. (M)
Mackechnie, H. R. (SM)
Mandale, W. R. (M)
Maylott, C. F. (SM)
Maynard, H. M. (M)
Merle, C. W. (SM)
Novo, R. B. (M)
Pelton, F. M. (M)
Sante, D. P. (SM)
Scheetz, H. A. (M)
Scholsser, G. A. (M)
Sears, R. A. (M)
Snyder, W. W. (SM)
Tona, C. J. (M)
Torde, S. W. (SM)
Torde, S. W. (SM)
Torde, S. W. (SM)
Torde, S. M. (SM)
Tiston Park (11-2)

Williston Park (L1-2) Flattau, T. (A) Gillespie, C. H., Jr. (M) Jennison, R. E. (A)

Keify, M., J. (M) Losow, H. C. (M) Perkowski, T. F. (M) Ploss, A. G. (M) Rothstein, M. (M) Schaetzi, R. J. (A) Suillvan, L. D. (M) Weidle, C. M., Jr. (A) Zwick, G. (M)

Wilmington (SCH-1) Preston, H. D. (A)

Windsor (BING-1) Nielsen, R. S. (A) Van Billiard, L. A. (A)

Woodbury (LI-2) Fricker, J. N. (M) Hanulec, J. D. (A) Roel, E. L. (M)

Woodhaven (LL-2) odhaven (LI-2)
Bassett, A., Jr. (M)
De Slze, L. K. (M)
Hess, D. T. (M)
Jacobs, F. (SM)
Jacobs, F. (SM)
Jensen, H. S. (M)
Reitlinger, A. (M)
Sloan, R. R. (M)
Sweetland, J. G. (M)
White, C. F. (M)
Winter, D. W. (A)
Wolber, W. O. (M) (M)

Woodmere (LI-2) Cohen, A. L. (M) Crystal, F. H. (A) Ozarin, S. J. (A) Zweifler, I. (M)

Uzarin, S. J. (A)
Zweifler, I. (M)
Woodside (LI-2)
Altmayer, F. V. (M)
Berger, L. M. (M)
Bibbero, R. J. (SM)
Cabot, J. H. (A)
Callais, R. T. (M)
Culver, A. R. (A)
Deplerro, J. M. (M)
Digenova, F. (A)
Dore, N. J. (A)
Gautherin, G. A. (M)
Halko, J. W. (M)
Heathcote, B. G. (A)
Hlavna, R. S. (M)
Johnston, W. F. (A)
Kroessier, A. W. (M)
Martin, A. L., 11 (A)
O'Sullivan, D. R. (A)
O'Sullivan, J. K. (M)
Parzen, B. (SM)
Parzen, B. (SM)
Parter, G. (M)
Pocze, T. (M)
Rafferty, J. J. (M)
Rowney, E. A. (A)
Stapler, B. (A)
Taplitz, J. H. (M)
Tucker, A. G. (A)
Varza, G. (A)
Varza, G. (A)
Varza, G. (A) Zlachevsky, B. (A)

Woodstock (NY-MH-2)
Collins, M. (A)
Gray, R. G. (M)
Hickey, H. G. (A)
Jacob, W. P. (M)
Kutcher, M. M. (M)
Lindsay, R. L. (M)
Menard, E. A., Jr. (I)
Selfridge, J. J. (M)
Spencer, D. L. (M)
Van Rijn, J. C. (SM)

Wyandanch (LI-2) Antman, H. S. (M) Thompson, W. G. (A) Totah, E. J. (M)

nkers (NY-W-2)
Altieri, J. R. (M)
Arbuthnott, J., J., J. (A)
Armani, L. J. (M)
Avnutik, R. F. (M)
Balletta, A. G. (M)
Bemardi, U. A. (M)
Blumbera, J. (M)
Blumbera, J. (M)
Blumbera, J. (M)
Buchalter, M. (M)
Buchalter, M. (M)
Buchalter, M. (M)
Buchalter, M. (M)
Damondell, J. A. (A)
Carss, B. (A)
Castriota, L. J. (SM)
Cugliari, N. (M)
Diamond, J. E. (M)
File, E. M. (M)
Filefablum, D. D. (A)
French, C. C. (M)
Friench, C. C. (M)
Goetzl, M. (M)
Goetzl, M. (M)
Gomberg, L. (M)
Grabowski, J. L. (A) Yonkers (NY-W-2)

Hesse, G. L. (SM)
Hillman, P. L. (SM)
Jones, D. H. (A)
Knauert, W. F. (M)
Korewick, J. (M)
Lamb, R. U. (M)
Letscher, E. J. (M)
Lety, P. M. (SM)
Lisewski, E. E. (A)
Loebi, W. W. (M)
Looney, L. A. (M)
Lynch, D., F., Jr. (A)
Mishkoff, S. (M)
Mamerow, V. C. (A)
Ondroczky, O. A. (M)
Orefice, G. T. (M)
Oswald, H. (M)
Pelavin, M. H. (M)
Perelle, I. B. (A)
Regan, H. T. (M)
Resnicow, L. (M)
Richardson, R. J. (A)
Richter, J. G. (A)
Roth, S. S. (A)
Sacks, E. I. (SM)
Schachat, T. (SM)
Schiller, G. (A)
Schiller, G. (A)
Singer, R. E. (M)
Solins, R. (M)
S

Youla, D. C. (SM)
Zatorsky, E. F. (VA)

Yorktown Heights (NY-W-2)
Alien, R. G. (M)
Anderson, N. S. (M)
Anderson, N. S. (M)
Callinan, T. D. (SM)
Chien, R. T. (A)
Chen, R. T. (A)
Coombo, J. M. (M)
Deerhake, W. J. (SM)
Ellis, I. T., Jr. (M)
Furth, E. (A)
Gamo, H. (M)
Guros, F. S. (M)
Hodge, B. (M)
Kalenich, W. A. (A)
Krongelb, S. (M)
Lambert, J. (M)
Lum, H. P. (M)
Mezel, J. E. (M)
Miller, R. E. (M)
Miller, R. E. (M)
Seville, A. R. (M)
Sholtz, P. N. (M)
Smith, M. G. (A)
Smyth, F. J. (M)
Singli, (M)
Teschmacher, H. W. (SM)
Verma, Y. P. (A)
Ward, R. L. (M)
Willer, R. E. (M)
Willer, R. E. (M)

Yorkville (RU-1) Pankiewicz, C. L. (M)

NORTH CAROLINA

Albemarle (NC-W-3)

Almond, J. A. (M)

Asheboro (N-CAR-3) Stephens, T. L. (M)

Asheville (NC-W-3)
Hayes, W, L. (M)
Kennedy, R, A. (M)
McConnel, W, G. (SM)
Morgan, Z. K., Jr. (A)
Schumer, H. A. (M)
Smith, I. A., Jr. (M)
Sprague, G, F. (SM)

Badin (NC-W-3) McFadden, J. W. (M)

Banner Elk (N-CAR-3) Kalbfielsch, A. M. (A)

Boone (N-CAR-3) Isenhour, C. N. (M) Littleton, W. W. (M)

Burlington (N-CAR-3) Apple, H. L. (M)
Barlow, J. E. (SM)
Birdsey, G. J., Jr. (M)
Brown, C. J. (SM)
Casey, J. B. (M)
Chaffey, D. K. (M)
Cobb, H. E. (M) Davis, D. A. (M)
Day, J. L. (M)
Day, J. L. (M)
Donaldson, E. E., Jr. (M)
Evans, G., Jr. (A)
Fox, M. L. (M)
Harls, R. H. (M)
Harls, R. H. (M)
Harls, R. H. (M)
Harls, R. H. (M)
Hoover, V. M. (M)
Hurst, E. (A)
Jones, W. G. (M)
Kelly, C. J. (A)
Kelly, I. E. (M)
Mann, J. H. (A)
Mann, J. H. (A)
Massey, E. H. (M)
Mars, D. F. (M)
Mincey, J. H. (M)
Mance, R. L. (A)
Mincey, J. H. (M)
Nance, R. L. (A)
Nimcke, F. E. (SM)
Nimc, J. A. (M)
Nimcke, F. E. (SM)
Nimc, J. A. (M)
North, T. G., Jr. (M)
Peake, M. W. (M)
Perry, L. A. (M)
Rathoford, L. M. (M)
Rilley, M. H., Jr. (M)
Rudisill, J. A. Jr. (M)
Savole, L. P. (A)
Sees, J. H. (M)
Savole, L. P. (A)
Shackley, E. R., Jr. (M)
Singletary, W. A. (M)
Singletary, W. A. (M)
Singletary, W. A. (M)
Sharkley, H. B., Jr. (M)
Thomas, B. J. (M)
Thomas, B. J. (M)
Thomas, B. J. (M)
Thomas, R. (A)
Bush, T. K. (M)
Barron, J. I. (M)
Barron, J. I. (M)
Barron, J. I. (M)
Cardy, J. G. (SM)
Carey, J. G. (SM)
Murphy, B. (M)
Ramseey, R. W. (VA)
Winfield, O. M., Jr. (M)

Camp LeJeune (N-CAR-3) Stapleton, G. F. (M)

Candler (NC-W-3) Brown, J. R. (A)

Camboro (NC-E-3) Bell, W. C. (A)

Cary (NC-E-3) Comack, W. J. (M) Dawkins, L. L. (SM)

Chapel Hill (NC-E-3)
Forrest, L. A., Jr. (A)
MacIntyre, A. B. (M)
Thurstone, F. L. (M)
Vilas, J. M. (M)

Charlotte (NC-W-3) Scoggin, W. G., Jr. (A)

Cherry Point (NC-E-3) Welch , C . H . (A)

Clemmons (N-CAR-3) Woodford, M.J.(M)

Davidson (N-CAR-3) McLane, S.B., Jr. (M)

Durham (NC-E-3)
Chenery, P. J. (SM)
Cronin, H. C. (M)
Edwards, F. D. (M)
Fullen, R. E. (A)
George, R. T., Jr. (M)
McKnight, D. R. (M)
Owen, H. A., Jr. (M)
Perry, W. T., Jr. (M)
Seeley, W. J. (SM)
Tasiley, R. C. (M)
Vall, C. R. (SM)
Young, D. B. (M) Young, D. B. (M)

Elizabethtown (NC-E-3) Baird , J . W . (A)

Elon College (N-CAR-3) Baynard, J. S., Jr. (M) Berryman, J. W. (M)

Farmville (N-CAR-3) Thome, M. G. (A)

Fort Bragg (N-CAR-3) Megna, J. J. (M) Robitson, J. H., Jr. (M) Saunders, R. G. (M) Walker, B. (M)

Gastonia (NC-W-3) Huffstetler, J. P. (M)

Germanton (N-CAR-3) Long, E.S.(A)

Goldsboro (NC-E-3) dsboro (NC-E-3)
Hansen, R. L. (M)
Hlcks, J. M. (M)
Hlggins, J. T. (A)
Page, D. W. (M)
Trueblood, D. B. (M)

Graham (N-CAR-3)
Abbott, J. D. (M)
James, H. C. (SM)
Jones, F. D. (M)
Miller, A. R. (A)
Pope, M. G. (M)
Rountree, R. H. (M)

Pope, M. G. (M)
Rountree, R. H. (M)
Greensboro (N-CAR-3)
Adams, T. N. (M)
Altkenhend, J. (M)
Altkenhend, J. (M)
Altheson, S. E. (M)
Bescherer, E. A. (S M)
Best, R. H. (M)
Besterer, E. A. (S M)
Besterer, G. (M)
Boatenreiter, W. K. (M)
Boatenreiter, W. K. (M)
Boatenreiter, W. J. (M)
Coole, R. P. Jr. (M)
Coordsen, J. F., Jr. (M)
Gardiner, J. G. (S M)
Hambright, W. A. Jr. (M)
Joseph, F. T. (M)
Lupton, C. C. (A)
Manning, G. B. (M)
Marteena, J. M. (M)
Morros, J. E. (A)
Morris, R. E. (M)
Porter, G. R. (M)
Stafford, O. C. (M)
Stanton, G. L. (S M)
Stanton, G. L. (S M)
Stanton, G. L. (S M)
Stanton, G. C. (M)
Wilder, G. R. (M)

Greenville (NC-E-3)
Behr, L. V. D. P. (A)

Guilford (N-CAR-3) Hurt, C. V. (M) Thompson, F. E. (M)

Hamlet (NC-W-3) Drescher, N.W., Jr. (A)

Havelock (NC-E-3) Lindeman, W. D. (A)

Hendersonville (NC-W-3)
Hawks, J. D. (M)
Hoots, L. C. (M)
Howell, E. K. (M)
Jones, H. T. (A)
Kelley, H. P., Jr. (M)
Nuckolls, J. A. (M)

Hickory (NC-W-3) Long , T. E. (A) Roberts , W. L. (A)

High Point (N-CAR-3)
Blvins, J. F. (SM)
Cherry, W. H., Jr. (M)
Mingia, S. L. (M)
Portaro, S. A. (M) Tolley, F. N. (M)

Jacksonville (NC-E-3) McLendon, J. T., Jr. (A)

Jamestown (N-CAR-3) Caldwell, D. J. (SM) Moore, R. L. (M)

Kannapolis (NC-W-3) Shaver, J. L., Jr. (A)

Kernersville (N-CAR-3) Farrington, O. M. (M)

Kinston (NC-E-3) Hurt, A.B., Jr. (M)

Laurinburg (NC-E-3) Philips, G. W. (A)

Lexington (NC-W-3) York, R.E. (M)

Liberty (N-CAR-3) Wolfgang, W. W. (M)

Lincolnton (NC-W-3) Peeler, D. D. (M)

Manteo (VIR-3) Shannon, B. F. (M)

Marion (N-CAR-3) Dowdle, J. F. (M)

Mount Airy (N-CAR-3) Epperson, R. H. (A)

New Bern (NC-E-3) Haire, B. G. (M)

Pfafftown (N-CAR+3) Garrison, W. H. (M)

Partitown (N-CAR-3)
Garlson, W. H. (M)

Raleigh (NC-E-3)
Baldwin, C. M., Jr. (M)
Barclay, W. J. (SM)
Bell, N. R. (SM)
Bell, N. R. (SM)
Belk, J. H. (M)
Buck, J. H. (M)
Colvert, F. T. (A)
Combs, R. G. (M)
Coms, R. B. (M)
Duncan, V. D. (M)
Higli, J. S., II (M)
Higgins, J. F. (A)
Hill, J. S., II (M)
Hodeley, G. B. (SM)
Home, W. H., III (M)
Hullck, H., Jr. (SM)
Idol, C. A. (M)
Mones, J. F. (A)
Kahn, S. H. (M)
Kern, W. J. (M)
Manning, E. G. (M)
More, C. H. (M)
Mett, C. (SM)
More, C. H. (M)
Parkin, H. C. (A)
Robbstein, R. I. (A)
Seay, R. T. (A)
Sinoo, W. B. (A)
Thompson, H. W. , Jr. (M)
Thompson, H. W. , Jr. (M)
Voss, C. H. , Jr. (M) Thompson, H. W., Jr. (M) Voss, C. H., Jr. (M) Weinberg, D. I. (M)

Rural Hall (N-CAR-3) Helms, C. M. (M)

Sanford (NC-E-3) Buchanan, T. B. (A)

Statesville (NC-W-3) Poole, Z. V. (M)

Thomasville (N-CAR-3) Ward, D. L. (M) Trinity (N-CAR-3) Hill, K. R. (A)

Warsaw (NC-E-3) Scott, C. S. (A)

Waynesville (N-CAR-3) Reece, C. J., Jr. (M)

Weaverville (NC-W-3) Kennedy, C. L., Jr. (A)

Wendell (NC-E-3) Todd, M. C. (M)

Westfield (N-CAR-3) Locke, R. V., Jr. (A)

Wilmington (NC-E-3) Peebles, N. A. (M)

Peebles, N. A. (M)

Peebles, N. A. (M)

Winston-Salem (N-CAR-3)

Adams, J. E. (M)

Adams, J. E. (M)

Adkin, S. F. L., Jr. (M)

Adkin, S. F. L., Jr. (M)

Amend, R. N. (M)

Anderson, F. B. (SM)

Apolegate, I. D. (SM)

Balty, A. C., Jr. (M)

Balty, A. C., Jr. (M)

Bartet, H. A., Jr. (A)

Beach, O. R. (M)

Berton, A. (M)

Berton, A. (M)

Berton, A. (M)

Berton, A. (M)

Berton, J. (M)

Berton, J. (M)

Berton, J. (M)

Berton, C. E. (M)

Berton, J. (M)

Carlotel, M. E. (M)

Carlotel, M. E. (M)

Carlotel, M. E. (M)

Carlotel, M. C. (M)

Caskey, L. F. (M)

Clabough, E. M. (A)

Clabough, E. M. (A)

Clabough, F. M. (M)

Climer, F. A. (M)

Coan, J. O., Jr. (A) Coan, J. O., Jr. (A)

Cockrell, H. H., Jr. (M)
Coomen, J. J. (M)
Corneman, R. C. (SM)
Corn, M. (A)
Cornett, L. A. (A)
Cottell, B. P. (SM)
Cox, C. W. (M)
Craddock, G. L. (M)
Dague, G. I. (A)
Dearing, M. (A)
Eberhart, E. K. (SM)
Eberhart, E. K. (SM)
Edwards, G. W. (M)
Eidson, H. G., Jr. (A)
Eperson, J. P. (M)
Estes, F. B. (VA)
Evans, W. A., Jr. (M)
Eving, C. E. (M)
Farrell, R. B. (SM)
Feeney, C. J. (A)
Fisher, R. W. (MO)
Fowler, J. O. (M)
Fox, E. D. (M)
Genenheimer, W. C. (SM)
Genenheimer, W. C. (SM)
Genenheimer, W. C. (SM)
Hanks, W. R. (M)
Hanks, W. R. (M)
Heard, B. E. (M)
Hedrick, P. F. (SM)
Hedrick, P. F. (SM)
Herb, J. W. (M)
Hill, G. V. (SM)
Hopper, F. L. (SW)
Hoole, C. R. (M)
Hoore, R. R. (A)
Hollon, R. R. (A)
Hollon,

Tanner, T. B. (M)
Therlot, E. J. (M)
Torres, F. B., Jr. (M)
Tyack, L. C. (SM)
Vance, R. L. (SM)
Vance, R. L. (SM)
Van Doeren, C. A. (M)
Voorhees, H. A. (M)
Wall, R. D. C. (M)
Ward, C. D., Sr. (A)
Ward, C. D., Sr. (A)
Wards, H. W. (M)
Wescott, J. C. (A)
Wiltstrom, D. E. (A)
Wiltstrom, D. E. (A)
Wiltson, R. B. (M)
Zammit, J. F. (M)

NORTH DAKDTA

Bismarck (TC-5) Nelson, I. (M) Vavra, H. G. (M)

Dickinson (TC-5) Linster, J. J., Jr. (A)

Edgeley (TC-5) Meyer, L. L. (M)

Fargo (TC-5)
Anderson, E. M. (M)
Anderson, E. G. (SM)
Anderson, G. G. (M)
Foerster, A. C. (A)

Hetland, J. M. (VA) Hoaby, E. A. (M) Miller, V. D. (M) Peterson, D. E. (M)

Grand Forks (TC-5) Brown, G. M. (M)
Koontz, C. H. (A)
Price, J. E. (A)
Scheibe, P. O. (M)
Sciulli, J. E. (M)
Thomforde, C. (M)

Minot (TC-5) Haeusler, H. (A) Main, J. F. (A)

Pembina (TC-5) Camann, R. F. (A)

Valley City (TC-5) Amoo, L. R. (M)

OHIO

Ada (TOL-4) Geyer, M.A. (M) Klingenberger, J. L. (M)

Akron (AKR-4) Arkwright, L. P. (A)
Baker, E. E. , Jr. (M)
Batcher, K. E. (M)
Batcher, K. E. (M)
Batcher, K. F. (M)
Batcher, K. F. (M)
Bentley, D. E. (A)
Berkey, R. H. (A)
Blumenthal, L. J. (M)
Bock, E. D. (A)
Bose, E. B. (M)
Bosomworth, G. P. (F)
Bowman, B. M. (M)
Bosomworth, G. P. (F)
Bowman, B. M. (M)
Brown, S. E. (A)
Buxton, A. C. (SM)
Caulkins, F. A. (M)
Clocca, F. J. (M)
Cook, E. E. (M)
Cook, E. E. (M)
Cook, E. E. (M)
Cook, E. E. (M)
Caulkins, F. A. (M)
Froman, J. A. (M)
Crano, C. A. (A)
Dishon, C. S. (M)
Fores, D. F. (M)
Forenan, C. W. (SM)
Forman, H. L. (A)
Gibson, C. O. (A)
Grant, D. (M)
Grant, D. (M)
Grant, D. (M)
Grant, D. (M)
Forman, H. L. (A)
Bleson, C. O. (A)
Grant, D. (M)
Grant, D. (M)
Forman, H. L. (A)
Forman, Hegbar, H. R. (F)
Hellmann, C. S. (SM)
Higglns, R. B. (M)
Hlatky, M. G. (M)
Hoffman, R. L. (M)
Holler, J. R. (SM)
Homa, G. D. (M) Homa, G.D. (M)
Horowitz, M. (SM)
Huber, J. C., Jr. (M)
Iffland, H. L. (A)
Jonard, H. A. (M)
Jubin, T. A. (M)
Kanls, E. J. (A)
Kime, J. M. (M)
Koopp, I. L. (M)
Koelker, R. L. (M)
Kostolansky, V. A. (M)
Lee, W. C. (A)
Lee, W. C. (A)

Leibowitz, S. (M)

Le Way, W. E. (M)
Link, T. V. (M)
Link, T. V. (M)
McGarty, J. R. (A)
McGarty, J. R. (A)
McGoln, K. H. (M)
McMahon, W. D. (SM)
Nank, W. A. (SM)
Nerhood, H. E. (A)
Oplinger, J. N. (A)
Paden, H. R. (M)
Page, F. G. (M)
Redmond, J. F. (M)
Redmond, J. F. (M)
Roberts, L. H. (M)
Rybum, P. W. (M)
Sager, J. R. (M)
Sager, J. R. (M)
Sicherl, C. R. (A)
Shively, H. G. (M)
Shoemaker, J. R. (SM)
Sitcherl, C. R. (A)
Silthama, H. G. (SM)
Smith, P. C. (SM)
Stelgerwalt, O. (M)
Strang, J. R. (SM)
Stelgerwalt, O. (M)
Tanenhaus, A. M. (SM)
Temple, T. W. (A)
Van Buskirk, W. J. (A)
Vanghar, W. R. (M)
Watkins, W. H. (M)
Welyshelmer, W. E. (A)
Weyrick, R. C. (M)
Winkler, M. A. (SM)
G. E. (M)
Ziegler, K. O., Jr. (A)

Alliance (AKR-4) Foulks, E. D. (M) Smith, A. E. (A)

Amlin (COL-4) Rife, W. E. (SM)

Arcanum (DAY-4) Weber, S.E. (M)

Ashtabula (ERI-4) Micksch, J. E. (A)

Athens (COL-4) Bjerre, P. (M) Carnes, R. C. (M) Cartland, F. W. (M)

Atwater (AKR-4) Mellander, W.C. (M)

Avon Lake (CLE-4) Coffe, S. A. (M) Dobosy, J. F. (SM) Ramaley, C. W. (M)

Barberton (AKR-4) Derton (AKR-4)
Austin, A.O. (F)
Dorsey, J. T. (M)
Kane, C. G., Jr. (M)
Kelley, J. B. (M)
Klever, W. O. (A)
Miller, D. A. (M)
Whitchurch, N. E. (M)

Barnesville (PIT-4) Graves, D. C. (A)

Bay Village (CLE-4) Didinger, G. H., Jr. Friswold, F. A. (M) Harmon, J. L. (M) Smith, T. H. (SM) Smith, C. W. (A) (M) Wozniak, A. J. (M)

Beachwood (CLE-4) Ulmer, R. M. (I

Bedford (CLE-4)
Jerome, W. R. (VA)
Kessler, J. C. (A)
Washko, F. H. (M)

Bellbrook (DAY-4) Brown, W. C. (M) Carpantier, V. J. (SM) Cunningham, R. F. (SM) Ludwig, G. L. (M)

Bellefontaine (TOL-4) Bridges, B. D. (A) Conner, B. C. (M) Wallace, H. L. (A)

Beipre (PIT-4) Gottlieb, B. (A)

Berea (CLE-4) Blackman, C. P. (SM) Crozier, R. W. (A) Epperson, J. B. (F) Sanderson, R. B. (A) Simmons, R. A. (A)

Bexley (COL-4) Brooke, E. F. (M) Wilcox, C. R. (M)

Edens, S. V. (M)

Bluffton (TOL-4) Triplett, M. M. (M) Triplett, W. R. (M)

Boardman (AKR-4) Dustman, H. C. (M)

Bowling Green (TDL-4) Synnamon, J. H. (M)

Brecksville (CLE-4)
Butler, A. H. (M)
Csensich, J. E. (A)
Cull, R. R. (M)
Beunk, R. K. (A)
Dietrich, J. W. (A)
Hopwood, A. M., Jr. (VA)
La Moreaux, D. D. (A)
Lippert, G. R. (SM)
Nace, A. S. (SM)
Roeger, R. E. (M)
Smith, C. E. (F)
Stadig, S. V. (M)
Ulrich, J. F. (SM)
Weaver, J. H. (M) Weaver, J. H. (M)

Brewster (AKR-4) Ward, L.D. (A)

Brooklyn (CLE-4)
Andrews, F. C. (A)
Lutke, T. A. (A)
Wood, R. M. (M)

Brookville (DAY-4) King, H.B. (SM)

Burton (CLE-4) Bogas, J. (A)

Campbell (AKR-4) Klimko, C. A. (A)

Canton (AKR-4)
Amold, E. N. (SM)
Beckerman, L. M. (M)
Burtner, R. L. (SM)
Duff, J. E. (M)
Fehn, F. P., Sr. (M)
Jameson, W. B. (A)
Koenig, J. (M)
Leist, L. G. (M)
Naylor, J. T. (A)
Sole, A. R. (A)
Walker, N. S. (VA)

Castalia (CLE-4) Fabik, R. H. (A)

Centerville (DAY-4)
Gulden, E. V. (SM)
Meyer, G. B. (M)
Palmer, A. F. (M)
Rench, C. F. (M)
Rineer, I. (A)
Wehrman, R. B. (A)

Chagrin Falls (CLE-4)
Berlincourt, D. A. (M)
Bird, J. R. (SM)
Dornbos, L. J. (M)
Fisher, H. F. (VA)
Gehman, J. B. (M)
Hartel, R. R. (M)
McConnell, H. M. (M)
Saint-Amour, J. D. (A)
Shields, E. T. (A)
Streater, J. W. (M)

Chesterland (CLE-4) Sallach, M. E. (SM)

Cheviot (CIN-4) Spinner, L. N. (M)

Chillicothe (CIN-4) Hanson, M. L. (SM)

ncinnati (CIN-4)
Adams, M. M. (M)
Adams, M. M. (M)
Anrends, S. W. (M)
Apgar, R. R., Jr. (M)
Ashman, A. B. (M)
Ashman, A. B. (M)
Ashman, A. B. (M)
Bain, S. J. (M)
Bain, S. J. (M)
Bain, S. J. (M)
Bass, H. (SM)
Bass, L. (SM)
Bass, L. (SM)
Bass, L. (SM)
Baser, H. A. (M)
Baylor, A. D. (SM)
Berberlch, R. J. (A)
Berberlch, R. J. (A)
Berosco, F. E. (M)
Bemhard, C. J. (A)
Besoo, F. E. (M)
Blair, D. (M)
Blair, D. (M)
Blair, S. (M)
Bopp, C. (SM) Cincinnati (CIN-4)

Borgstrom, J. H. (M)
Bowling, J. C. (M)
Breuning, J. C. (M)
Breuning, W. H. (M)
Bries, W. F. (M)
Brouse, H. L. (SM)
Brown, H. K. (M)
Brown, H. K. (M)
Brown, H. K. (M)
Brown, H. K. (M)
Brown, H. E. (M)
Buden, D. (M)
Burner, G. J. (M)
Catahan, D. A. (M)
Catahan, D. A. (M)
Catahan, D. A. (M)
Catahan, D. A. (M)
Catomissino, F. J. (M)
Campbell, R. D. (M)
Caromosino, F. J. (M)
Caroson, R. E. (A)
Campeter, C. P. (SM)
Caron, R. E. (A)
Caron, R. E. (A)
Caron, R. E. (A)
Corbo, R. B. (A)
Coblo, R. B. (A)
Coblo, R. B. (A)
Coblo, R. B. (A)
Coblo, R. B. (M)
Conlins, J. T. (A)
Cook, H. L. Jr. (M)
Conok, H. L. Jr. (M)
Cook, H. L. Jr. (M)
Cook, H. L. Jr. (M)
Cook, H. (M)
Cook, H. Jr. (M)
Co Englert, R. W. (A)
Fenstermacher, A. L. (M)
Fenstermacher, A. L. (M)
Ficek, J. A. (M)
Finnigan, C. W. (SM)
Fisher, B. W. (M)
Fisher, B. W. (M)
Forman, H. R. (A)
French, B. V. K. (SM)
Fromm, K. N. (M)
Frommer, J. C. (SM)
Garvin, C. W. (A)
Gerling, M. C. (SM)
Gelick, G. H. (SM)
Gelick, G. H. (SM)
Geick, G. H. (SM)
George, P. H. (A)
Georger, L. J. (M)
Gieringer, C. K. (SM)
Graves, J. A. (M)
Gray, C. E. (M)
Gray, C. E. (M)
Gray, C. E. (M)
Grosse, R. A. (A)
Griffin, W. H. (A)
Grosse, R. H. (M)
Grosse, R. M. (M)
Grove, H. M. (M)
Grove, H. M. (M)
Grove, H. M. (M)
Hachnie, C. G. (SM)
Hamilton, F. A. (M)
Harter, W. W. (M)
Harter, W. R. (M)
Harter, W. R. (M)
Headley, H. N. (M)
Headley, H. N. (M)
Headley, H. N. (M)
Headley, H. N. (M)
Heising, C. R. (M) Headley, H. N. (M)
Heackman, H. T. (SM)
Heckman, H. T. (SM)
Heinzelman, G. J. (M)
Heising, C. R. (M)
Heising, C. R. (M)
Heilen, R. J. (M)
Hellen, R. J. (M)
Helmer, R. J. (M)
Hemtz, E. G. (A)
Herrin, C. B. (M)
High, R. A. (M)
High, R. A. (M)
Hosan, C. M. (SM)
Hosan, C. M. (SM)
Hosan, C. M. (SM)
Hosan, C. M. (SM)
Hosan, C. M. (M)
Hustrand, B. E. (M)
Humphrey, W. R. (M)
Humphrey, W. R. (M)
Johnson, Y. (M)
Johnson, W. C. (M)
Johnson, W. C. (M)
Johnson, C. (M)
Keneer, J. C. (SM)
Keeneey, D. E. (M)
Kelling, D. G. (M)
Kelling, D. G. (M)
Kelling, D. G. (M)
Kerbulas, A. T. (M)
Kibby, J. R. (A)
Kidwell, E. W., Jr. (SM)
Kiss, J. S. (M)
King, F. W., Jr. (SM)
Kiss, J. S. (M)
Kilne, A. J. (M)

Knoblaugh, A. F. (F)
Kober, C. L. (SM)
Krodey, J. L. (M)
Krodey, J. L. (M)
Krodey, J. L. (M)
Lambert, P. (SM)
Lambert, P. (SM)
Lambert, V. L. (M)
Lawall, R. M. (M)
Lehnnorf, C. W. (M)
Lordar, P. W. (M)
Lordar, P. W. (M)
Lordar, P. W. (M)
Lordar, P. W. (M)
Loutzenhiser, C. F. (M)
Lundgren, C. W., Jr. (M)
Marish, C. J. (M)
Marish, J. W. (F)
Mast, C. E. (M)
McDermott, E. P. (M)
McDermott, E. M. (M)
Miller, R. W. (M)
Montopomery, W. D. (S M)
Noveron, C. W. (M)
Nov

Van Den Berg, W. J. (A)
Vandoch, S. C. (A)
Vandoch, S. C. (A)
Van Valkenburg, H. M. (A)
Verkley, B. M. (M)
Weaver, C. W. (M)
Weder, C. E. (M)
Wedler, F. L. Jr., (SM)
Weller, C. E. (A)
Westerlund, K. I. K. (M)
Westerlund, K. I. K. (M)
Westerlund, K. I. K. (M)
Wiser, J. M. (M)
Williamson, G. F. (M)
Williamson, G. F. (M)
Williamson, G. F. (M)
Williamson, H. J. (A)
Wilson, J. W. (M)
Wison, J. W. (M)
Wison, J. W. (M)
Woodcock, C. A. (M)
Wyzenbeek, A. (A)
Yancey, W. D. (M)
Yancey, W. D. (M)
Yarbrough, H. B. (M)
Yee, D. K. (M)
Young, J. D., K. (M)
Zlimoy, L. R. (SM)
Zoerner, J. R. (M)

Clayton (DAY-4) Archer, R. F. (A)

Cleveland (CLE-4) veland (CLE-4)
Ackerman, E. K. (SM)
Allen, D. P. (M)
Allen, D. P. (M)
Allen, D. P. (M)
Allen, D. P. (M)
Anderson, C. R. (M)
Anderson, C. R. (M)
Anderson, F. D. (A)
Amdt, J. P. (SM)
Begun, S. J. (F)
Begun, S. J. (F)
Begun, S. J. (F)
Bletcher, A. L. (M)
Blue, T. F., Jr. (M)
Bolz, R. W. (SM)
Brigos, R. F. (M)
Brigos, R. F. (M)
Brincka, J. J. (M)
Buchans, R. F. (M)
Burhans, R. W. (A)
Busher, R. E. (M)
Caskey, H. B. (M)
Caskey, H. B. (M)
Caskey, H. B. (M)
Caskey, H. B. (M)
Chang, J. (A)
Chase, W. H. (SM)
Chaerian, R. (M)
Corows, H. (M)
Cunninsham, J. (A)
Curran, D. R. (SM)
Dambach, R. R. (SM)
Dambach, R. R. (SM)
Dambach, R. A. (SM)
Danbach, R. A. (SM)
Danberdy, S. E. (M)
Dittenberger, R. J. (A)
Dittoe, R. E. J. (M)
Dittenberger, R. J. (M)
Frankel, B. L. (M)
George, E. W. (A)
George, E. W. (A)
Goodman, A. M. (M)
Granger, L. V. (M)
Gross, I. (M)
Gross, I. (M)
Gross, I. (M)
Gross, J. (M)
Humphrey, A. J. (M)
Harrison, M. A. (M)
Heller, H. H. (SM)
Helder, H. H. (SM)
Helder, H. H. (SM)
Horder, A. J. (M)
Harrison, M. A. (M)
Holeftery, E. L. (A)
Humphrey, A. J. (M)
Harrison, M. A. (M)
Harrison, M. C. Lewis, A. M. (M)
Little, P. (A)
Louis, W. B. (M)
Louis, W. B. (M)
Ludwig, S. (M)
Ludwig, S. (M)
Ludwig, S. (M)
Lump, A. (M)
Lynch, T. E. (M)
Maclag, E. L. (A)
Lynch, T. E. (M)
Malercal, J. V. (M)
Malercal, J. V. (M)
Malercal, J. V. (M)
Martin, E. E. (M)
McCollister, D. R. (M)
McCollister, D. R. (M)
McComick, J. R. (M)
Middeton, A. E. (M)
Misek, A. E. (M)
Misek, A. E. (M)
Myers, J. F. (M)
Naylor, A. F. (M)
Naylor, A. F. (M)
Naylor, A. F. (M)
Naylor, A. F. (M)
Newborg, D. S. (M)
Niman, J. K. (M)
Oestermeyer, C. F. (A)
O'Heam, W. F., Jr. (A)
Pearson, D. M. (M)
Pettus, R. (A)
Piwonka, W. G. (M)
Pialsted, R. J. (M)
Pialsted, R. J. (M)
Praglin, J. (M)
Praglin, J. (M)
Praglin, J. (M)
Praglin, J. (M)
Rea, J. K. (A)
Renerth, G. R. (M)
Rittenlouse, J. W. (SM)
Rittenlouse, J. W. (SM)
Rittenlouse, J. W. (SM)
Rittenlouse, J. W. (SM)
Reders, R. C. (M)
Salnt-Amour, P. M. (A)
Saltzer, C. (M)
Saltzer, C. (M)
Saltzer, C. (M)
Shenzer, R. L. (M)
Sheetty, J. J. (M)
Shepherd, B. R. (M)
Sheetty, J. J. (M)
Shepherd, B. R. (M)
Sheetty, J. J. (M)
Nonas, G. E. (M)
Till, W. C. (M)
Tomanocy, J. A. (M)
Ugucchi, D. W. (M)
Varady, D. J. (M)
Varady, D. J. (M)
West, S. S. (M)
Wise, D. S. (SM)
Zelle, J. F. (SM)
Zelle, J. F. (SM)

Zelle, J. F. (SM)

Cleveland Helights (CLE-4)
David, B. W. (SM)
Germano, C. P. (SM)
Gibson, J. L. (M)
Hooper, J. R., Jr. (M)
Hudson, A. E. (M)
Livsey, R. A. (M)
Mainney, J. M. (M)
Mainney, T. C. (M)
Martin, J. R. (M)
Newman, H. B. (M)
Palmer, P. D. (A)
Plerce, D. E. (A)
Scott, E. P. (M)
Tame, J. S. (M)

Clinton (CDL-4) Shaklee, F. S. (M)

Columbus (COL-4)
Adachl, S. (M)
Anthony, G. E. (M)
Anthony, G. E. (M)
Anthony, G. E. (M)
Austen, B. G. (M)
Austen, A. T. (A)
Bacon, J. (M)
Baeumler, H. W. (M)
Bailey, R. J. (A)
Batholetti, F. E. (M)
Bauer, W. (M)
Beer, A. C. (M)
Bensema, W. D. (M)
Bishop, A. B., III (M)
Blake, R. E. (M)
Blessing, H. L. (M)
Boohnker, C. H. (A)
Bohannan, R. C. (M)

Boone, E. M., (F)
Bornhorst, K. F. (M)
Boyers, J. S. (SM)
Bulman, W. E., (SM)
Burns, W. R., (M)
Butterworth, G. S., (M)
Campbell, R. M., (M)
Casto, A. E., (M)
Clapman, C. M., (M)
Chope, H. R. (SM)
Chope, W. E., (SM)
Clore, W. R., (SM)
Clore, W. R., (M)
Coneland, J. R., (M)
Cooreland, J. R., (M)
Cooreland, J. R., (M)
Cooreland, J. R., (M)
Crone, W. R., (M)
Crone, W. R., (M)
Crone, W. R., (M)
Crone, W. F., (M)
Dawlors, H. N., (SM)
Dawls, B. D., (M)
Dawls, B. D., (M)
Dawls, B. D., (M)
Dawls, B. D., (M)
Dawls, J. R., (A)
Easterday, J. L., (M)
Eastwood, W. J., (A)
Ebert, D. H., (M)
Elter, W. F., (A)
Eltis, R. E., (A)
Eltis, R. E., (A)
Eltis, R. E., (A)
Eltis, R., (M)
Gard, W. J., (M)
Francisco, G. E., J., (M)
Franci

Peters, L., Jr. (A)
Plerzchala, L. C. (M)
Plerzchala, L. C. (M)
Plerz P. M. (M)
Porter, E. M. (A)
Querldo, H. B. (M)
Reed, T. W. (M)
Rick, D. R. (M)
Reed, T. W. (M)
Rick, D. R. (M)
Rosol, G. L. (M)
Ryan, J. F. (M)
Ryan, J. F. (M)
Ryan, P. A. (M)
Schulman, B. L. (M)
Scheffler, H. S. (M)
Scheffler, H. S. (M)
Scholl, F. (M)
Scholl, F. (M)
Schark, K. E. (M)
Schark, K. E. (M)
Shark, K. E. (M)
Shark, K. E. (M)
Stapro, A. F. (M)
Stapro, A. C. (M)
Totuchar, R. P. (M)
Troyan, J. F. (A)
Truyan, J. F. (A)
Welder, F. C. (SM)
Welder, F. C. (SM)
Welder, F. C. (SM)
Welder, F. C. (SM)
Weller, F. C. (SM)

Conneaut (ERI-1)
Dvorsky, A. L. (M)
Freldner, G.E. (A)
Keskinen, A. R. (SM)
Morrell, G. A., Jr. (M)
Piller, S. (SM)
Ryan, W. J. (A)

Ryan, W. J. (A)

Cuyahoga Falls (AKR-4)

Bachtell, R. S. (M)

Burke, J. T. (SM)

Buyrak, G. R. (M)

Caclopop, A. J. (M)

Chuma, N. (A)

Cobbs, E. R. (A)

Crosley, E. W., Jr. (M)

Davis, H. P. (M)

Diamantides, N. D. (M)

Dills, R. S. (M)

Evans, D. C. (M)

Flowers, H. L. (SM)

Frordman, C. E. (M)

Greene, H. R. (SM)

Guthrle, F. W. (M)

Hellman, B. H. (A)

Hermann, P. J. (SM)

Heydorn, R. P. (M)

Howitz, G. (A)

Ingalls, R. S. (M)

Klerstead, F. H. Jr. (M)

Klerstead, F. H. Jr. (M)

Kutt, M. L. (SM)

Lanler, H. F. (SM)

Maxomell, D. W. (A)

McCauley, C. Jr. (M)

Meneley, C. A. (SM)

Miller, R. F. (M)

Miller, W. W. (A)

Morrill, C. D. (SM)

Diseen, E. E. (A)

Robinson, G. E. (M)

Shalk, K. F. (SM)

Toman, W. J. V. (M)

Tracky, T. J. R. (M)

Tratko, J. M. (A)

Turna, W. S. (M)

Vochelson, S. (M)

Dayton (DAY-4)
Adams, E. L. (SM)
Adams, B. R. (M)
Adams, B. R. (M)
Aleo, J. (M)
Aleo, J. (M)
Aleo, J. (M)
Allen, F. W. (A)
Allen, K. D. (A)
Althouse, J. M. (SM)
Amhein, O. C. (M)
Anderson, J. R. (A)
Andrew, G. W. (SM)
Auglin, D. (M)

Apel, C. K. (M)
Arensteln, G. H. (SM)
Arensteln, G. H. (SM)
Arment, Z. R. (A)
Ashby, G. L. (M)
Bahret, W. F. (M)
Bahret, W. F. (M)
Ballard, J. W. (SM)
Ballard, J. W. (SM)
Barker, J. I. (M)
Barker, J. I. (M)
Barker, J. I. (M)
Barker, J. I. (M)
Barker, J. I. (A)
Bender, D. L. (A)
Bender, D. L. (A)
Bender, D. L. (A)
Bilater, M. (SM)
Boone, G. R. (M)
Boone, G. R. (M)
Boone, J. V. (M)
Boodeker, H. F. (M)
Boodeker, J. F. (M)
Boodeker, J. R. (M)
Boone, J. V. (M)
Boodeker, J. R. (M)
Brown, D. E. (M)
Brown, C. R. (J)
Brown, D. E. (M)
Brown, C. R. (J)
Brown, D. E. (M)
Brown, D. E. (M)
Brown, D. E. (M)
Brown, C. R. (J)
Brown, D. E. (M)
Brown, C. R. (J)
Brown, D. E. (M)
Brown, D. E. (M)
Brown, C. R. (J)
Brown, D. E. (M)
Brown, D. E. (M)
Brown, C. R. (J)
Brown, D. E. (M)
Carthonneaux, W. A. (SM)
Charlot, J. B. (M)
Clark, A. D. (M)
Clark, A. D. (M)
Clark, P. H. (SM)
Combs, J. A. (M)
Decker, E. E. (M)
Decker, C. C. (SM)
Elan, W. J. (SM)
Fallower, J. J. (M)
Fal

Franklin, C. S. (SM)
Frederick, D. E. (M)
Friederick, D. E. (M)
Gauvey, M. P. (M)
Georgi, J. P. (M)
Georgi, J. P. (M)
Georgi, J. P. (M)
Georgia, A. (M)
Georgia, A. (M)
Georgia, A. (M)
Georgia, A. (M)
Gibson, J. D. S. (M)
Gilibert, D. F. (SM)
Gilan, G. (SM)
Gildewell, J. J. (M)
Golf, R. L. (SM)
Goldman, C. C. (M)
Goldman, C. C. (M)
Goldman, C. C. (M)
Goldman, C. C. (M)
Goldman, C. (SM)
Granzow, D. B. (M)
Graebner, M. S. J. (M)
Graebner, M. S. J. (M)
Graebner, M. S. J. (M)
Graebner, B. (M)
Griffing, B. L. (SM)
Grimes, W. H. (M)
Gruber, C. W. (M)
Guest, T. W. (A)
Guest, T. W. (A)
Guest, T. W. (A)
Guest, P. D. (SM)
Hanneman, D. A. (M)
Harmon, N. B. (M)
Harmon, P. L. (M)
Harver, R. H. (A)
Hausen, D. K. (M)
Hausen, D. K. (M)
Hausen, D. K. (M)
Hausen, D. K. (M)
Haver, T. J. (SM)
Holoeffer, C. S. (M)
Heldoerfer, C. S. (M)
Herbert, M. B. (M)
Hill, M. A. (M)
Hobstetter, J. (SM)
Holmey, C. W. (A)
Horton, W. L. (SM)
Holmey, J. M. (SM)
Holmey, J. M. (SM)
Holmes, C. W. (A)
Horton, W. L. (SM)
Holmes, C. W. (A)
Horton, R. A. (M)
Huckaby, J. H. (SM)
Holmes, C. W. (M)
Hill, M. A. (M)
Hosteter, L. D. (SM)
Holmer, J. M. (M)
Huckaby, J. H. (M)
Huckaby, J. M. (M)
Huckaby, J. H. (M)
Huckaby, J. H. (M)
Huckaby, J. H. (M)

Long, G. A., Jr. (NB)
Long, R. E. (M)
Long, A. S. (M)
Lumpkin, R. C. (M)
Madill, J. J. (M)
Malimelster, T. G. (M)
Marcus, G. H. (M)
McReillan, K. C. (A)
McCormick, R. E. (SM)
McCleillan, K. C. (A)
McClorellan, K. C. (A)
McLandill, R. J. (A)
McLandill, R. J. (A)
McLennan, M. A. (SM)
McMillan, W. R. (M)
McRae, A. H. (SM)
McMedison, D. A. (A)
Metiger, J. A. (A)
Metiger, J. A. (A)
Metiger, J. E. (M)
Midoley, V. E. (A)
Miller, J. E. (M)
Miller, J. E. (M)
Mirsky, M. M. (M)
Mirsky, M. M. (M)
Mirsky, M. M. (M)
Moraff, H. (M)
Moord, J. F. (A)
Moore, J. M, (M)
Moraff, H. (M)
Moraff, H. (M)
Moraff, N. (M)
Morer, D. F. (SM)
Mumma, R. E. (SM)
Myers, R. P. (M)
Netherwood, D. B. (M)
Nickels, J. L. (M)
Notestine, D. D. (M)
Notestine, D. D. (M)
Notestine, D. D. (M)
Nober, A. P. (M)
Pasek, J. (A)
Perdzock, R. C. (M)
Parker, A. P. (M)
Pasek, J. (A)
Perdzock, R. C. (M)
Peters, A. L. (SM)
Pippenger, C. R. (M)
Pitinsky, L. (M)
Roschi, J. F. (J. (SM)
Roschiard, C. P. (M)
Roschiard, C. P. (M)
Roschiard, C. P. (M)
Roschiard, C. P. (M)
Roschiard, C. M. (M)
Roschia

Siek, J. R. (A)
Siff, R. G. (A)
Siff, R. G. (A)
Siff, R. G. (A)
Simons, R. A. (M)
Simons, R. A. (M)
Simons, R. A. (M)
Simons, R. A. (M)
Simons, J. E. (M)
Sinder, J. E. (M)
Smith, P. J. C. (M)
Smith, F. L. (M)
Smith, R. J. (A)
Sompher, A. R. (A)
Sompher, A. R. (A)
Sompher, A. R. (A)
Sompher, A. R. (A)
Sompher, A. C. (M)
Speake, A. C. (M)
Stallore, M. J. (SM)
Stallore, M. J. (SM)
Stallore, M. J. (SM)
Stallore, M. J. (SM)
Stallore, M. J. (M)
Stewart, J. C. (M)
Stewart, J. (M)
Stewart, M. E. (SM)
Stolzenbach, R. W. (SM)
Trepitz, Harvey (M)
Thresker, W. E. (M)
Tobles, J. J. (M)
Tobles, J. J. (M)
Warbindt, R. P. (A)
Welser, R. D. (M)
Wilson, C. (SM)
Welser, P. C. (M)
Wilson, C. (SM)
Wilson, D. C. (M)

Defiance (TOL-4) Sherbno, J. C. (A)

Delaware (COL-4) Kreis, R.J. (M) Poast, L.M. (M)

Dover (PIT-4) Petrella, J. L. (A)

Doylestown (AKR-4) Nuss, R.J. (A)

Dublin (COL-4) Tracy, R.C. (M)

East Cleveland (CLE-4)
Corrigan, M.J. (M)
Gardner, R.A. (M)
Kennedy, E.D. (SM)
Serota, R.M. (SM)
Viton, E.J. (M)
Ward, D.C. (M)
White, J.E. (M)

Eastlake (CLE-4) Sawyer, B. (A)

East Liverpool (PIT-4) Ryckman, G.E. (A)

Elmore (TUL-4) Bay, R.J. (A)

Elyria (CLE-4) Finegold, I. (A) Melli, E.J. (A) Steele, E.M. (A)

Enon (DAY~4)
Garman, D.F. (M)
Hornseth, J.P. (M)

Euclid (CLE-4) Hd (CLE-4)
Beaver, A.R. (M)
Beaver, A.R. (M)
Businger, K.A. (M)
Calderhead, H.J. (M)
Elze, R.P. (A)
Louis, J.R. (M)
Murray, J.E. (M)
Nurmi, L.O. (M)
Schanfarber, R. C. (A)
Schunemann, C.F. (SM)
Stevko, P.J., Jr. (M)
Tapo, N.P. (A)
Thompson, R.A. (M)
Wittlinger, H.A. (M)
Wurster, D.E. (M)

Fairborn (DAY-4)
Anderson, R. C. (M)
Archer, C. J. (SM)
Behane, D. (A)
Benson, M.C. (SM)
Bowker, I.H. (A)
Carnahan, K. R. (A)
Crosse, G.S. (A)
De Camp, P.W. (A)
Diavatis, N.D. (A)
Diavatis, N.D. (A)
Dickey, R.S. (M)
Emrick, B.S. (M):
Etheridge, L.R. (M)
Faust, R.L. (M)
Froehner, D.A. (A)
Groszewski, D. J. (M)
Hayes, C.E. (M)
Hines, C.A. (SM)
Hybskmann, V.L. (A)
Ingram, D.B. (M)
Johnson, G.L. (M)
Johnson, G.L. (M)
Kistner, R.L. (A)
Kohlmann, H.P. (M)
Lazur, E. (A)
Lynch, T.M. (M)
Maulka, D.D. (M)
Mayer, I.S. (SM)
McDowell, M.S. (A)
McElroy, G.A. (M)
McIliron, J.R. (M)
Milliron, J.R. (M)
Peterson, L.S. (M)
Pflueger, W.W. (M)
Price, L.R. (M)
Price, L.R. (M)
Price, L.R. (M)
Shankland, D.G. (M)
Shankland, D.G. (M)
Shankland, D.G. (M)
Sinnott, D.J. (M)

Fairview Park (CLE-4) Atkisson, E.A. (M) Hoff, H.B. (M) Nagy, L., Jr. (M) Westbrook, R.D. (M)

Findlay (TOL-4) oflay (TOL-4)
Creighton, G.W. (A)
Daymon, D.W. (M)
Hipskind, G.S. (M)
Lavender, J.S., Jr. (M)
Smith, E.C. (M)
Wells, D.H. (M)

Foster (DAY-4) Porter, J.R. (M)

Franklin (DAY-4) Bryant, V.D. (M)

Fremont (TOL-4)
Leite, R.C. (M)
Noffz, H.C. (M)
Swartzlander, G.W. (M)

Gahanna (COL-4) De Myer, D.L. (M) Mason, W.F. (M) Stropki, G.T. (A)

Galion (AKR-4) Blashfield, W. H. (M) Brenton, G.P. (M)
Crissinger, W.W. (M)
Haferd, F. H. (M)
Kay, H. L. (M)
Moore, C.R. (A)
Murphy, C.E. (M)
Stetler, I. H. (A)
Van Voorhes, A. J. (M)

Garfield Heights (CLE-4) Kurkul, W. (SM)

Gates Mills (CLE-4) Gardiner, R.A. (SM)

Genoa (TOL-4) Spencer, N.K. (M)

Girard (AKR-4) Kramer, R.E. (SM)

Granville (COL-4) Clark, J.V. (M)

Grove City (COL-4) Birk, E. V. (A)

Hamilton (CIN-4)
Deveney, J. D. (A)
Marvin, I. E. (M)
Stein, J. L. (A)
Stump, A. M. (M)
Tushar, H. J. (M)
Wear, J. (M)
Whittington, R. C. (
Willsey, R. H. (M)
Winkeliphann A. (M) Winkeljohann, A. (M)

Hicksville (TOL-4) Applegate, H. E. (S Culler, D. M. (SM) (SM)

Hilliards (COL-4) Burgener, R. C. (A) Thompson, H. E. (A

Holland (TOL-4) Holmes, H. R. (A)

Hubbard (AKR-4) Bang, M.W. (SM)

Huron (CLE-4) Wilber, B. E. (A)

Independence (CLE-4) Jacques, G. E. (SM)

Ironton (CIN-4) Loftis, H. J. (M)

Kent (AKR-4) Dunbar, S. D. (M)
larussi, R. D. (A)
Lewis, D. C. (M)
Mathis, H. F. (SM)
Rymer, R. W. (M)
Wightman, E. E. (M)
Wills, R. H. (M)

Wills, R. H. (M)

Kettering (DAY-4)

Ashley, C. L. (M)

Banta, F. D. (A)

Brothers, A. L., Jr. (M)

Buns, J. H. (M)

Call, S. W. (M)

Desch, J. R. (M)

Gerhard, W. J. (M)

Gerhard, W. J. (M)

Gerty, J. N. (M)

Hogan, J. R. (A)

Jacoby, G. R. (M)

Kinne, R. C. (SM)

Kyle, T. A. (M)

Marshall, C. J. (F)

Moran, J. F., Jr. (M)

Morrison, C. L. (M)

Murray, P. R. (SM)

Nelson, N. A. (SM)

Nordstrom, D. R. (M)

Sample, J. G. (SM)

Strasser, R. A. (M)

Thomas, E. R. (SM)

Waller, J. R. (SM)

Waller, J. C. F., Ill (M)

Willin, W. (M)

Kingston (CIN-4) Leasure, R.B. (M)

Lakewood (CLE-4)
Benkelman, G. F. (SM)
Bremer, E., II (A)
Flack, S. G. (M)
Hamman, G. B. (M)
Hart, C. E. (A)
Keating, D. A. (M)
Mattern, R. M. (M)
Mattern, R. M. (M)
Mounce, C. O. (M)
Seielstad, H. D. (SM)
Iasch, A. (M)
Torsch, C. E. (SM)
Wagner, J. S. (SM)
Webner, R. D. (M)
Wells, M. (M) Lakewood (CLE-4)

Lancaster (COL-4) Christian, H. S. (M) Daubenmire, R. L. (A) Hudson, R. S. (A) Magestro, J. C. (M) Markwood, W. R. (A) Mitchell, J. P. (A)

Lemoyne (TOL-4) Kohler, R. D. (M)

Lima (TOL-4) a (TOL-4)
Demecs, R. S. (A)
Gibbons, J. P. (M)
MACCallum, J. L. (A)
MCIIValne, D. K. (M)
Smith, J. A., Jr. (M)
Swiderski, E. F. (A)

Lisbon (PIT-4) Catanzarite, V. O. (M)

Lockbourne AFB (COL-4) Longino, D. R., Jr. (A) Scherer, G. A. (M) Thomas, O. D., Jr. (A)

Logan (CDL-4) Magle, R. (A)

Lorain (CLE-4) aln (CLE-4)
Gnodell.W.A. (M)
Helsner, D.A. (M)
Herrick, R.H. (SM)
Huge, H. M. (M)
Kauffman, H. C. (M)
Romoser, P. E. (M)
Yarmack, J. E. (SM)

Louisville (AKR-4) Boudler, A. G. (A) Leslie, F. C., Jr. (A)

Loveland (CIN-4) eland (CIN-4)
Hancock, H. E. (SM)
Kleinman, J. M. (M)
Rabe, W. A. (A)
Ryskamp, J. H. (M)
Thomas, J. P. (M) Zwayer, B.E. (M)

Lyndhurst (CLE-4)
Borland, R. P. (M)
Comell, P. M. (A)
Oalasta, F. (M)
Grasson, W., Jr. (M)
O'Gara, J. J. (A)
Semenhuk, M. H. (A)
Spiller, H. A. (M)
Stevens, H. E. (M)

Madeira (CIN-4) Meuleman, R. (SM) Schneider, C. A. (M)

Mansfield (AKR-4) Miller, K. W. (M) Ryan, E. C. (M) Stevens, W. C. (M)

Maple Heights (CLE-4) Hall, W. S. (M)

Marietta (PIT-4) Clark, C. E. (A)

Marion (AKR-4) Davis, J.S., Jr. (M) Jenkins, D.B. (M)

Martins Ferry (PIT-4)
Daubenmeyer, H. L., Jr. (A)

Mason (DAY-4)
Lantzer, F. N. (M)
Raso, F. A. (M)
Rehmann, W. H., Jr. (M)
Van Horn, J. E. (M)

Massition (AKR-4) Burrier, W. O. (A) Kish, J., Jr. (A)

Maumee (TOL-4) Chapman, L. B. (M) Molloy, G. P. (SM)

Mayfield Heights (CLE-4) Karbo, D. J. (M)
Reilly, E. J. (A)
Toncich, S. V. (M)
Yeager, J. R. (M)

Medina (AKR-4) Sharp, J. A. (M)

Medway (DAY-4)
Glancy, C. H. (M)
Gurning, M. E. (A)
Ridenour, P. W. (M)
Soorin, A. J. (M)
Waugh, R. C. (M)

Mentor (CLE-4) Johnson, B. H. (A) Miller, E. D. (M) Wermelskirchen, L. M. (M)

Miamiaburg (DAY-4) Bierley, D. A. (M)

Middletown (CIN-4) Crist , L. S. (A) Milford (CIN-4) Ford (CIN-4)
Bissonette, A. J. (SM)
Davis, T. E. (M)
Marsh, J. H., Jr. (A)

Minerva (AKR-4) Dieringer, W. K. (M)

Mingo Junction (PIT-4) Horvath, S. (A)

Mogadore (AKR-4) Brown, D. L. (M) Hann, D. D. (M) Zeigler, E. S. (A)

Monroeville (CLE-4) Cramer, R. F. (A)

Mount Healthy (CIN-4) Feldman, R. F. (A)

Mount Vernon (COL-4) Woodward, R. O. (M)

Munroe Falls (AKR-4) Nickson, R.W. (A)

Napeoleon (TOL-4) Roessing, E. F. (M)

Newark (COL-4) Keith, R. S. (A) Stevens, T. R. (A)

New Bremen (TOL-4) Jung, D. H. (A) Koeper, J. I. (M)

Newbury (CLE-4) Kragle, R. J. (M)

New Carlisle (DAY-4) Croner, A. J. (M) Jeffers, G. N. (M) Lewis, L. F. (A) Lower, R. (SM) Maxim, W. A. (A)

New Lebanon (DAY-4) Mitchell, J. N., Jr. (A)

Newton Falls (AKR-4) Force, E. (M)

North Canton (AKR-4) th Canton (AKR-4)
Brown, D. L. (M)
Gray, D. W. (M)
Haas, D. L. (SM)
Iller, K. R. (M)
Miller, B. M. (M)
Miller, J. H. (M)
Stahl, M. D. (M)
Wagoner, J. W. (A)
Zunkehr, J. L. (A)
Zurcher, L. A. (SM)

North Olmsted (CLE-4)
Bieda, S. J. (A)
Bossard. G. L. (M)
Dalley, R. (A)
Mutl, H. R. (SM)

North Royalton (CLE-4) Bidlack, C. S. (SM) Braschwitz, H. J. (M) Hulme, W. P. (M) Hukton, W. G. (SM)

Norwood (CIN-4) Brandenburg, P. J. (A) Haverkos, N. P. (M) Sang, W. W. (M)

Oak Harbor (TDL-4) Wott, H.W. (A)

Oakwood (FT-W-5) Colwell, R. E. (SM)

Oberlin (CLE-4) Gilford, S. R. (M) Howe, C. E. (M) Young, M. L. (A)

Olmsted Falls (CLE-4)
Downer, E. W. (M)
Irwin, D. E. (M)
Klinect, R. R. (M)
Shirer, D. J. (M)
Wolfe, A. R. (M)

Oregon (TOL-4) Brown, W. R. (A) Reynolds, F. L. (A)

Ottawa (TOL-4) Goodkin, S. S. (M) Loman, J. A. (M) Schoonover, D. J. (M) Weideman, R. J. (M)

Oxford (CIN-4) MacKinnon, A. J. (A) Teetzel, F. M. (M)

Painesville (CLE-4) Morrison, H. F. (A)

Parma (CLE-4) George, W. C. (SM) Guild, E. G. (A) Hultzman, W. W. (M)

Kyfes, V. (A)
Manning, B. M. (A)
Meder, R. (M)
Schindler, R. W. (M)
Schultz, R. J. (M)
Scott, R. J. (A)
Sommer, R. A. (M)
Wilson, P. H. (A)
Yambor, E. P. (M)

Parma Heights (CLE-4)
Brinkman, H. A. (M)
Ewart, J. M. (M)
Foster, F. A. (A)
Franks, C. V. (M)
Levisay, D. H. (M)

Perrysburg (TOL-4) Griss, C. H. (M)

Phillipsburg (DAY-4) Share, G. E. (SM)

Poland (AKR-4) Everett, T.D.(A) Wallen, A.C.(A)

Portage (TOL-4) Klopfenstein, L. R. (M)

Port Clinton (TDL-4) Morgan, W. O. (A)

Portsmouth (CIN-4)
Davidson, A. P. (M)
Gilmer, R. L. (A)

Ravenna (AKR-4) Braden, W. V. (A) Cory, R. W. (A) Montgomery, W. M. (M)

Reading (CIN-4) Kamm, D. D. (A) Westmark, J. E. (M)

Reynoldsburg (COL-4) Cooper, L. K. (M) Tinkham, H. J. (M)

Rocky River (CLE-4) Byrd, H. F. (A) Keiley, J. J. (M) Stover, F. J., Jr. (M)

Rossford (TOL-4) Perch, D. F. (M)

St. Bernard (CIN-4)

St. Clairsville (PIT-4) St. Clairsville (PIT-4)
Skoff, J., Jr. (A)
Sandusky (CLE-4)
Bertuccio, T. D. (M)
Conlin, H. T. (A)
Derrick, W. A. (M)
Fraser, R. J. (A)
Freybero. I. A. (A) Freyberg, J. A. (A) Hummer, E. W. (A) Kenyon, H. S. (SM) Shumaker, R. (M) Wild, J. H. (SM)

Shaker Heights (CLE-4) ker Heights (CLE-4) Costanzo, P. (M) Dennis, H. (SM) Fields, I. L. (A) Jones, A. F. (A) Keithley, J. F. (SM) Miller, H. J. (M) Pfaff, R. W. (M) Seidman, S. M. (M) White, G. M. (M)

Sharonville (CIN-4)
Gorker, G. E. (A)

Shreve (AKR-4) Mulligan, R. C. (A)

Sidney (TOL-4)
Ulman, W. H. (M)

Silverton (CIN-4) Bert ram, M.A. (A)

South Euclid (CLE-4)
Baskin, R. F. (M)
Di Jullus, J. R., Jr. (A)
Glauberman, L. (M)
Louden, W. C. (M)
Monroe, R. T., Jr. (A)
Peterson, W. V. (M)

Springfield (DAY-4)
Baer, C. E. (SM)
Beedy, R. M. (M)
Bell, A. L. (SM)
Boyer, D. W. (A)
Breen, E. L. (M)
Carey, R. M. (M)
Cunningham, H. W. (A)
Davis, C. R. (M)
Jones, T. G., Jr. (M)
Parker, A. J. (SM)
Pingel, N. D. (M)
Rowe, N. L. (M)
Smith, L. A. (M) Smith, L. A. (M)

Spring valley (DAY-4) Daugherty, D. J. (M) Hearsum, D. R. (M) Horst, W. R. (M)

Steubenville (PIT-4) McFeely, H. H. (SM)

Stow (AKR-4) Stow (AKR-4)
Andresen, G. J. C. (A)
Blocki, W. G. (A)
Fauss, G. C. (A)
Leach, H. Jr. (M)
Strongsville (CLE-4)
Ward, W. L. (M)

Svivania (TOL -4) Myers, D. J. (A) Williams, R. B., Jr. (M)

Tallmadge (AKR-4)
Baggerman, G.L. (SM)
Farnsworth, N. B. (M) Folk, V. O. (A) Stonerook, T. D. (M)

Terrace Park (CIN-4) Hudnall, J. U. (A) Jordan, J. F. (F)

Tiffin (TOL -4) Hartman, R. E. (A)

Tipp City (DAY-4) Brode, R. L. (SM) Gambill, C. C. (M) Johns, M. W. (A)

Toledo (TOL-4)

Aufderheide, J. H. (M)
Bells, J. K. (M)
Bells, R. F. (M)
Bells, R. F. (M)
Blomberg, P. E. (A)
Boudouris, A. (M)
Cameron, D. F. (M)
Childers, R. F. (M)
Childers, R. F. (M)
Childers, R. F. (M)
Childers, R. F. (M)
Comer, J. W. (M)
Diehn, R. J. (A)
Dinning, J. R. (M)
Douthett, W. W. (M)
Dorschert, L. L. (M)
Eash, G. H. (A)
Ewing, D. J., Jr. (M)
Frewalt, E. W. (A)
Fuller, L. E. (A)
Gage, J. F. (M)
Galambos, L. G. (M)
Gramlich, H. F. (A)
Hama, R. N. (M)
Hawley, F. S. (A)
Hedler, R. C. (M)
Hedler, R. C. (M)
Hedrer, R. C. (M)
Kearney, J. P. (SM)
Keck, M. W. (M)
Krehenbauer, C. C. (SM)
Kreger, A. E. (A)
Laker, F. J., Jr. (M)
Levck, D. D. (M)
Loo, W. (M)
Marlau, R. S. (M)
Marlau, R. S. (M)
Marlau, R. S. (M)
Mocomick, J. M. (SM)
Mecker, J. G. (M)
Nevert, H. L. (M)
Nixon, W. A. (A)
Pierce, E. W. (M)
Nixon, W. A. (A)
Pierce, E. W. (M)
Rower, H. N. (M)
Nixon, W. A. (A)
Pierce, E. W. (M)
Rosencrantz, M. E. (M)
Rosencrantz, M. E. (M)
Schoel, W. C. (M)
Schoel, H. K. A. (M)
Schoel, W. C. (M)
Schoel, W. C. (M)
Schoel, W. C. (M)
Schoel, W. C. (M)
Schoeler, R. E. (M)
Wooster, W. H. (A)
Weber, R. E. (M)
Wooster, W. H. (A)

Trotwood (DAY-4)
Helbig, E. M. (A)
Sadow, R. M. (A)
Weissman, S. (SM)

Troy (DAY-4)

Benedict, D. E. (A)

Hook, G. E. (A)

Schmidt, H. J. (M)

Twinsburg (AKR-4) Howard, W. R. (A) Union (DAY-4) Apple, R. C. (M) Learish, H. B. (SM)

Uniontown (AKR-4) Douglas, D. R. (A) Lauby, J. W. (M)

University Heights (CLE-4) Brown, L. H. (A) Goldfarb, J. (M) Roth, M. S. (M) Seldner, K. (M) Williams, H. C. (M)

Urbana (DAY-4) Alty, R. L. (M) Cammack, F. (M)

Vandalia (DAY-4) Leffler, G. E. (A) Mayer, J. M. (A)

Van Wert (FT-W-5) Conley, W. H. (M) Lindsay, J. T. (M)

Vincent (PIT-4) Huck, L.A. (A)

Walbridge (TOL-4) Corathers, C. N. (W) Dehring, J. C. (M)

Warren (AKR-4) Atwood, W. L. (SM) Marshall, E. L. (VA) Sprague, W. L. (M)

Warrensville Heights (CLE-4) Davis, S. (M)

Waynesville (DAY-4) Morin, R. W. (A) Puterbaugh, W. H., Jr. (M)

West Carrollton (DAY-4) Sonnanstein . E. H., Jr. (A) Springer, L. D. (SM)

Westerville (CDL-4)
Autery, R. M. (M)
Harris, E. L. (A)
Hodge, R. M. (A)
Huffman, D. L. (SM)
Plenkowski, E. C. (A)
Ponticello, J. A. (M)

Westlake (CLE-4)
Albrecht, W. (M)
Corwin, G. (M)
Fletcher, E. S. (SM
Hayes, K. V. (A)
Ddell, M. P. (SM)
Seybold, J. F. (A) (SM)

West Richfield (AKR-4) Bear, N. (A) Brooks, R. C. (A)

West Union (CIN-4) Maione, W. D. (M) Wickliffe (CLE-4)

McNeill, T. J. (A) Willoughby (CLE-4) Hodina, E. G. (M) Sommer, R. J. (A)

Willoughby Hills (CLE-4) Blauvelt, R. C. (SM)

Willowick (CLE-4) Mason, R. F. (A) Wilmington (CIN-4)

Woodville (TOL-4) Nitschke, N. C. (M)

Wooster (AKR-4) Mullen, H. P., Jr. (A)

Worthington (COL-4)
Cary, H. (M)
Clutter, E. C. (A)
Condon, R. J. (M)
Crane, N. B., Jr. (M)
Davis, W. C. (SM)
De Vore, R. V. (M)
Kean, P. M., Sr. (A)
Orwig, E. O. (A)
Sisson, E. D. (M)
Taylor, R. C. (M)
Van Buskirk, R. C. (M)
Wyler, E. N. (M)

Wright-Patterson AFB (DAY-U-4) ght-Patterson AFB (DAY Abbey, G. W. S. (M) Amstutz, S. R. (M) Bogrees, G. T. (M) Bollck, H. H., Jr. (M) Britain, J. F. (M) Bryan, C. W. (M) Conover, J. C. (M) Conover, J. C. (M) Corbin, M. W. (A) Donovan, P. R. (M) Doty, A. (M) Dukes, E. F., Jr. (A) Fenton, R. E. (M)

Francis, L. G. (M)
Garrett, E. T. (M)
Glushko, W. (A)
Gregory, J. W. (A)
Haneman, V. S., J. (M)
Hitzenhammer, A. D. (SM)
Houpls, C. H. (M)
Joppa, R. M. (SM)
Kennedy, J. V. (A) Jones, E. D., Jr. (M)
Joppa, R. M. (SM)
Joppa, R. M. (SM)
Kennedy, J. V. (A)
King, J. D. (A)
Lunford, H. W., Jr. (SM)
Luas, G. R. (M)
Ludas, G. R. (M)
Ludauist, G. J. P. (A)
McLean, M. H. (M)
Mims, J. H. (A)
Morgan, B. S., Jr. (M)
Morth, R. L. (M)
Morgan, B. S., Jr. (M)
Politzer, L. M. (M)
Politzer, L. M. (M)
Politzer, L. M. (M)
Schelonka, E. P. (M)
Schelonka, E. P. (M)
Schet, J. W. (M)
Schet,

Young, R. W. (M)
Young, R. W. (M)
Anderson, C. W. (VA)
Baker, W. W. (SM)
De Berry, D. R. (M)
Dovle, C. E. (SM)
Holt, T. (M)
Horton, C. D. (M)
Kouri, F. G. (SM)
Lisowski, E. M. (M)
Marshall, C. H. (M)
Michaelson, B. L. (A)
Myszko, R. (M)
Noble, H. V. (F)
Noll, L. J. (M)
O'Brien, W. R. (M)
Russell, B. W., Jr. (M)
Schoette, W. H. (M)
Schoette, W. H. (M)
Schettet, W. H. (M)
Schettet, W. H. (M)
Williams, G. S. (A)
ellow Springs (DAY-4)

Yellow Springs (DAY-4)
Aschbacher, S. J. (M)
Bletzinger, P. (M)
Car, D. L. (A)
Colbert, C. (SM)
Friz, W. (A)
Greene, C. K. (SM)
Kimball, D. E. (SM)
Nosker, P. W. (SM)
Obermayer, R. W. (M)

Youngstown (AKR-4) ngstown (AKR-4)
Cherpack, J., Jr. (M)
Conroy, M. J. (A)
Dieringer, F. A. (VA)
Hansburg, M. (M)
Hirt, A. J. (A)
Housteau, C. M., Jr. (A)
McNicholas, J. V. (M) McNicholas, J. V. (M)
Nyberg, W. C. (A)
Phillips, R. G. (A)
Resch, R. J. (M)
Smail, J. P. (M)
Umbach, L., Jr. (M)
Williamson, W. P., III (A)

Zanesfield (TOL-4)
Hatfield, F. A. (A)
Hunt, W. A. (M)
Iverson, F. A. (M)
Schwerha, J. A. (M)
Snyder, H. D. (A)
Thompson, C. O. D., Jr. (M)

OKLAHOMA

Ardmore (OC-6) Pryga, J. F. (A) Rollins, C. W. (A)

Bartlesville (TUL-6)
Bondurant, J. E. (M)
Brashear, R. T. (M)
Dale, H. C. (M)
Freeman, L. R. (M)
Greening, J. P. (A)
Hensley, W. A. (M)
Johnson, E. W. (M)
Kindred, R. L. (A)
Kline, M. E. (M)
Piety, R. G. (M)
Renfro, C. I. (A)
Waiker, J. F. (M)

Bethany (CC-6) Hill, W. M. (M) Jackson, M. H. (M)

Broken Arrow (TUL-6) Smith, D. (A) Tompkins, H. S. (A)

Choctaw (OC-6) Kovar, P. (SM)

Clinton (OC-6) Staley, J. D. (M)

Coweta (TUL-6) Higgins, H., Jr. (A)

Coyle (OC-6) Shellhammer, C. K. (M)

Duncan (OC-6) Coptand, G. V. (M) Gray, C. R. (M) Hulme, J. R. (M)

Edmond (OC-6)
Daniel, D. B. (M)
Kearby, L. I. (M)

Ef Reno (OC-6) Crawford, D. M. (A)

Enid (0C-6) Stillman, G. E. (M) Tennison, D. B. (A)

Fay (OC-6) Conner, J. B. (M)

Fort Sill (OC-6) Laprad, Q. C. (A) Wood, P. W. (M)

Frederick (OC-6) Jones, J. D., Jr. (SM)

Idabel (TUL-6) Brown, S. F. (A)

Kinta (TUL-6) Stowell , N . J . (M)

Lawton (OC-6)
Frei, J. (M)
Hudson, B. J. (A)
Jones, A. H. (M)
Mayberry, R. C. (M)
Shores, D. D. (A)
Theroux, G. L. (M)
Utterback, W. J. (M)
Wilson, H. D. (M)

Marland (TUL-6) Gammon, C. (M)

McAlester (TUL-6) Nichols , C . D . (M)

Medford (OC-6) Scouten, D. C. (M)

Miami (TUL-6) Wetherell, M. L. (M)

Wetherell, M. L. (M)

Midwest City (OC-6)
Agosta, H. A. (M)
Boyd, W. L. (M)
Crocker, J. A. (M)
Davis, A. C. (M)
Duff, J. B. (A)
Ferguson, J. W. (A)
Ferguson, J. W. (A)
Frey, W. A. (A)
Gilmore, E. H. (M)
Hedson, H. D. (A)
Hutton, J. E. (M)
Karstetter, W. H. (M)
Kimmell, H. W. (A)
Lewis, H. G. (M)
Lindley, R. A. (A)
McDonald, T. K. (SM)
Rauscher, A. I. (M)
Spence, R. E. J. (M)
Thompson, W. R. (M)
Villines, F. S. (M)
Wedekind, D. E. (M)
Westiger, J. M. (M)
Wesiger, J. M. (M)
Wesiger, J. M. (M)

Moore (OC-6) Gordon, J. B. (A)

Muskogee (TUL-6) Bishop, R. D. (M) Hardesty, R. D. (M) Miller, W. A. (A)

Norman (OC-6) man (OC-6)
Brewster, A. H., Jr. (A)
Brewster, A. P., (SM)
Edwards, O. L. (A)
Farrar, C. L. (SM)
Green, B. B. (M)
Harp, C. E. (SM)
North, R. C., Jr. (M)
Palmer, J. D. (M)
Puckett, T. H. (M)
Tuma, G. (SM)
Vlay, G. J. (M)
Warren, J. D. (M)
Varbrough, L. A. (M)

Oklahoma City (OC-6) Adams, R. G. (M) Allbright, B. D. (M)

Ashby, R. H. (M)
Ashworth, J. M. (M)
Balley, J. E. (M)
Balley, J. E. (M)
Barker, M. W. (M)
Battenburg, N. (M)
Battenburg, N. (M)
Bower, G. P. (M)
Bower, H. H., Jr. (M)
Cannon, W. P. (M)
Callifton, J. E. (M)
Cannon, W. P. (M)
Cilifton, J. L. (M)
Crippen, E. G. (M)
Cross, C. C. (M)
Daugherty, L. C. (M)
Daugherty, W. M. (M)
Delbridge, J. D. (M)
Dick, C. W. (M)
Diogs, B. H. (M)
Dick, C. W. (M)
Diogs, B. H. (M)
Dirick, C. V. (M)
Drameller, C. C. (M)
Easum, C. M. (M)
Esaum, C. M. (M)
Fisher, D. L. (M)
Fisher, D. L. (M)
Fisher, D. L. (M)
Fisher, D. L. (M)
Haramen, F. E. (M)
Hamman, C. V., III (A)
Hamden, L. W. (M)
Harnon, R. E. (M)
Herriott, J. K. Jr. (A)
Hermann, F. (M)
Himes, E. F. (M)
Holaday, D. F. (M)
Holaday, D. F. (M)
Holaday, D. F. (M)
Holaday, D. F. (M)
Hurst, K. J. (M)
Jackson, F. L. (M)
Jackson, F. L. (M)
Jackson, J. H., Jr. (M)
Jackson, J. H., Jr. (M)
Marlian, J. G. (M)
Key, B. P. (M)
Kaper, K. W. (M)
Kuehne, A. (A)
Miller, C. L. (M)
Mura, E. J. (M)
Marlin, M. M. (M)
Marlin, M. M. (M)
Marlin, M. M. (M)
Marlin, M. J. (M)
Moris, R. K. (M)
Perland, R. S. (M)
Perland, R. S. (M)
Nedowan, C. W. (A)
Nore, R. E. (M)
Pilliam, J. C. (M)
Polliam, J. C. (M)
Nore, R. E. (M)
Pilliam, J. C. (M)
Nore, R. E. (M)
Pilliam, J. C. (M)
Nore, R. S. (M)
Nore, R.

Pauls Valley (OC-6) Graham, W. L. (M)

Ponca City (TUL-6) Brown, G. L. (M) Conger, N. L. (A) Doty, W. E. N. (M) Fair, D. W. (M)
Hall, M. L. (M)
Karr, R. J. (A)
Lindsey, S. E. (M)
Rochelle, C. A. (A)
Sullivan, D. S. (M)
Marsh, C. L. (M) Marsh, C. L. (M)

Sand Springs (TUL-6) Goatcher, H. Z. (A) Roop, L. H. (A) Stulken, R. D. (A)

Sayre (OC-6) Goostree, F. T., Jr. (M)

Seminole (OC-6) Smith, G. L. (M)

Shawnee (OC-6)
Johnson, L. W. (M)
Jones, M. E. (M)
Wells, E. W. (M)
Wood, G. J. (A)

Stillwater (TUL-6)
Bowling, R. E. (M)
Buck, R. F. (M)
Cameron, C. F. (M)
Fristoe, H. T. (SM)
Hallett, P. C. (M)
Jones, H. L. (SM)
Labarthe, L. C. (M)
Lingelbach, D. D. (M)
Planinac, J. W. (M)

Talihina (TUL-6) Fox, D. N. (M)

Tinker AFB (OC-6) Booth, J. E. (M Wilson, W. (A) (M)

Tulsa (TUL-6)
Alexander, W. A. (M)
Atchison, R. A. (M)
Austin, R. A. (M)
Barnes, E. M., Jr. (M)
Be Luong, V. (M)
Be Luong, V. (M)
Be Luong, V. (M)
Born, W. T. (F)
Bowman, B. A. (M)
Born, W. T. (F)
Bowman, D. C. (M)
Braidwood, D. W. (M)
Broding, R. (SM)
Burton, R. G. (M)
Buffum, C. E. (SM)
Burton, R. G. (M)
Bushnell, J. M., Jr. (A)
Cane, W. G. (A)
Case, V. G. (A)
Casey, J. L. (M)
Coley, J. A. (M)
Cooper, J. R. (SM)
Cordell, L. B. (M)
Cordell, R. L. (M)
Cooper, J. R. (SM)
David, W. O. (A)
Denning, J. M. (A)
Denning, J. R. (SM)
Dilkmen, B. (M)
Dilkmen, E. (M)
Eisler, J. D. (SM)
Eilis, R. M. (SM)
Frayors, E. L. (A)
Ferguson, H. B. (M)
Finn, R. S. (M)
Fisher, J. L. (A)
Freman, F. R. (M)
Finn, R. S. (M)
Fisher, J. L. (A)
Freman, F. R. (M)
Hill, J. K. H. (A)
Holand, W. R. (M)
Hussloker, W. R. (M)
Hussloker, W. R. (M)
Hussloker, W. R. (M)
Loone, C. (M)
Jarone, C. (M)
Jarone, G. (M)
Jarone, Jacobs, G. G. (M)
Jacobs, G. G. (A)
James, D. B. (M)
Kartman, D. J. (M)
Keller, B. H. (A)
Kenton, J. K. (M) Koeppel, B. W. (M)
Lamonte, R. J. (M)
Lash, C. C. (SM)
Lippman, L. (M)
Lopez, J. L. (M)
Lynn, R. D. (M)

Mahoney, E. H. (M)
Marshall, B. R. (A)
Marth, H. H., Jr. (A)
Marthews, C. G. (A)
McCoy, B. F. (A)
Miller, J. W. (SM)
Mitchell, R. W., Jr. (M)
Moon, C. L. (A)
Mooris, W. J. (M)
Newton, G. R. (SM)
Nichols, R. L. (A)
Norris, W. F. (M)
O'Reilly, G. A. (SM)
Orsak, A. J. (A)
Peterson, G. (SM)
Phillips, H. W. (SM)
Pittenger, R. D. (M)
Red, A. C. (M)
Red, A. C. (M)
Schad, C. A. (M)
Shelton, H. C. (A)
Silveman, D. (F)
Smith, L. H. (A)
Sorge, W. A. (M)
Stinchcomb, B. G. (A)
Stover, E. B. Jr. (M)
Sweeny, A. C., Jr. (A)
Westery, C. O. (M)
Watson, G. E. (A)
Watson, R. E. (A)
Watenbarer, W. (M)
Weldon, W. J. (A) Westerveit, J. C. (A Whitlock, J. R. (M) Wilcox, R. L. (M) Willits, G. N. (A) Wilson, B. F. (M) Wood, G. A. (A) Zongker, R. C. (M)

Village (OC-6) Clinkenbeard, H. A. (M)

Wilson (OC-6) Glenn, R. D. (M)

Woodward (DC-6) Williams, F. G. (M)

Yukon (OC-6) Rice, P. G. (M)

OREGON

Beaverton (POR-7)
Calnon, D. C., Jr. (M)
Christensen, H. E. (A)
Casser, C. D. (A)
Goard, R. W. (A)
Jenkins, R. W. (M)
Kobbe, J. R. (M)
Macpherson, C. H. (M)
Passmore, F. X. (A)
Rice, R. G. (A)
Schiller, J. D. (A)
Tinker, F. B. (M)
Trump, W. E. (A)

Clackamas (POR-7) Pickett, R. A. (A)

rvallis (POR-7)
Albert, A. L. (F)
Amort, D. L. (A)
Ballard, B. J. (M)
Dunlap, C. R. (SMO)
Feikert, G. S. (SM)
Huber, S. J. (M)
Hunnicutt, A. L. (M)
Jensen, L. C. (A)
Looney, J. C. (M)
Magnusson, P. C. (SM
Michael, R. R. (M)
More, E. G., Jr. (M)
Stone, L. N. (M)
Stone, S. A. (M)
Strayer, R. W. (M)
Weber, L. J. (M)
Yunker, E. A. (SM) Corvallis (POR-7)

Eugene (POR-7) Balint, J. E. (SM) Hoppe, P. R. (A) Surdam, E. L. (M)

Grants Pass (POR-7) Walker, J. E. (M)

Gresham (POR-7) Nichols, J. S. (M)

Hillsboro (POR-7) Kelsey, G. M. (A) Scott, H. D. (A)

Klamath Falls (POR-7) Cramer, K. H. (A) Du Wane, W. H. (A) Grimes, W. P. (M) Orrell, D. B. (M)

La Grande (POR-7) Cannon, T.W. (M)

PENNSYLVANIA - 537 -

McMinnville (POR-7)
Anderson, C. M. (M)
Bernett, S. D. (SM)
Charbonnier, F. M. (M)
Dyke, W. P. (M)
Hipperson, J. R. (M)
Wilson, P. B. (M)

Medford (POR-7) Lamberg, R. (M) Walker, V. G. (VA)

Oswego (POR-7) Fillinger, R. V. (M) Smlth, D. E. (SM)

Philomath (POR-7) Plunkett, D. T. (A) tland (POR-7)
Allen, W. M. (SM)
Austin, L. C. (A)
Bailey, R. L. (M)
Bartch, H. (A)
Beck, R. M. (M)
Beck, R. M. (M)
Beck, R. M. (M)
Beck, R. M. (M)
Bishop A. R. (M)
Broms, B. H. (A)
Broms, B. H. (A)
Bromn, F. M. (M)
Brown, W. C. (A)
Carpenter, C. B. (SM)
Cassidy, J. J., Jr. (M)
Clark, R. N. (M) Portland (POR-7) Clark, R. N. (M)
Corbett, H. L., Jr. (M)
Corbett, T. (A)
Craycraft, H. T. (A)
Craycraft, H. T. (A)
Cutking, W. A. (M)
Dallas, W. K. (SM)
Davis, E. A. (A)
Davis, K. E. (A)
Davis, R. J. (SM)
Day, J. E. (A)
Deardorff, R. W. (F)
Delord, J. F. (SM)
Doel, D. (M)
Donoghue, J. J. (M) Doel, D. (M)
Doenoshue, J. J. (M)
Easterday, R. B. (A)
Ellis, P. V. (M)
Ellison, G. C., J. (M)
Elssner, E. H. (M)
Elssner, E. H. (M)
Elssner, E. H. (M)
Flateau, S. L. (M)
Gordon, D. D. E. (M)
Gordon, D. D. E. (M)
Gordon, D. D. (A)
Gotcher, A. W. (A)
Griffith, J. W. (A)
Griffith, J. W. (A)
Grossenbacher, A. C. (A)
Hashizume, G. K. (M)
Heath, H. W. (M)
Heath, H. W. (M)
Hedrick, L. C. (SM)
Henderson, J. E. (A)
Heren, R. A. (M)
Hollzman, M. (M)
Hollzman, M. (M)
Hollzman, M. (M)
Howe, G. E. (A)
Jackson, F. E. (A)
Morgan, M. (M)
Hondor, C. M. (M)
McGarland, C. W. (SM)
McGarland, B. N. (M)
McGarland, F. A. (M)
Nolan, C. A. (M)
Peterson, R. M. (M)
Pittard, F. L. (M)
Pooley, R. R. (M)
Pooley, R. R. (M)
Pooley, R. R. (M)
Ritter, H. C. (A) Ritter, H. C. (A)
Roberts, M. L. (M)
Roplequet, R. L. (SM)
Rullman, R. G. (M)
Schmidt, R. W. (M)
Schmitt, G. W. (A)
Schmitt, W. L. (M)

Scott, E. D. (SM) Shantz, C. J. (A) Shelley, A. L. (M) Single, E. P. (M) Singleton, H. C. (SM) Stoll, J. L. (M) Strain, D. C. (M) Strain, D. C. (M)
Svehaug, O. C. (A)
Tabshy, S. J. (M)
Terrill, F. Jr. (M)
Thompson, W. S. (M)
Thompson, A. (M)
Tunturi, A. R. (A)
Turnbull, J. L., Jr. (M)
Tyle, A. B. (SM)
Vassalio, W. H. (A)
Vollum, H. (F)
Welss, L. S. (A)
White, L. C. (M)
Wilholt, D. I. (M) Wilholt, D. T. (M)
Winkler, L. R. (VA)
Winningstad, C. N. (M)
Worden, A. E. (M)

Salem (POR-7) em (FOR-7)
Hart, F. J. (A)
Hoskins, R. E. (A)
Purbrick, R. L. (M)
Stangland, D. E. (A)
Wane, W. M. (A)

Sherwood (POR-7) Crawford, H. C. (A) Long, L. A. (M)

The Dalles (POR-7) Curtis, H. T. (M) Stuart, C. J. (M)

Tigard (POR=7) Ellander, H. F., Jr. (M) Kidd, D. E. (M) Webber, W. B. (M)

PENNSYLVANIA

PENNSYLVANIA

Abington (PHI-3)
Adams, K. (M)
Batiuk, R. A. (M)
Beck, C. (A)
Booker, R. W. (M)
Chang, S. Y. (M)
Coullard, J. B. (SM)
Dittrich, W. A. (A)
Goff, K. W. (A)
Lounsberry, E. P. (M)
Remich, J. E. (A)
Schellenberg, P. J. (A)
Tarzian, V. (A)
Vantine, H., Jr. (SM)
Wheeler, E. B. (M)
Young, C. P. (SM)

Adah (PIT-4) Bohar, J. (M)

Aldan (PHI-3) Gahagan, J. R. (M) Heacock, R. J. (A)

Aliquippa (PIT~4) Haluga, M.G. (A) Ugoletti, L.S. (M)

Haluga, M. G. (A)
Ugoletti, L. S. (M)

Allentown (P-LV-3)
Anand, R. P. (M)
Bartholonew, C. Y., Jr. (M)
Bolez, E. C. (A)
Bradford, C. E. (M)
Buehler, P. R. (M)
Chaplin, N. J. (A)
Chittick, D. R. (M)
Cordaro, C. F. (A)
Hansen, E. (M)
Hanson, G. H. (M)
Hanson, G. H. (M)
Hanson, F. E. (SM)
Hanson, F. E. (SM)
Hanson, F. E. (M)
Herbert, N. J. (SM)
Hittinger, W. C. (A)
Kimura, F. S. (M)
Long, P. C., Jr. (M)
McGrath, J. W. (SM)
Morton, K. L. (M)
McGrath, J. W. (SM)
Morton, K. L. (M)
Newhard, C. E. (M)
Paulsen, J. F. (SM)
Purcell, R. H. (SM)
Ronci, V. L. (SM)
Rotter, V. E. (M)
Savadelis, I. C. (M)
Simpson, A. D. (SM)
Stubner, F. W. (M)
Savadelis, I. C. (M)
Sizabo, W. (M)
Taylor, E. W. (M)
Taylor, R. R. (VA)
Tooker, H. A. (SM)
Von Ohlsen, L. H., Jr. (M)
Westberd, R. W. (A)
Wintner, R. A. (M)
Young, C. S. (SM)
Zuk, P. (M)

Allison Park (PIT-4) Joller, C. R. (A) Mink, R. E. (M)

Altoona (PIT-4) Gamber, F.S. (M) Schwartz, E. (M)

Ambler (PHI-3)
Colussi, E.J. (M)
Conroy, J. F. (A)
Dosch, V. F. (M)
Gehman, P. A. (M) Dosch, V. F. (M)
Gehman, P. A. (M)
Gruensfelder, K. (M)
Hollich, S. E. (M)
Jensen, C. L. (M)
Kitson, H., Jr. (SM)
Kitson, H., Jr. (SM)
Kuzma, P., Jr. (A)
Leonard, J. F. (M)
Mauchly, J. W. (F)
O'Meara, W. J. (M)
Schoenberg, J. P. (M)
Simmons, C. D. (A)
Smith, F. P. (M)
Sommer, E. H., Jr. (M)
Swift, M. E. (SM)
Voorhoeve, E. W. (A)

Ambridge (PIT-4) Joseph, G. P. (M)

Ardmore (PHI-3)
Cheng, T. (M)
Churchill, H. J. (M)
Fuller, L. C., Jr. (M)
Mayer, R. (SM)
MoDonnell, J. A. (SM)
Meyer, C. B. (M)
Norton, R. (A)
Queen, G. N., Jr. (M)
Rothenheber, N. (A)

Ardsley (PHI-3) Knieriem, H. W. (A) Merrihew, H. W. (M) Schweiss, W. W. (M)

Amold (PIT-4) Ceschini, E. S. (M)

Avella (PIT-4) Corgnati, E. S. (A)

Bakerstown (PIT-4) Mag, A (VA)

Mag, A (VA)

Bala-Cynwyd (PHI-3)
Bresson, J. (M)
Callender, E. M. (M)
Connolly, J. J. (M)
Eachus, I., Jr. (SM)
Friedman, M. (A)
Friend, A. W. (F)
Kushner, E. E. (A)
Messmer, W. J., Jr. (M)
Roop, R. W. (SM)
Sorkin, C. S. (A)
Spencer, R. W. (M)
Steinberg, B. D. (A)
Sunstein, D. E. (F)

Bangor (PIT-4) Comes, R. G. (A) Drury, H. J. (M)

Bartonsville (PHI-3) Cyphers, R. F. . (M)

Bath (P-LV-3) French, I. F. (M)

Bedminster (P-LV-3) Mover, L. K. (VA)

Bellefonte (CP-4)
De Barber, J. P. (SM)
Harvey, H. B. (M)
Holter, D. H., Jr. (M)
Lyon, C. M. (A)
Maris, E. H., Jr. (M)
Young, N. C., Jr. (M)

Belle Vernon (PIT-4) Radock, C. (A)

Bellevue (PIT-4) Myers, L. B. (M)

Vertar, J. A. (A)

Bernville (PHI-R-3) Gantert, A. (A)

Gantert, A. (A)

Berwyn (PHI-3)
Andrews, B. I. (A)
Barmes, G. H. (A)
Brown, L. R. (SM)
Hobero, G. G. (SM)
Kenosian, H. (M)
Michaels, C. J., Jr. (M)
Murray, K. W. (M)
Oliver, G. A. (M)
Phelan, L. T. (A)
Reid, C. R. (SM)
Schultz, M. A. (M)
Tate, H. J. (M)
Taylor, C. A. (SM)
Williams, R. J., III (M)
Youtcheff, J. S. (M)

Bethayres (PH1-3) Stone, J. E. (M)

Bothel Park (PIT-4) Augenstene, M. G. (M) Fairey, T.E. (M) Grace, J. N. (M) Sander, H. F. (M)

Bethlehem (P-LV-3) Birdsboro (PHI-R-3)
Dominicis, J. W.
Harcar, A. R. (A) (A)

Blawnox (PIT-4) Belinsky, O. A. (A)

Blue Bell (PHI-3) Kieslich, W. G. (M) Pamell, J. (M) Simon, W. (M) Van Name, J. M. (M)

Boalsburg (CP-4)
Ayres, D. T. (A)
Bennett, P. E. (M)
Harris, D. E. (SM)
Kaprocki, F. E. (M)
Sechrist, C. F. J. I.
Slear, L. S., Jr. (M)
Smitley, C. R. (A) (M) (M)

Brackenridge (PIT-4) Monnier, H. E. (M)

Braddock (PIT-4) Zygmunt, H J. (M)

Bradford (EMP-4)
Bradford Woods (PIT-4)
Weaver, T. S. (M)
Dawson, A. W. (M)
Lucy, C. J. (M)
Marafioti, J. J. (M)
McIntosh, K. S. (A)
McKnight, G. P. (SM)
Schemerhom, F. G. (A)
Shaw, M. R. (M)

Bridgeport (PHI-3) Berkowitz, M. (SM) Busch, E. G. (M)

Bridgeville (PIT-4) Tury, S.F. (A)

Bristol (PHI-3) Annett, M. E. (A)

Bmokville (FMP-4) okville (EMP~4)
Calvert, R. B. (M)
Emerick, L. C. (M)
Georgek, S. C., Jr. (M)
Porsch, A. W. (M)
Say, D. L. (M)

Say, D. L. (M)

Bromall (PHI-3)
Benn, R. E. (M)
Boonin, N. B. (M)
Caplan, D. I. (M)
Disson, S. B. (SM)
Eells, W. A. (M)
Gray, R. L., Jr. (M)
Keesler, F. L. (M)
Marshall, D. E., Jr. (A)
Mason, E. A. (M)
Mercado, P. D. (A)
Muroff, J. M. (A)
Neely, E. H. (M)
Scalzetti, M. R. (M)
Sprouse, R. T. (A)
Streater, A. L. (M)
Thompson, G. H., Jr. (A)
Walkling, R. W. (M)
Viylen, J. (M)
Zechter, S. (SM)

ryn Mawr (PHI-3)

Zechter, S. (SM)

Bryn Mawr (PHI-3)
Anderson, R. F. (M)
Bartlett, F. F. (M)
Chow, C. K. (M)
Crouse, R. T. (M)
Gardiner, F. J. (SM)
Gyllenhaal, P. R. (A)
Harman, G. F. J. (A)
Hertzberg, J. M. (M)
Hyde, H., Jr. (A)
Kimp, H. D. (SM)
Marshall, J. N. (M)
Rawle, J., III (A)
Reich, A. L. (SM)
Simons, K. A. (M)
Sohmer, R. G. (M)
Sumerlin, W. T. (SM)

Jonmer, R. G. (M)
Jonmer, R. G. (M)
Sumerlin, W. T. (SM)

Bethlehem (P-LV-3)
Brosious, D. R. (M)
Downing, H. L. (VA)
Elder, H. E. (A)
Fisher, R. E. (M)
Karakash, J. J. (SM)
Kircher, C. J. (M)
Larky, A. I. (M)
Lisle, J. (M)
Long, T. P., Jr. (M)
McCracken, L. G., Jr. (N)
Simpson, R. H. (M)
Simpson, R. H. (M)
Stauffer, R. E. (M)
Trotta, J. (M)
Wagner, R. E. (M)
Wahl, A. (M)
Uteton (PHI-33)
Justification (SM)

Bustleton (PHI-3) Just, G. A. (A)

Butler (PIT-4) Hitzel, J. M. (M) Lewis, W. I. (M) Olmsted, R. W. (M) Wakeman, C. B. (M)

Campbelltown (PHI-L-3) Egan, S. H. (A)

Camp Hill (PHI-L-3)
Austin, R. C. (A)
Berry, J. D. (M)
Eisenhard, S. E. , Jr. (M)
Mac Danold, R. M. (A)
Morrls, G. W. (M)
Peterson, R. K. (M)
Sponeybarger, J. O. (M) (M)

Canonsburg (PIT-4) Lybarger, S. F. (SM) Sulkowski, E. L. (M)

Carbondale (PHI-3) Gumpert, D. F. (M) Watson, R. R. (M)

Carlisle (PHI-L-3)
Fourlas, N. J. (A)
Hoffman P. R. (SM)
Mann, C. W. (A)
Meyers, K. D. (M)
Ryesky, S. (M)
Van Gavree, R. L. (A)

Carlisle Barracks (PHI-L-3) Bernard, J. T. (M) Goodrich, R. H. (M)

Carnegie (PIT-4) Wintriss, G. V. (A)

Carversville (PHI-3) La Sota, L. S. (Maser, F. A. (A) (A)

Center Valley (P+LV-3) Bloom, R.D. (A)

Central City (PIT-4) Hackman, H.R. (MD

Centre Hall (CP-4)
Campbell, H. L., III (M)
Durn, L. R. (M)

Chalfont (P-LV-3) Brenner, W.F. (A)
Curtis, C.T. (M)
Doelp, W. L., Jr. (A)
Koos, E.E. (M)

Cheltenham (PHI-3) Alter, A.R. (SM)
Eckert, J.R., Jr. (A)
Himmer, F., Jr. (SM)
Hoagland, C.C. (SM)
Pinter, P.J. (M)
Sheldon, H.W. (SM)
Urban, S.J., Jr. (M)

Chester (PHI-3)
Desantis, Z. S. (M)
Ebert, H. K., Jr. (M)
Hyppolalnen, E. K. (A)
Jasinski, A. J. (M)
Lind, E. N. (M)
McLauphlin, J. A. (M)
Root, W. E. (M)
Trumper, D. K. (A)

Cheswick (PIT-4) Canter, E.L., Jr. (M) Lee, C.H. (M) Murray, D.W. (A) Peters, J.E. (M)

Churchville (PHI-3) Kirk, D., Jr. (M) Sysko, S.J. (M) Uphoff, F.B. (A)

Clarks Green (PHI-3) Blackford, W. (SM) Campbell, S.V. (M) Moeller, K.F.W. (M)

Clarks Summit (PHI-3) Cerva, C.H. (A) Perkins, G.D. (M) Thomas, J.E. (SM) Winkler, R.H. (M)

Clarendon (EMP-4) Haines, H.M. (M)

Clearfield (EMP-4) Bolton, S. W. (M) Boyd, J. C. (SM) Diehl, W. F. (F) Hosoda, J. (A) Little . D . R . (M) Wallace , R . P . (SM)

Clifton Heights (PHI-3)
Allen, G. P. (A)
Bradley, W. E. (M)
Kozikowski, J. L. (M)
Lobel, D. J. (M)
Lombardini, P. P. (SM)
Werbickas, J. P. (A)

Collegeville (PHI-3)
Burleigh, R P. (M)
Smith, R M. (A)

Collingdale (PHI-3) Hart, J. W. (M) Minahan, W. G. (M)

Columbia (PHI-L-3) Horst, R. L. (M)

Conemaugh (PIT-4) Yasko, R. N. (M)

Conestoga (PHI-L-3) Landis, C.G. (M)

Connell syille (PIT-4) Gillott , D . H . (M)

Conshohocken (PHI-3) ishohocken (PHI-3)
Anderson, E. A., Jr. (M)
Blumenthal, E. I. (M)
Milliken, E. N. (A)
Ruf, F. C. (M)
Wells, G. H. (M)
Williams, D. E. (M)

Coopersburg (P-LV-3) Miller, R. F. (M)

Coraopolis (PIT-4) De Lutis, T. (M)

Comwells Heights (P-LV-3) Baskin, E. B. (A) Douthwaite, W., Jr. (M)

Coudersport (EMP-4) Du Bois, A. F. (M)

Crafton (PIT-4) Sippach, F. W., Jr. (M)

Cumberland (PIT-4) Duckworth J. J (M)

Curwensville (EMP-4) Bowman, D. P. (M

Custer City (EMP-4) Sailer, E. (M)

Cynwyd (PHI-3) Follenssee, W R. (A) Prywes, N S. (M)

Darby (PHI-3) Ross, W. F., Jr. (M) Delmont (PIT-4) Gwyn, C. B., Jr. (SM)

Delphi (PHI~3) Richard, C D., Jr. (M)

Devon (PHI-3)
Bell, P. F. (M)
Denk, W. E. (M)
Griffin, J. T. (M)
Hauptli, J. T. (A)
Zomber, G. L. (M)

Dickson City (PHI-3) Durm, J. E. (M) Srebro, J. L. (A)

Dillsburg (PHI-L-3) Zerby, A. B

Downington (PHI-3) Bittmann, E. E. (A Jensen, D. W. (M)

Doylestown (PHI-3) /lestown (PHI-3)
Benecke, H. D. (SM)
Biggs, J. A. (M)
Cole, W. G. (M)
Davis, R. W., Jr. (SM)
Gerlach, G. G. (SM)
Mulherin, E. M. (M)
Schweitzer, R. W. (M)
Smith, A. W. (A)
West, H. (M)

Dresher (PHI-3) Spielman, H. (M)

Drevel Hill (PHI-3) xel Hill (PHI-3)
Boyalian, M. M. (A)
Chudleigh, W. H., Jr. (S)
Dimmler, H. F., Jr. (M)
Dorsey, J. C. (M)
Free, A. L. (M)
Ley, G. S. (SM)
Marcovitz, M. W. (M)
Morris, C. R. (M)
Mural, F. (M) Murai, F. (M)
Neel, J. M. (M)
Rosenberg, H. (M)
Schlenger, J. I. (M)
Shattuck, C. J. (M)
Stobbart, A. J. (M) Webster, J. J. (M)

Drifton (PHI-3) Kislan, C.A. (M)

Dry Run (PHI-3) Worthington, F. M. (M) Du Bois (EMP-4)
Bley, L. H. (M)
Kunst, A. F. (M)
McGarvey, H. J. (M)
Winters, W. J. (M)

Dunlo (PIT-4) Cimba, J. (M)

Dunmore (PHI-3) Reiner, C. (A)

Duquesne (PIT-4) Laycak, J. F. (M)

Duryea (PHI-3) Panick, R. J. (M)

East McKeesport (PIT-4) Queer, P. R. (A)

Easton (P-LV-3) ston (P-LV-3)
Ajhar, R. M. (M)
Berk, D. M. (A)
Conover, L. J. (SM)
Duncan, J. R. (M)
Fellendorf, G. W. (M)
Fellendorf, G. W. (M)
Jackson, I. S. (A)
Kressman, J. H. (M)
Overton, D. A. (M)
Robertson, G. C. (M)
Slavics, J. W. (A)
Smith, F. W. (SM) Volk, J. H. (M) Waer, R. R. (M)

East Petersburg (PHI-L-3) Hammersand, F.G. Morrell, A.M. (M)

East Pittsburgh (PIT-4)
Basista, J., Jr. (M)
Blewitt, D. D. (M)
Brown, B. K., Jr. (A)
Buckler, P. F. (A)
Crawford, R. G. (M)
Ferguson, R. W. (M)
Marusich, E. A. (M)
McDonald, J. (A)
Steinbruegge, H. A. (M)

Edwardsville (PHI-3) Belensky, M. J., Jr. (A) Korlishin, L. (A)

Elizabethtown (PHI-L-3) Alger, P. B. (M) Custer, H. M. (M) Orr, R. W. (VA)

Elkins Park (PHI-3) ins Park (PHI-3)
Anton, A. (M)
Biembaum, J. W. (A)
Boreen, H. I. (M)
Caldwell, W. H. (SM)
Dahlin, E. B. (M)
Feigenbaum, I. A. (M)
Frocht, L. R. (M)
Francis, W. A. (M)
Green, H. (M) Francis, W. A. (M)
Francis, W. A. (M)
Gruen, H. (M)
Jacoby, N. (M)
Kaufmann, H. L. (M)
Krisch, A. L. (SM)
Kraus, M. H. (M)
Krutter H. (SM)
Levene, M. (M)
McGuire, T. J. (A)
New, R. (M)
Porter, H. F. (SM)
Rath, H. B. (M)
Rolas, R. R. (M)
Rolas, R. R. (M)
Solas, (M) Jr. (SM)

Ellwood City (PIT-4) Powell, K. F. (A)

Emmaus (PHI-3)

Gingrich, C. C., Jr. (M)

Emporium (EMP-4)
Ackman, C. W. (M)
Ackman, H. E. (SM)
Allgaier, W. (M)
Baldwin, A. V. (SM)
Bedwin, A. V. (SM)
Berodahl, R. F. (A)
Bisso, R. J. (SM)
Boots, W. K. (SM)
Boots, W. K. (SM)
Bouts, W. K. (SM)
Busscher, W. E. (SM)
Busscher, W. E. (SM)
Carpbell, V. H. (SM)
Carpbell, V. H. (SM)
Carlson, L. L. (M)
Carlson, L. L. (M)
Clausen, R. P. (SM)
Clausen, R. P. (SM)
Conner, F. L. (A)
Cooley, R. M. (SM)
Dander, D. A. (SM)
Dander, D. A. (SM)
Detweller, J. E. (A)
Dolnick, A. L. (CM) Detweiler, J. E. (A) Dolnick, A. L. (SM) Douglass, C. F. (SM)

Dresser, S. R., Jr. (M)
Erdle, P. J. (SM)
Formell, H. J. (SM)
Gausman, T. E. (SM)
Goodman, H. L. (M)
Goodman, H. L. (M)
Goodman, Y. R. (A)
Grubbe, V. P. (M)
Heitner, A. J. (M)
Hench, H. S., Jr. (M)
Hendrickson, C. C. (SM)
Herbert, H. W. (SM)
Kackauskas, J. J. (M)
Kamler, H. V., Jr. (M)
Kamler, H. V., Jr. (M)
Kamler, H. V., Jr. (M)
Kinessiver, G. H., Jr. (M)
Lambert, R. L. (SM)
McNaughton, R. A. (M)
Melzer, H. (M)
McNaughton, R. A. (M)
Melzer, F. A., Jr. (A)
Mueller, W. P. (SM)
Murbhy, W. A. (M)
Northrup, R. M. (A)
Overmier, E. E. (SM)
Palen, H. A. (M)
Palmateer, R. E. (SM)
Pope, L. A. (A)
Quint, G. L. (A)
Reitz, N. J. (SM)
Schwender, L. D. (M)
Schwender, L. D. (M)
Schwender, L. D. (M)
Stemper, W. J. (M)
Stemper, R. (M)
Stumper, R. (M)
Stumper, R. (M)
Stumper, R. (GM)
Summers, G. L. (M)
Verasson, D. L. (SM)
Summers, G. L. (M)
Verasson, D. L. (SM)
Verlasson, D. L. (SM)

e (ERI-1)
Blals, P. D. (A)
Blakeley, F. J. (M)
Bova, A. S. (A)
Davidson, A. R. (SM)
Fisch, A. (M)
Fisch, A. (M)
Flowers, R. B., Jr. (M)
Foster, J. H. (SM)
Gray, R. B. (SM)
Harding, G. D. (A)
Heibel, J. D. (M)
Herrick, H. S. (M)
Herrick, H. S. (M)
Hestor, K. L. (M)
Klevans, W. L. (M)
Lodge, A. (A)
Minnium, B. B. (F)
Nedreskir, R. J. (A)
Ozechoski, A. T. (A)
Page, R. S. (M)
Presutti, B. D. (A)
Rochin, D. W. (A)
School, P. D., Jr. (A)
Smith, D. H. (M)
Stemer, P. E. (M)
Taylor, G. P. (M)
Tuznik, R. H. (M)
Van Arsdell, J. C. , Jr. (I)
Vieira, J. E. (A) Erie (ERI-1) Tuznik, R. H. (M)
Van Arsdell, J. C. , Jr. (M)
Vieira, J. E. (A)
Wemer, G. L. (M)
Windsor, R. T. (A)
Wolfskill, J. M. (M)
Young, F. R. (M)

Export (PIT-4) Jones, G. E., Jr. (M) Putkovich, R. P. (A)

Exton (PHI-3) Reisener, W. C., Jr. (M)

Fairless Hills (PHI-3) Gallagher, J. E. (A)

Falisington (PHI-3) Maddox, J. A. (M)

Flourtown (PHI-3)
Bartels, H. C., Jr. (A)
Bruno, A. (M)
Chase, B. G. (A)
Kishaugh, A. W. (M)
Lynch, C. V., Jr. (M)
Marcus, H. M. (A)
O'Brien, J. F., Jr. (A)
Perkins, H. A., Jr. (M)
Spindler, C. W., Jr. (SM)

Folcroft (PHI-3) Cunningham, W. G. (M) Will, H. C. (M)

Ford City (PIT-4) Tihanovich, W. P. (A)

Forest City (PHI-3) Jergel, R. F. (A)

Fort Washington (PHI-3) Jacoby, M. (M) Price, R. (A) Schantz, J. S. (VA)

Frackville (PHI-3) Cooper, E. J. (M) Troyanoski, W., Jr. (M)

Freedom (PIT-41) Swartz, F. E. (A)

Fullerton (P-LV-3) Moyer, R. H. (M) Schelrer, R. D. (M)

Gettysburg (PHI-L-3) Cain, M. F. (M)

Gibsonia (PIT-4) Haube, J. C. (A)

Gladwyne (PHI-3) Dever, J. A. (M) Eckert, J. P., Jr. (F) Owings, J. L. (M)

Glassport (PIT~4) Leib, F. E. (M Pudlak, A. (A) (M)

Glen Lyon (PHI-3) Wright, J. E. (M)

Glen Mills (PHI-3) De Prisco, C. F.. (A)

Glenolden (PHI-3) Stott, H. B. (SM)

Glenshaw (PIT-4)
Horlbeck, W. E. (M)
Komar, J. C. (M)
Springer, C. J. (A)
Suter, S. G. (M)
Van Nice, R. I. (M)

Glenside (PHI-3) Beardwood, J. T., III (M) Beaumont, W. H. (M) Beaumont, W. H. (M)
Bobb, L. J. (M)
Brown, D. G. (A)
Chedaker, J. (A)
Irwin, R. R. (A)
Montgomery, A. P. (SM)
Plotkin, I. (M)
Stain H. (SM) Stein, H. B. (SM) Taylor, J. R. (M) Wilson, H. R. (M) Wood, H. O. (SM)

Gouldsboro (PHI-3) Pelick, J., Jr. (A)

Green Lane (PHI-3) Rabb, J. W. (M)

Greensburg (PIT-4) ensburg (PIT-4)
Baldwin, C.H. (SM)
Bosted, N. P. (A)
Courty, C. H. (M)
Lamorte, M. F. (A)
Lynch, R. D. (M)
New, T. C. T. (M)
Weber, E. V. (M)

Greenville (PIT-4) Greene, R. L. (M) Schomburg, W. K. (M)

Gwynedd Valley (PHI-3)

Hanover (PHI-L-3) Rohrbaugh, P. A. (A)

Harborcreek (ERI-1) Challstrom, K. I. (M)

Harrisburg (PHI-L-3)
Fuller, R. S. (M)
Harris, T. R. (A)
Heist, H. E., Jr. (A)
Holcombe, M. M. (SM)
Kelley, O. G. (A)
Middleton, W. W. (M)
Moretz, L. A. (M)
Peffer, R. M. (M)
Reisch, F. E. (M)
Shuey, D. R., Jr. (M)
Strickland, J. L. (M)
Wachtman, G. S. (SM)
Whitley, J. H. (A)

Hartsville (PHI-3) Frekot, J. J. (M) Hermann, D. C. (M) Snook, J. E. (M) Wullert, J. R. (SM)

Hatboro (PHI-3)
Aurelius, K. P. (A)
Ayers, J. B. (M)
Baxter, K. W. (M)
Bearscove, K. O. (M)
Brooks, C. E. (M)
Bryan, J. S. (M)
Buscher, D. G. (M)
Butterloss, E. J. (A)
Cramton, F. N. (A) (M) Dietz, W. J. (A)
Doerfel, H. V. (M)
Espig, M. A. (A)
Fedde, G. A. (M)
Fitzpatrick, J. F. (M)
Fortlnl, M. M. (M)
Gretinl, M. M. (M)
Gretinl, M. M. (M)
Gretinl, M. M. (M)
Horitann, M. (M)
Horitannn, M. (M)
Horitann, M. (M)
Horitann, M. (M)
Horitann, M. (M)
Horita Krishnaswamy, P. B. (M Lichtenfels, J. L. (M) Long, M. L., Jr. (SM) Martin, H. B. (M) Massey, T. J., Jr. (M) McWilliams, C. R. (M) McWilliams, C. R. (M)
Miles, T. J. (SM)
Miles, T. J. (SM)
Miller, R. (M)
Patterson, T. A., Jr. (A)
Richter, H. K. (A)
Roschen, J. (M)
Saboe, J. (M)
Senulis, R. E. (M)
Steele, E. R. (M)
Steele, E. R. (M)
Swanson, C. I. (A)
Triley, J. W. (SM)
Trieb, M. (M)
Triest, M. (M)
Williams, G. C. (M)

Hatfield (PHI-3)
Barclay, F.T. (M)
Insinger, R.H., Jr. (M)
Smith, D.J. (A)

Havertord (PHI=3) erford (PHI-3)
Benham, T. A. (SM)
Crawford, A. L., Jr. (SM)
Rauch, R. M. (A)
Schwennesen, D. (M)
Weiner, J. R. (SM)

Havertown (PHI-3)

rertown (PHI-3)
Andes, J. H. (A)
Apolito, P. L. (M)
Beck, J. J. (SM)
Consalvi, A. L. (SM)
Crawford, C. S., Jr. (A)
Crockett, J. G. (M)
Devenny, C. F., Jr. (M)
Devenny, C. F., Jr. (M)
Devenny, C. F., Jr. (M)
Dytr, L. F. (M)
Dytr, L. F. (M)
Schner, A. H. (M)
Fulmer, J. W. (M)
Gilligan, T. E., Jr. (M)
Hastings, J. A. (M)
Henry, A. T. (A)
Kauders, R. M. (M)
Koch, J. F., Jr. (SM)
Ladenson, M. (A)
Liston, J. (B)
Miehle, W. (M)
Miehle, W. (M)
Miehle, W. (M)
Miscio, J. (A)
Napolitano, P. (M)
Satchell, T. A. (M)
Reid, J. M. (M)
Sateriwaite, W. F. (M)
Sateriwaite, W. F. (M)
Sateriwaite, W. F. (M)
Sateriwaite, W. F. (M)
Woll, C. F. (SM)
Woll, C. F. (SM)
Wynne, J. J. (M)
Zappacosta, A. D. (M)

Hazleton (PHI-3)
Butterwick, G. N. (A)
Gans, J. S. (A)
Lindermuth, G. (A)
Steckert, J. W. (M)
Walker, M. J. (M)

Hellam (PHI-L-3) Megargel, L. R., Jr. (M) Schmidt, E. W. (M) Swengel, R. C. (A)

Hershey (PHI-L-3) Smith, E. C. (M)

Highspire (PHI-L-3) Miller, P. M. (M)

Hilliards (PIT-4) Boyd, D. B. (A)

Holicong (PHI-3) Dulberger, L. H. (M)

Holland (PHI-3) Schwartzberg, H. L. (M)

Hollidaysburg (PIT-4) Kilgore, W. (M)

Holmes (PHI-3) Warner, H. (M)

Homestead Park (PIT-4) Cauley, T.K. (M)

PENNSYLVANIA - 539 -

Horsham (PHI-3) Bucks, R.M. (A) Tremblay, H.G. (A)

Houston (PIT-4) Wagner, F., Jr. (A)

Itingdon Valley (PHI-3)
Angell, J.B. (SM)
Boothroyd, W.P. (F)
Borden, C.C. (A)
Brady, P.B. (SM)
Erie, S.D. (M)
Forell, H.K. (A)
Freeland, E.C. (SM)
Freeland, H.E. (M)
Gilman, H. (M)
Gotze, A.J. (M)
Gilman, H. (M)
Gotze, A.J. (M)
Hoffman, M. (M)
Jensen, R.D. (M)
Lee, C.F. (A)
Lorant, L. (SM)
Moore, R.C. (F)
Munster, A. C. (SM)
More, R.C. (F)
Munster, A. C. (SM)
Dliver, W.G. (M)
Riester, H.A. Jr. (M)
Ruehlemann, H.E. (SM)
Schulze, H.E. (M)
Spieler, A. (A)
Vallette, C.N. (M)
Vallette, C.N. (M)
Welsh, W.J. (M)
Welsh, W.J. (M)
Welnberg, I. (M)
Welnberg, I. (M)
Welnberg, I. (M)
Williams, M.A. (SM)
iana (PIT-4) Huntingdon Valley (PHI-3)

Indiana (PIT-4) Hitchcock, R. C. (SM)

Irwin (PIT-4)
Brook, A. (A)
Heesas, E.L. (M)
Jud, H.G. (M)
Kinder, H.R. (M)
Mucci, G. (M)
Place, W.P. (M)
Ratsch, H.J. (M) Riemersma, H. (M) Rowe, I. (M) Wagner, H.A. (SM) White, C.W. (A) Wissman, A.J. (M) Wright, E.B. (M)

tyytand (PHI=3) Erickson, M.L. (A) Lee, W.S. (M) Rogers, D.H. (M)

Jamison (PHI-3) McClure, K.M. (M)

Jeannette (PIT-4) Chick,R.F. (A) Kihchel, D.D. (M) Mulica, A.R. (M)

Jeddo (PHI-3) Kallessar ل. J. (M)

nkintown (PHI-3)
Caplan, N. (SM)
Caplan, N. (SM)
Clark, W. R. (SM)
Frear, W. (SM)
Glasby, W. E. (M)
Hill, J. E. (M)
Husband, R. R. (M)
Koehler, J. F. (SM)
Lamagan, J. G. (A)
Laurent, G. J. (SM)
Laurent, G. J. (SM)
Liebscher, A. (SM)
Myers, A. S. Jr. (SM)
Myers, A. S. Jr. (SM)
Overdeer, R. H. (SM)
Peltz, W. J. (SM)
Sepaliban, A. H. (A)
Stewart, G. H., III (M) Jenkintown (PHI-3)

Jersey Shore (WIL-4) Johnson, C.E. (M)

Johnstown (PIT-4) Campbell, T.E. (A) Friedman, M.I. (A) Kocsan, E. S. (M) Shostek, R.E. (M) Smith, R.F. (M) Sodano, R.D. (A) Straub, N.L. (A) Treimer, J.A. (M) Vrooman, A.L. (A) Wood, J.E., Jr. (M)

Johnsville (PHI-3) Kemp, J.C., Jr. (M) Nupp, W.D. (A) Nupp, W.D. (A)
Pickett, H.D. (A)
Polhemus, G.C. (M)
Sander, R.E. (M)
Stobie, E.F. (M)
Vasaka, C.S. (SM)
Walker, H.R. (M) (M)

Karthaus (FMP-4) McMillan, R.E. (SM) Kennerdell (PIT-4) Smith, S.A. (A)

g Of Prussia (PHI-3)
Attarian, R. V. (M)
Dix, T. S., Jr. (SM)
Dix, T. S., Jr. (SM)
Galbraith, J. R. (A)
Gregory, T. R. (M)
Hand, G. C., Jr. (M)
Holeczy, A. A. (A)
Joos, J. W. (M)
Kuther, N. H. (M)
Longo, J. F. (M)
Longo, J. F. (M)
Millet, M. R. (M)
Dsbahr, B. F. (SM)
Regan, J. V., Jr. (M)
Schneider, R. P. (M)
Selly, E. E. (M)
Selly, E. E. (M)
Selly, E. E. (M)
Weight, A. S. (A)
Weaver, R. L. (M)
Wright, J. A. (M) King Of Prussia (PHI-3)

Kingston (PHI-3) Sakoski, C. (A)

Kittanning (PIT-4) Golia, E.F. (SM)

Kutztown (PHI-R-3) Tawney, G. L. (SM)

Lafayette Hill (PHI-3)
Bloomsburgh, R. A., Jr. (M)
Clark, W. A. (M)
McKee, G. R., Jr. (M)
Scott, C. H., Jr. (M)
Zuck, R. A. (A)

Lake Ariel (PHI-3) Grimditch, W. H. (SM) Harris, W. C. (M)

Lake Lynn (PIT-4) Shibler, W. (A)

Lakeville (PHI-3) Greenfield, J. C. (M)

Lampeter (PHI-L-3) Damon, P. P. (A)

Lancaster (PHI-L-3)
Almond, W. R. (M)
Ayer, R. B. (SM)
Bedrosian, P. G. (A)
Beidler, R. T. (M)
Bennett, W. P. (SM)
Bixler, R. T. (SM)
Bixler, R. T. (SM)
Bixler, R. T. (SM)
Brown, B. B. (M)
Brown, B. B. (M)
Brown, B. B. (M)
Class, J. S. (A)
Comins, A. W. (SM)
Cralg, M. E. (M)
De Lanery, W. B. (M)
De Lanery, W. B. (M)
Des Rochers, R. D. (M)
Doner, C. E. (M)
Dreyer, K. (SM)
Duckworth, G. W. (M)
Dyall, W. T. (SM)
E'Del, R. R. (M)
Enck, F. D. (SM)
Estein, D. W. (F)
Evans, J. (M)
Fendley, J. R., Jr. (A)
Forman, J. M. (M)
Freund, W. H. (M)
Gadbois, G. S. (A)
Gaylord, J. W. (M)
Grimm, A. C. (SM)
Hansell, G. E. (A)
Harsh, M. D. (M)
Harsh, M. D. (M)
Hershenson, L. H. (M)
Hilegass, H. N. (M)
Hoover, M. V. (M)
Johnson, J. K. (SM)
Kaseman, P. W. (M)
Kitchen, R. F. (M)
Kuwabara, T. (M)
Mondell, G. E. (A)
Mark, J. T. (A)
Mathiot, J. E. (M)
McNees, S. G. (M) McNickle, R. E. (M)
Mengle, L. I. (M)
Mengle, L. I. (M)
Metger, P. A. (M)
MIller, L. D. (M)
Moodey, H. C. (SM)
Nekut, A. G. (SM)
Pickard, J. B. (M)
Quinn, J. L., Jr. (M)
Ransom, D. J. (M)
Reed, R. E. (M)
Rodes, R. E. (M)
Rodes, A. A. (SM)
Schumacher, R. T. (M)
Scott, G. W., Jr. (SM)

Siegler, H. B. (A)
Sinctair, R. R. (A)
Sinctair, R. R. (A)
Smith, C. P. (SM)
Spangler, R. G. (A)
Spitzer, E. E. (F)
Stern, S. (A)
Stone, R. P. (SM)
Stone, R. P. (SM)
Stone, R. P. , Jr. (M)
Trytko, E. F. (A)
Uyeda, Y. (M)
Van Asselt, R. L. (SM)
Van Omer, D. D. (M)
Veith, F. S. (SM)
Warshaw, J. (M)
Weaver, J. L. (M)
Weaver, J. L. (M)
Wenger, L. S. (SM)
Yingst, T. E. (M)
Zachariason, R. H. (SM)
Zachariason, R. H. (SM)
Zachariason, R. H. (SM) (SM)

Langhorne (PHI-3) Bayliss, B. F. (M)
Brown, J. N. (M)
Cooley, C. C., Jr. (A)
Ryan, T. J. (SM)

Cooley, C. C., Jr. (A)
Ryan, T. J. (SM)

Bonk, P. J. (M)
Carney, R. W. (M)
Clarke, C. E. (M)
Gable, N. P. (M)
Granger, B. W. (A)
Gray, C. R. (M)
Halmowitz, B. (M)
Ishler, H. K. (SM)
Levy, S. L. (SM)
Levy, S. L. (SM)
Mandelkom, R. S. (SM)
Mocotter, J. D., Jr. (A)
Misra, R. P. (SM)
Moll, W. H. (M)
Mosenkis, R. (M)
Pratt, G. W. (M)
Schmigt, C. F., Jr. (A)
Schmable, G. L. (A)
Suss, J. A., Jr. (SM)
Smith, W. E. (M)
Spencer, G. R. (M)
Tague, C. B., Jr. (M)
Thornton, C. G. (SM)
Waite, G. C. (M)
Wells, R. J. (M)
Isdowne (PHI-3)
Ambroni

Lansdowne (PHI-3) Isdowne (PHI-3)
Ambrogi, J. N., Jr. (M)
Brumbaugh, J. M. (SM)
Candell, G. W. (M)
Ellis, D. J. (M)
Felton, W. W. (SM)
Foster, W. P. (M)
Pappas, C. (M)

Latrobe (PIT-4)
Albert, D. E. (M)
Dorn Thomas, J. E. (M)
Guidos, B. W. (A)
Monari, A. J. (A)

Lemoyne (PHI-L-3) Smiley, W. A. (VA)

Laureldale (PHI-R-3) Amron, I. (A)
Embree, M. L. (A)
Miller, L. E. (SM)

Lebanon (PHI-L-3) Horst, E. P. (M) Kiscadden, G. G. (M)

Horst, E. P. (M)
Kiscadden, G. G. (M)
Kiscadden, G. G. (M)
Levittown (PHI-3)
Abrams, J. J. (M)
Alres, R. H. (M)
Amodei, J. J. (M)
Barnette, W. E. (A)
Bell, C. V. (M)
Bensky, L. S. (M)
Bosy, H. N. (A)
Bradshaw, G. V., Jr. (M)
Breshling, G. E. (M)
Breshling, G. E. (M)
Coloman, A. H. (M)
Colodny, S. H. (SM)
Coloman, A. H. (M)
Coloman, A. H. (M)
Coloman, C. P. (M)
Dixon, G. P. (M)
Dixon, G. P. (M)
Dixon, G. P. (M)
Eby, J. A. (M)
Eligner, H. (SM)
Elion, H. A. (M)
Eligner, H. (SM)
Elin, H. A. (SM)
Ewald, W. J. (A)
Farrelly, R. J. (A)
Farrelly, R. J. (A)
Farrelly, R. J. (A)
Fink, E. A. (M)

Finn, H. M. (S M)
Foster, L. E. (M)
Furstein, R. A. (M)
Given, W. H. , III (A)
Gleason, H. H. (S M)
Goldstone, B. J. (M)
Halprin, J. (A)
Halprin, J. (A)
Haneman, W. J. (M)
Heinaman, H. B., Jr. (M)
House, H. J. (M)
Jackson, W. K. (M)
Jessen, F. A., Jr. (M)
Junker, F. A., Jr. (M)
Junker, E. S. (M)
Jurkevich, I. (A)
Kaden, G. (M)
Krieg, S. (M)
Krieg, S. (M)
Lathrop, P. A. (M)
Lathrop, P. A. (M)
Lathrop, P. A. (M)
Lathrop, P. A. (M)
Ludwiczał, T. A. (M)
Miller, E. (M)
Miller, E. (M)
Miller, E. (M)
Miller, M. A. (M)
Mondress, M. (M)
Nachman, M. W. (M)
Nichols, R. (A)
Ogawa, H. F. (A)
Potsky, M. (M)
Powell, W. E., Jr. (M)
Rosen, B. H. (M)
Rosen, B. H. (M)
Rosen, B. H. (M)
Silveman, M. (S)
Silvieman, M. (A)
Solomon, H. (A)
Sullivan, F. J. (M)
Trilling, T. R. (M)
Turner, R. L. (M)
Turner, R. L. (M)
Turner, R. L. (M)
Welnbeimer, F. E. (A)
Weisman, S. M. (M)
Wold, R. F., Jr. (SM)
Welnbeimer, F. E. (A)
Weisman, S. M. (M)
Wickoy, J. E. (M)
Willor, J. E. (M)
Welnbeimer, F. E. (A)
Weisman, S. M. (M)
Wodo, R. F., Jr. (SM)
Welper, K. S. (M)

Lewisburg (WIL~4) Irland, G. A. (M) Mathias, J. P. (A) Walker, R. C. (M) Webb, H. E. (M)

Lewistown (WIL-4) Gardner, G.F. (M)

Liberty (ELM-C-1) Frutiger, W. A. (M)

Line Lexington (PHI-3) Schramm, J. A. (M)

Lititz (PHI-L-3) Grosh, J. B., III (M) Sheffy, H. J. (M)

Linglestown (PHI-L-3) Fritz, W. B. (A)

Lionville (PHI-3) Lynch, J. T. (M)

Lock Haven (WiL-4) Cooney, T.D. (M) Young, G.D. (A)

Lynnport (P-LV-3) Klingaman, G. W. (M)

Macumgle (P-LV-3) Nelson, M.F. (A)

Malvem (PHI-3) vem (PHI-3)
Balakian, G. (A)
Bedrosian, S. D. (SM)
Brigos, T. H. (SM)
Dowds, T. A. (M)
Durfee, G. H. (M)
Grafinger, A. B. (SM)
Greenblatt, R. C. (A)
Hood, C. E. (SM)
Nins, W. A. (A)
Pedersen, J. H. (A)
Reiss, H. R. (M)
Skinner, N. W. (A)
Ten Broech, C. A. (M)
Wachter, W. J. (M)
Weisneherger, A. J. (M)

Manor (PIT-4) Anderson, J.W. (A) Maple Glen (PHI-3) Wood, W.M. (A)

Marcus Hook (PHI-3) Alexander, F.C., Jr. (SM) Imboden, H.B. (SM) Smith, D. J., III (M)

Marietta (PHI-L-3) Dboryshko, H (M)

Mars (PIT-4) Berninger, J.W. (A)

McAdoo (PHI-3) Student, S. G. Jr. (M)

McKeesport (PIT-4) Andrews, F.J. (M) Levine, M. (M) Morabito, R.A. (M) Vogt, W. G. (M)

McKees Rocks (PIT-4) Vargo, M.S. (M) Zellner, F. L. Jr. (A)

Meadowbrook (PHI-3) sdowbrook (PHI-3)
Bingley, F. J. (F)
Dolberg, C. E. (SM)
Fink, D. G. (F)
Forsyth, W.A. Jr. (M)
Greenwood, R.W. (M)
Lukens, R. Jr. (SM)
Reynolds, V. F. (M)
Sheppard, C. B. (M)
Walker, H. (VA)

Meadville (PIT-4) Brown, R. L. (M)

Mechanicsburg (PHI-L-3) Green, R. H. (A) Lerch, D. P. (M) Miller, H. E. (A) Russell, J.D. (M) Sechrist, W. S. (A)

Media (PHI-3)
Bargellini, P. L. (SM)
Bigelow, R. P. (A)
Celent, C. M. (M)
Gray, H. J., Jr. (M)
Kinkead, W. K. (M)
MIller, A. F. (M)
Rhea, H. E. (M)
Salati, D. M. (SM)
Schilpp, J. W. (M)
Ware, A. R. (M)

Mendenhall (PHI-3) Stinger, H.J. (M)

Merion (PHI-3) Adamson, R. G. (M) Colehower, C. H. Jr. (M) Emurian, A. D. (SM)

Merion Station (PHI-3) Bonn, T. H. (SM) Shapp, M. J. (SM)

Meshoppen (PHI-3) Price, C. F. (M)

Meyersdale (PIT-4) Baer, W.E. (A)

Middletown (PHI=1 = 3) dletown (PHI-L-3)
Fostar, M. (A)
Gobel, L. J. (A)
Jankowski, J. A. (M)
Pettersen, E. S. (M)
Steve, W. T. (M)

Millersville (PHI-L-3) Smith, E. M. (M) Weaver, J. E. (A)

MIII Hall (WIL-4) Schnering, C.J. (M)

Mohnton (PHI-R-3) Fister, T. J. (A)

Monessen (PIT-4) Pansino, S. R. (M)

Monongahela (PIT-4) Rockwell, R. R. (A)

Monroeville (PII-4) nroeville (PIT-4)
Cilyo, F. F., Jr. (M)
Coleman, W. E. (M)
Decker, R. W. (M)
Di Carlo, V. J. (A)
Hierholzer, F. J., Jr. (M)
Kardos, L. F. (M)
Kitka, E. J. (M)
Locante, J. (A)
Lyman, R. C. (M)
Muray, R., Jr. (A)
Utt, D. L. (M)
Wright, W. L. (A)

Mont Alto (PHI-3) Clapsaddle, A. B. (M)

Mont Clare (PHI-3) Kaufmann, H. W. (M)

Montoursville (WIL-4) Bennett, A. J. (A) Daley, C. J. (A) Dowden, W. M. (M)

Montrose (PHI-3) Fiore, W. V. (M)

Moosic (PHI-3) Kania, A.T. (M)

Morrisville (PHI-3) Bootherstone, F. B. (A) Mislan, J.D. (M) Riegel, R. B. (M) Wieger, J. J. (A)

Morton (PHI-3) Gaschnig, G. R. (M)

Mount Carmel (WIL-4) Schneider, C. P. (A)

Mount Holly Springs (PHI-L-3 Samuelson, W. H. E. (M)

Mount Joy (PHI-L-3) Dock, S. J., Jr. (A)

Murrysville (PIT-4)
Baker, W. H. (M)
Caywood, W. P., Jr. (SM)
Deoker, R. D. (M)
Jones, C. H. (SM)
Klotzbaugh, G. A. (SM)
Uphoff, R. L. (SM)

Myerstown (PHI-L-3) Sando, G. G. (M)

Nanticoke (PHI-3) Cancellari, N. J. (M) Tullai, J. (M)

Narberth (PHI-3)
Auerbach, I. L. (F)
Brustman, J. A. (F)
Clapp, R. G. (SM)
Forstall, E. L. (SM)
Jeffries, S. A. (M)
Tabor, L. P. (SM)
Williamson, J. F. (VA)
Winsor, P., III (SM)

Nazareth (P-LV-3) Kilpatrick, W. M. (M)

New Britian (PHI-3) West, W. H. (M)

New Cumberland (PHI-L-3) Brucklacher, J. E., Jr. (N Hanemann, H. A., Jr. (A) Houck, G. R. (A) Keat, J. E. (M) (M)

Newfoundland (PHI-3) Wohlfart, E. (A)

Ansley, A. C. (VA)
Ansley, A. C. (VA)
Chadwick, P. S. (A)
Goodwin, W. N., Jr.
Karaczan, W. W. (M)
Stitz, K. W. (M) (F)

New Kensington (PIT-4) Rrouwer, N. L. (M)
Hoch, F. R. (M)
Panian, F. C. (M)
Robl, R. F., Jr. (SM)
Signorella, J. E. (A)
Zubek, J. (M)

New Stanton (PIT-4) Forbes, N. A. (M)

Newtown (PHI-3) ntown (PHI-3)

Beck, K. H., Jr. (M)

Beck, K. H., Jr. (M)

Cushman, R. W. (M)

Ghebeles, G. C. (A)

Gould, D. F., II (M)

Lambert, C. R. (M)

Small, H. E. (M)

Yerkes, H. W. (A)

Newtown Square (PHI-3) wtown Square (PHI-3)
Bachofer, H. L. (A)
Ditkofsky, H. (M)
Fussell, R. L. (M)
Gariano, W. F. (SM)
Howitz, J. D. (A)
Howitz, J. D. (A)
Johnson, F. L. (M)
Livesay, R. (A)
Post, M. D. (SM)
Schneider, S. (M)
Shawhan, F. N. (M)
Shawhan, F. N. (M)
Thomason, J. F. (M)

Newville (PHI-L-3) McElwain, J. L. (M)

Nicholson (PHI-3) Hricko, R. M. (A)

Noble (PHI-3) Hilliard, D. M. (M)

Norristown (PHI-3) Anderson, D. C. (M) Boscia, S. J. (M) Eisenmann, J. F. (M)

Eisenschmied, M. D. (M)
Flannery, W. E. (M)
Graham, E. C. (M)
Innes, R. B. (M)
Innes, F. T. (M)
Kirkaldy, A. J., Jr. (A)
Lannutti, A. P. (M)
Lee, F. F. (SM)
Leoper, C. J. (M)
McCallister, J. P. (M)
Mcritt, J. E. (A)
Midleton, R. J., Jr. (M)
Numberg, R. K. (A)
Derter, G. W. (M)
Passon, R. F. (M)
Peszka, S. F. (M)
Peszka, S. F. (M)
Pezely, S. J. (M)
Place, S. W. (M)
Rauchwerk, A. (M)
Rauchwerk, A. (M)
Rogers, R. F. (M)
Sandoval, J. (A)
Sonock, W. W. (M)
Stauffer, R. F. (M)
Stauffer, R. F. (M)
Veaton, R. B. (M)
Veaton, R. B. (M)
Veaton, R. B. (M)
Zem, R. T. (M) Eisenschmied, M.D. (M)

North Hills (PHI-3) Deemer, R. W. (M) Moore, W., Jr. (M) Stahl, R. W. (M) Vick, A. J. (M)

North Wales (PHI-3) th Wales (PHI-3)
Bergstrom, C. J. (A)
Burkart, D. P. (M)
Davis, H., III (M)
Ekiss, J. A. (M)
Fraumfelder, J. A. (M)
Gizewicz, J. F. (A)
Henderson, F. C. (M)
Oplinger, E. J. (M)
Stanwood, R. H. (A)

Norwood (PHI-3) Biscardi, J. J. (M)

Oakford (PHI-3) Hoffman, N. N. (M)

Oakmont (PIT-4) Dimasi, L. A. (M) Mattes, F. J. (M) Muffly, G. (SM)

Diey (PHI-R-3) Franke, R. B. (A) Noll, E. M. (A)

Orefield (PHI-3) Alierton, G. L. (SM)

land (PHI-3)
Altemus, W. C. (M)
Clark, E. G. (M)
Comeau, C. P. (A)
Garden, M. (M)
Halsted, C. P. (A)
Hargens, C. W., III (SM)
Jacobs, E. (A)
Keener, C. E. (SM)
Keiper, F. P., Jr. (M)
Lawrence, J. D., Jr. (M)
Lawrence, J. C. (M)
Maher, W. F. (A)
Mehr, E. J. (M)
Melson, F. H. (M)
Preston, G. W. (SM)
Zwart, C. (M)
Zwart, C. (M)
Zwart, C. (M) Oreland (PHI-3)

Oxford (PHI-3) Mallalieu, F. R. (SM)

Palmerton (PHI-3) Swanson, H. E. (M)

Di (PHI-3)
Bradley, R. E. (M)
Caldwell, R. P. (M)
Caldwell, R. P. (M)
Collier, D. M. (SM)
Dailberg, R. S. , Jr. (SM)
Engleman, R. (M)
Fasko, E. A. (M)
Fasko, E. A. (M)
Faulis, D. R. (A)
Fegley, K. A. (M)
Fissell, C. , Jr. (A)
Flanagan, F. M. (M)
Gottschalk, J. M. (M)
Howard, J. H. (SM)
Landrey, L. R. (SM)
Landrey, L. R. (SM)
Lardrey, L. R. (SM)
Lawser, C. T. (M)
Lawser, C. M. (M)
Lawser, Paoli (PHI-3)

Sowell, J. B. (M) Starr, D. A., Jr. (M) Stevens, A. W. (A) Taylor, H. W. (M) Witherspoon, J. M. (SM)

Paxinos (WIL-4) Farr, K. E. (SM)

Penndel (PHI-3) Evflmenko, A. (A)

Perkasie (P-LV-3) Soltau, R. H. (M)

Perkiomenville (PHI-3) Dkada, R. H. (M)

remenville (PHI-3)
Dkada, R. H. (M)
Philadelphia (PHI-3)
Abend, K. (M)
Abend, K. (M)
Aberth, O. (A)
Adamson, P. R. (M)
Adder, D. G. (M)
Affel, H. A., Jr. (SM)
Albright, R. B. (SM)
Albright, R. B. (SM)
Alpright, R. B. (SM)
Alpright, R. B. (SM)
Alperth, D. (M)
Aseniero, W. L. (M)
Backman, B. E. (M)
Back, G. I. (F)
Ames, M. E., Jr. (M)
Anderson, J. C. (M)
Anderson, J. C. (M)
Anderson, J. C. (M)
Back, G. I. (F)
Ames, M. E., Jr. (M)
Back, G. I. (F)
Ames, M. E., Jr. (M)
Back, J. (M)
Back, J. (M)
Barend, J. (M)
Barend, J. (M)
Barth, R. A. (M)
Barth, R. A. (M)
Barth, R. A. (M)
Barth, R. A. (M)
Battle, W. J. (M)
Bash, I. F. (M)
Bash, I. F. (M)
Beaver, R. W. (A)
Beaver, M. W. (M)
Beaver, M. W. (M)
Bedy, R. W. (M)
Belt, R. R. (M)
Bell, R. R. (M) Beltramo, J. R. (A)
Belz, R. L. (M)
Benima, D. (A)
Benjamin, D. (A)
Benjamin, J. M., Jr. (SM)
Benson, S. E. (M)
Benson, S. E. (M)
Benson, S. E. (M)
Berson, J. (M)
Bibernan, L. S. (M)
Bibernan, L. S. (M)
Bibernan, L. S. (M)
Bibernan, L. S. (M)
Biselow, J. F. (M)
Binzon, J. E. (M)
Binzon, J. E. (M)
Bondosian, W. H. (M)
Bondosian, W. M. (M)
Bradley, W. E. (F)
Bradshaw, J. L. (M)
Brasley, M. J. (M)
Brasley, M. J. (M)
Brasley, J. G. (F)
Brett, G. F. (M)
Brisk, H. L. (A)
Brawley, H. E., Jr. (M)
Branerd, J. G. (F)
Brett, G. F. (M)
Burgett, M. H. (M)
Burgett, M. H. (M)
Burgett, M. H. (M)
Burgett, M. H. (M)
Carlson, E. (M)
Carpellotti, L. T. (SM)
Carbers, A. C. (SM)
Byrer, J. J. Jr. (A)
Campbell, J. K. (A)
Camberlin, N. K. (M)
Cathers, H. W. (A)
Cathers, H. W. (A)
Cathers, H. W. (A)
Chambers, C. C. (F)
Chance, B. (F)
Chang, J. J. (M)
Challine, J. D. Jr. (M)
Challine, J. D. Jr. (M)
Challine, J. C. (M)
Clark, F. R. (A) Closson, L. E. (SM)
Cobum, J. M. (M)
Cobum, J. M. (M)
Cobum, J. L. (SM)
Cohen, B. H. (M)
Coles, T. F. (M)
Coles, R. V. (SM)
Coles, R. V. (M)
Coles, R. V. (M)
Coles, R. V. (M)
Coles, R. V. (M)
Comestakes, J. E. (A)
Cotting, R. V. (M)
Cromestakes, J. E. (A)
Cotting, R. V. (M)
Cramer, B. G. (M)
Cramer, B. G. (M)
Cramer, B. G. (M)
Cramer, B. G. (M)
Cummings, E. J. (M)
Cummings, E. J. (M)
Cummings, E. J. (M)
Cummings, E. J. (M)
Daniels, J. J. J. (M)
D'Amico, J. R. (M)
D'Amico, J. R. (M)
Davis, R. P. (M)
Davis, T. F. (M)
Davis, T. F. (M)
Decton, R. A. (M)
Debhakta, P. N. (A)
Deysher, J. B. (A)
Diring, G. W. (M)
Dibmin, G. W. (M)
Di Giacomo, J. J. (M)
Di Giacomo, J. J. (M)
Di Oberty, W. E., Jr. (M)
Dowor, S. (A)
Doviak, R. J. (M)
Edelman, S. C. (M)
Edelman, S. C. (M)
Ellis, J. A. (A)
Emerson, K. H. (SM)
Edelman, S. C. (M)
Ellis, J. A. (A)
Emerson, K. H. (SM)
Estershin, H. (SM)
Estershin, H. (SM)
Estershin, H. (M)
Ellist, J. A. (M)
Finder, R. D. (M)
Filder, R. E. (M)
Frank, A. I. (M)
Filder, C. J. (SM)
Friedman, R. E. (M)
Frody, J. J. (M)
Food, R. F. (M)
Friedman, R. E. (M)
Friedman, M. (M)
Friedman, Fuchs, A. M. (M)
Fujlmoto, A. (M)
Fujlmoto, A. (M)
Gaither, L. E. (SM)
Gardner, W. H. (A)
Gelb, H. A. (A)
Gelfand, R. (A)
Gelfand, R. (A)
Gelfand, R. (A)
Gelflaus, K. M. (M)
Gerber, E. L. (M)
Geselowitz, D. B. (A)
Gilbert, W. E. (SM)
Gillier, J. H. (SM)
Gilman, H. D. (M)
Gilman, W. L. (M)
Gittens, V. S. (A)
Giordano, M. J. (M)
Glace, K. (M)
Glace, K. (M) Glassman, I. (M)
Goldich, N. (A)
Goldman, A. (M)
Goldman, R. L. (M)

Goldstein, I. E. (SM)
Goldstein, P. (A)
Goodman, J. H. (M)
Goodman, R. M. (SM)
Goodwin, D. P. (M)
Gollub, R. (M)
Grande, F. M. (M)
Gravel, A. J. (A)
Grieco, L. (M)
Griffin, E. H. (M)
Griffin, G. (A)
Griffith, C. H. (A)
Groon, J. G. (A) Gron, J. G. (A)
Gross, A. M. (A)
Gross, A. M. (A)
Gross, M. A. (M)
Grossman, S. (A)
Gudis, R. S. (A)
Haas, N. V. (M)
Hadley, A. M. (S M)
Hafler, D. (A)
Halleynsky, G. D. (M)
Hamilton, S. (S M)
Hardiman, E. R. (M)
Harris, H. H. (S M)
Hard, D. J. (S M)
Hart, D. J. (M)
Hebert, E. J. , Jr. (M)
Hebert, E. J. , Jr. (M)
Hebert, E. (M)
Helen, E. (M)
Helminger, J. H. (M)
Heminger, J. M. (M)
Hollinder, G. L. (S M)
Hiller, G. (M)
Hiller, G. (M)
Hiller, G. (M)
Hiller, G. (M)
Hollinder, G. L. (S M)
Hollinger, R. A. (M)
Hollin Karmiol, E. D. (Karr, C.H. (M) Kashtan, S. (A) Kass, S. (M) Katz, A. S. (M) Katz, S. (SM) Katz, S. (SM)
Kaufman, E. J. (A)
Kaufman, R. A. (M)
Kell, O. C., Jr. (M)
Kenny, H. W. (A)
Kennys, A. (M)
Keroes, H. I. (A)
Kimel, H. (M)
Kimel, H. (M)
King, W. C. (SM)
Kink, D. B. (M)
Kine, S. (M)
Knaff, P. R. (A)
Knipe, W. T. (M)
Koblenz, A. M. (M) Knipe, W. T. (M)
Koblenz, A. M. (M)
Kocher, W. H. H. (M)
Kolodner, M. (M)
Komfield, N. R. (M)
Korsich, R. J. (M)
Kostidar, A. (M)
Kostidar, A. (M)
Koval, J. F. (M)
Koval, J. F. (M)
Koval, J. F. (M)
Koval, J. F. (M)
Kraty, R. A. (M)
Kraty, C. R. (SM)
Kraus, C. R. (SM)
Kraus, F. A. (M)
Krendel, E. S. (SM)
Kropp, C. W. (M)
Ku, Y. H. (SM)
Ku, Y. H. (SM) Kuberry, R. W. (M)

Kugler, F. (M)
Kusner, D. B. (M)
Kusner, D. B. (M)
Kyne, T. (M)
Landauer, W. I. (M)
Landauer, W. I. (M)
Lavence, D. H. (A)
Lazinski, R. H. (M)
Leader, R. (A)
Leitch, J. G. (SM)
Leonard, T. V. (A)
Levin, R. (M)
Lewis, E. M., III (M)
Lewis, E. M., III (M)
Lieberman, I. J. (M)
Lindinger, J. L. (SM)
Lindinger, J. L. (SM)
Lindinger, J. L. (SM)
Lindinger, J. (M)
Lisatul, A. G. (A)
Liss, D. M. (M)
Liss, D. M. (M)
Lock, F. J., Jr. (M)
Lock, F. J., Jr. (M)
Locker, R. J. (M)
Loftus, J. A. (M)
Loftus, J. A. (M)
Loftus, J. A. (M)
Logliow, S. (SM)
Lorber, H. (M)
Loveloy, C. W. (SM)
Lubow, B. P. (M) Loginow, S. (SM)
Lorber, H. (M)
Loveloy, E. W. (SM)
Lubow, B. P. (M)
Luce, R. C. (A)
Luceders, L., Jr. (A)
Lukoff, H. (SM)
Lukoff, H. (SM)
Lynch, T. J. (M)
MacDonald, R. D. (A)
Mac Fadden, W. C. (M)
Mac Williams, J. E. (M)
Maddox, J. L., Jr. (M)
Maddox, J. L., Jr. (M)
Magasiny, I. F. (SM)
Maguire, H. T. (A)
Mah, L. (M)
Malczynski, J. R. (M)
Malczynski, J. R. (M)
Malczynski, J. R. (M)
Malkin, T. A. (M)
Matase, J. E. (A) Marta, S. V. (MY)
Marta, S. K. (M)
Marbow, S. (M)
Markowitz, R. S. (M)
Markowitz, R. S. (M)
Markowitz, R. S. (M)
Marsele, J. (A)
Marsten, J. (F)
Martin, M. A. (A)
Martire, J. A. (A)
Martire, J. A. (A)
Martire, J. A. (A)
Masurat, G. (M)
Mayer, R. S. (A)
May, K. S. (M)
Mayer, H. C. (M)
Mayer, H. C. (M)
McCarron, F. J. (A)
McCarthy, B. R. (M)
McCarthy, B. R. (M)
McCarthy, F. H. (A)
McCarthy, F. H. (A)
McCarthy, F. H. (A)
McCarthy, T. H. (A)
McCarthy, G. S. (M)
McGarth, J. N. (M)
Michel, C. (M)
Miller, J. (M)
Miller, L. K. (A)
Miller, L. K. (A)
Miller, W. G. Jr. (M)
Monorey, J. Jr. (M)
Monorey, J. Jr. (M)
Monorey, J. Jr. (M)
Monorey, J. Jr. (M)
Moris, L. (C. (M)
Moorey, J. Jr. (M)
Moris, L. (C. (M)
Moorey, J. Jr. (M)
Moris, L. (C. (M)
Moorey, J. Jr. (M)
Moris, L. (C. (M)
Nowere, R. C. (SM)
Neuber, H. K. (M)
Newmeyer, D. R. (M)
Nichol, A. V. (SM)
Neuber, H. K. (M)
Newman, E. L. (M)
Newman, J. J. (A)
Noler, D. J. Jr. (M)
O'Malley, M. (A)
O'Malley, M. (A) Parlin, M. E. (M)
Paskman, M. (M)
Paskman, M. (M)
Patkerson, G. W. (F)
Paz, H. J. (A)
Pearce, C. T. (SM)
Pearson, E. E. (M)
Perles, A. H. (M)
Petres, A. E. (M)
Potres, A. E. (M)
Potres, A. E. (M)
Potres, A. E. (M)
Potres, A. E. (M)
Point, B. H. (M)
Point, B. H. (M)
Porath, N. (M)
Pores, E. N. (M)
Pores, E. N. (M)
Pressman, A. (M)
Pressman, A. (M)
Presman, A. (M)
Raburn, L. E. (SM)
Rachlin, M. (A)
Raffa, P. E. (M)
Rahlin, M. (A)
Raffa, P. E. (M)
Ranbo, L. W. (M)
Ranbo, L. W. (M)
Ranbor, L. W. (M)
Ranbor, T. W. (M)
Ranbor, T. M. (M)
Roser, R. R. (M)
Richer, F. (M)
Richer, F. (M)
Richer, F. (M)
Richer, A. (A)
Royers, D. A. (M)
Royers, D. (M)
Royers, R. M. (M)
Royers, R. J. (M)
Royers, R. J. (M)
Royers, R. M. (M)
Royers, R. M. (M)
Schulet, P. (M)
Schulet, P. (M)
Schulet, P. (M)
Schulet, R. (M)
Sipler, R. A. (M)
Sipler, R. A. (M)
Sipler, R. A. (M)
Sipler, R. M. (M)
Sorian, R. M. (M)
Sorian

Steelman, A. T., Jr. (M)
Stein M. (A)
Stein, S. J. (SM)
Stein, S. M. (M)
Stein, S. M. (M)
Stein, S. M. (M)
Stein, S. M. (M)
Stein, C. J. (M)
Stem, F. (M)
Stem, F. (M)
Stovall, J. R. Jr. (M)
Stratin, G. E. (M)
Stratin, G. E. (M)
Stratin, G. E. (M)
Stratin, C. H. (A)
Stratix, R. G. (M)
Stratix, A. C. (A)
Sullivan, H. B. (A)
Sun, H. (A)
Swider, M. F. (M)
Sukalski, A. C. (A)
Sullivan, H. B. (A)
Swider, M. F. (M)
Szukalski, E. A. (M)
Talbot, S. S. (M)
Tarbley, R. E. (SM)
Tarbley, R. E. (SM)
Tarbley, R. E. (SM)
Tarbley, R. E. (SM)
Torde, C. F. (M)
Ten-Cate W L. (A)
Throckmorton, C. L. (M)
Tillman, A. F. (M)
Todd, C. R. (M)
Tomar R. M. (A)
Tonooka, S. (M)
Torrey, R. D. (M)
Trachtenberg, B. M. (M)
Trachtenberg, B. M. (M)
Trackthan, J. (M)
Torcky, E. V. (A)
Turchi, D. J. (A)
Turchi, D. J. (A)
Turchy, A. (A)
Ulrkowitz, H. (SM)
Ussler, W. Jr. (M)
Valesky, C. S. (M)
Van Basselaere, L. J. (M)
Varallo, F. A. (M)
Varicchio, A. L. (M)
Waren, S. R. (B)
Wallman, J. S. (M)
Wallman, J. S. (M)
Wallman, J. S. (M)
Wallman, J. S. (M)
Wallyko, J. J. (M)
Weiner, R. (A)
Weiner, M. (A)
Weinstock, W. W. (SM)
Weiter, S. R. (M)
Weiter, S. C. (M)
Weist, R. E. (M)
Williams, J. B. (SM)
Williams, J. B. (SM)
Williams, J. J. (F)
Williams, J. J. (F)
Williams, J. J. (M)
Weinstock, W. W. (SM)
Weiter, C. (M)
Weist, J. J. (M)
Weister, G. R. (M)
Williams, J. J. (M)
Weister, G. M)
Williams, J. J. (M)
Weister, G. M)
Williams, J. J. (M)
Williams, J.

Philipsburg (CP-4) Crain, H. M. (SM) Dickey, C. W. (M) Phoenixville (PHI-3) Carter, W. S., Jr. (M) Menges, W. R. (M) Pine Grove Mills (CP-4) Griffin, W. D. (M) Miller, N. B. (M) Pharo, L. C., Jr. (M)

Pineville (PHI-3) Schreiner, W. A. (M)

Pitcairn (PIT-4) Pitcairn (PIT-4)
Gannon, G.F., Jr. (A)
Jones, C. i. (M)
-Kaufman, W. M. (A)
Keener, E. L. (SM)
Kroko, L. J. (A)
McGinley, G.W. (M)
Ramey, R. A. (F)
Raymond, C.G. (A)
Taylor, M. E. (M)

Pittock (PIT-4)

Shyhalla, N. (M) Pittsburgh (PIT-4)
Allen, S. D. (M)
Anderson, A. E. (M)
Angello, S. J. (F)
Aronson, M. H. (M)
Bairobach, R. J. (M)
Baurobach, R. J. (M)
Baurobach, R. J. (M)
Baurobach, R. J. (M)
Bennett, P. F. (M)
Bennett, A. I., Jr. (A)
Betzler, C. J. (M)
Bislenbert, A. I., Jr. (A)
Betzler, C. J. (M)
Bislenbert, A. I., Jr. (M)
Bislenbert, A. Jr. (M)
Bislenbert, A. Jr. (M)
Bislenbert, A. Jr. (M)
Booker, C. A., Jr. (M)
Booker, C. A., Jr. (M)
Bostart, P. N. (F)
Boyer, J. L. (M)
Bright, H. S. (SM)
Brinda, J., Jr. (M)
Browder, F. E. (M)
Bush, N. E. (M)
Bush, N. E. (M)
Calvert, J. F. (SM)
Calvert, J. F. (SM)
Calvert, J. (A)
Chand, H. M. (A)
Chand, H. M. (A)
Chand, H. K. H. (M)
Chand, H. K. H. (M)
Chand, H. K. H. (M)
Chand, H. (A)
Chessavage, A. J. (M)
Cher, J. (M)
Colter, J. (M)
Colter Knox, W. G. (A)
Konnerth, K. L., Jr. (M)
Konnerth, K. L., Jr. (M)
Konserth, K. L., Jr. (M)
Lavia, A. (M)
Lawson, T. R., Jr. (M)
Leaby, E. F. (M)
Leeds, J. V., Jr. (M)
Leeds, J. V., Jr. (M)
Leeds, J. V., Jr. (M)
Leonard, F. J. (M)
Loosdon, G.R. (A)
Libenschek, R. S. (A)
Libenschek, R. S. (A)
Libenschek, R. S. (M)
Loosdon, G.R. (A)
Lubich, J. W. (M)
Mackewicz, T. J. (M)
Mackewicz, T. J. (M)
Mackewicz, T. J. (M)
Mackewicz, T. J. (M)
Mazens, T. J. (M)
Margolis, S. G. (M)
Margolis, S. G. (M)
Margolis, S. G. (M)
Martin, A. V. J. (SM)
McConaughy, D. L. (M)
McChan, W. R. (M)
Menes, M. (M)
Menes, M. (M)
Menes, M. (M)
Mitchell, J. B. (M)
Moore, G. E. (M)
Moss, A. J. (M)
Moss, A. J. (M)
Moss, A. J. (M)
Moss, M. L. (M)
Miller, W. M. (M)
Miller, W. M. (M)
McCannerthy, M. (M)
McCannerthy, M. (M)
McCannerthy, M. (M)
McCannerthy, M. Mounty, N. J., Very Mounty, N. L., Very Mounty, N. L., (A) Newell W. E., (A) Nogole, L. H. (M) O'Donnell, J.J., (M) O'Donnell, J.J., (M) O'Shon, V. O., (M) O'Shon, W. O., (M) O'Shon, W. O., (M) Pawlowski, R. (M) Pawlowski, R. (M) Pawlowski, R. (M) Pawlowski, R. (M) Pickholtz, J. (M) Pickholtz, L. (M) Pittman, P. F. (M) Potter, W. S. (A) Pryor, E. R. (M) Rau, F. J. (M) Potter, W. S. (A) Pryor, E. R. (M) Rau, F. J. (M) Ross, E. J. (M) Ross, E. J. (M) Ross, E. J. (M) Roberts, R. W. (M) Ross, E. J. (M) Sack, E. A., Jr. (M) Sack, E. A., Jr. (M) Sack, E. A., Jr. (M) Schindler, D. G. (M) Schindler, D. G. (M) Schindler, D. G. (M) Schindler, D. G. (M) Schindler, M. G. Tunell, R.H., (A)
Twaska, V.M. (A)
Uleman, T. (SM)
Umbel, F.K. (A)
Unger, E.J. (M)
Vogeley, C.E., Jr. (SM)

Voshall, R. E. (M) Wade, R. A. (M) Walchli, H. E. (SM) Wei, Y. (M) Wexler, C. H. (M) Wexler, C. H. (M)
Wiezorkowski, E. A. (M)
Williams, E. M. (F)
Wolfe, P. N. (M)
Wood, J. E. (M)
Wood, M. G. (SM)
Woodford, J. B., Jr. (SM)
Wyckoff, R. D. (F)
Yarussi, F. P. (A)
Young, F. J. (M)
Zoftel, S. (A)
Zoffel, G. I. (M)

Pittston (PHI-3) Loughney, T. M. (M) Miller, A. N. (M) Moceyunas, A. J. (M)

mouth Meeting (PHI-3)
Appleparth, A. R., Jr. (SM)
Best, D. T. (M)
Broomall, J. M. (SM)
Chamow, M. F. (A)
Ginsberg, A. (M)
Ginsberg, E. M. (M)
Hauer, C. A. (M)
Kyantz, F. H. (M)
Loev, D. (A)
Luscombe, C. F. (M)
Ryesky, A. (M)
Smith, R. C. (M)
Warshaw, C. H. (M) Plymouth Meeting (PHI-3)

Port Matilda (CP-4) Seeley , R . M . , Jr . (M)

Pottstown (PHI-3) Binelli, W. D. (M)
Boyer, N. W. (A)
Mellon, R. E. P. (VA)
Trout, H. J., Jr. (A)

Prospect Park (PHI-3) Babiak, J. (M) Sagan, E.R. (A)

Quakertown (P-LV-3) IRETIONN (P-LV-3)
Anderson, A.E.(F)
Cole, W. P. (SM)
Hendricks, P. S. (VA)
Moose, L. F. (M)
Porter, V. J. (M)

Radnor (PHI-3) Lentz, W. K. (A) Roberts, R. E. (SM)

Lentz, W. K. (A)
Roberts, R. E. (SM)

Reading (PHI-R-3)
Ake, N. E. (M)
Baloaa, J. J. (M)
Bang, R. L. (M)
Bennett, W. F. (A)
Blakely, R. E. (M)
Brader, G. F. (A)
Coldren, S. D. (A)
Emery, L. D., Jr. (M)
Felcht, R. B. (M)
Gable, J. R. (A)
Greely, D. K. (A)
Harlin, W. R. (M)
Hauck, H. S. (M)
Helm, K. P. (M)
Helm, K. P. (M)
Helm, K. P. (M)
Helm, K. J. (M)
Holzinger, C. S. (M)
Lipscomb, R. F. (M)
Lipscomb, R. F. (M)
Myslinski, S. A. (M)
Noll, W. S. (M)
Pomeroy, R. C. (SM)
Radomski, J. J. (M)
Rothermel, R. S. (M)
Schilling, R. G. (A)
Shockley, O. B. (A)
Wentzel, L. S. (A)
Zechman, R. W. (A)
Holzon (PHI-3)
Del Mar, D. (M)

Richboro (PHI-3) Del Mar, D. (M)

Ridgway (EMP-4) Cowles, R. J. (M) Gausman, G. G. (M) Kirkpatrick, D. N. (SM)

Ridley Park (PHI-3) rey Fark (Prit-5)
Blumberg, M. (A)
Dietze, H. D. (A)
Fritz, C. H. (M)
Jamison, J. S. (M)
McWilliams, G. R. (A)
Parris, S. R. (M)
Rowe, L. R. (A)

Rochester (PIT-4) Dolby, L. W., III (A)

Rockwood (PIT-4) Henkels, H. W. (SM)

Ronks (PHI-L-3) Perry, H. E. (M)

Rosemont (PHI-3)
Abernethy, H., III (M)
Garrison, P. A. (M)
Speakman, E. A. (F)

Roslyn (PHI-3)
Bamett, G. F. (M)
Beaver, J. A., Jr. (M)
Butt, S. P., Jr. (A)
Callahan, A. H. (M)
Douglass, F. W. (M)
Grove, L. R. (M)
Hochman S. (M)
Kuter, J. J. (M)
Sayer, T. C. (M)
Silverman, J. B. (M)
Yutz, R. W. (M)

Royersford (PHI-3) Grime, R. (M)

Rydal (PHI-3) Clarke, I. A. (M) Ferrill, T. M., Jr. (SM) Herr, R. F. (SM) Lagore, J. A. (SM)

St. Davids (PHI-3) Gabriel, E.Z. (M) Karcher, R.W. (M)

St. Mary's (EMP-3) Mary's (EMP-3)
Bickmire, R. L. (SM)
Bickmire, R. L. (SM)
Breindel, L. A. (A)
Butler, E. W. (SM)
Dressel, H. (A)
Fritz, C.F. (A)
Fritz, P. L. (M)
Gamer, W. J. (A)
Hoffman, R. R. (SM)
Inge, E. F. (M)
Kerstetter, B. E. (M)
Kerstetter, B. E. (M)
Simbeck, R. H. (M)
Simbeck, R. H. (M)
Sowdon, T. L. (SM)
Sorg, F. X. (M)
Speer, J. S., H (M)
Young, R. W. (M)

Salfordville (PHI-3) Archer, G. R. (A)

Saxonburg (PIT-4) Cooper, R. W. (A) Stuebgen, W. F. (A)

Saylorsburg (PHI-3) Smith, H. A. (A)

Sayre (ELM-C-1) Ball, M. (A) Franklin, B. A. (A)

Schwenksville (PHI-3) De Berardis, A. J. (M)

Scranton (PHI-3) anton (PHI-3)
Cooke, K. R. (A)
Cooke, K. R. (A)
Cowin, N. J. (M)
Drazdauskas, C. J. (M)
Kaplan, M. (SM)
Kelly, J. F. (M)
Kinback, R. W. (M)
Marsinkavage, D.M. (A)
Miller, W. A. (A)
Moschmann, R. G. (M)
Quinn, J. M. (M)
Ringland, R. S. (SM)
Risse, J. A. (M)
Schiller, J. (M)
Schiller, J. (M)
Schiller, J. (M)
Smith, G. (SM)
Thomas, W. F. (M)

Secane (PHI-3) Kranzley, A. S. (M)

Sewickley (PIT-4) Bukoskey, R. M. (A)

Sharon (PIT-4) Barley, C. D. (M)
Bowers, P. R. (M)
Dalton, K. J. (M)
Zahniser, R. M. (A)

Sharon Hill (PHI-3) Ardys, J. (M) Eckert, E. R. (M) Rubinoff, M. (M)

Shenandoah (PHI-3) Kulak, A. J. (M)

Shillington (PHI-R-3) Lundberg, W. R. (M) Swavely, R. S. (A)

Sinking Spring (PHI-L-3) Nester, A. L. (M)

Smethport (EMP-4) Francisco, S. G. (M)

Solebury (PHI-3) Algeo, B. C., Jr. (SM) Somerton (PHI-3) Pharo, E. W., Jr. (M)

Souderton (PHI-3) Lawson, T. C. (M) Smith, H. B. (M)

Southampton (PHI-3)
Barsky, H. S. (SM)
Dempster, B. W. (M)
Grzywacz, W. (M)
Lex, R. G., Jr. (M)
O'Connor, W. B. (M)
Schroeder, A. C. (F)
Thompson, R. L. (A)

South Williams port (WIL-4) Feehrer, M.R. (Lavo, H.J. (M) (M)

Spring City (PHI-3) Clevenstine, W. M. (A) Molotte, D. W. (M)

Springdale (PIT-4) Duris, M. W. (M)

Springfield (PHI-3) ingfield (PHI-3)
Brinton, J. H., Jr. (M)
Brinton, J. H., Jr. (M)
Di Campli, B. A. (M)
Ebling, W. F., Jr. (M)
Hoepfner, K. B. (M)
Hudgins, W. D. (SM)
King, G. W. K. (M)
Laiming, H. J. (SM)
Marcott, C. M. (M)
Metzger, A. C. (M)
Miller, M. N. (M)
Michell, W. J., Jr. (A)
O'Neill, J. F. (M)
Schwartz, R. F. (SM)
Sylvester, R. A. (M)
Wagenseller, J. E. (A)
Weiss, E. (M)
Weiss, E. (M)

State College (CP-4)
Ammerman, C. R. (SM)
Bacchialoni, F. L. (M)
Baker, W. L. (SM)
Barber, K. F. (A)
Bastuscheck, C. P. (SM)
Bastuscheck, C. P. (SM)
Bender, R. M. (M)
Binstock, L. (M)
Binstock, L. (M)
Binstock, L. (M)
Binstock, L. (M)
Bogar, J. E. (M)
Brownield, L. B. (M)
Brownield, L. B. (M)
Brownield, L. B. (M)
Caldine, H. G. (M)
Caldine, H. G. (M)
Caldine, H. G. (M)
Campanella, A. J. (M)
Campanella, A. J. (M)
Carey, D. E. (M)
Carey, D. E. (M)
Carey, D. E. (M)
Davis, M. G. (M)
Dean, J. C. (M)
Dean, J. C. (M)
Dean, J. C. (M)
Dean, J. C. (M)
Einder, C. W. (M)
Eck, R. C. (M)
Einder, J. L. (M)
Fient, D. D. (M)
Fient, D. D. (M)
Fient, D. D. (M)
Fient, P. C. (M)
Fiels, W. D. (SM)
Fient, P. J. (SM)
Geronimo, M. B. (A)
Harlis, V. E. (M)
Harris, V. E. (M)
Herman, E. B. (SM)
Horeck, W. G. (M)
Herman, E. B. (SM)
Horecker, W. J. (M)
Herman, E. B. (SM)
Horecker, W. J. (M)
Herman, E. B. (SM)
Horecker, W. J. (M)
Houser, W. G. (M)
Key, C. L., Jr. (M)
Kausenberger, G. E. (M)
Krausenberger, G. E. (M)
Kub, K. H. (M)
Lawther, L. J. (M)
Lawth Lawther, J. M. (A) Lee, H. S. (M) Leiss, W. J. (SM) Lemley, L. W. (M) Lopez, A. F. (SM) Marcus, R. B. (M) Marcus, R B. (M)
McGallum, R. G. (M)
McGallum, R. G. (M)
McGinley, J. H. (M)
McKinney, D. W. (M)
McLucas, J. L. (SM)
McLucas, J. L. (SM)
Milliken, M. P. (M)
Milliken, M. P. (M)
Milliken, M. P. (M)
Moror, F. B. (SM)
Moore, F. C. (M)
Musser, G. L. (SM)
Nearhoof, H. J. (SM)
Norris, R. S. (M)
Oblinger, J. T. (M)

O'Connor, H. C., Jr. (M.)
Oelbermann, E. J. (SM)
Palmer, J. R. (SM)
Passow, R. L. (SM)
Pelick, T. J. (A)
Perks, N. W. (M)
Quinn, T. P. (M)
Rentschler, M. B. (M)
Rexroat, L. D. (M)
Richardson, E. (M)
Ripple, J. R. (A)
Riter, V. H. (A)
Riter, V. H. (A)
Riter, V. H. (A)
Rix, H. D. (SM)
Rowlands, R. O. (SM)
Rubelli, J. P. (SM)
Santalucia, A. J. (M)
Scheining, F. A. (M)
Shaffer, J. D. (M)
Shaffer, J. D. (M)
Siewers, D. C. (SM)
Siewers, D. C. (M)
Skudrzyk, E. J. (M)
Smith, J. P. (M)
Spackman, R. M. (M)
Stavely, E. B. (M)
Taylor, J. G. (M)
Taylor, J. G. (M)
Traugott, R. D. (M)
Wetter, A. R. (M)
Walker, J. P., Jr. (M)
Wolfe, R. E. (M)
Wurst, J. W. (M)
afford (PHI-3)

Strafford (PHI-3) Mathes, R. E. (F) Upham, S. W. (M)

Sunbury (WIL-4) Roush, J. E. (M) Weber, J. O. (A) Young, R. H. (M)

Swarthmore (PHI-3)
Barus, C. (SM)
Bowler, D. L. (M)
Burtis, S. F., Jr. (M)
Jablonski, E. R. (M)
Johnson, F. M. (M)
Malcomson, J. A. (A)
Roberts, G. A. (M)
Tompkins, H. E. (SM)

Tamaqua (PHI-3) Dignazio, L. A. (M)

Tarentum (PIT-4) Chantler, G. D. (M)

Telford (P-LV-3) Hinds, J. L., Jr. (M) Robinson, S. A. (SM)

Throop (PHI-3) Goodman, J. (M) Yatsko, F. P. (A)

Tobyhanna (PHI-3) Fuqua, H. G. (SM) Jarecki, S. J. (A) Piscatello, D. J. (A)

Towanda (ELM-C-1) Engisch, R. A. ((A)

Trafford (PIT-4) Breakey, G. A. (M)

Trevose (PHI-3) vose (PHI-3)
Bess, T. J., Jr. (M)
Edwards, A. H. (A)
Fath, J. P. (A)
Gorny, D. S. (M)
Hanson, L. B. (A)
Reed, F. F. (M)
Rice, R. A. (M)

Tunkhannock (PHI-3) Inman, A. D. (A)

Turtle Creek (PIT-4) Christensen, B. (N Skinner, D.D. (A) (M)

Tyrone (PI1-4) Gwin, J. D. (M) Kearney, H. B., Jr. (M)

University Park (CP-4)
Bowhill, S. A. (SM)
Brown, J. L., Jr. (M)
Bulman, G. R. P. (M)
Ebaugh, P. (M)
Ross, W. J. (SM)
Schmerling, E. R. (SM)
Smith, R. M. (M)
Walker, E. A. (M)
Waynick, A. H. (F)
Wilson, G. L. (SM)

Upper Darby (PHI-3)
Beane, J. M. (SM)
Bush, B. A., Jr. (A)
Charp, S. (SM)
Chernish, G. (SM)
De Carlo, A. P. (M)
Dinackus, H. G. (M)
Dzwonczyk, J. G. (M)
Garkay, E. (M)
Gerry, M. E. (SM)
Hopkins, V. A. (SM)
McCoy, C. T. (SM)

Mehan, A. J. (M) Pope, R. A. (M) Santaguida, C. (A) Weinberg, H. M. (A (A) Wykstra, E. A. (M)

Valencia (PIT-4) Findley, R. W. (M)

Valley Forge (PHI-3) Register, C. L. (SM)

Verona (PII-4)
Bartholomew, R. R. (M)
Smith, R. E. (M)
Thompson, F. T. (A)
Viener, A. H. (M)

Villanova (PHI-3) anova (PHI-3)
Chen, T. C. (SM)
Dilks, U. C. S. (SM)
Klekotka, J. A. (M)
Lockwood, F. P., Jr. (A)
Stineman, J. W., Jr. (A)

Wallingford (PHI-3) Jayne, F.B. (A)
Martin, J.L. (M)
Robinson, I.E. (M)
Shallcross, D.H. (M)

Warren (EMP-4)
Bare, W. E. (M)
Loranger, J. A. (SM)
Loucks, W. J. (A)
Myers, S. J. (A)
Thelin, D. H. (A)
Wanner, L. R. (M)
Wright, J. B. (A)

Warrington (PHI-3) Clarance, A. L. (M)

Washington (PIT-4) Loffredi, A. J. (A) Paul, D. R. (M) Spriggs, L. A., Jr. (M)

Waverly (PHI-3) Mundell, K.C. (M)

yne (PHI-3)
Anderson, F. W. (SM)
Blakely, R. T. (SM)
Bowman, D. F. (SM)
Cecal, J. A. (A)
Collins, H. B., Jr. (SM)
D'Andrea, L. L. (SM)
Davis, H. U. (M)
De Wolf, J. B. (M)
Dodge, H. S. (M)
Leisenring, J. G. (A)
Leinfest, G. G. (M)
Libby, E. C. (M)
Libby, E. C. (M)
McSorley, S. L. (A)
Medkeff, R. J. (M)
Niemann, E., Jr. (A)
Palmer, G., Jr. (SM)
Raphelson, M. (M)
Reagan, W. E. (M)
Schneider, W. M., Jr. (M)
Stern, D. M. (M)
Wellard, C. L. (A) Wayne (PHI-3)

Waynesboro (PHI-3) Marlow, W. C., Jr. (VA)

Weatherly (PHI-3) Kiser, N. L. (SM)

Wellsboro (ELM-C-1) Weaver, C. H.

Wesleyville (ERI-1) Brown, P. A. (M) Larson, K. E. (M)

West Chester (PHI-3) st Chester (PHI-3)
Bloch, M. W. (M)
Craig, R. C. (M)
Fuller, J. B., Jr. (M)
Furer, J. B., Jr. (M)
Haner, L. P. (SM)
Hayes, H. J. (M)
Hickey, J. E., Jr. (M)
Loring, R. A. (M)
Tracy, R. A. (M)

West Lawn (PHI-R-3) Homberger, R. F. (M) Rexon, L. (M)

West Middlesex (PIT-4) Herr, C. E. (A)

West Pittston (PHI-3) Bruno, A. R. (M)

Wast Reading (PHI-R-3) Pietruszynski , L. J. (M)

Wexford (PIT-4) Wagner, R.J. (A)

Wilkes-Barre (PHI-3) Graytock, R. A. (M) Groff, H. A. (M) Parise, J. D. (A) Reid, J. F. (A)

Williamsport (WIL-4)
Amey, G. B. (A)
Anderson, L. F. (M)
Andrews, R. C. (A)
Bresse, W. H. (M)
Deming, G. W. (M)
Gehrke, F. E. (SM)
Gregor, T. P. (A)
Horrigan, J. B. (M)
Jewart, D. M. (SM)
King, J. W. (A)
McCarthy, F. J. (M)
Pennington, E. T. (M)
Peterson, N. C. (M)
Pets, R. G. (M)
Pouy, R. H. (M)
Richart, O. H. (M)
Silmons, W. J., Jr. (A)
Teno, E. (A)
Watson, W. H. (M)
Willow Grove (PHI-3)
Dry. P.

Willow Grove (PHI-3)
Dry, D. N. (M)
Fisher, M. K. (M)
Florence, V. H. (M)
Franke, A. E. (M)
Fraser, R. S. (M)
Hirschman, H. (M)
Hockeimer, H. E. (M)
Koop, W. S., Jr. (A)
Komfeld, M. (M)
Lewis, J. R. (M)
Rude, R. T. (M)
Saltzman, A. R. (A)
Shulman, L. (M)
Sikina, T. V. (M)
Speights, M. T. (M)
Thomson, D. M. (M)
Tillman, R. M. (M)
Zohn, R. L. (M)

Wilmerding (PIT-4) Brath, P. W. (M)

Woodlyn (PHI-3) Kashmar, E. J. (M) Russo, L. J. (M)

Wrightsville (PHI-L-3) Gleeson, E. J. (M) Young, C. R. (A)

Wyncote (PHI-3)
Alexy, M. R. (SM)
Bernbaum, B. (M)
Cooper, D. T. (VA)
Craig, P. M. (F)
Dorris, R. C. (M)
Fox, D. (M)
Gonzalez-Correa, E. (M)
Hardy, N. (M)
Kinnier, D. (M)
Kusma, D. (SM)
Lilly, C. H. (A)
Sher, N. (M)
Smith, R. V. (SM)

Wyndmoor (PHI-3) Leibovitz, P. T. (M) Lieberman, F. (M)

Wynnewood (PHI-3)
Appel, W. N. (A)
Blum, C. M. (A)
Dohan, W. R. (M)
Fisher, J. F. (SM)
Fulton, L. H. (A)
Leas, J. W. (SM)
Meyerhoff, A. J. (SM)

Wyoming (PHI-3) Casterlin, A. N. (A)

Wyomissing (PHI-R-3)
Boynton, W. D. (M)
Davis, W. J. (M)
Gehris, J. P. (M)
Huyett, W. I. (M)
Le Lacheur, R. M. (M)
McLaughlin, J. F. (A)
Prudhon, G. L. (SM)

Yardley (PHI-3)
Cook, E.G. (M)
Emslie, N. M. (A)
Grau, W. C. (A)
Mac Donald, H. E. (M)
Schwartz, N. J. (M)

Yeadon (PHI-3)
Dillon, T. P. (A)
Grieser, T. F. (SM)
Haber, F. (M)
McBlain, W. L. (M)
Merrill, J. H. (M)
Myers, E. F. (M)

York (PHI-L 3)
Beck, M. R. (M)
Boyer, R. M. (A)
Boyer, W. H. (A)
Byerly, H. W. (M)
Chronister, W. M. (M)
Dangl, J. R. (M)
De Frees, H. F. (M)
Feder, J. H., Jr. (A)
Freet, E. L. (M)
Goddina. G. G., Jr. (M)
Haas, W. I. (M)
Kiger, L. L. (A)

Kudlich, K. H. (M)
Lease, D. A. (A)
Lease, J. R. (A)
Lewis, D. O. (M)
Lowe, F. B. (A)
Parker, J. C., Jr. (M)
Pueschner, H. (M)
Schutt, R. O., Jr. (M)
Staub, J. R. (A)
Stemer, F. L. (M)
Stover, N. K. (A)
Todd, R. H. (M)
Walker, H. (SM)
Wanbaugh, W. C. (M)
Weiner, E. G. (A)
Wildermuth, J. R. (M)
Zeisler, M. O. (M)

Youngwood (PIT-4) Nowalk, T. P. (M) Pridmore, T. C. (SM) Stein, F. S. (SM) Stelmak, J. P. (SM)

RHODE ISLANO

Ashaway (BOS-1) Young, R. W. (M)

Barrington (BOS-1) Carmody, T. P. (M) Prior, T. K. (A)

Bristol (BOS-1) Tingley, F. M. (M)

Central Falls (BOS-1) Onoyan, G. G. (A)

Cranston (BOS-1)
Abbenante, N. (M)
Amoroso, F. (M)
Bailey, L. E. (M)
Cardillo, A. (M)
Landesberg, M. M. (M)
Monopoli, R. V. (A)
Salk, D. (A)
Sherman, A. (M)
Soscia, B. L. (M)

Cumberland (BOS-1) Woodward, J. E. (A)

East Greenwich (BOS-1) Bingham, R. C. (A) Gillin, G. F. (A) Tyler, E. M. (M) Wong, G. J. (M)

East Providence (BOS-1) Bishop, B. F. (M) Henry, F. J. (M) Williams, J. N. (A)

Hoxsie (BOS-1) Kunz, G. A. (M)

Kingston (BOS-1)
Bliamptis, E. E. (M)
Dawson, C. H. (SM)
Prince, M. J. (M)

Manville (BOS-1) Lavallee, M. L. (A)

Middletown (BOS-1) Wilson, R. E., Jr. (M)

Newport (BOS-1)
Alexander, C. S., Jr. (M)
Baer, E. W., III (M)
Barber, C. (M)
Barber, D. T. (M)
Barby, J. T. (M)
Bach, J. P. (M)
Bowerman, R. H. (M)
Delgado, R. (M)
Greichen, J. J. (A)
Hale, H. D., Jr. (M)
Mainland, R. (M)
Murphy, E. J. (M)
Phillips, L. D. (M)
Soliozy, C. S. (M)
Soliozy, C. S. (M)
Swallow, C. E. (A)
Vallandigham, W. W. (M)
Vincent, G. D. (A)
Mathison, W. W. (M)

North Kingstown (BOS-1) Smith, P. W. (A)

North Tiverton (BOS-1) Patenaude, N. H. (A)

Pawtucket (BOS-1)
Beckett, H.F. (M)
Farrell, C.L., Jr. (A)
Nichols, A.J. (A)

Peace Dale (BOS-1) Birch, W. B. (A)

Point Judith (BOS-1) Merriam, R. W. (M)

Providence (BOS-1) Anderson, G. P. (M) Angulo, C. M. (SM) Barlow, H. B., Jr. (M) Blanchard, W. E. (M) Bliss, Z. R. (A) Chen, C. (M)
Dandreta, W. (VA)
de Klerk, J. (SM)
Famsworth, H. E. (SM)
Famell, F. X. (M)
Fine, S. (M)
Halton, E. B. (M)
Kodis, R. D. (SM)
Komhauser, E. T. (SM)
Marn, H. L. (A)
Markey, J. T. (SM)
Mizzujn, W.A., Rev. (M)
Rizzi, P. A. (M)
Trementozzi, F. J. (M)
Truell, R. (SM)

Quonset Point (BOS-1) Huff, M. S. (M)

Riverside (805-1) Bushnell, R. R. (A)

Rumford (BOS-1) Chick, B. B. (M)

Tiverton (BOS-1) Lizotte, O. A. (M) Swinburn, A. H. (M)

Wakefield (BOS-1) Mowbray, W. H. (A)

Warren (BOS-1) Bowen, H. C. (M)

Warwick (BUS-1) Fiddes, G. B. (M) Klemer, B. H. (M) Nans, E. A., Jr. (M) Thoresen, J. C. (A) Tully, P. P. (A)

West Barrington (BOS-1) Coppolino, L. S. (M) Prior, T. C. J. (M)

Westerly (BOS-1) Finocchiaro, E. C. (M)

Woonsocket (BOS-1) Dube, J. J. A. (A) Rison, D. M. (A) Urrico, F. X. (M)

SOUTH CAROLINA

Aiken (S-CAR-3)
Barnes, B. B. (M)
Hoover, R. E. (A)
Ramsey, R. W. Jr. (M)
Ross, J. D. (A)
Studley, R. V. 'M)
Yingling, G. B. (M)

Anderson (S-CAR-3) Glaser, H. I. (M)

Beaufort (S-CAR-3) Manke, J. A. (M)

Cayce (S-CAR-3) Hafely, C.H. (A)

Charleston (S-CAR-3)
Alderman, E. L. (M)
Bailey, J. H. (M)
Biethfield, W. P. (A)
Boehm, W. R. (SM)
Brooks, M. J. (M)
Brust, N. T. (M)
Bull, W. I. (SM)
Cook, J. E. (M)
Countryman, G. L. (SM)
Dawson, O. D. (A)
Fechter, G. B. (M)
Goldberg, H. S. (M)
Hart, R. N. III (M)
Herring, O. L. Jr. (M)
Jefferies, D. W. (M)
Knickel, E. R. (M)
Lackey, H. B. (M)
Morrissey, J. N. (M)
Risher, R. G. (M)
Sarco, J. (A)
Schachte, W. L. (SM)
Schachte, W. L. (SM)
Schieppegrell, J. R. (A)

Charleston Heights (S-CAR-3) Flynn, L. A. (A) Hare, M. D. (M) Peterson, F. H. (M) Shimandle, J. G. (M)

Cheraw (S-Car-3) Akerman, B. (SM)

Chester (S-CAR-3) Craig, M. J. (M)

Clemson (S-CAR-3) Haischer, D. H. (A) Hind, A. T., Jr. (M) Thurston, J. N. (SM)

Columbia (S-CAR-3) Feliers, R. G. (SM) Ferris, W. R. (F) Foster, L. W. (SM) Hanan, J. E. (M) Lambert, R. D., Jr. (SM)
Lowman, B. L. (M)
Moore, S. F. Jr. (M)
Moseley, S. T. (SM)
Noland, J. H., Jr. (SM)
Parsons, J. H., Jr. (SM)
Reses, M. T. (M)
Roberts, W. H. (M)
Romanyszyn, M. T. (A)
Scott, A. L. (A)
Smith, E. H., Jr. (M)
Snyder, R. J. (A)
Taylor, J. (SM)
Warr, G. H. (M)

Florence (S-CAR-3) Herring, M. J. (A) Moore, B. E. (M) Sellars, E. A. (SM) Townsend, A. P. (A) Zeigler, A. L. (A)

Folly Beach (S-CAR-3) Howell, J. E. (M)

Greenville (S-CAR-3)
Garrison, W. E. (M)
Greer, P. A. (M)
Mills, C. W. (M)
Pace, M. W. (A)
Weam, W. C. (M)
White, J. H. (M)

Greenwood (S-CAR-3)
Duffie, J. E. (M)
Hawthorne, D. (A)
McCombs, J. W. (M)

Irmo (S-CAR-3) Goodson, B. M. (A) Warner, D. F. (M)

Lancaster (S-CAR-3) Elliott, R. J. (M)

Moncks Corner (S-CAR-3) Volf, L. F. (A)

Mount Pleasant (S-CAR-3) Gay, R. E. (M) Porcher, F. P. (M) Schneider, A. P. (M)

North Augusta (S-CAR-3) Felder, A. A. (M) Gill, J. P., Jr. (M)

North Charleston (S-CAR-3) Gatch, C. E. (A) Germann, F. G., Sr. (A) Hunter, H. L. (M) Martin, J. A. (A) Pelley, A. D. (M) Rogers, C. L. (M) Thomason, J. G. (M)

Orangeburg (S-CAR-3) O'Cain, W. L. (A)

Rock Hill (S-CAR-3) Henson, J. A. (A)

Shaw AFB (S-CAR-3) Benedict, D. F. (M) Chandler, R. M. (M)

Spartanburg (S-CAR-3) Pippin, R. F., Jr. (M)

West Columbia (S-CAR-3) Bowers, C. W. (M)

SOUTH DAKOTA

Arlington (TC-5) Dill, E. C. (M)

Brookings (TC-5) Cheadle, J. N. (SM) Falk, H. C. (M) Liepa, A. (M)

Canning (TC-5) Graf, E.A. (M)

College Station (TC-5) Essler, W. O. (M)

Ellsworth AFB (TC-5)
Bell, W. D. (M)
Burke, J. F. (M)
Gunther, W. J. (A)
Reyna, R. C. (M)
Swisher, L. W. (A)

Freeman (TC-5) Deissler, K. L. (A)

Mount Vernon (TC-5) Croson, H. L. (M)

Piermont (TC-5) Nygaard, G. M. (M)

Pierre (TC-5) Brancel, O. R. (M) Jones, M. G. (A)

Rapid City (TC-5) Fisher, G. M. (M) Mayer, F. N. (M) Nelson, E. A. (M) Roslyn (TC+5) Storley, C. L. (M)

Sioux Falls (TC-5)
Bunday, G.F. (A)
Froke, L.C. (A)
McKenna, W.E. (M)
Nelson, V.R. (A)
Pierce, M.E. (M)
Sikorski, J.W. (A)
Warren, L.C. (A)

Vermillion (TC-5)

Bedwell, T. H. (M)

Graf, S. J. (M)

Wagner (TC-5) Kucera, A. T. (M)

TENNESSEE

Alcoa (ATL-3) Warren, M., Jr. (M)

Altamont (HUN-3) Morgan, C. C., Jr. (M)

Bristol (ATL-3)

Bastin, Q. S. (M)
Bemot, T. (M)
Bradfute, G. A., Jr. (A)
Gover, W. M. (M)
King, L. A. (SM)
Lyons, M. A. (M)
Mayer, G. J. (M)
Robinson, M. P., Jr. (M)
Scalf, P. L. (M)
Schell, J. H. (M)
Shackelford, H. L. (M)
Smith, B., Jr. (SM)

Chatanooga (ATL-3)
Barnes, B. B. (A)
Bohr, E. T. (M)
Briscoe, H. R., Jr. (A)
Crozier, H. W. (M)
Hochdorf, M. (M)
Hochdorf, M. (M)
Jones, H. B. (A)
King, T. R. (A)
Meagher, A. W. (A)
Smith, R. T. (A)
Terrell, J. M., Jr. (M)
Young, B. A. (M)

Clarksville (HUN-N-3) Wilson, C. L. (M)

Concord (ATL-3) Devine, J. M. (A)

Cordova (HUN-M-3) Downs, H. I. (M)

Dayton (ATL-3) Warner, C. J. (A)

Donelson (HUN-N-3) Green, N. (M) Pearsall, S. H. (M)

Erwin (ATL-3) Reeves, H. L., Jr. (A)

Fayetteville (HUN-3) Thompson, A. W. (M) Young, J. B., Jr. (M)

Fountain (ATL-3) Oakes, L. C. (M)

Franklin (HUN-N-3) Montogmery, W. C. (M) Ragsdale, S. P. (A)

Gatlinburg (ATL-3) Stanbery, J. F. (SM)

Greeneville (ATL-3)
Brown, J. H. (A)
Furman, O. G. (M)
Jimenez, G. L. (M)
Turski, S. (M)

Jackson (HUN-M-3) Altenpohl, D. (M)

Johnson City (ATL-3) Hunter, W. C. (A)

Kingsport (ATL-3) Devaney, R.G. (M) Henry, J. W. (SM) Lingar, W. E. (M)

Kingston (ATL-3) Hanauer, S. H. (M)

Knoxville (ATL-3)
Affel, R. G. (M)
Bradshaw, R. L. (M)
Britain, J. E. (A)
Craig, L. W. (M)
Eckel, J. R., Jr. (M)
Evans, R. C. (A)
Horton, J. R. (M)
Neff, H. P., Jr. (M)
Schede, R. W. (M)
Simpson, T. L. (M)

Sundeen, O. H. (M) Tillman, J. D., Jr. (M)

Lake City (ATL-3) Byerly, J. W. (A)

Lawrenceburg (HUN-3) Beckham, R. H. (M)

Lehanon (HI)N-N-3) Rucks, A. J. (M)

Manchester (HUN-3)
Davis, B. M. (M)
Eddings, R. A. (M)
Kingery, M. K. (M)
Norman, C. F. (M)

Maryville (ATL-3) Artis, P. T. (M) McClelland, F. M. (M)

McKenzie (HUN-M-3) Heathcot, J. H. (A)

mphis (HUN-M-3)
Babb, E. L. (A)
Boyd, I. H. (M)
Boyarid, C. F. (A)
Boyd, I. H. (M)
Branyan, C. A. (A)
Browning, J. W. (M)
Busler, L. F., Jr. (A)
Dunning, R. A. (A)
Ecoff, F. A., Jr. (A)
Eitzgerald, G. M., Jr. (I)
Freymuth, J. J., Jr. (M)
Haas, B. I. J. (M)
Haas, B. I. J. (M)
Habison, R. T. (A)
Holbrook, T. C., Jr. (A)
Horton, H. C. (M)
King, R. E. (A)
Logan, E. W., Jr. (A)
Maice, L., Jr. (M)
McLing, J. T. (A)
Stewart, E. B. (A)
Walker, J. A. (M) Memohis (HDN-M-3) (A)

Walker, J. A. (M)
Shville (HUN-N-3)
Allen, R. B. (M)
Amold, T. G., Jr. (M)
Brinst, F. D. (M)
Branch, B. S. (M)
Bright, F. W. (M)
Duke, J. S. (M)
Dewitt, J. H., Jr. (F)
Dicker, P. E. (SM)
Dorris, C. G. (M)
Duke, C. R. (M)
Edling, E. A. (A)
Esslinger, G. H. (M)
Ewing, A., Jr. (M)
Fowler, W. L. (M)
Gentry, R. D. (A)
Genung, N. W. (M)
Grennhouse, H. M. (M)
Hobbs, R. V. (M)
Holaday, A. M. (M)
Hucaby, R. L. (M)
Holaday, A. M. (M)
Hucaby, R. L. (M)
Motladay, A. M. (M)
Motladay, R. L. (M)
Motlomer, F. H., III (M)
McAllister, G.P. (M)
Motlomore, L. E. (M)
Motlomore, L. E. (M)
Motlomore, Jr. (SM)
Satterfield, R. Jr. (SM)
Shelton, A. C. (SM)
Stiffer, W. W., Jr. (SM)
Sviffer, W. W., Jr. (SM)
Veigler, R. H. (M) Nashville (HUN-N-3)

Norris (ATL-3) Dale, J. A. (SM)

Dale, J. A. (SM)

Dale, J. A. (SM)

Dale, J. A. (SM)

Dale, J. L. (M)

Banta. H. E. (SM)

Dahl, A. H. (M)

De Hart, S. B. (M)

Edwards, R. S. (M)

Fort. W. G. S. (M)

Groothuls, S. E. (M)

Groothuls, S. E. (M)

Henry, K. M., Jr. (A)

Henson, F. W. (M)

Hirsch, C. B., Jr. (M)

Judish, J. P. (M)

Knowles, D. J. (SM)

Manning, F. W. (M)

Marks, J. E. (M)

Miller, J. W. (M)

Miller, J. W. (M)

Miller, P. D. (M)

Mosko, S. W. (M)

Piag, J. C. (M)

Porter, F. M. (M)

Redord, J. L. (A)

Reed, E. A., Jr. (M) Redford. J. L. (A)
Redford. J. L. (A)
Reed, E. A. Jr. (M)
Ritter, R. C. (M)
Shiplev. E. D. (M)
Smith, H. F., Jr. (A)

Southern, A. L. (M)
Stone, R. S. (A)
Van Sickle, G., Jr. (A)
Walker, C. S. (M)
Worsham, R. E. (A)
Zachry, D. S., Jr. (M)
Ziegler, N. F. (A)

Shelbyville (HUN-3) hompson, R. D. (A)

Sparta (ATL-3) Haston, C. W. (M)

Tullahoma (HDN-3) iahoma (HUN-3)
Cortner, A. H. (M)
Giltinan, T. L. (A)
Henderson, R. P. (M)
Johnson, M. D. (M)
Kaisner, R. W. (SM)
Pope, R. H. (M)

Abilene (FW-6) Alford, A. R. (A) Bottom, V. E. (M) Henley, R. D. (A) Kumm, A. L. (M)

Amerillo (LUB-6) arillo (LUB-6)
Bowden, A. J. (A)
Boabwright, F. V. (M)
Boabwright, F. V. (M)
Dearness, J. L. (A)
Farmer, P. E. (M)
Greene, C. E. (M)
Harris, H. W. (M)
Krasin, E. (M)
Martin, J. L. (M)
Patterson, J. M. (M)
Torrey, W. H. (A)
Williams, A. M. (M)

Arlington (FW-6) Askew, W. J., Jr. (M)
Baker, M. F. (M)
Bentley, R. L., Jr. (M)
Billingsley, J. D. (M)
Billingsley, J. D. (M)
Billingsley, J. D. (M)
Briesenick, C. R. (A)
Buehrle, C. D. (M)
Bushart, G. J., Jr. (M)
Calvan, C. C., Jr. (M)
Calvan, C. C., Jr. (M)
Cashat, S. D. (M)
Coble, H. F. (M)
Connell, J. W. (M)
Davis, J. A., Jr. (M)
Davis, J. A., Jr. (M)
Ditto, J. C. (M)
Ditto, J. C. (M)
Ditto, J. C. (M)
Fischer, J. N. (M)
Forester, J. R. (A)
Gegon, P. H. (M)
Gibbs, T. E. (SM)
Hale, R. A. (M)
Hegi, J. G. (M)
Hodge, R. B., Jr. (M)
Hodge, R. B., Jr. (M)
Hodge, R. B., Jr. (M)
Undbergon, G. C. (SM)
Jordan, C. F., Jr. (M)
Lanier, R. E. (SM)
Lanier, R. E. (SM)
Lanier, R. E. (SM)
Martin, R. E. (M)
Martin, R. E. (M)
Marthews, J. L. (M)
Murry, R. W. (M)
Prior, R. R. (M)
Raymond, W. D. (M)
Raymond, W. D. (M)
Tardiff, R. J. (M)
Lambolas, G. N. (M)
Tardiff, R. J. (M)
Lombolas, G. P. (A)

Austin (SA-A-6) stin (SA-A-6)
Adams, R. M. (M)
Anderson, C. D. (M)
Armstrong, J. E. (M)
Baltzer, D. J. (SM)
Barclay, J. N. (SM)
Block, E. H. (M)
Bostick, F. X. (M)
Britt, C. D. (M)
Broman, W. N. (A)
Clardy, D. E. (M)
Davis, D. K. (M)
Davis, A. (SM)
Davis, A. (SM)
Deam, A. P. (M)
Douglas, J. H. (M) Davis, D. K. (M)
Deam, A. P. (M)
Douglas, J. H. (M)
Douglas, J. H. (M)
Dusterhoeft, W. C., Jr. (SM)
Duff, B.M. (M)
Fannin, B. M. (SM)
Garner, W., Jr. (M)
Gribble, R. F. (M)
Hackett, R. E. (M)
Harwig, W. H. (SM)
Hixson, E. L. (SM)
Hopkins, G. H., Jr. (M)
Jackson, A. E. (A)
Kreuz, L. B. (SM)
La Coste, L. J. B. (M)
La Coste, L. J. B. (M)
Lagrone, A. H. (SM)
Lange, R. N. (SM)
Lange, R. N. (SM)
Landerdale, D. M. (M)
Law, P. F. (M)
Martin, P. E. (M)
McKinney, C. M. (SM)
McQuown, A. N., Jr. (M)
Morrow, R. E. (M) Dpiela, A. D., Jr. (M) Dwen, T. E. (M) Phillips, J. P. (M) Reinhard, E. A. (M) Reynolds, B. C. (M) Ripperger, E. A. (A) Ripperger, E. A. (A)
Robertson, W. (A)
Sandlin, B. J. (M)
Simpson, J. D. (M)
Smith, H. W. (SM)
Stone, C. S. (M)
Smith, R. T. (M)
Smith, R. E. (M)
Straiton, A. W. (F)
Tolbert, C. W. (SM)
Tucker, E. A. (SM)
Walliace, R. H. (M)
Wallis, W. R. (A) Wallace, R. H. (M)
Wallis, W. R. (A)
Werner, C. T. (M)
White, G. E. (SM)
Whitener, A. S. (M)
Willett, N. W. (SM)
Wright, J. R. (M) Wukasch, E. D. (M)

Ballinger (FW-6) Kelley, W. C. (M)

Baytown (HOU-6) Jordan, R. W. (A) Suttle, A. D., Jr. (SM)

Jordan, R. W. (A)
Suttle, A. D., Jr. (SM)
Beaumont (B-PA-6)
Andrews, F. E. (A)
Batlard, B. J. (M)
Burgess, C. H. (M)
Cryer, J. E. (M)
Cryer, J. E. (M)
Counningham, R. E. (M)
Davis, A. Q., Jr. (M)
Davis, A. Q., Jr. (M)
Eckles, W. W., Jr. (M)
Ferguson, J. D. (M)
Haack, W. Jr. (A)
Hughes, B. F. (M)
Keenon, D. L. (M)
Lawrence, T. B. (M)
Montague, L. E. (A)
Morgan, J. G. (M)
Musick, A. L., Jr. (M)
Nommand, A. J. (A)
Otto, G. (A)
Pearson, E. A. (A)
Petkovsek, J., Jr. (SM)
Powell, J. W. (A)
Shane, Z. G. (A)
Smith, H. K. (M)
Stockard, L. C. (M)
Straughn, W. L., Sr. (M)
Turk, G. L., Jr. (A)
Walker, C. B. (A)
Welch, H. E. (A)
Wilder, C. B. (A)
Wilder, E. H. (M) Whitmeyer, L. J., Jr. (A) Wilder, E. H. (M)

Beeville (SA-A-6) Godfrey, B. L., Jr. (A) Parker, C. F. (M)

laire (HUU-6)
Ball, D. F. (SM)
Barnette, L. A. M. (SM)
Borden, R. R. (A)
Brook, A. H. (M)
Crawford, D. (M)
Cunningham, A. B. (M)
Fleming, L. (SM)
Granberry, H. W. (M)
Herzog, G. (F)
Hicks, F. M. (A)
Keyes, R. (M)
Lee, B. D. (M)
Loofbourrow, R. J. (SM)
Mann, R. W. (SM)
Mazzagatti, R. P. (SM)
Owen, W. W. (M)
Peetz, G. E., Jr. (M)
Reeves, D. S. (M)
Stafford, J. A. (M)
Stalford, J. A. (M)
Stalford, J. A. (M)
Walter, R. T. (M) Bellaire (HOU-6)

Benbrook (FW-6) Maes, W. J. (M) Shafer, L. (M)

Big Lake (SA-A-6) Segars, L. K. (M)

Big Spring (LUB-6) Light, J. E., Jr. (M Trantham, J. F. (A)

Breckenridge (FW-6) McBeath, H. M., Jr. (A) Brownfield (LUB-6)

Spear, R.B.(M) Brownsville (SA-A-6) Maring, K. T. (M) Martin, G., Jr. (A)

Bryan (HOU-6) Druce, A.J. (M) Fridel, G. E. (M) Moore, L. C. (A) Sosolik, F.J.(A)

Caddo Mills (DAL-6) Shuler, J. L. (M)

Canyon (LDB-6) Thompson, C. E. (M)

Carswell AFB (FW-6) Reierson, V. L. (M)

Castroville (SA-A-6) Burges, E. G. (M)

Center (B-PA-6) Riley, H. E. (A)

China (B-PA-6) Seaberg, I. (A)

Cibolo (SA-A-6) Seibel, H. (M)

Clebume (FW-6) Gardner, A. H. (SM) Graham, H. L. (A) Ryter, R. L. (SM)

College Station (HDU-6)
Dillingham, H.C. (SM)
German, J. P. (SM)
Hallmark, G. D. (SM)
Hebert, J. D., Jr. (M)
Jonas, L. K. (M)
Kilmer, R. E. (M)
Navarro, S. D. (M)
Roots, E. N., Jr. (M)

Commerce (DAL-6) Sparkman, W. A., Jr. (M)

Corous Christi (SA-A-6) rpus Christi (SA-A-6)
Kettlewell, J. (M)
Lockhart, H. B. (A)
McHugh, E. L. (M)
Roberts, J. D. (A)
Segrest, B. C. (M)
Taylor, P. (M)
Trevilliam, R. A. (A)
Zazvorka, J., Jr. (SM)

Corsicana (DAL-6) Jackson, M. L. (M)

Cuero (SA-A-6) Murray, J. W. (M)

Dallas (DAL-6) llas (DAL-5)
Abraham, R. P. (M)
Adams, L. P. (SM)
Adams, L. P. (SM)
Adacok, W. A. (SM)
Adkins, A. W., Jr. (SM)
Albano, J. (SM)
Allan, R. E. (M)
Ankele, E. T., Jr. (M)
Amkele, E. T., Jr. (M)
Arnold, D. C. (SM)
Ashley, C. E. (M)
Ashley, C. E. (M)
Ashley, C. E. (M)
Bailey, R. W. (M)
Bailey, R. W. (M)
Bailey, R. W. (M)
Baker, G. T. (M)
Barnett, M. L. (M)
Barnett, M. L. (M)
Barnett, M. L. (M)
Barnett, M. C. (M)
Barnett, M. C. (M)
Berold, D. A. (SM)
Berold, D. A. (SM)
Benelte, E. M. (A)
Becklund, D. A. (SM)
Benelt, G. T. (SM)
Benelt, G. T. (SM)
Benelt, C. (M)
Bigoer, W. H. (SM)
Bigoer, W. H. (SM)
Bigoer, W. H. (SM)
Bigoer, W. H. (SM)
Bonin, E. L. (M)
Bonin, E. L. (M)
Bonin, E. L. (M)
Boner, J. H. (M)
Boroke, A. (M)
Brachman, W. W. (M)
Brachman, W. W. (M)
Brachman, D. W. (M)
Brown, R. A. (M)
Brown, P. L. (A)
Brown, R. L. (Jr. (SM)
Brown, R. L. (Jr. (SM)
Brown, R. L. (Jr. (M)
Br Buchanan, D. L. (M) Buchanan, R. A. (M) Buchanan, R. A. (M)
Buchmeyer, H. W. (SM)
Buckner, R. P. (M)
Bullock, M. W. (SM)
Burdine, B. R. (M)
Burg, K. E. (M) Burnett , D. (M) Buzard , R. S. (M) Call , P. D. (M)

Camp, H. E. (M)
Cambell, J. R. (M)
Cambell, J. R. (M)
Camboll, J. R. (M)
Chana, C. M. (A)
Chana, C. M. (A)
Chana, C. M. (A)
Chana, C. C. M. (A)
Chana, C. C. M. (A)
Chenault, H. P. (A)
Chick, D. R. (M)
Chenault, H. P. (A)
Chick, D. R. (M)
Cholick, D. R. (M)
Clark, W. E. (M)
Clark, W. E. (M)
Clark, W. E. (M)
Carlon, L. A., Jr. (M)
Carlon, L. A., Jr. (M)
Carman, J. N. (A)
Carman, J. N. (A)
Carman, J. N. (A)
Carman, J. N. (A)
Carmon, J. N. (A)
Carmon, J. N. (A)
Carmon, J. N. (A)
Carmon, J. R. (M)
Comen, J. (M)
Condon, R. L. (SM)
Cooker, J. W. (SM)
Cooker, J. W. (SM)
Corwin, T. L. (A)
Couch, V. Y. (M)
Coulon, N. Jr. (M)
Coursey, J. R. (M)
Couvillion, A. J., Jr. (M)
Cov. K. J. (M)
Cov. K. J. (M)
Cox. K. J. (M)
Cox. R. H. (M)
Crandell, C. F. (M)
Crandell, C. F. (M)
Crandell, C. F. (M)
Crandell, C. F. (M)
Davis, C. F., Jr. (M)
Davis, C. F., Jr. (M)
Davis, C. F., Jr. (M)
Dear, J. T. (M)
Devese, C. R. (M)
Dill, C. T. (A)
Dobbins, T. K. (M)
Doberty, J. E. (M)
Doberty, J. E. (M)
Doberty, J. E. (M)
Dowell, K. P. (M)
Dowell, K. P. (M)
Dowell, K. P. (M)
Dowell, K. P. (M)
Eringer, C. C. (SM)
Eerhart, C. C. (SM)
Eershourg, R. B. (M)
Ellmin, C. C. C. B., Jr. (M)
Eerninger, D. W. Jr. (M)
Eershourg, R. B. (M)
Ellmin, J. R. (A)
Gliuk, L. D. (M)
Farner, D. R. (SM)
Francis, T. L. (M)
Gragert, W. J. (M)
Gragert, W. J. (M)
Gragert, W. J. (M)
Gragert, W. J. (M)
Hardin, E. H. (M)
Griffin, E. H. (M)
Griffin, E. H. (M)
Gragert, W. J. (M)
Hardin, C. R. (M)
Hardin, C.

TEXAS - 545 -

Himel. C. B. (M)
Hinkle. V. D., Jr. (M)
Hinkle. V. D., Jr. (M)
Hirschberg, J. K. (A)
Hisamoto. R. M. (M)
Hodpes, A. J. (M)
Hodpes, A. J. (M)
Hoth. G. L., Jr. (SM)
Hotk. F. A. (SM)
Hore K. M. Jr. (A)
Howard, G. M. (SM)
Howes, R. B., Jr. (M)
Humke. F. D., Jr. (M)
Hunt. J. T. (A)
Hutchinson. N. D. (M)
Hutson, R. N. (M)
Hvatt. J. L. (M)
Hvatt. J. L. (M)
Hvatt. J. L. (M)
Johnson, L. S. (M)
Joel, H. C. (M)
Johnson, D. L. (M)
Johnson, J. H. (M)
Johnson, G. D. (M)
Johnson, G. D. (M)
Johnson, W. S. (A)
Johnson, W. M. (M)
Johnson, W. M. (M) Jurek, W. M. (SM)
Kamena, J. G. (M)
Kantenberoer, R. F. (A)
Kearley, R. I., Jr. (M)
Kearse, G. P. (SM)
Keener, R. F. (M)
Keiser, L. E. (M)
Kelly, J. J. (A) Kelly, J. J. (A)
Kelsay, W. D. (M)
Kempe, C. J. (M)
Kempe, C. J. (M)
Kemped, F. H., Jr. (SM)
Kettler, C. L. (M)
Kettler, C. L. (M)
Kettler, E. W. Jr. (M)
Kitler, E. W. Jr. (M)
Kitler, E. W. Jr. (M)
Kitler, J. S. (M)
Koeijmans, G. D. (A)
Koessel, W. (M)
Kost, C. R. (M)
Kuehen, W. (SM)
Kuhn, T. G. (M)
Lander, C. C. (M)
Lawerene, A. J., Jr. (M)
Lawerene, A. J., Jr. (M)
Lawerene, L. J. (A)
Leeford, R. E., Jr. (A)
Leeford, R. E., Jr. (A)
Leedom, J. N. (M)
Leedom, J. N. (M)
Leedom, J. N. (M)
Lincoln, C. F. Jr. (A)
Lineback, J. T. (A)
Lineback, J. T Mitchell, H. L. (M)
Mitchell, W. R. (M)
Moffitt J. F. (M)
Moffitt J. F. (M)
Moffitt J. F. (M)
Morris J. F. (M)
Morris T. C. J. T. (M)
Morris T. C. J. T. (M)
Morrison. J. E. J. T. (M)
Morrison. J. A. Jr. (M)
Morrison. E. J. (M)
Morrison. H. W. (M)
Mossley. J. S. Jr. (A)
Mossley. J. S. Jr. (A)
Mossley. J. S. Jr. (A)
Mossley. T. B. (SM)
Moss, H. (SM)
Moss, H. (SM)
Mossley. T. B. (SM)
Moss, J. (SM)
Mossley. J. J. (M)
Nathell, D. P. (A)
Mureen. R. W. (A)
Mureen. R. W. (A)
Mureen, E. W. (A)
Mureen, E. W. (A)
Mureen, E. W. (A)
Mosely. J. L. Jr. (M)
Neathery. J. L. Jr. (M)
Neathery. J. L. Jr. (M)
Nelson, G. G. (A)
Nelson, J. E. (M)
Newell, B. J. (A)
Nilson, J. J. (A)
Nilson, J. J. (A)
Nilson, J. J. (M)
Norvell, K. A. (M)
Norvell, K. C. (M)
Norvell, M. (M)
Norvell, M. (M)

Spaulding, G. B. (SM)
Spencer, L. P. (A)
Spieker, L. J. (M)
Stainford, J. A. (M)
Stevens, B. M)
Stover, J. S. (M)
Storou, R. M. J. S. (M)
Stroub, R. M. J. (M)
Sullivent, E. E. J. (M)
Swain, D. L. (M)
Tatum, F. W. (SM)
Tadon, J. R. (M)
Tatum, F. W. (SM)
Taylor, J. H. (M)
Teal, S. K. (F)
Teasdale, A. R., Jr. (SM)
Tomas, C. T. (SM)
Thomas, C. T. (SM)
Thomas, C. T. (SM)
Thomas, T. C. (M)
Thomason, W. J. (M)
Thomson, W. J. (M)
Thomson, W. J. (M)
Thomson, J. R. (M)
Thomson, J. R. (M)
Thomoson, W. J. (M)
Thomoson, J. T., Jr. (M)
Thurmond, F. S., Jr. (M)
Tible, S. M. (M)
Travis, J. B., Jr. (M)
Trewitt, M. B. (M)
Tucker, D. J. (SM)
Tullius, R. F. (M)
Vandigriff, J. E. (M)
Vardon, J. L., Jr. (SM)
Vanderpool, C. L. (A)
Vandigriff, J. E. (M)
Vardon, J. L., Jr. (SM)
Vallace, P. P. (M)
Wallace, R. M. (M)
Wallace, R. M. (M)
Wallace, R. M. (M)
Wallace, R. R. (SM)
Wallace, R. R. (SM)
Wallace, R. R. (SM)
Weeker, R. R. (SM)
Weeker, R. R. (SM)
Weeker, R. R. (SM)
Weeker, R. R. (SM)
Wolfolk, R. L. (SM)
Wolfolk, R. M. (M)
Williams, C. S. (SM)
Williams, C. S. (SM)
Williams, C. S. (SM)
Wolfolk, R. L. (SM)
Wolfolk, R. L. (SM)
Wolfolk, R. M. (M)
Williams, C. S. (SM)
Wolfolk, R. M De Kalb (SHR-5) Harkey, T J. (A)

Devine (\$A-A-6) Burkholder, C. C. (M) Dickinson (HOU-6) Thomason, E. M. (A) E1 Campo (HOU-6) Copeland, T J. (M) Del Rio (SA-A-6) Chemack, S. (A) Williams, R. D. (M) Denison (DAL-6) Knight, J.D. (A)
Patti, V.C. (A)
Slagle, D.F. (A)

Denton (FW-6) Haisler, J. B., Jr. (M) El Paso (EP-6)
Alexander, W. R. (A)
Anderson, K. E. (A)
Armstrong, J. H. (M)
Awerre, C. W. (A)
Baird, M. B., Jr. (M)
Baird, J. K. (M)
Barto, R. C. (M)
Barto, R. C. (M)
Basto, R. C. (M)
Bastian, W. M. (M)
Bayer, J. A. (A)
Beck, C. L. (A)
Beymer, E. H. (M)
Bigelow, G. F. (M)
Brown, J. S. (M)
Bryaut, A. D. (M)
Brown, J. S. (M)
Gryaut, A. D. (M)
Clatfelter, A. C. (SM)
Cletland, L. M. (M)
Crosson, J. W. (M)
Davis, W. B. (M)
De Busk, W. H. (A)
De Long, G. E. (M)
Dryden, E. R., Jr. (A)
Frischer, D. W., Jr. (A)
Frischer, D. W., Jr. (A)
Frischer, D. W., Jr. (A)
Franks, E. A. (A)
French, C. E. (M)
Gavaldon, A. L. (A)
Geller, M. (A)
Giorgi, D. A. (A)
Hardison, J. M. (M)
Hart, B. G. (A)
Hardison, J. M. (M)
Hart, B. G. (A)
Hardison, J. M. (M)
Hoft, W. L. (A)
Jones, R. T. (A)
Jones, T. R., Jr. (M)
Johnson, D. L. (M)
Johnson, D. L. (M)
Jones, R. T. (A)
Jones, T. R., Jr. (M)
Keich, J. E. (A)
Kerker, R. (M)
Keich, J. E. (A)
Kerker, R. (M)
Kotovsky, S. K. (M)
Krivanich, M. A. (M)
Krivanich, M. A. (M)
Krivanich, M. A. (M)
Krutilek, G. A. (A)
Kuberski, C. C. (M)
Mager, R. F. (M)
Mager, R. F. (M)
Mocollum, A. J. (A)
McCollum, A. J. (A)
McCerary, J. T. (A)
McCollum, A. J. (A)
McCorary, J. T. (A)
McCollum, A. J. (A)
McCollum, A. Thompson, C. A. (A)
Thome, H. W. (A)
Tisdale, W. G. (A)
Toland, W. A. (M)
Trullinger, L. L. (A)
Van Gorder, M. (M)
Walker, P. G., III (M)
Walker, B. F. (SM)
Walton, K. J. (SM)
Wasser, N. (M)

Watkins, R.J. (M)
Webb, L. G. (M)
White, W. L. (A)
Wilder, G. E. (M)
Wilson, D.J. (A)
Winant, A. T. (M)
Youngberg, W. A. (M)

Fort Bliss (EP-6) rt Bliss (EP-6)
Andrews, L.A. (M)
Chin, Q. (M)
Mercesslan, Y. T. (M)
Rieger, R. W. (M)
Rush, R. I. (M)
Tomlin, E. W., III (A)
Vass, J. L., Jr. (A)
Waite, A. C., Jr. (M)

Fort Davis (EP-6) Thompson, A. R. (M)

Fort Hood (FW-6) Montoya, J. R. (A)

Fort Worth (FW-6) t Worth (FW-6)
Abshler, D. G. (M)
Absolom, R. H. (A)
Adams, W. A. (M)
Allen, C. A., Jr. (N)
Athans, M. (A)
Babh, D. D. (A4) Actnars, M., VA/
Babb, D.D., (M)
Baglione, D.F., (A)
Baker, B. R., (M)
Baker, R. O., (M)
Ball, J. H., (M)
Barr, E. W., (A)
Baswell, A. C., Jr., (M)
Beasley, B., (M)
Beasley, B., (M)
Beasley, B., (M)
Beasley, B., (M)
Berkley, R. D., (M)
Berkley, R. D., (M)
Bordelon, C. J., (A)
Bornard, L. C., (M)
Bordelon, C. J., (A)
Bornard, L. C., (M)
Bridges, D. K., (A)
Broson, R. D., (M)
Broder, E. G., Jr., (M)
Broder, E. G., Jr., (M)
Brooker, E. G., Jr., (M)
Brooker, J. E., (A)
Brown, M.A., (M)
Brust, M. F., (M)
Bryan, K. W., (M)
Bunch, B.D., (A)
Burkhalter, W. R., M., (M)
Carlson, R. L., (A)
Carmouche, C., (M)
Carlson, R. L., (A)
Carmouche, C., (M)
Carlstian, H. C., (M)
Clark, L. T., (A)
Clements, C. W., (SM)
Clewents, C. W., (SM)
Clements, C. W., (SM)
Condron, W. F., (M)
Condron, **TEXAS** - 546 -

Goggin, J. C. (M)
Gordon, M. J. (M)
Gordon, M. J. (M)
Green, G. M. (M)
Green, P. C. (SM)
Greenle, D. R. (M)
Grider, K. V. (M)
Grider, K. V. (M)
Hair, J. R. (A)
Hair, J. R. (A)
Hair, J. R. (A)
Hair, J. R. (A)
Hair, J. R. (M)
Harmon, J. L. (M)
Harmon, J. L. (M)
Harmon, J. M. (M)
Harmon, J. M. (M)
Harw, F. W., Jr. (M)
Hawkins, W. K. (A)
Hayes, R. R. (M)
Heizer, L. E. (A)
Hicks, R. D. (M)
Hicks, R. D. (M)
Hicks, R. D. (M)
Hicks, R. D. (M)
Hicks, R. C. (A)
Holiday, C. E. (A)
Holliday, C. E. Roberts, P. L. (A)
Robertson, D.R. (M)
Robertson, G.H. (M)
Robertson, G.H. (M)
Robinson, D.A. (M)
Romaker, P. F. (A)
Ross, C. C. (VA)
Roy, F. J. (M)
Rushing, G. F. M)
Salis, A. E. (SM)
Sanchez, C. M. (A)
Sayre, G. L. (M)
Seale, I. A. (M)

Serfass, B. R. (A)
Sewell, C. R. (M)
Seymour, D. E. (M)
Shaver, J. W. (M)
Shapherd, M. F. (M)
Shipman, H. F. (A)
Shoptaugh, J. R., Jr. (A)
Sigler, G. A., Jr. (M)
Sissom, A. W. (SM)
Sisom, A. W. (SM)
Sisom, A. W. (SM)
Sivernell, R. B. (A)
Slack, J. R. (M)
Slagle, G. M., Jr. (A)
Smith, L. B. (M)
Smith, L. B. (M)
Smith, J. B. (M)
Smith, J. B. (M)
Smith, R. C. (A)
Smith, R. C. (A)
Smith, R. C. (A)
Smith, R. C. (A)
Smith, J. B. (M)
Smith, R. C. (A)
Smith, R. C. (A)
Smith, R. C. (A)
Smith, R. C. (A)
Smith, J. B. (M)
Smith, R. C. (A)
Smith, J. B. (M)
Smith, R. C. (A)
Smith, L. B. (M)
Smith, R. C. (A)
Smith, J. B. (M)
Smith, R. C. (A)
Smith, J. C. (M)
Smith, R. C. (A)
Smith, J. J. (M)
Strack, J. J. (M)
Strack, J. J. (M)
Strack, L. W., Jr. (M)
Strack, L. W., Jr. (M)
Strack, L. W., Jr. (M)
Strack, L. Jr. (M)
Strack, J. J. (M)
Travis, C. M. (SM)
Trimm, J. J. (M)
Trimm, J. H. (M)
Tricker, B. J. (M)
Tricker, B. J. (M)
Trimm, J. H. (M)
Tricker, B. J. (M)
Watlis, D. E. (M)
Watlis, D. E. (M)
Watlis, D. E. (M)
Webb, E. E. (SM)
Webb, E. E. (SM)
Welder, C. R. (M)
Welder, N. E. (M)
Welder, C. R. (M)
Welder, N. E. (M)
Williams, J. F. (M)
Williams, C. E. (A)
Williams, C. E. (A)
Williams, C. E. (A)
Wood, G. K. (A)
Wood, G. K. (A) Woodrun, H.C. (A) Worley, E. B., Jr. (M) Young, F. W. (M)

Freeport (HDU-6) Coker, S. G. (M)

Friendswood (HDU-6) Havard, W. L. (A)

Galveston (HDU-6) Allen, L. G. (A) Lee J. L. (M) Matthews, J. A. (A)

Ganado (HOU-6) Patton, A. D. (M)

rland (DAL-6)
Alberline, H., Jr. (SM)
Andreassen, H. N. (M)
Bickel, R. L. (M)
Bondy, M. A. (M)
Bondy, M. A. (M)
Buie, J. G. (A)
Carroll, J. M. (M)
Cawood, J. L. (A)
Coleman, H. R. (A)
Davis, P. D. Jr. (SM)
Dubose, G. P. (M)
Evans, L. L. (M)
Faith, W. D. (SM)
Furnell, W. W. Jr. (SM)
Granger, F. P., Jr. (M)
Granger, F. P., Jr. (M)
Grubbs, C. E. (M)
Grubbs, C. E. (M)
Grubbs, W. C., Jr. (SM)
Hager, C. K. (M)
Harton, P. L. (M)
Kattawar, A. (M)
Keeth, J. R. (M)
Logan, F. (M)
Lynn, J. C. (M)
MacKenzie, D. G. (M)
MacCrum, K. W. (M)
McCrum, K. W. (M)
McCrum, K. W. (M)
McCrum, K. W. (M)
McCrum, K. W. (M)
Parish, H. G. (M)
Parish, H. G. (M)
Parish, H. G. (M) Garland (DAL-6) Parish, H. G. (M)
Parrish, D. C. (M)
Sandefer, S. R. (A)
Sanford, A. L. (A) Sanford, A. L. (A)
Sims, J.C. (M)
Sneed, J. D. (M)
Spilman, J. C. (M)
Stanton, A. N. (SM)
Tackett, H. A. (SM)
Taylor, D. R. (M)
Tipton, C. D. (SM)
Underbrink, G. P. (M)
Whiteside, D. L. (M)
Williams, B. M. (SM)
Williams, C. E. (M)
Yeager, D. L. (A)

Genoa (HDU-6)
Davis , G . A . (A)
Johnson , D . F . (M)
Teague , J . W . (M)

Yeager, D. L. (A)

Georgetown (FW-6) Brown, B. M. (M)

Grand Prairie (DAL-6) ind Prairie (DAL-6)
Albertson, H. D. (M)
Anderson, R. P. (M)
Blanning, R. B. (M)
Chadboume, J. D. (M)
Davis, J. T., Jr. (M)
Howell, J. S., Jr. (A)
Morris, B. V. (M)
Tharp, C. U. (A)
Young, D. C. (M)

Grapevine (FW-6) Blackshear, J. W. (A) Donovan, J. J. (M) Koogle, J. F. (A)

Greenville (DAL-6) Cain, R. E. (M) Johnson, D. M. (M)

Harlingen (SA-A-6) Belken, V. J. (M)

Hempstead (HDU-6) Sherron, R. J., Jr. (M)

Henderson (SHR-6) Daniels, T. E. (SMD

Hitchcock (HOU-6) Hullett, V. T. (A)

Houston (HQU-6) Jston (HOU-o)
Adkins, E. E., III (A)
Albertson, J. N. (A)
Anderson, W. L. (SM)
Armand, H. A. (SM)
Asbury, R. T. (M)
Atkinson, C., Jr. (M)
Atkinson, C., Jr. (M)
Atkinson, C., Jr. (M)
Bader, R. T. (M)
Bader, R. J. (SM)
Baker, B. M. (SM)
Baker, B. M. (SM)
Baker, B. M. (SM)
Baker, L. E. (M)
Baker, L. E. (M)
Baker, L. E. (M)
Baker, L. (A)
Beering, K. R. (M)
Beender, J. C. (SM)
Beender, J. C. (SM)
Beender, J. C. (SM)
Beender, J. C. (SM)
Beyer, F. (A)
Beyer, F. (A)
Beyer, J. A. (M)
Biggs, M. A. (A)
Blanchard, A. (SM)
Bobbitt, J. T. (M)
Bodden, A. L., Jr. (A)
Booker, J. L. (A)
Bowers, W. E. (A)
Bowers, W. E. (A)
Bowers, W. E. (A)
Bowers, M. E. (SM)
Buchner, G. D., Jr. (SM)
Buchner, G. D., Jr. (SM)
Buchner, G. D., Jr. (SM)
Burdows, R. E. (SM)
Campack, A. R. (A)
Campabell, J. R. (M)
Campack, A. R. (A)
Campack, J. L. (M)
Cander, Y. H. J. (SM)
Conter, J. R. (M)
Cook, G. R. (SM)
Conter, T. W. (M)
Cros, J. R. (M)
Cook, G. R. (SM)
Conter, J. R. (M)
Cook, G. R. (SM)
Cook, Drennan, H. J. (M)
Drisdale, T. B. (A)
Durree, E. M. (SM)
Eaton, F. M. (M)
Edwards, W. H. (A)
Ehrlich, B. F. (M)
Ekeroot, S. (A)
England, L. T. (A)
Ergland, L. T. (A)
Ergland, L. T. (A)
Ergland, L. T. (A)
Frosen, F. J. (SM)
Fossler, K. L. (M)
Francis, C. A. (M)
Gradner, D. H. (VA)
Gardner, D. H. (VA)
Greer, W. (A)
Green, J. W. (M)
Green, W. (M)
Green, W. (M)
Green, W. (M)
Halliday, D. K. (SM)
Halliday, D. T. (SM)
Halliday, D. T. (SM)
Halliday, D. T. (SM)
Handon, E. G. (A)
Hanus, F. J. (A)
Harvis, R. A. (M)
Harvis, R. A. (M)
Heintz, K. D. (SM)
Herod, R. A., Jr. (M)
Hilkon, R. C. (M)
Hillon, R. (A)
Hougen, H. C. (M)
Hillon, M. H. (A)
Hillon, M. H. (A)
Hillon, W. T. Jr. (M)
Hurlbert, L. L. (M) Madeley, P. E. (M)
Maness, J. H. (M)
Marouess, R. L. (A)
Marsh, G. E. (M)
Marsh, G. E. (M)
Martin, S. A. , Jr. (M)
Matteson, L. W. , Jr. (A)
Matthews, C. R. (A)
Matthews, T. S. (M)
McCabe, L. L. (SM)
McCabe, L. L. (SM)
McCabe, L. L. (SM)
McCabe, L. L. (SM)
McCabe, L. L. (M)
McLandon, C. R. (M)
McLandon, C. R. (M)
McLandon, C. R. (M)
McManis, L. B. (SM)
McManis, L. B. (SM)
McManis, L. B. (SM)
Milliar, W. R. (M)
Melton, D. P. (M)
Milliar, H. D. (M)
Millis, E. G. (M)
Millis, L. (M)
More, A. M. (M)
Moore, A. M. (M)
Moore, A. M. (M) Monkhouse, J. R. (M)
Monkhouse, J. R. (M)
Moore, A. M. (M)
Moore, R. D., Jr. (A)
Mullan, L. A. (M)
Nelsen, H. H. (M) Neuenschwander, E. F. (M) Nicolau, N. G. (M) D'Brien, D. D. (A) Drding, J. R. (A)
Drsinger, A. R. (M)
Drsinger, A. R. (M)
Drsinger, A. R. (M)
Dis, D. C. (M)
Packard, J. C. (M)
Palmer, C. C. (M)
Palmer, C. C. (M)
Palmer, D. M. , Jr. (M)
Parsons, R. W. (A)
Patterson, H. B. , Jr. (M)
Pearson, J. B. (M)
Pennington, M. S. (A)
Phillips, F. S. (M)
Pierson, A. L. , III (M)
Pittman, R. R. (M)
Pittman, R. R. (M)
Plumb, P. E. (A)
Rank, W. B. (M)
Ransome, R. L. (M)
Redd, A. C. (M)
Rodd, A. C. (M)
Roddos, H. A. (M)
Roddos, H. A. (M)
Roddos, F. R. (M)
Roddos, F. R. (M)
Roddos, F. R. (M)
Roddos, R. M. (M)
Rogers, H. H. , Jr. (M)
Rogers, H. H. , Jr. (M)
Rogers, H. H. , Jr. (M)
Rogers, H. M. (SM)
Santee, B. D. (M)
Santee, B. D. (M)
Sasseen, J. H. (SM)
Savage, K. D. (A) Santee, B. D. (M)
Santee, B. D. (M)
Savage, K. D. (A)
Savage, K. D. (A)
Sawyer, W. G. (M)
Saver, N. K. (M)
Schmidt, F. P. (A)
Schmidt, H. (A)
Schmidt, H. (A)
Schmidt, H. (M)
Schuster, N. A. (SM)
Schridt, T. C. (M)
Schot, T. C. (M)
Schot, T. C. (M)
Seray, H. A. (M)
Seray, H. A. (M)
Selxas, A. D. (A)
Sembera, F. J. (M)
Sharpe, M. D. (SM)
Shawer, E. F. (M)
Sherrill, B. (M)
Slems, L. E. (M)
Sherrill, B. (M)
Silvus, H. S., Jr. (M)
Skellie, A. C. (M)
Skellie, A. C. (M)
Smith, D. R. (SM)
Spann, M. M. (M)
Spann, M. M. (M)
Spanks, D. J. (A)
Stence, D. W. (SM)
Stapleton, J. W. (M)
Stapleton, J. W. (M)
Stevard, W. B. (SM)
Stickley, D. F. (A)
Stotler, D. E. (A)
Tanguy, D. R. (M)
Tanguy, D. R. (M) Thomas, C. W., Jr. (A)
Thompson, R.R. (SM)
Thompson, R.R. (SM)
Thomton, L. C. (A)
Thurmond, J. G. (A)
Thurmond, J. G. (A)
Turner, C. G. (SM)
Ulmer, J. G. (A)
Ulmer, J. H. (SM)
Van Wambeck, S. H. (SM)
Van Wambeck, S. H. (SM)
Vincent, L. P., Jr. (M)
Vogel, C. B. (M)
Walker, H. D., Jr. (A)
Walker, W. T. (M)
Washburn, W. M. (A)
Waters, J. S. (M)
Watson, J. S. (A)
Watt, J. S. (SM)
Weidner, C. P. (A)
Wilkinson, S. L. (M)
Wilkinson, S. L. (M)
Williamson, S. L. (M)
Williamson, S. L. (M)
Williamson, W. W. (A)
Wilsheneyer, C. R. (SM)
Wilsheneyer, C. R. (SM)
Wilsheneyer, C. R. (SM)
Wildiamson, W. W. (A)
Woofbord, J. H. (M)
Wolford, J. H. (M)
Wofford, J. H. (M)
Wofford, J. H. (A)
Wright, J. L. (A)
Wright, J. L. (A)
Wright, J. L. (A)
Wrye, W. C. Jr. (M)
ZIII, F. W. (M)

Zill, F. W. (M)

Irving (DAL-6)

Atchley, B. K. (M)

Baker, T. J. (M)

Breithaupt, J. J. (M)

Butler, D. M. (M)

Clevela.d, A. R. (M)

Curling, R. L. (M)

Dillon, P. (M)

Flowers, B. R. (M)

Hampton J. W. (SM)

Harris, H. F. (M)

Haskins, D. E. (M)

Heithecker, L. F. (M)

- 547 -UTAH

Le Gette, J. L. (M) Jones, J. F. (SM) Jones, W.B. (M) Krames, C. V. (SM) Lewis, R. E. (M) Names, C. V. (Sm)
Lewis, R. E. (M)
Logan, J.J. (SM)
MacDonald, F. H. (M)
MacDonald, F. H. (M)
Maberry, K. L. (M)
Merington, R. N. (A)
Nelson, S. R. (A)
Nichols, L. A. (A)
Penn, T. C. (SM)
Penn, T. C. (SM)
Roberts, B. W. (M)
Seals, R. R. (M)
Sheppard, D. E. (A)
Skelton, C. W. (SM)
Smith, C. H. (M)
Stone, R. M. (SM)
Stollivan, W. A., Jr. (M)
Telew, W. (M)
Telew, W. (M)
Thomas, C. R. (M)
Walker, R. K. (M)
Wisdom, A. H. (M)

Kelly AFB (SA-A-6) Cooper, J. H. (M) Hirsch, C. U. (A) Robertson, J.T. (M)

Kermit (LP-6) Hopper, W. L. (M)

Kerrville, (SA-A-6) Mason, A.F., Jr. (M)

Kingsville (SA-A-6) Balkanli, H. (M)
Guinn, J. R., Jr. (M)
Korges, E. (M)
Rawls, H. F. (A)

Lackland AFB (SA-A-6) Wier, E. J., Jr. (M)

Lackland City (SA-A-6) Stenshoel, C.R. (M)

Lake Jackson (HOU-6) Williams, W. E. (M)

La Porte (HOU-6) Harrison, R. H. (A)

Laredo (SA-A-6) Hitt, G. C. (M) Thomas, G. W. (A)

Longview (SHR-6) Bean, R. N. (M)

Lubbock (LUB=6) Bland, E. W. (A)
Bryant, R. S. (A)
Cardwell, H. A. (M)
Carver, D. H. (M) Cardwell, H. A. (M)
Carver, D. H. (M)
Charlesworth, L. M. (A)
Craig, J. P. (A)
Criswell, J. J. (M)
Delashaw, J. W. (M)
Donaldson, C. A. (M)
Easter, B. H. (A)
Edwards, D. J. (A)
Fagan, J. R. (M)
Grigsby, L. L. (M)
Hollingsworth, R.B. (A)
Houston, C.E. (SM)
Hutton, C.D. (A)
Joiner, J. B. (M)
Jones, L. B., Jr. (A)
Kilcraese, E. F. (M)
Lankford, I. C., Jr. (A)
Leen, R. F. (SM)
Paul, C. A. (M)
Paul, C. A. (M) Pease, L. A. (M) Smith, G. H. (A)

Lufkin (B-PA-4) Hill, F. C. (M) Saxon, M. (SM)

Marble Falls (FW-6) McDonald, C. J. (M)

Mesquite (DAL-6) Gray, T., Jr. (A) Nieswiadomy, B. L. (M)

Midland (LUB-6) Iland (LUB-6)
Coleman, M.V., Jr. (M)
Floyd, C. W., Jr. (M)
King, V. G. (M)
Lowery, R. O. (M)
Maunder, E.R. (M)
Murphy, M. L. (A)
Nance, B. J. (M)
Yates, T. (A)

Mineral Wells (FW-6) Dunlavy, J. H., Jr. (A) Mitchell, D. H. (SM)

Nederland (B-PA-6) Leins, F.R. (M)

Odessa (LUB-6) Blake, R. C. (A) Schock, W. R. (A)

Orange (B-PA-6) Coale, C. R., Jr. (Jones, R.L. (M) Stivers, R. B. (M) Jr. (M)

Overton (SHR-6) Sutton, J.P. (M)

Palacios (HUU-6) Arnold, H. N. (A)

Pampa (LUB-6) McQuigg, H. E. (M)

Pasadena (HOU-6) Clarke, C. V., Jr. (M) Gulihur, D. L. (M)

Perrin AFB (DAL-6) Kreger, K. W. (M)

Point Comfort (SA-A-6) Conant, R. D. (M)

Ponder (FW-6) Swafford, T. W., Jr. (M)

Port Arthur (B-PA-6) t Arthur (B-PA-6)
Dolsnn. R.M. (A)
Hamilton, C.J., Jr. (M)
Hurst, E. H. (M)
Krelly, W. T. (M)
Krute, E. H. (A)
Monroe, W. M. (A)
Swanson, E.C. (M)

Port Isabel (SA-A-6) Brand, J. (M)

Port O'Connor (SA-A-6) Caldwell, J. L., Jr. (M)

Prairie View (HOU-6) Kelly, G. E., Jr. (M)

Relly, G. E., Jr. (M)

Richardson (DAL-6)
Adams, J. E. (M)
Allen, M.B. (M)
Ariail, H. E., Jr. (M)
Athans, M. (A)
Bark, D. A. (M)
Blogs, J. A. (SM)
Blount, J.F. (M)
Bhan, J. L. (M)
Braginton, P. R. (SM)
Braun, C. (A)
Brooks, F. E., Jr. (F)
Brown, J. M. (M)
Carter, R. C. (M)
Cate, G. M. (M)
Cate, G. M. (M)
Cooke, H. F. (M)
Cornolin, C. D. (M)
Cornolin, C. D. (M)
Condell, E. L. (M)
Davidson, K.W. (M)
Donnell, W. F. (A)
Eddleston, J.H. (M)
Eichenseer, R. J. (M)
Fenner, R. G. (M)
Fener, R. G. (M) Eicnenseer, R. J., KM)
Fenner, R. G. (M)
Foos, R. (A)
Foos, R. (A)
Gage, R. G. (M)
Garon, A. J. (SM)
Gilbreath, B. F. (M)
Gilbreath, B. F. (M)
Halvorson, R. L. (M)
Halvorson, R. L. (M)
Hern, H. D. (M)
Herndon, R. A. (M)
Hertel, P., Jr. (M)
Higginbotham, H. L. (M)
Hill, J. D., III (M)
Hughes, L. E. (A)
Hull, J. E. (M)
Jasper, J. D. (M)
Jasper, J. D. (M)
Jones, J. W. (M)
Lee, R. E. (SM)
Leming, T. L. (M)
Lee, R. E. (SM)
Leen, R. C. (M)
Lucke, G. N. (M)
Lucke, C. N. (M)
Manning, V. R. (M)
Manning, V. R. (M)
Mason, J. S. (M)
Mitchell, A. T. (A)
Muhm, R. E. (M)
Michols, R. A. (M)
Nickel, W. L. (M)
Obenhaus, R. E. (M)
Piperiger, D. C. (A)
Powers, J. D. (M)
Piperiger, D. C. (M)
Prier, H. W. (A)
Spieker, M. (M)
Sebesta, J. R. (M)
Sebesta, J. R. (M)
Sebesta, J. R. (M)
Spieker, M. (M)
Spieker, M. (M)

Stambaugh, E. D. (A) Stewart, R. F. (M)

Stillwell, H. F. (SM) Veerman, W. H. (M) Warriner, B. (SM) Wendlandt, C.W. (M) Wolff, E. A., Jr. (M) Yaple, T. L. (M)

Saginaw (FW-6) Knote, W. E. (A)

San Angelo (SA-A-6) Vancil, B. 1. (M)

San Angelo (SA-A-6)
Vancil, B. I. (M)
San Antonio (SA-A-6)
Adams, R. M. (A)
Anderson, W. L. (M)
Annold, J. B. (SM)
Balusek, A. J. (M)
Bekwith, J. E. (M)
Bekwith, J. E. (M)
Berson, P. I. (A)
Berguist, A. O. (A)
Blake, G. A. (SM)
Brann, W. (M)
Bristow, G. P., Jr. (M)
Brogan, F. A. (SM)
Brodan, H. (M)
Cadena, D. G. (M)
Cadena, D. G. (M)
Camack, W. J. (A)
Case, D. (A)
Chamberlain, P. E. (M)
Clee, L. W. (A)
Crites, C. R. (M)
Crockett, A. E. (M)
Cuccia, J. W. (A)
Cunningham, J. B. (A)
Donaldson, W. L. (SM)
Dubols, V. G., Jr. (A)
Duepner, F. (M)
Edmonson, J. W. E. (M)
Egerton, W. G. (SM)
Egers, S. L. (M)
Fountain, L. S. (M)
Ford, M. J. (A)
Fountain, L. S. (M)
Ford, M. J. (A)
Fountain, L. S. (M)
Gallagher, J. D. (M)
Gardiner, B. E. (A)
Gosch, V. E. (A) Gardiner, B.E. (A)
Gosch, V. E. (A)
Graf, C. R. (M)
Graf, C. R. (M)
Gunkel, W.A. (M)
Hallam, J. T. (M)
Hallam, J. T. (M)
Hamm, W. J. (SM)
Harrell, R. D. (A)
Harris, W. C. (A)
Harris, W. C. (A)
Harris, W. C. (A)
Hornbrook, F. W. (M)
Ing, G. W. (SM)
Jackson, T. R. (A)
Mores, C. L. (SM)
Jones, R. L., Jr. (A)
Kelly, R. W. (M)
King, J. D. (M)
Lamb, H. O. (M)
Lamb, H. O. (M)
Laster, C. C., Jr. (M)
Miller, W. M. (M)
Medina, G.R. (A)
Miller, W. J. (A)
Miller, W. J. (A)
Miller, W. J. (A)
Miller, C. M. (M)
Miller, C. R. (M)
Morris, C. R. (M)
Morris, C. R. (M)
Morris, C. R. (M)
Porter, J. B. (M)
Pool, E. B. (M)
Porter, J. B. (M)
Prucha, M. J. (M)
Rhodes, M. H. (A)
Blebau E. O. (SM) Rhodes, M. H. (A)
Richey, E. O. (SM)
Rives, J. B. (SM)
Samford, H. L. (A)
Savion, L. J. (A)
Sears, D. (M)
Semmes, D. R. (A)
Siegel, H. A. (A)
Siegel, H. A. (A)
Sieges, R. E. (SM)
Simpson, S. H., Jr. (SM)
Smith, M. T. (M)
Stokes, P. B. (M)
Stokes, P. B. (M)
Stokes, P. B. (M)
Stollivan, M. C. (M) Sullivan, M. C. (M)
Tollerson, J. C. (M)
Taucer, C. W. (M)
Travers, D. N. (M)
Travers, D. N. (M)
Travers, D. N. (M)
Wardell, H. W. (M)
Watson, J. T. (A)
Watson, R. J. (M)
White, D. D. (A)
White, D. D. (A)
Wiggins, E. D. (M)
Wilkes, C. P. (M)
Wines, C. B., Jr. (A)
Wormser, J. J. (M)
Zimmerman, L. O. (M)
Zumwalt, B. C. (M)

San Benito (SA-A-6) Hill, R. T. (M)

San Marcos (SA-A-6) Whan, D. F. (A)

Seguin (SA-A-6) Vahrenkamp, R. H., Jr. (M)

Sour Lake (B-PA-6) Collins, J.P. (M) Cross, O. (A)

Sunray (LUB-6) Perkins, C. S. (M)

Tarleton Station (FW-6) Baker, L. T. (M)

Temple (FW-6) Fowler, A. F. (A) Martin, B. A. (M)

Texarkana (SHR-6) Dickinson, M. A. (A)

Texas City (HUU-6) Meyer, J. L. (M)

Tyler (DAL-6)
Godfrey, R. M. (M)
Grice, C. F. (M)
Hays, J. W. (A)

Vernon (FW-6) Watts, J. D. (M)

Victoria (SA-A-6) Joss, J. W. (A) Scroygins, C. M. (M)

Waco (DAL-6) Fulwiler, R. J. (A) Schwetman, H. D. (SM)

Waxahachie (DAL-6) Pitts, W. C., Jr. (M)

West Columbia (HOU-6) Blair, R. S. (M)

Wichita Falls (FW-6) Adams, J. (A)
Dickensheets, L. (A)
Wiley, H. T. (M)

Ysleta (EP-6) Lane, J. F. (A)

ИТАН

Bountiful (SLC-7)
Anderton, C. W. (M)
Barneck, C. A. (A)
Bowen, M. J. (M)
Glover, K. H. (M)
Hansen, C. F. (M)
Moss, S. D. (M)
Prisbrey, D. (A)
Reidel, R. L. (A) Reigel, K. L. (A)
Richardson, F. L. (M)
Stephenson, L. D. (M)
Washburne, J. W. (A)
Wilson, D. E. (M)
Yancey, L. D. (M)

Brigham City (SLC-7) Black, F. B. (M) Chiaretta, F. L. (M) Gardner, T. W. (A) Jensen, S. D. (M)

Centerville (SLC-7) Folsom, J. B. (M)

Clearfield (SLC-7) Billings, R. G. (M) Kartchner, K. A. (M) Taylor, J. M. (M)

Dutch John (SLC-7) Eggers, J. W. (M)

Heber (SLC-7) Fisher, B. (M)

HIII AFB (SLC-7) Brewer, L. R. (M) Dickman, F. R. (A)

Hyde Park (SLC-7) Hancey, H. L. (M)

Hyrum (SLC-7) Atkinson, A. L. (M)

Kaysville (SLC-7) Kishimoto, T. H. (M)

Layton (SLC-7) Loomia, F. E. (A)

Lehi (SLC-7) Wing, G.J.(M)

Logan (SLC-7)
Chadwick, D. G. (M)
Clark, C. (SM)
Cole, L. S. (SM)
Jones, W. L. (SM)

Magna (SLC-7) Sedlor, R. J. (M) Moab (SLC-7) Widows, C. H. (A)

Murray (SLC-7) may (SLC-7)
Burgess, E. W. (M)
Judkins, C. D. (M)
Patterson, C. L., III (M)
Reid, D. W. (M)
Rinn, B. R. (A)
Tew, D. E. (M)

Ogden (SLC-7)
Barrett, M. J. (M)
Lee, G. F. (M)
Lone, R. S. (M)
Mitchell, J. W. (M)
Rudd. F. S. (M)
Urle, H. G. (A)
Wardleigh, G. R. (M)

Provo (SLC-7) Bartholomew, D. (M) Hurlbut, P. R. (M) Jonsson, J. J. (SM) Monson, D. J. (M)

Roy (5LC-7) Arrington, A. C. (M)

Salt Lake City (SLC-7) Adams, B. L. (M)
Ahearm, J. M. (M)
Ahearm, J. M. (M)
Alley, C. L. (SM)
Anderson, J. E. (A)
Arbaney, V. A. (M)
Ballard, F. (A)
Brown, D. E. (M)
Brown, D. E. (M)
Brown, D. E. (M)
Brown, J. E. (M)
Carman, F. C. (M)
Carman, F. C. (M)
Carman, F. C. (M)
Carman, G. R. (M)
Corbran, G. R. (M)
Cothran, G. R. (M)
Cothran, G. R. (M)
Cothran, G. R. (M)
Davis, T. D. (M)
Davis, T. D. (M)
Davis, T. D. (M)
Davis, T. D. (M)
Dixon, D. R. (M)
Eintuch, H. (M)
Gates, F. Y. (M)
Gener, J. E. (M)
Green, D. J. (M)
Grow, R. W. (SM)
Green, D. J. (M)
Grow, R. W. (SM)
Hall, J. E. (A)
Haycock, D. C. (SM)
Harris, L. D. (SM)
Harrey, T. (A)
Haycock, O. C. (SM)
Harrey, T. (A)
Haycock, O. C. (SM)
Heine, W. (M)
Heing, W. M. L. (M)
Heing, M. M. L. (A)
Hoopgan, M. J. (A)
Hoopgan, M. J. (A)
Hobbard, J. J. (A) Hunt, M. J. (A)
Johnson, W. L. (M)
Kiltz, R. M. (M)
Lambert, T. M. (M)
Larsen, R. R. (A)
Longson, F. W. (M)
McLaughlin, J. W. (M)
Meyer, H. E., Jr. (M)
Miller, D. (M) Meyer, K. E., JT. LWN
Meyer, K. G. (M)
Miller, D. (M)
Murphy, L. C. (M)
Nicholes, G. H. (M)
Nicholes, R. D. (M)
Noffsinger, D. T. (A)
Piele, G. H. (M)
Pound, E. F. (A)
Powers, J. T. (M)
Rathke, J. E. (A)
Redd, H. J. (M)
Robinson, W. H. (A)
Shaffer, M. R., Jr. (M)
Stimpson, E. C., Jr. (M)
Trinnaman, R. R. (A)
Vodak, A. W. (M)
Wagner, L. W. (M) Wagner, L.W.(M) Warner, H.R.(A) Watson, D. R. (M) Weimer, J. W. (A) Wells, K. R. (M) Wright, J. W. (F)

Sandy (SLC-7) Atwood, K. W. (M) Nelson, K. F. (M) Skinner, R. L. (M)

Smithfield (SLC-7) Finchum, W. A. (M)

Spanish Fork (SLC-7) Hone, 5. J. (M)

Tremonton (SLC-7) Blom, D. E. (A) Woods Cross (SLC-7) Smith, K. D. (M) Urry, L. W. (M)

VERMONT

Bennington (BOS-I) Osgood, D.W (M)

Burlington (B-NV-I) lington (B-NV-I)
Bender, D. R. (M)
Borah, D. F., III (A)
Cloutler, M. P. (A)
Eckels, A. R. (SM)
Frisby, W. L. (M)
Irwin, R. W., J. (A)
Landry, A. (M)
Laroche, R. A. (M)
Leonard, C. E. (M)
Martin, S. T. (SM)
Mooney, R. M. (M)
Sichel, F. J. M. (SM) Sichel, F. J. M. (SM) Tlerney, J. W. (M)

Charlotte (B-NV-I) Parlas, J. L. (SM)

Chester (BOS-I) Rowe, A. H. (A)

Fesay Junction (R-MV-1) ex Junction (B-NV-I)
Beauregard, L. P. (A)
Faunce, N. J. (M)
La Porte, G. L. (M)
Marcotte, R. A. (M)

Jericho (B-NV-I) Snowman, L. R. (M)

Newport (B-NV-I) Jones, A. H. (M)

Northfield (B-NV-t) Marsh, R. F. (SM) Seal, P. M. (SM) Webb, M. L. (M)

Richmond (B-NV-I) Quinn, P. A. (A)

Rutland (BUS-I) Church, H. V. (M) Lyman, R. P. (SM) O'Brien, J. A. (M)

St. Albans (B-NV-I) Wright, H. E. (M)

Bundy, L. M. (M)

South Burlington (B-NV-I) Dudevoir, W. G. (M) Horvath, C. (M) Wheatley, D. M. (M)

South Woodstock (BOS-I) Garceau, L. (M)

Springfield (BOS-I) Churchill, D. W. (A) Lohan, F. J. (M) Power, D. W. (M) Ranney, A. F. (A)

Stowe (B-NV-I) Prouty, G. S., Jr. (M)

Waterbury (B-NV-!) Chase, W. C. (M)

Waterbury Center (BOS-I) Havens, A. C. B. (A)

Weston (BOS-I) Boothby, L. W. (M)

VIRGINIA

Abingdon (VIR-3) Krusberg, R. J. (M)

Alexandria (W-DU-3) Akerberg, E. D. (A) Anderson, L. M. (A) Andrus, A. M. (M) Anderson, L. M. (A)
Andrus, A. M. (M)
Ashenden, G. K. Jr. (M)
Ashley, D. S. (M)
Balwanz, W. W. (SM)
Bates, J. F. (A)
Bauer, R. E. (M)
Bawer, R. (A)
Beresford, H. E. (M)
Besancon, M. (SM)
Besancon, M. (SM)
Besancon, M. (SM)
Bickford, F. H. Jr. (A)
Bowman, W. B. (A)
Brooks, R. A. (A)
Brooks, F. C. (M)
Briskman, R. D. (A)
Brooks, F. C. (M)
Callahan, A. L. (M)
Carroll, L. O. (A)
Carson, J. O. Jr. (M)
Chatfield, N. V. (A)
Childers, A. A. Jr. (M)
Chatletet, A. A. Jr. (M)
Childers, A. A. (SM)
Cole, R. I. (F) Colton, R. B. (F)
Compton, M. E., Jr. (M)
Coven, A. W. (SM)
Cryer, J. M., Jr. (M)
Danos, L. A., Jr. (M)
Danos, L. A., Jr. (M)
Danos, L. A., Jr. (M)
Darcey, R. J. (M)
Darcey, R. J. (M)
Decof, D. N. (M)
Disenhaus, N. (SM)
Distman, P. E. (M)
Dudrey, D. D. (M)
Durle, R. F. (M)
Ellsworth, R. T., Jr. (A)
Evenhard, F. U., Jr. (A)
Evenhard, F. U., Jr. (A)
Evenhard, F. U., Jr. (A)
Fraedrich, D. K. (M)
Frith, E. E. (SM)
Firth, E. E. (SM)
Fry, L. T. (A)
Garafola, J. R. (M)
Garrigus, N. F. (M)
Garsigus, N. F. (M)
Garser, J. N. (SM)
Goldberg, A. S. (M)
Goser, J. N. (SM)
Goldberg, A. S. (M)
Gonzalez, W. (A)
Goser, J. N. (SM)
Harnon, W. R. (SM)
Harnon, W. R. (SM)
Harl, C. (M)
Harnon, W. R. (SM)
Harls, J. E., Jr. (M)
Herfernan, H. J. (A)
Heister, C. F. (SM)
Hendershot, L. R. (A)
Hight, S. C. (F)
Hill, M. E. (A)
Hookins, A. F., Jr. (SM)
Humphrey, J. S. (A)
Hurburt, R. W., Jr. (A)
Husted, J. M. (M)
Manes, J. B. (M)
Johnson, S. F. (M)
Meleher, K. S. (SM)
Kiebach, C. D. (A)
King, W. M. (M)
Klenk, J. L. (M)
Klenk, J. L. (M)
Klenk, J. L. (M)
More, R. J. (M)
Miller, J. W. (M)
Miller, J. E. (M)
Moreland, H. H. (M)
Moreland, P. J. (SM)
Peavey, B. (M)
Peroy, R. W. (M)
Peroy, P. B. (M)
Peroy, R. W. (M)
Peroy, P. B. (M)
Peroy, P. B. (M)
Peroy, R. W. (M)
Peroy, P. B. (M)
Peroy, P. B. (M)
Peroy, P. B. (M)
Peroy, R. W. (M)
Peroy, P. B. (M) Reiser, D. (M)
Rochelle, R. W. (M)
Rochelle, R. W. (M)
Rowe, H. E. (SM)
Royce, R. K. (M)
Sabel, A. J. (SM)
Salmond, D. S. (SM)
Sargent, R. S. (SM)
Schneider, R. J. (SM)
Scholl, G. S. (A)
Schumann, A. W. (M)

Seddon, J.C. (F)
Shepard, D. H. (SM)
Shewis, W. H. (A)
Smith, C. (A)
Spayth, F. J. (M)
Spayth, F. J. (M)
Spencer, C.L. (M)
Stern, H. I. (M)
Stevart, C. (SM)
Stinson, I.F. (SM)
Stroble, R. R. (M)
Stroble, R. R. (M)
Stroble, W. B. (M)
Tasaka, T. (M)
Tasaka, T. (M)
Taylor, W. B. (M)
Thompson, L., Jr. (SM)
Tidball, F. E. (SM)
Tucker, J. W. (M)
Tucker, W. K., Jr. (A)
Underwood, R. W. (M)
Varela, A. A. (SM)
Varela, A. A. (SM)
Vandhu, J. E. (M)
Von Alven, W. H. (M)
Von Alven, W. H. (M)
Watt, E. J. (M)
Weits, J. S. (M)
Weine, W. K. (SM)
Weinstein, A. (M)
West, J. S. (M) Weine, W. K. (SM)
Weinstein, A. (M)
West, J. S. (M)
White, D. R. J. (SM)
Williamson, H.G. (M)
Wise, J. P. (M)
Wunderley, R. H. (M)
Young, M. P. (SM)

wunderley, R. H. (M)
Young, M. P. (SM)

Annandale (W-UC-3)
Beecher, G. L. (A)
Black, L. (M)
Bouvy, J. W. (M)
Cervenka, F. J. (SM)
Cervenka, F. J. (SM)
Cirtis, C. V. (M)
Dixon, J.T. (SM)
Evans, A. L. (A)
Garlan, H. (M)
Germain, E. G., Jr. (A)
Hershberger, W. C., Jr. (M)
Jackson, D. A. (A)
James, F. B. (M)
Johnson, F. (SM)
Marshall, A. R. (M)
Olds, M. L. (M)
Pyle, S. H. (M)
Straiton, J. C. (M)
Teachman, H. R. (M)
Straiton, J. C. (M)
Trent, J. S. (SM)
Williams, R. T. (M)
noton (W-DC-3)
Adams

Arlinaton (W-DC-3)
Adams, T. M. (M)
Albee, C. (M)
Albee, C. (M)
Anderson, R. L. (M)
Backus, W. A. (M)
Backus, W. A. (M)
Baker, H. L. (A)
Banks, C. R. (SM)
Banks, C. R. (SM)
Banks, C. R. (SM)
Banks, C. R. (SM)
Bart, L. V. (M)
Batch, W. J. (M)
Batch, W. J. (M)
Betcher, W. C. (M)
Beecher, W. C. (M)
Benett, R. (F)
Bernstein, H. E. (SM)
Benett, R. (F)
Bernstein, H. E. (SM)
Boyes, G. E. (M)
Boros, G. (A)
Bowen, C. H. (A)
Bradley, M. R. (M)
Brose, G. (A)
Bradley, M. R. (M)
Brown, M. T. (A)
Bridges, J. M. (F)
Brown, R. F., Jr. (M)
Burks, R. S. (M)
Canbell, W. H. (SM)
Cathan, W. C. (M)
Butts, R. S. (M)
Cambell, W. H. (SM)
Cambell, W. H. (SM)
Cambell, W. H. (SM)
Cambell, W. H. (SM)
Cohen, J. (SM)
Davis, C. H. (A)
Davis, T. R. (A)
Devare, C. (SM)
Davis, C. H. (A)
Devare, C. (SM)
Donaid, B. L. (M)
Drevfus, J. (SM)
Ens, R. M. (M)
Eskinzes, J. G. (A) (SM)

Etter, W. A. (M)
Fagan, B. B. (M)
Ferris. R. C. (M)
Fiedelman, C. (SM)
Fletcher, R. (M)
Filnt. R. B. (M)
Freeman, J. T. (M)
Gall, R. G. (M) Garla, R. G. (M)
Garcia, D. M. (M)
Garrett, L. F. (A)
Garrett, V. O. (SM)
Garsett, V. O. (SM)
Gauss, H. (M)
Gilson, G. B. (SM)
Gilson, G. B. (SM)
Gilson, G. B. (SM)
Gilson, G. B. (SM)
Gilson, C. B. (SM)
Gilson, C. J. (SM)
Griffin, L. L. (M)
Gornor, T. A., Jr. (M)
Gornor, T. A., Jr. (M)
Greory, C. A. (SM)
Griffin, L. L. (M)
Groves, W. E. (SM)
Gumina, L. V. (A)
Hahn, W. R. Jr. (M)
Hall, O. E. (M)
Hardina, G. C. (M)
Hardina, G. C. (M)
Hardina, G. C. (M)
Hardina, G. C. (M)
Hedrick, C. E. (M)
Hedrick, C. E. (M)
Hedrick, C. E. (M)
Hedrick, C. (A)
Hilliedick, W. C. (SM)
Hilliedick, W. C. (SM)
Hilliedick, W. C. (SM)
Hutton, D. B. (A)
Johannessohn, N. A. (M)
Johannessohn, N. A. (M)
Johansesohn, N. A. (M)
Johnse, G. H., Jr. (A)
Kerlas, G. P. (M)
Keller, A. J. (M)
Kersey, J. A. (SM)
King, L. H. (M)
Kosar, W. S., Jr. (M)
Kersey, J. A. (SM)
King, L. H. (M)
Kosar, W. S., Jr. (M)
Kersey, J. A. (SM)
Lawson, A. A. (SM)
Martin, D. L. (M)
Levin, A. (A)
Loya, D. S. (M)
Martin, P. L. (M)
Martin, P. L. (M)
Martin, P. L. (M)
Martin, P. J. L. (M)
Medder, G. S., Jr. (A)
Messick, V. D. (A)
Miller, J. L. (Jr. (M)
Miller, J. L. (Jr. (M)
Mereyer, W. (M)
Miller, J. L. (Jr. (M)
Mereyer, W. (M)
Miller, J. L. (Jr. (M)
Mereyer, J. N. (M)
Perssnall, J. R. (M)
Persnall, J. R. (M)
Perssnall, J. R. (M)
Perssnall

Scull, R. C. (A)
Seifert, F. F. (M)
Seifert, F. F. (M)
Selv, H. A. (A)
Selgsohn, I. (A)
Selgsohn, I. (A)
Seroeart, R. C. (SM)
Sherer, L. M. (SM)
Sherer, L. M. (SM)
Sherer, L. M. (SM)
Sherer, L. M. (SM)
Sisco, H. W. (SM)
Smith, R. O. (SM)
Smith, R. O. (SM)
Smith, F. L. , Jr. (M)
Sples, M. C. (M)
Steban, H. W. (VA)
Stewart, J. M. (SM)
Stephan, H. W. (VA)
Stewart, J. M. (SM)
Steman, J. P. (M)
Storuste, C. G. (M)
Treuther, D. (M)
Thomas, F. J. (M)
Thomas, F. J. (M)
Thomas, F. J. (M)
Trotter, B. G. (M)
Trotter, B. E. (SM)
Vance, R. T. (M)
Vance, R. T. (M)
Vassen, B. (SM)
Ware, M. (M)
Weiser, M. A. , Jr. (M)
Weiser, G. (A)
Williams, E. A. (M)
Williams, E. A. (M)
Williams, L. M. (A)
Wilson, W. F. (M)
Williams, L. M. (A)
Wilson, W. F. (M)
Wilfi, J. J. (A)
Yoon, P. (M)

Ashland (VIR-3) Ryscuck, J. (M)

Atlee (VIR-3) Ferri J. A. (A)

Bayside (VIR-3) Bradbury , J. T . (M) Enright , R . E . (M)

Estabrook . R. K. (A)

Bedford (VIR-3) Shawl, W. C. (M)

Blacksburg (VIR-3) Exsburg (VIR-3)
Baker, V. H. (M)
Hogge, E. C. (A)
Holt, C. A. (M)
Kuun, A. (A)
Lee, C. (SM)
Miller, R. H. (M)
Stewart, A. W. (M)

Bristol (VIR-3) Boggs, W. G. (M) Chambers, W. M. (A)

Cane Charles (VIR-3) Brehm, C. M. (M)

Cape Charles (VIR-3)
Brehm, C. M. (M)

Charlottesville (VIR-3)
Albee, R. B. (M)
Anderson, R. V. (M)
Ballard, L. L. (M)
Bossleux, E. V., Jr. (M)
Bossleux, E. V., Jr. (M)
Brown, B. T., Jr. (M)
Burford, A. J. (M)
Butcher, R. B. (M)
Cutevenger, J. E. (M)
Colby, K. G. (M)
Fleming, R. F., Jr. (M)
Fleming, R. F., Jr. (M)
Gehrke, W. C. (M)
Grymes, J. R., Jr. (M)
Harris, O. R. (SM)
Harvey, G. L. (SM)
Hedrick, R. L. (M)
Hermansdorfer, J. E. (M)
Jones, G. D., Jr. (M)
Lee, K. O. (M)
Moss, F. E. (M)
Overstreet, R. L., Jr. (M)
Redfield, D. D. (A)
Roberts, J. M. (SM)
Roberts, J. M. (SM)
Roberts, J. M. (SM)
Roberts, J. M. (SM)
Siegel, C. M. (M)
Smith, A. G. (M)
Smith, A. G. (M)

Swygert, W. E., Jr. (M)
Teague, D. L. (M)
Tolsch, I. H. (SM)
Towler, W. R. (M)
Turf, L. (A)
Updike, O. L., Jr. (M)
Van Benthem, J. (M)
Van Sickler, E. P. (A)
Walker, W. P. (M)
Ward, J. W. (SM)
Welch, A. A. (M)
Westbury, T. J., Jr. (M)
Wright, P. W. (A)

Chincoteague (VIR-3) Brackeen, T. W. (M) Selby, S. L. (A)

Clifton (W-DC-3)
Bowle, D. M. (M)
Clark, V. C. (SM)
Duncan, R. L. (SM)

Colonial Beach (VIR-3)

Cradock (VIR-3) Shepherd, J. F. (M)

Debluren (VID. 3) Juren (YIR 3)
Barnes, W. C. (M)
Gros, J. R. (M)
Manchee, R. W. (M)
Maxwell, M. S. (M)
Middlebrook, C. G. (M)
Potter, R. R. (M)
Ryland, R. T., Jr. (M)
Sawyer, R. S. (M)
Shultz, L. R. (A)
Tharp, T. H. (M)

Danville (VIR-3) Johnson, R. (A) Lea, H. D. (M) Motley, L. C. (M)

Denbigh (VIR-3) Gustafson, A. J., Jr. (A)
Morton, R. W. (M)
Stubblefield, R. L. (A)

Dunn Loring (W-DC-3) Griffin, P. W. (M)

Ellerson (VIR-3) Spratley, J. B. (M)

Fairfax (W-DC-3)
Aasen, C. L. (M)
Ambrose, T. J. (M)
Ambrose, T. J. (M)
Barbeau, A. R. (M)
Barbeau, A. R. (M)
Barbaill, J. H. (M)
Bergen, S. (SM)
Bohl, L. H., Jr. (M)
Bonham, L. L. (M)
Bradford, H. K. (M)
Cave, E. L. (M)
Christie, C. B. (M)
Dittbemer, D. L. (M)
Dresser, P. L. (M)
Emery, R. H. (M)
Finneran, R. J. (A)
Fischer, R. L. (SM)
Gartzke, F. J. (M)
Goldwag, H. (M)
Holland, F. S. (A)
Hyams, H. C. (SM)
Jacobellis, B. R. (M)
Kings, L. (M)
Lenert, R. W. (M)
Levine, S. (M)
Martin, W. C. (M)
Pettingill, S. A. (M)
Prillps, C. C. (M)
Pratt, D. E. (M)
Prillps, C. C. (M)
Pratt, D. E. (M)
Scott, W. G. (M)
Scott, W. G. (M)
Srygley, O. C. (SM)
Thornwall, J. C. (M)
Volk, C. M. (M)
Wetzel, L. D. (M)
Williams, R. E. (SM)
Williams, R. E. (SM)

Ils Church (W-DC-3)
Alexander, H. R. (M)
Allen, D. A. (A)
Allen, D. A. (A)
Allen, E. W., Jr. (F)
Aller, J. C. (A)
Anderson, R. J. (A)
Anderson, W. L. (M)
Andrew, R. T. (M)
Atwell, R. G. (M)
Barlett, G. W. (SM)
Barnett, J. S. (M)
Barlett, G. W. (SM)
Bartlett, G. W. (SM)
Bartlett, G. W. (SM)
Bartlett, G. W. (SM)
Bergman, C. E. (M)
Beeyerly, P. L. (M)
Billheimer, C. R. (M)
Billheimer, C. R. (M)
Bodenhamer, R. B. (M)
Bodend, C. E. (A) Falls Church (W-DC-3)

Bolser, F. C. (SM)
Boring, W. D. (M)
Bowers, D. M. (M)
Bowers, D. M. (M)
Bowers, D. M. (M)
Brown, B. F. (SM)
Broden, B. W. (M)
Brown, B. W. (M)
Brown, L. (M)
Brown, L. (M)
Burch, R. R. (M)
Cater, D. W. (A)
Casey, G. J. (M)
Casey, G. J. (M)
Cleckner, D. C. (SM)
Colby, P. R. (SM)
Combs, D. D. (A)
Conlon, J. R. (M)
Crawler, E. S. (M)
Crawler, E. S. (M)
Crawler, A. R. (M)
Crawler, J. R. (M)
Davis, C. B. (SM)
Davis, J. N. (M)
Dett, J. R. (M)
Diehl, E. J. (SM)
Diehl, E. J. (SM)
Diehl, E. J. (SM)
Driese, E. C. (M)
Dila, A. M. (A)
Edmonds, A. H. Jr. (A)
Ellis, R. E. (SM)
Erdle, F. E. (M)
Ernst, A. A. (M)
Frederick, E. W. (SM)
Hagaman, B. G. (SM)
Hagaman, B. G. (SM)
Hagaman, B. G. (SM)
Hagwish, R. L. (M)
Hagaman, B. G. (SM)
Hamon, W. R. (M)
Hoopes, R. D. (M)
Hong, C. P. (M)
Hoopes, R. D. (M)
Hoopes, R. D. (M)
Hoopes, R. R. (SM)
Moren, J. R. (SM)
Markell, R. L. (M)
Medder, R. L. (M)
Merola, J. R. (SM)
Moren, J. R. (SM)
Moloson, R. C. (M)
M

Parker, C. F., Jr. (SM)
Pater, J. D. (M)
Pater, J. N., Jr. (M)
Plank, P. E. (A)
Proferes, N. J. (A)
Quin, K. H. (A)
Randall, H. (SM)
Randall, H. (SM)
Retton, R. J. (M)
Rection, R. J. (M)
Rocher, A. O., III (M)
Rowland, E. T. (M)
Rowland, E. T. (M)
Rowland, E. T. (M)
Rowland, E. T. (M)
Sanders, N. D. (A)
Saunders, R. T. (A)
Sout, R. M. (M)
Secombe, W. T. (SM)
Savarese, R. T. (A)
Sout, R. M. (M)
Secombe, W. T. (SM)
Sharer, H. W. (M)
Shearer, H. W. (M)
Shearer, H. W. (M)
Sheman, W. R. (SM)
Sibholm, E. M. (A)
Sith, J. (M)
Smith, T. H. (A)
Smith, L. G. (M)
Smith, L. G. (M)
Smith, L. G. (M)
Stevens, R. L. (A)
Stiles, R. G. (SM)
Stilvest, R. G. (SM)
Stilves, R. G. (SM)
Stilves, R. G. (SM)
Stilves, R. G. (SM)
Taylor, P. E. (M)
Willicen, M. M. (M)
Willicen, M. M. (M)
Willicen, M. R. (M)
Willicen, M. E. (M)
Williams, J. H. , Jr. (A)
Willicen, H. E. (M)
Williams, J. H. , Jr. (A)
Willier, J. W. (M)
Williams, J. H. , Jr. (A)
Willier, M. H. (M)
Williams, J. H. , Jr. (A)
Williams, J. H. , Jr. (A)
Williams, J. H. , Jr. (A)

Fort Myer (W-DC-3) Hollander, H. C. (M)

Gainesville (W-DC-3) Sedman, T. M. (A)

Sedman, T. M. (A)

Hampton (VIR-3)
Aichelmann, F. J. (M)
Babcock, R. A., III (M)
Boyer, W. J. (M)
Burton, W. G., Jr. (M)
Carley, R. R. (M)
Chicoine, E. L. (M)
Croswell, W. F. (M)
Dial, E. W. (M)
Duncan, L. E. (M)
Frankenberg, A. J. (M)
Frankenberg, A. J. (M)
Frankin, L. F. (M)
Hastings, C. E. (SM)
Holup, A. C. (M)
Jones, R. F. (M)
Kessler, L. (M)
King, W. C., Jr. (A)
Lee, C. Q. (A)
Mead, W. L. (M)
Passera, A. L. (M)
Russell, J. A., Jr. (M)
Sams, T. G. (M)
Stoller, M. J. (M)
Vavra, P. H. (M)
Vavra, P. H. (M)
Wells, W. B. (M)
Harrisonburg (VIR-3)

Harrisonburg (VIR-3)
Braun, W. L. (SM)
Foley, J. M. (M)
Jackson, R. C. (M)
Jones, T. B., Jr. (M)

Herndon (W-DC-3) Bugg, J. E. (SM) Groff, E. M. (A) Martin, W. L. (M)

Hillsboro (W-DC-3) Dove, P.S.(M)

Index (VIR-3) Dennison, W. A. (M)

King George (VIR-3) Payne, J. N. (M)

Langley AFB (VIR-3) Andrae, P. H., II (M)

Burrill, G. P. (M) Fernandez, M. (SM) Klucarich, S. (A) Lee, T. C. (M) Satterfield, J. M. (M) Wood, H. L. (M)

Leesburg (W-DC-3) sburg (W-DC-3)
Alberts, W. S. (SM)
Carr, L. H. (M)
Compton, R. T., Jr. (M)
Martin, W. H. (M)
Sturgill, L. G. (M)
Whitmore, W. C., Jr. (A)

Lexington (VIR-3) Kwei, M. W. (M)

London Bridge (VIR-3) Dawson, T. F. (M) Soper, R. T (A)

Lorton (W-DC-3) Korb A . (SM)

Lynchburg (VIR-3)
Andrus, D. F. N. (M)
Ball, R. M. (M)
Brauner, E. J. (M)
Brazeale, W. M. (SM)
Bunder, J. J. (M)
Bunder, J. W. (SM)
Bunder, J. W. (M)
Cardwell, B. B., Jr. (M)
Casselberry, R. L. (M)
Cisler, M. C. (SM)
Dalton, W. D. (A)
Dewire, G. M. (M)
Downes, C. L. (A)
Erlandsen, C. F. (M)
Gifford, R. P. (M)
Hannell, F. D. (M)
Hannell, F. D. (M)
Hassel, E. W. (M)
Hoelle, H. J. (A)
Kail, W. F. (M)
Kinney, R. V. (A)
Lezan, G. R. E. (M)
Linker, J. B., Jr. (SM)
McKee, T. A. (M)
McKee, T. A. (M)
McKee, T. A. (M)
McKee, T. A. (M)
Mress, R. T. (M)
Phillips, J. M., Jr. (M)
Phillips, J. M., Jr. (M)
Pinillips, J. M., Jr. (M)
Pinetton, D. C. (SM)
Pitman, J. E. (M)
Poppe, J. R. (M)
Poppe, J. R. (M)
Roberts, D. M. (M)
Roberts, D. M. (M)
Shepman, J. H., Jr. (M)
Shepman, P. (A)
Smee, P. G. (SM)
Smith, J. S. (SM) Svitek, G. A. (M)
Thomas, H. P. (F)
Van Aken, H., Jr. (A)
Williams, J. A., Jr. (A)
Williamson, R. H. (F)
Willson, K. R. (SM)
Worthen, K. J. (M)

Lynnhaven (VIR-3) Kane, H, P. (M) Stoddert, T. M. (M)

Madison (VIR-3) Newsom, B.B.(M)

Manassas (W-DC-3) Becker, W.J. (A) Goatley, C. (A)

Marion (VIR-3) Crispin, H. L. (M) Muller, E. S., Jr. (M)

Martinsville (VIR-3) Vaughn, J. R., Jr. (A)

Vaughn, J. R., Jr. (A)

McLean (W-DC-3)
Ankers, R. E., Jr. (M)
Bateman, R. (F)
Behme, A. E. (M)
Bouchey, S. H. (M)
Brown, D. H. (M)
Cridd, A. A. (A)
Creutz, J. (M)
Darling, R. S. (A)
Davis, E. D. (A)
Dee, H. E. (A)
Dyke, E. (SM)
Ferry, R. N. (M)
Gumb, D. F. (A)
Hall, R. W. (A)
Harding, K. C. (SM)
Heckel, R. D. (M) Heckel, R. D. (M)
Hopkins, C. (SM)
Rogers, G. J. (M)
Seewald, E. C. (M)
Shoemaker, R. F. (A)
Smith, A. E. (SM)
Smith, J. M. (M)
Stokes, H. S. (SM)
Stonesifer, R. A. (M)

Stotler, H. J. (M) Sunde, D. H. (A) Swafford, J. H. (A) Trenaman, J. I. (SM) Tucker, G. L. (M) Van Wagoner, R. C. (M)

Mount Vernon (W-DC-3) Phillips, M. L. (SM)

Newport News (VIR-3) yport News (VIR-3)
Andrews, R. E. (M)
Bjerke, J. O. (M)
Cootes, J. G. (M)
Oavies, R. A. (M)
Harkavy, V. M. (SM)
Hunter, W. W., Jr. (M)
Wolfe, L. I., Jr. (M)

Norfolk (VIR-3)
Alderman, J. M. (M)
Anda, R. D. (A)
Bailey, A. B. (M)
Beck, F. E., Jr. (M)
Beck, F. E., Jr. (M)
Beck, F. F. (M)
Blagg, R. L. (M)
Chistan, O. R. (M)
Colinar, P. V. (SM)
Colinar, P. V. (SM)
Council, J. W. (M)
Cowle, D. G. (M)
Crowley, H. R. (M)
Devist, E. E. (M)
De Jamette, H. M. (M)
De Witt, D. D. (M)
Dryer, H. M. (A)
Eller, J. E., Jr. (SM)
Estes, D. R., Jr. (M)
Fabianic, W. S. (M)
Fox, D. A. (M)
Gardiner, R. S. (M)
Hurley, J. H., Jr. (A)
Jennings, J. L. (A)
Justice, R. J. (M)
Koontz, C. E. (M)
Lindell, R. L. (M)
Noble, L. V. (M)
Ocheltree, S. L. (M)
Orr, J. F. (M)
Nedley, R. C. (A)
Noble, L. V. (M)
Ocheltree, S. L. (M)
Orr, J. F. (M)
Neller, R. C. (A)
Paterson, R. C. (A)
Noble, L. V. (M)
Ocheltree, S. L. (M)
Orr, J. F. (M)
Reiher, J. C. (M)
Reiher, J. C. (M)
Noble, L. V. (M)
Noble, L. V. (M)
Ocheltree, S. L. (M)
Orr, J. F. (M)
Noble, L. V. (M)
Ocheltree, S. L. (M)
Orr, J. F. (M)
Noble, L. V. (M)
Ocheltree, S. L. (M)
Orr, J. F. (M)
Noble, L. V. (M)
Ocheltree, S. L. (M)
Orr, J. F. (M)
Noble, L. V. (M)
Ocheltree, S. L. (M)
Orr, J. F. (M)
Noble, L. V. (M)
Ocheltree, S. L. (M)
Ocheltree,

North Arlington (W-DC-3) Moss, D. G. (M)

North Springfield (W-DC-3) Fine, F. (M) Hill, R. B. (A) Shelton, J. P., Jr. (M) Stell, J. P. (A)

Oakton (W-DC-3) Wood, W. H. (M)

Oceana (VIR-3) Williams, B. A. (A)

Petersburg (VIR-3) Clemente, J. R. (A)

Phoebus (VIR-3) Cooper, W. N. (A)

Poquoson (VIR-3) Burlock, J. (M)

Portsmouth (VIR-3) rtsmouth (VIR-3)
Bell, J. S., Jr. (SM)
Butler, W. J. (M)
Corkran, R. L., Jr. (M)
Cox, J. C. (M)
Hoffman, G. R. (M)
Howell, J. E., Jr. (M)
Howerton, D. J. (M)
Jenkins, D. C. (M)
Moore, J. B., Jr. (A)
Nelson, M. (A)
Norcom, G. J. (M)
Sperry, G. T. (SM)

Williamson, D. E. (M)

Quinton (VIR-3) Black, J. H. (A)

Richmond (VIR-3)
Arnold, N. R. (A)
Balley, R. C. (SM)
Batte, R.B. (M)
Conte, T. M. (SM)
Dickinson, J. O. (M)
Fortna, J. D. E. (M)
Golding, R. M. (A)
Gregory, C. A., Jr. (M)
Hobbs, W. E. (M)
Kyle, J. W. (M)
Lee, W. M. (M)
Martin, E. L. (A)
Miller, A. G. (A)
Pettus, W. W., IV, (M)
Richter, A. R. (M)
Szczebak, E. J. (M)
Toms, E. C. (M)
Vellines, W. E., Jr. (M)
Wilson, R. C., Jr. (M)
Wolfe, J. P. (A)
Woods, D. C. (M)
Wrisley, J. C. (A)

Roanoke (VIR-3)
Bailey, F. M. (SM)
Branscom, G.A. (M)
Brigos, J. P. (A)
Clower, W. D. (M)
Guill, G. M., Jr. (A)
Legendre, V. (M)
Malloy, J. J. (M)
McCants, D. G. (M)
Newman, J. E. (A)

Salem (VIR-3) Hill, J. T. (A)

Sandston (VIR-3) Rowand, G. E. (A)

South Arlington (W-DC-3) Thompson, F. J. (M)

South Norfolk (VIR-3) Yates, Z. (A)

Yates, Z. (A)

Springfield (W-DC-3)
Alderson, W. S. (SM)
Ayers, J. G., Jr. (M)
Bard, P. F. (M)
Bard, P. F. (M)
Bareto, J. M. (SM)
Behrens, F. A. (M)
Behrens, F. A. (M)
Bell, W. E. (M)
Burkhardt, R. H. (M)
Bush, J. E. (M)
Campanella, S. J. (M)
Castle, R. A. (M)
Castle, R. A. (M)
Connelly, E. M. (A)
Coulter, D. C. (M)
Connelly, E. M. (A)
Coulter, D. C. (M)
Dedrich, W. A. (M)
Gale, M. (M)
Graim, R. J. (A)
Guy, L. S. (M)
Hamilton, E. E. (M)
Johnston, E. E. (M)
Johnston, E. C. (A)
McGray, J. W. (M)
Keigher, J. P. (M)
Kennedy, W. J. (M)
Keys, C. A. (A)
Klotz, J. W. (M)
Lindsay, J. C. (M)
Lindsay, J. C. (M)
Lindsay, J. C. (M)
Lindsay, J. C. (M)
Peaker, F. E. Jr. (M)
McAndrews, F. C. (SM)
McCown, J. R. (M)
Noten, J. F. (A)
Peake, F. E. Jr. (M)
Probert, L. J. (A)
Rose, J. (M)
Shinn, L. A. (M)
Smith, A. W. (M)
Smith, A. W. (M)
Smith, A. W. (M)
Smith, A. W. (M)
Spitz, D. C. (M)
Spooner, W. A. (M)
Stelter, L. R. (M)

Stanardsville (VIR-3) Whitehurst, C. H., Jr. (A)

Stewart, J. P. (A)
Thompson, K. B. (A)
Tucker, W. J., Jr. (M)
Walter, W. P. (A)
Wardrip, S. C. (M)
Wigington, R. L. (M)
Winter, R. E. (M)
Wright, C. S. (SM)

Staunton (VIR-3) Trainum, D. A. (M) Sterling (W-DC-3)
Burlingame, C.W. (M)
Richardson, R. M. (A)

Suffolk (VIR-3)
Bangley, J. H., Jr. (A)
O'Connell, J. V. (A)

Triangle (W-DC-3) Calfee, R. W. (M)

Vienna (W-DC-3)
Aceto, L. J. (A)
Bird. G.T. (SM)
Brantly R. S., Jr. (M)
Carrick, R. L. (M)
Cooke, N. M. (SM)
Csiszer, A. (M)
Cuthbertson, R. D. (M)
Dussend, J. P. (M)
Dussend, J. P. (M)
Fairchild, J. J., Jr. (M)
Fairchild, J. J., Jr. (M)
Feineman, G. (M)
Gibbs, D. R. (M)
Grav. W. A. (SM)
Hall, J. R. (M)
Hall, J. R. (M)
Hall, J. N. (SM)
Mall, J. N. (SM)
Mall, J. N. (SM)
Mall, J. N. (SM)
Mall, J. N. (SM)
Mornioth, C. J. (M)
McSnioth, C. J. (M)
McSnioth, C. J. (M)
McSnioth, C. J. (M)
McNioth, C. J. (M)
Toler, B. L. (A)
Turnage, H. C. (M)
Webb, P. L. (A)
Wimmer, J. L. (M)
Virginia Beach (VIR-3)

Virginia Beach (VIR-3) Conway, B. B. (M) Du Val. C. N. (A) Freeman. S., III (M) Hickey. H. V. (M) Humphries, J. H. (A)

Ware Neck , (VIR-3) Lawrence , H , M . (SM)

Warrenton (W-DC-3) Gundy, G, L, (A) Kowalewski, H, S, (A) White, E, J, (M) Williams, J, S, (M) Woodside, C, S, (SM) York, J, A, (M) Zura, F, A, (M)

Warwick (VIR-3)
Comstock, A, L. (M)
Fuhmeister, P. F. (M)
McFall, C. H., Jr. (M)
Premo, D. A. (M)
Sivertson, W. E., Jr. (M)
Webb, D. D., Jr. (M)

Waynesboro (VIR-3)
Butler, J. W. (A)
Cockrell, W. D. (SM)
Cooner, B. (M)
Curtls, D. D. (A)
Dincan, W. L. (A)
East. W. L., Jr. (A)
Hansen, W. O. (M)
Klann, P. A. (A)
Palmer, H. L. (M)
Swann, C. H. (M)
Thuresson, R. G. (A)
Wilson, T. M. (M)
Zaluski, J. P. (M)

Williamsburg (VIR-3)
Dutton, A. A. (A)
Harrell, E. E. (A)
Kyle, H. C. (M)

Winchester (VIR-3)
Bauchman . D. L. (M)
Shawe . M . E. (A)
Whitney , P . B . (SM)

Wise (VIR-3) Gardner, C. B. (M)

Woodbridge (VIR-3)
De Rosa, G. D. (A)
Heasly, C. C., Jr. (M)
Kiblinger, W.H. (M)
Snelling, H. F. (M)

Yorktown (VIR-3) Duran, A. E. (M)

WASHINGTON

Auburn (SEA-7)
Babcock, D.W. (A)
Huber, W. (SM)
Lidovitch, S. B. (M)

Bainbridge Island (SEA-7) McCarty, E. W. (M) Belfair (SEA-7) Osborn, N., III (M)

Bellevue (SEA-7)
Aspholm, L. R. (M)
Ausec. R. C. (A)
Banks. R. B. (M)
Benkel. H. W. (M)
Bethel. H. W. (M)
Birch. J. S. (M)
Black. J. C. (M)
Boys. J. A. (SM)
Constell. M. S. (M)
Constell. M. S. (M)
Cokrill. M. S. (M)
Crame. W. K. (SM)
Crawford. W. N. (M)
Downlon. G. (M)
Downlon. G. (M)
Downlon. G. (M)
Downlon. G. (M)
Ford. W. K. (SM)
Goss, W. (M)
Ford. W. S. (M)
Goss, W. (M)
Goss, W. (M)
Hamilton. W. R. (M)
Hamilton. W. R. (M)
Hamilton. W. R. (M)
Johnson, K. L. (M)
Moteller, M. E. (M)
Lerchenmueller, W. (M)
Johnson, R. E. (M)
Montoomery. R. M. (M)
Metter. R. E. (M)
Moteller, R. M. (M)
Moteller, R. M. (M)
Moteller, R. M. (M)
Moteller, R. M. (M)
Moteller, R. S. (M)
Moteller, R. M. (M)
Moteller, R. S. (M)
Short, L. E. (M)
Mosse, W. A. (A)
Olsson, E. A. (M)
Moteller, R. M. (M)
Moteller, R. E. (M)
Moteller, R. M. (M)
Moteller, R. R. (M)
Short, L. E. (M)
Thompson, A. G. (M)
Trivelas, A. C. (M)

Bellingham (SEA-7) Christensen, D. M. (M) Harper, E. E. (M) Price, J. W. (M)

Blaine AFB (SEA-7) Robbins , R. A. (M)

Bothell (SEA-7) Curtis , W. L. (M) Vermilion , E. E. (M)

Bremeton (SEA-7)
Bean, D. A. (M)
Carlsten, E. E. (M)
Cruwell, F. N. (M)
Helmark, H. A. (A)
Levin, R. J. (A)
Linkletter, R. L. (M)
Lynostad, E. O. (M)
Mason, J. E. (M)
Milden, C. W. (M)
Pitts, H. L. (SM)
Thorne, C. J. M. (M)
Tufts, W. F. (M)

Centralla (SEA-7) Lippincott, E. W. (M)

College Place (SEA-R-7) Brown, R. H. (M)

Colville (SEA-7) ParkInson, B. N. (M)

Dash Point (SEA-7) Boze, J. L. (A)

Deer Harbor (SEA-7) Tippery , M. W. (M)

Des Moines (SEA-7) Berntsen, D. G. (M) Perkins, L. C. (M)

East Wenatchee (SEA-7) Frese, G. M. (SM) Edmonds (SEA-7)
Grinnell, C.W. (M)
Jones. W. L. (M)
Ohlen, C. E. (M)

Electric City (SEA-7) Alps, R. B. (M)

Ellensburg (SEA~7) Purnell , M . V . (M)

Eltopia (SEA-R-7) Seilstad, N. D. (M)

Enumciaw (SEA-7) Stedman, C. K. (SM)

Everett (SEA-7) Haugen, E. L. (M) Powers, C. R. (M)

Fairchild AFB (SEA-R-7) Wehlander, E. O. (M)

Federal Way (SEA-7) Hartwell, S. A. (M)

Friday Harbor (SEA-7) Taylor, C. C. (M)

Gig Harbor (SEA-7) Berkheimer, R. H. (M) Bice, M. H. (M)

Hoquiam (SEA-7) Smading, R. E. (A)

Ilwaco (SEA-7) Ganifas, G. (A)

Issaquah (SEA-7) Paschal , S. L. (M)

Kennewick (SEA-R-7)
Hinshaw, R. M. (A)
Lambert, T. G. (M)
Rastovich, M. (A)
Ratcliffe, C. A. (M)
Schilling, R. D. (M)
Taylor, G. R. (A)
Vik, L. M. (A)

Vir. L. M. COV

Kent (SEA-7)
Baker, R. G. (M)
Evans, R. E. (M)
Froeschle, E. J., Jr. (M)
Haff, D. H. (M)
Hill, F. E. (SM)
Kirkoatrick, R. L. (M)
Miller, G. E. (M)
Nunner, R. J. (M)
Swaln, C. W. (M)
Ivras, G. (M)
Zevenbergen, J. W. (M)

Keyport (SEA-7) Anderson, R. J. (M)

Kirkland (SEA-7)
Bohn, A. L. (M)
Flint, D. C. (M)
Gaines, J. E. (M)
Glaser, R. A. (M)
Hufford, M. R. (M)
Layman, R. S. (M)
Sheldon, J. K. (A)
Smith, M. R. (M)
Wall, R. E. , Jr. (M)
Whipple, M. M. (M)

Larson AFB (SEA-7) Head, G. M. (M)

Longview (POR-7) Collins, E. H. (M)

Lynnwood (SEA-7) Swinney, S.I.(A)

McChord AFB (SEA-7) Hill, A. P. (M)

Medina (SEA-7) Hunt, D.E.(M)

Mercer Island (SEA-7)
Caldwell, R. R. (M)
Carman, D. M. (M)
Delk, E. T. (M)
Fitch, J. L. (A)
Foster, J. H. (M)
Franzel, R. T. (M)
Harris, R. E. (A)
Kleburtz, R. B. (M)
Lahn, F. C. (M)
May, E. L. (M)
Maynard, J. E. (SM)
Moore, W. H. (M)
Perdue, R. E. (M)
Perdue, R. E. (M)
Porad, B. L. (M)
Nelson, R. H. (M)
Porad, B. L. (M)
Porad, B. L. (M)
Winder, D. E. (M)
Woodward, R. M. (M)

Mineral (SEA-7) Rowe, V. G. (M)

Moses Lake (SEA-7)
Harrison, J. C. (A)
Kowalchik, J. J. (A)

Mountlake Terrace (SEA-7)
Engstrom, W. C. (M)
Gallwey, K. L. (M)
Rundquist, C. F. (A)

Neah Bay (SEA-7) Huxhold, H.P.(A)

Oak Harbor (SEA-7)
Baker, N. C. (M)
Haeckler, W. K. (M)
Paston, R. G. (M)
Reiff, G. A. (A)

Olympia (SEA-7) Christensen, A. B. (VA) Guiberson, M. D. (M)

Onalaska (SEA-7) Thomas, E.J. (M)

Pacific Beach (SEA-7) Van Cott, J. M. (M)

Pasco (SEA-R-7)

Driver, G. E. (M)

Port Angeles (SEA-7)
Niemi, R. I. (A)
Oakes, G. K. (A)

Port Orchard (SEA-7) Drew, D. H., Jr. (M) Finke, W. H. (M)

Pullman (SEA-R-7)
Betts, A. L. (SM)
Craine, L. B. (M)
Dayot, V. D. (M)
Harbour, R. D. (M)

Ravensdale (SEA-7) Cockrill, W. C. (A)

Renton (SEA-7)
Anderson, F. C. (M)
Ashland, R. F. (M)
Beairsto, R. J. (M)
Elfers, P. L. (M)
Harley, T. P. (M)
Hood, L. J. (A)
Hulse, B. T. J. T. (M)
Melkonian, H. A. (M)
Nelson, J. K. (M)
Sippach, H. G. (M)

Richland (SEA-R-7)
Althoff, P. C. (M)
Barcroft, J. R. (M)
Brown, D. P. (M)
Cartmell, T. R. (M)
Clark, R. G. (M)
Cone. R. R. (M)
Conselly, R. E. (M)
Crosetti, P. A. (M)
Frederick, C. L. (M)
Glass, C.E. (A)
Harvey, R. A. (SM)
Hunter, D. D. (M)
Iverson, N. A. (M)
Kelly, P. R. (M)
Libby, H. L. (M)
McClung, W. E. (A)
Pleasance, C. L. (M)
Rising, F. L. (M)
Ruiz, A. L. (SM)
Spear, W. G. (SM)
Spear, W. G. (SM)
Stede, W. L. (M)
Waldkoetter, G. L. (A)
Wood, M. R., Jr. (M)
Wood, M. R., Jr. (M)
Zeitler, G. A. (M)

Worlton, D. C. (M)
Zeitler, G.A. (M)
Zeitler, G.A. (M)
Seattle (SEA-7)
Aburano, P. F. (M)
Alker, M. J. (M)
Alexander, W. L. (M)
Allen, R. W. (M)
Andermann, A. (M)
Anderson, E. R. (M)
Aoyama, H. T. (M)
Applemord, L. R. (M)
Applemord, L. R. (M)
Applemord, L. R. (M)
Applemord, C. W. (M)
Arlowe, H. H. (SM)
Armstrong, C. W. (M)
Arbaduoh, F. E. (M)
Ashbauoh, F. E. (M)
Basher, J. C. (M)
Balata, R. J. (M)
Baren, C. (SM)
Baren, C. (SM)
Baren, C. (M)
Bersh, M. T., Jr. (M)
Beauchamp, F. A. (A)
Behens, R. S. (M)
Belenski, J. D. (M)
Bersin, J. G. (M)
Bersin, J. G. (M)
Bersin, J. G. (M)
Betts, D. C. (M)
Belka, R. P. (SM)
Biggs, J. D. Jr. (SM)

WISCONSIN - 551 -

Bird, F. W. (A)
Bishop, D. J. (M)
Bishop, D. J. (M)
Bjorkstam, F. D. (M)
Bjorkstam, J. L. (A)
Blanchard, D. I. (A)
Blanchard, D. I. (A)
Borner, G. (M)
Borner, J. C. (M)
Borner, J. C. (M)
Borner, W. C. (M)
Bradburn, W. C. (M)
Bradburn, W. C. (M)
Bradburn, T. S. (M)
Brock, R. L. (M)
Brock, R. L. (M)
Brock, R. L. (M)
Brock, R. L. (M)
Brok, R. L. (M)
Buldhaupt, L. F. (A)
Buldhaupt, L. F. (A)
Bull, W. A. (SM)
Bushman, F. W. (M)
Bushman, F. W. (M)
Carlon, J. Y. (M)
Carlon, J. Y. (M)
Carlon, J. Y. (M)
Carlon, J. Y. (M)
Chase, R. F. (M)
Chase, R. F. (M)
Chen, H. C. (M)
Chen, H. C. (M)
Chen, H. C. (M)
Chonn J. A. (A)
Clark, R. N. (M)
Connell, J. L. (M)
Consego, B. J. (M)
Cooley, W. W. (A)
Corpus, A. R. (M) Corpus, A. R. (M)
Coughlan, G.B. (M)
Craig, D. I. (A)
Craig, D. I. (A)
Craig, D. I. (A)
Darby, T. G. (M)
Damphajian, H. R. (M)
Dewer, D. A. (M)
De Groot, E.B. (M)
De Groot, F. M. (M)
Demois, D. L. (A)
Dermae, J. P. (M)
Dennis, D. L. (A)
Dettmann, J. R. (A)
Dhar, R. L. (A)
Dorband, A. E. (M)
Dorband, A. E. (M)
Dorband, A. E. (M)
Dorwart, R. J. (M)
Dorwart, R. J. (M)
Dorwart, R. J. (M)
Dorwart, R. J. (M)
Duree, P. A. (A)
Duryee, P. A. (A)
Duryee, P. A. (A)
Duryee, P. A. (A)
Duryee, P. A. (A)
Eston, J. T. (M)
Eston, W. H. Jr. (M)
Edwards, E. H. (M)
Edwards, E. H. (M)
Edwards, J. T. (M)
Eston, W. H. Jr. (M)
Eliott, H. R. (A)
Embree, R. R. (A)
Enstrom, D. E. (A)
Erwin, R. L. (M)
Frost, N. (M)
Fargo, R. J. (M)
Fargo, R. J. (M)
Fisher, R. C. (SM)
Fisher, R. C. (S rreeuland, R. J. (MI)
Frost, R. D. (M)
Fu, K. (M)
Gearn, G. R. (A)
Gedanugas, J. (M)
Gee, H. P. S. (M)
Gelger, R. G. (M)
Gelger, R. G. (M)
Gelbach, H. R. (M)
Gilorab, A. J. (M)
Gilorab, D. M. (A)
Gilbert, R. E. (M)
Gilberts, R. E. (M)
Goldhaber, J. C. (M)
Goldhaber, J. C. (M)
Goldhaber, J. C. (M)
Graybeal, J. (A)
Grigos, W. M. (M)
Gunby, G. C. (M)
Hayaeh, M. T. (M)
Harner, W. P., Jr. (M)
Harner, W. P., Jr. (M)
Harner, W. P., Jr. (M)
Harsen, W. P., Jr. (M)
Harsen, W. T. (SM)
Hasserdian, G. K. (M)
Havens, J. D. (M)
Hayaehi, M. T. (SM)
Hayaehi, M. T. (SM)
Heid, G. (A)
Herbert, E. C. (M)

Hermanson, K. P. (A)
Hill, W. R., Jr. (SM)
Hoard, R. L. (SM)
Hoard, R. F. (M)
Holand, R. H. (SM)
Holand, R. H. (M)
Hu, W. (A)
Hufford, G. (M)
Hu, W. (A)
Hufford, G. (M)
Hushes, V. C. (M)
Illiman, R. W. (M)
Illiman, R. W. (M)
Isbera, C. A. (M)
Ishaman, J. F. (M)
Jacks, H. G. (M)
Jacks, H. G. (M)
Jacks, H. G. (M)
Johnson, J. F. (SM)
Johnson, J. F. (SM)
Johnson, L. F. , Jr. (M)
Kalviste, A. (A)
Joressen, H. E. (A)
Judson, H. H. , Jr. (M)
Katayama, T. T. (A)
Kallar, J. B. (A)
Kilbrith, D. W. (A)
Kimbrak, E. W. (M)
Kindall, E. W. (M)
Kiskaddon, W. V. (M)
Kohl, P. H. (M)
Kostey, M. J. (M)
Kostey, M. J. (M)
Kostey, M. J. (M)
Kostey, M. J. (M)
Kuzeja, C. (M)
Larson, D. C. (M)
Larson, D. C. (M)
Larson, D. C. (M)
Larson, L. A. (A)
Lavdall, D. W. (M)
Ledoray, W. (M)
Lehtone, L. L. (A)
Lennstrom, C. D. (M)
Larson, J. C. (M)
Lard, P. W. (A)
Lender, W. J. (M)
Lind, P. C. (A)
Lind, P. C. (A)
Lind, P. C. (A)
Lind, P. C. (A)
Lind, P. C. (M)
Moler, J. L. (M)
Moclaire, C. B. (A)
Moller, R. J. (M)
Morsis, C. R. (M)
Morsis, C. R. (M)
Moreriam, D. P. (M)
Moreriam, D. M. (M)
Moreriam, D. M. (M)
Moreriam, D. M. (M)
Moreriam, D. M. (M)
Moreriam

Dopelt, J. W. (M)
Drdonia, J. W. (A)
Drth, J. W. (A)
Drth, J. W. (A)
Drth, J. W. (A)
Dstrom, C. W. (M)
Page, R. (M)
Paisley, M. R. (M)
Paisley, M. R. (M)
Paisley, M. R. (M)
Parott, J. E. (M)
Parrs, J. A. (M)
Parrott, J. E. (M)
Parrott, J. E. (M)
Parrott, J. E. (M)
Parson, J. W. (M)
Pascual, R. A. (M)
Pascual, R. A. (M)
Pedersen, R. E. (M)
Peedro, E. (M)
Peedro, E. (M)
Peedro, E. (M)
Perty, F. E. (M)
Petrich, R. O. (M)
Piltz, F. (A)
Pitre, J. A. (M)
Policuch, A. F. G. (M)
Policuch, A. F. G. (M)
Poner, B. C. (A)
Porterield, H. D. (M)
Post, W. O. (A)
Porterield, H. D. (M)
Post, W. O. (A)
Pournelle, J. E. (A)
Pratt, L. M. (M)
Prindle, R. H. (M)
Prindle, R. H. (M)
Prindle, R. H. (M)
Roberts, B. J. (M)
Roberts, J. E. (A)
Rummens, W. S. (A)
Rummens, W. S. (A)
Rump, A. (M)
Salzer, J. E. (M)
Salzer, J. J. (M)
Shipek, R. H. (M)
Sucker, M. F. (M)
Todon, R. L. (M)
Todon, R. L. (M)
Sucker, M. F. (M)
Todor, R. L. (M)
Todor, R

Walker, R. T. (M)
Ware, D. R. (M)
Warshawsky, J. (M)
Wei, L. Y. (M)
Weiland, W. A. (M)
Weinstein, G. (M)
West, E. A., Jr. (M)
Williard, H. R. (M)
Williard, H. R. (M)
Williams, A. (SM)
Williams, G. H. (A)
Williams, R. L. (M)
Williams, R. L. (M)
Williams, R. L. (M)
Williams, R. L. (M)
Williams, A. (SM)
Williams, R. L. (M)
Williams, G. H. (M)
Winder, R. M. (SM)
Woodbury, J. W. (M)
Woodbury, J. W. (M)
Woodbury, J. W. (M)
Woodbury, J. W. (M)
Yamauchi, T. T. (M)
Yee, J. S. (M)
Yestlin, A. R. (M)
Zareh, M. (M)
Zareh, M. (M)
Zumba, C. F. (M) Snohomish (SEA-7) Sterley, R. R. (M)

Sterley, R. R. (M)

Spokane (SEA-R-7)

Barrows, J. H. (A)

Brookman, C. F., Jr. (A)

Burnette, W. D. C. (A)

Caruana, P. A. (A)

Coates, F. M. (M)

Dains, H. D. (M)

Green, D. J. (M)

Green, D. J. (M)

Mac Lean, T. W. (M)

Muskin, D. A. (M)

Storms, H. H. (VA)

Switzer, W. H. (A)

Trebhy, F. J. (M)

Van Gelder, R. B. (M)

Sumner (SEA-7) Breakey, E.P. (M) Mendel, F.S. (M)

Tacoma (SEA-7) coma (SEA-7)
Backman, J. A. (A)
Brostrom, K. E. (M)
Hamlin, D. R. (M)
Johnson, B. F. (M)
Leader, R. E. (M)
Mann, J. W. (A)
McClamreck, J. M. (M)
McDonough, D. M. (SM)
McElroy, C. M. (M)
Mortill, D. W. (A)
Perkins, M. G. (M)
Self, G.L. (M)

Tumwater (SEA-7) Nielsen, R.G. (M)

Vancouver (PDR-7) couver (PDR-7)
Bauer, W. D. (A)
Curtis, A. F. (M)
Murdock, M. J. (M)
Peterson, A. C. (M)
Roesler, R. W. (M)
Rogers, E. J. (M)
Wohlgemuth, D. G. (A)

Vashon (SEA-7) Patience, D. L. (M) Williams, K., Jr. (M)

Vashon Island (SEA-7) Caproni, G.A. (A)

Walla Walla (SEA-R-7) Parmelee, W. G. (N Tyrrell, R. L. (A) Wilken, B. W. (A)

Wenatchee (SEA-7) Wallace, J. (SM)

Whidbey Island (SEA-7) Crandall, W. R. (M)

Winslow (SEA-7) Waterman, H. B. (M)

Yakima (SEA-7) Forqey, J.A. (A) Munger, R.E. (A) Root, M.W. (M)

Zenith (SEA-7) Friddell, H.G. (M)

WEST VIRGINIA

Bluefield (PIT-4) Hammer, A. C. (A)

Charleston (PiT-4)
Brick, G. R. (A)
Brown, T. M. (A)
Dixon, W. E. (SM)
Dryry, G. R. (A)
Heigeson, G. T. (A)
Johnson, E. M. (SW)

Kish, F. (M) SInsel, P. W. (M) Wolford, J. E. (A) York, D. E. (A)

Clarksburg (P1T-4) Hough, R.D. (M)

Dunbar (PIT-4) Mitchell, S. E. (A)

Green Bank (PiT-4)
Drake, F. D. (M)
Findlay, J. W. (S
Hvatum, H. (M)

Huntington (PIT-4) ntington (PIT-4)
Bromley, R. A. (A)
Clay, J. P. (M)
Hawes, J. G. (M)
Kilpatrick, L. E. (SM)
Miller, R. M. (A)
Roberts, V. B. (A)
Tanner, J. E. (M)

Martinsburg (W-DC-3)
Boland, E.J. (SM)
Reynolds, T.G., Jr. (A)
Ricketts, J. C. (M)

Middlebourne (PIT-4) Nichols, G. C. (A)

Montgomery (PIT-4) Propps, J. M. (A)

Morgantown (PIT-4) Barbe, E. C. (M)
Colwell, R. C. (SM)
Seibert, C. B. (M)
Smith, N. S., Jr. (M)

Moundsville (PIT-4) Jones, J. W. (M) Rulong, C. P. (M)

New Martinsville (PIT-4) Snepherd , W . P . (M)

Nitro (PIT-4) Rogers, L.J. (M)

Dak Hill (P1T-4) Phillips, T. (M) Thomas, R. R., Jr. (M)

Dna (PIT-4) Pitts, M.J. (A)

Parkersburg (P1T-4) Spence, R.C. (A)

Ravenswood (PIT-4) Ellison, B. P. (M)

St. Albans (PIT-4) Aliff, J. R. (M) Counts, D. C. (M) Fertig, R. B. (M) Jones, W. E. (M)

South Charleston (PIT-4) Johnson, H. L. (A) Thompson, W. R. (M)

Weirton (PIT-4) Mellis, J. G. (A) Mellis, J. G. (A)

West Union (PIT-4) Elefritz, J. F. (M)

Wheeling (PIT-4)
Ackermann, M. E. (A)
Levenson, D.W. (M)
Rollins, E. A. (M)
Snead, W. K. (A)
Winslow, R. B. (A)

White Sulpher Springs (PIT-4) Ballard, R. L. (A)

Antigo (TC-5) Lovelace, D. G. (Parfitt, R. J. (M)

Appleton (M1L-5) Hansen, J. C. (M) Schlafke, D. A. (A)

Bristol (CHI-5) Schaefer, K. E. (M)

Brookfield (MIL-5)
Bischoff, A. F. H. (S
Eisele, E. J. (A)
Kasdorf, G. R. (M)
KIrschner, J. G. (M)
Lindemann, A. W. (M
Ribbens, W. F. (M)
Stumpf, H. W. (M)
Woods, H. C. (A)

Burlington (MIL-5) Holmbeck, J. D. (A) Klein, F. N. (M)

Butler (M1L-5) Bud, J. J. (A) Hernday, R. H. (M) Kaetel, H. C. (M) Kuckuck, C. L. (A)

Chippewa Falls (TC-5) Peloquin, P. T. (A)

Cudahy (MIL-5) Patrick, P. J. (A)

Delafield (MIL-5) Farber, E. R. (M)

Eau Claire (TC-5) Baker, E. W. (M) Jorgenson, T. O. (M) Larkins, A. H. (M)

Egg Harbor (MIL-5) Lemere, J. P. (M)

Elm Grove (MIL-5) Bailey, T. J. (A) Evans, J. A. (M) Horgan, J. D. (M)

Ettrick (TC-5) Rogne, R. J. (M)

Fond Du Lac (MIL-5) Jensen, K. S. (SM) Kroes, D. P. (M)

Fort Atkinson (MIL-5) Anthes, J. (A) La Motte, L. D. (A)

Fox Point (MIL-5) Howard, J. R. (M)

Grafton (MIL-5) Konig, V. A. Y. (A) Rubinstein, H. W. (M)

Greendale (MII -5) Bovich, E. J. (A) Jomeruck, J. H. (M) Raucher, W. L. (M) Talt, R. B. (M)

Hales Corners (MIL-5) Allen, J. K. (M)
Jacobs, J. E. (M)
McGillem, C. D. (M)
Podlewski, R. S. (A)

Hartland (MIL-5)
Harry, W. R. (VA)
Kailing, A. F. (M)
Keast, D. E. (A)

Highland (MIL-5) Rosenkranz, C. A. (A)

Janesville (MIL-5)
Brandt, R. W. (SM)
Glander, H. H. (M)
Weckwerth, H. A. (M)
Williams, C. R. (M)
Ziehlke, R. J. (A)

Kenosha (CHI-5)
Bart, S. (M)
Heide, S. M. (A)
Krause, R. E. (M)
Osterlund, S. G. S. (M)
Reich, E. A. (M)
Thiel, W. (A)

La Crosse (TC-5) Leeman, A. (M)

Lake Nebagamon (TC-5) Caspers, G. E., Jr. (M)

Loyal (TC-5) Matanic, M. D. (A)

Madison (MIL-5) Jison (MIL-2)
Asmuth, J. L. (M)
Bell, R. D. (M)
Bell, R. D. (M)
Bergman, R. E. (A)
Boehme, A. W. (M)
Bushnell, R. H. (M)
Davidson, C. H. (M)
Dietmeyer, D. L. (M)
Dora, G. I. (A)
Duffendack, O. S. (F)
Emerson, R. E. (M)
Gilson, W. E. (SM)
Greenbaum, L. A. (M)
Greenenm, L. A. (M)
Greenen, R. E. (M)
Gritzmacher, D. E. (M)
Hail, R. F. (M)
Hail, W. R. (M)
Hail, R. F. (M)
Hail, R. F. (M)
Hail, R. F. (M)
Kelley, W. V. (VA)
Koehler, G. (F)
Kutrumanes, C. P. (A)
Mack, H. A. (A)
Morin, D. C., Jr. (M)
Olive, D. W. (M)
Olive, D. W. (M)
Peterson, H. A. (SM) Reitan, D. K. (SM)
Rekoff, M. G., Jr. (M)
Rekoff, M. G., Jr. (M)
Retherford, R. C. (M)
Revenaugh, J. J. (M)
Ridgout, V. C. (SM)
Rusch, P. H. (M)
Sabroff, R. R. (M)
Sadoter, L. S. (M)
Scheibe, E. H. (SM)
Scidmore, A. K. (M)
Scidtrof, J. J. (M)
Stafford, T. S. (M)
Stephan, R. R. (A)
Swift, W. B. (M)
Tiedemann, A. T. (M)
Uhrig, A. F. (A)
Van Bladel, J. G. (SM)
Vanko, J. A. (A)
Wickhem, R. J. (A)
Young, C. E. (A)

Manitowoc (MIL-5) Heinzen, R. A. (M)

Marathon (MII -5) Straub, L. J. (A)

McFarland (MIL-5) Pierce, R. L. (M)

Menasha (MIL-5) Pawlowski, E. W. (A)

Menomonee Falls (MIL-5)
Gudenschwager, P. F. (M)
Luecke, M. W. (A)
Ruff, H. M. (A)
Van Alstyne, A. (M)

Merrill (TC-5)
Bartell, C. H. (M)

Middleton (MIL-5) Miller, J. B. (M) Mount, R. C. (M)

Milton (MIL-5) Harris, R. J. T. (M) Haugen, M. G. (M)

Milwaukee (MIL-5)
Aasterud, J. P. (M)
Abbasi, A. (A)
Alderson, A. E. (M)
Alderson, A. E. (M)
Alderson, G. M. (M)
Amono, G. M. (A)
Apoleman, C. G. (M)
Baird, J. T. (M)
Baird, J. T. (M)
Baird, J. T. (M)
Barett, R. O. (M)
Barrott, R. O. (M)
Barrott, R. O. (M)
Barrott, R. O. (M)
Barrott, R. O. (M)
Boroster, E. A. (M)
Bernstein, S. (SM)
Biwer, M. M. (M)
Boorbeau, F. J. (A)
Boutelle, J. O. (A)
Bood, B. (M)
Brantner, H. C. (M)
Burdny, B. R. (M)
Burdny, B. R. (M)
Cardon, J. T. (A)
Buller, L. W. (M)
Callooun, M. C. (M)
Camos, T. F. (M)
Callooun, M. C. (M)
Camos, T. F. (M)
Carlson, A. W. (M)
Carlson, A. W. (M)
Carleson, A. W. (M)
Carleson, A. W. (M)
Cooke, E. R. (A)
Cordes, E. L. (M)
Cooke, E. R. (A)
Cordes, E. L. (M)
De Block, E. T. (M)
De Block, E. T. (M)
De Block, E. T. (M)
De Wards, M. A. (G)
Eillot, W. H. (M)
Brantos, M. A. (F)
Ehlers, G. M. (SM)
Elliot, W. H. (M)
Fitzgerald, R. R. (M)

Goosens, H. R. (M)
Graham, J. D. (A)
Guenther, H. J. (M)
Harrer, G. C. (A)
Hebal, W. H. (M)
Helderman, T. E. (A)
Hebal, W. H. (M)
Helderman, T. E. (A)
Hebal, W. H. (M)
Helderman, T. E. (M)
Howath, A. E. (M)
Howath, A. E. (M)
Howath, A. E. (M)
Howath, A. E. (M)
Johnson, R. A. (A)
Johnson, G. A. (M)
Kaiser, E. H. (A)
Kongarak, T. L. (M)
Kelly, D. S. W. (SM)
Kelly, D. S. W. (SM)
Kelly, D. V. (M)
Kelly, D. S. W. (SM)
Kelly, D. S. W. (M)
Kolly, D. Y. (M)
Kongow, H. S. (M)
Kinney, T. W. (M)
Kongow, H. S. (M)
Kongow, T. W. (M)
Laubenstein, A. E. (M)
Laubenstein, A. E. (M)
Laeser, P. B. (M)
Laubenstein, A. E. (M)
Leavitt, R. F. (A)
Leavitt, R. F. (A)
Lewin, J. J. (M)
Maklary, J. R. (A)
Minder, P. J. (A)
Lewin, R. F. (A)
Maklary, J. R. (A)
Minder, R. R. (A)
McMillin, G. L. J. (A)
McMerren, D. E. (M)
Mereren, D. E. (M)
Mereren, D. E. (M)
Michaels, E. J. (M)
Michaels, E. M. (A)
Michaels, E. M. (A)
Michaels, E. M. (A)
Monty, B. E. (M)
Morot, V. G. (A)
Norman, O. A. (M)
North, R. L. (M)
Morot, V. G. (A)
Norman, O. A. (M)
North, R. L. (M)
Morot, V. G. (A)
Norman, O. A. (M)
North, R. L. (M)
Nor Smith, O. H. (M)
Snowdon, A. C. (M)
Spaeth, C. A. (A)
Sparacino, B. J. (A)
Sperber, D. J. (A)
Stefancic, K. (M)
Steffen, R. V. (A)
Striegel, M. E. (A)

Sutinen, C. P. (SM)
Tackes, G. G. (A)
Talbot, V. R. (M)
Taus, H. G. (M)
Taylor, F. H. (M)
Trout, E. D. (A)
Tschantz, L. G. (A)
Turri, R. N. (M)
Uradnicek, R. K. (M)
Van Zeeland, F. J. (S
Vebber, W. O. (M) Turri, R. N. (M)
Uradnicek, R. K. (M)
Van Zeeland, F. J. (SM)
Vebber, W. O. (M)
Veserkamp, N. B. (M)
Visser, A., Jr. (A)
Wagner, W. O. (M)
Weigel, E. (M)
Weigel, E. (M)
Weitermann, B. R. (A)
Welter, D. A. (SM)
Wetter, R. J. (M)
Witter, R. J. (M)
Wissen, D. W. (M)
Williams, S. B. (M)
Williams, S. B. (M)
Williams, S. B. (M)
Williams, C. (A)
Wolffer, R. M. (A)
Wolffer, R. M. (A)
Wolffer, R. M. (A)
Wolffer, R. L. (M)
Wolffer, R. M. (A)
Wolffer, R. C. (A)
Zoung, R. E. (A)
Yug, A. G. (M)
Zacher, G. E. (A)
Zoesch, A. C. (A)
Zoesch, A. C. (A)
Zoesch, A. C. (A)
Zolin, F. H. (A) Zolin, F. H. (A) Zwarra, H. J. (M)

Minocqua (TC-5) Martin, H. T. (A)

Mosinee (TC-5) Grambsch, R. J. (M)

Mukwonago (MIL-5) Brown , H . W . (A)

Muskego (MIL-5) Stevenson, D. L. (M)

New Berlin (M1L-5) Beaudoin, L. W. (M)

Oconomowoc (MIL-5) Randall, A. E. (M)

Oconto (TC-5) Ackerman , M , J , (M) De Witt , C , P , (M)

Oshkosh (MIL-5)

Williams, N. (M) Pardeeville (MIL-5) Boss, W. O. (M)

Peshtigo (TC-5) MacLaughlin, D. C. (A)

MacLaughtin, D. C. (A Racine (MIL-5) Arcand, R. T. (M) Auterman, J. L. (M) Berkovec, J. W. (M) Briedis, G. (A) Due, R. C. (A) Hill, R. G. (A) Johnson, W. H. (M) Kohner, M. (SM) MacDowell, G. E. (A) Rogers, N. A. (A) Salvat, R. F. (M) Slater, O. C. (A) Van Horn J. H. (SM) Wilkerson, A. W. (A) Zelazo, N. K. (SM)

Saukville (MIL-5) Nunn, E. D. (M)

Schofield (TC-5) Richwalski, D. J. (A)

Sheboygan (MIL -5) Mayer, H.J.(M)

Shorewood (M1L-5) Munson, R. R. (M)

South Milwaukee (MIL-5) nth Milwaukee (MIL-5)
Abrahamson, G. D. (M)
Bridgen, G. A. (M)
Burg, G. M. (M)
Gabriel, R. C. (M)
Jacobs, M. (M)
Kerske, J. F. (M)
Popp, R. J. (A)
Zahn, P. E. (M)

Spooner (TC-5) Edwards . P. E . (A)

Sturgeon Bay (MIL-5) Bacon, F. W., Jr. (M)

Sun Prairie (MIL-5) Wable , G . E . (A)

Thiensville (MIL-5)
Runft, A. J. (M)
Sielicki, A. J. (M)
Silverman, D. M. (M)

Tomahawk (TC-5) McGinnis, H.J.(M)

Union Grove (MIL-5) Harris , J . H . (M)

Walworth (MIL -5) Richter, R. E., Jr. (A)

Watertown (MIL-5) West, G. A. (A)

Waukesha (MIL-5) Beutler, A. J. (M)
Cummings, H. R. (M)
Koenig, E. C. (M)
Pepper, J. R. (M)

Wausau (MIL-5) Burns, S. S. (M) Ladwig, T. H. (A) Zielesch, B. E. (M)

Wauwatosa (MIL-5) Iwatosa (MIL-5)
Bailey, J. E. (M)
Hawley, D. E. (M)
Kelley, J. P. (M)
Lucas, A. C. (M)
Pinnow, R. L. (M)
Schlager, K. J. (A)
Schuppner, H. W. (M)
Torkildsen, R. A. (M)
Wollaeger, L. A. (M)

West Allis (MIL-5) st Allis (MIL-5)
Houle, T., H. (M)
Lofy, F. J. (M)
Nass. E. H. (A)
Paalu, A. (M)
Reback, H. R. (M)
Relnke, H. J. (M)
Taylor, E. D. (M)

West Bend (MIL -5) Gonring, D. L. (A)
Gonring, J. F. (A)

West Depere (MIL-5) Stangel, W. (M)

Westfield (MIL-5) Rank, D. F. (M)

Whitewater (MIL-5) Bumbalek, J. E. (A) Weinberg, B. L. (A)

WYOMING

Casper (DE N-6) Sper (DEN-6)

Bruce, J. 1. (M)

Fagerstone, D. V. (A)

Hathaway, D. L. (SM)

Young, W. R. (M)

Cheyenne (DEN-6) eyenne (DEN-6)
Bril, D.H. (M)
Broughall, H.S. (M)
Dobberstein, R. H. (A)
Ellerbruch, D. A. (M)
Grove, W. C. (M)
Kjellburg, R. L. (M)
Maness, D. H. (M)
Nakano, O. (A)
Shelton, J. T. (M)

Crowheart (DEN-6) Hagen, G. D. (M)

Laramie (DEN-6)
Carty, E. H. (M)
Fermelia, L. R. (M)
Lonsdale, E. M. (SM)
Strock, R. E. (A)

New Castle (DEN-6) Jones , M. J. (A) Rinehart , B. H. (VA)

Sherldan (DEN-6) Stanton, J. M. (M)

Worland (DEN-6) Levisay, L.O. (A)

OVERSEAS MILITARY

O New York
Aguilar, A. (A)
Aller, P. S. (M)
Aller, A. (A)
Aller, J. W. (M)
Arington, J. L., II (SM)
Audalan, R. B. (A)
Audhach, C. E. (A)
Bastson, J. A. (A)
Beabout, E. G. (M)
Beah, C. Jr. (M)
Berger, E. G. (M)
Berger, E. G. (M)
Bills, A. E. (M)
Bills, A. E. (M)
Bilsopa, D. D. (M)
Blachman, N. M. (SM)
Black, K. C. (F)
Blakley, D. H. (M)
Blinn, W. J. (M)
Blow, T. C. (M)
Bootright, B. C. (M)
Bootright, B. C. (M) APO New York

AUSTRALIA - 553 -

Bodin, B. H. (A)
Bolstridge, L. J. (M)
Borsody, B. F. (SM)
Bowder, J. A. (M)
Brand, M. E., Jr. (M)
Braun, M. E., Jr. (M)
Brooks, N. S. (M)
Brooks, N. S. (M)
Brooks, N. Jr. (M)
Brooks, N. Jr. (M)
Bryan, W. L. (M)
Bryan, W. L. (M)
Busch, S. D. O. (M)
Cadleux, J. P. (M)
Carler, S. P. (M)
Carler, S. P. (M)
Carler, S. P. (M)
Carler, S. P. (M)
Carler, J. J. (M)
Cattermole, G. B. (M)
Chandler, D. P. (M)
Chaman, A. K. (M)
Chaman, G. H. (M)
Chalds, A. W. (A)
Christle, R. L. (M)
Clarke, M. F. (A)
Clarke, W. E. (M)
Clarke, M. F. (A)
Clarke, M. F. (M)
Cooser, J. R. (M)
Cooser, J. R. (M)
Cooser, J. R. (M)
Cooser, J. R. (M)
Corler, J. E. (M)
Corler, J. E. (M)
Criner, J. E. (M)
Criner, J. E. (M)
Curlis, R. W. (SM)
Dambrauskas, V. (M)
Dabrauskas, V. (M)
Dabrauskas, V. (M)
Dillion, D. C. (M)
Dillion, J. C. (M)
Dillow, J. C. (M)
Dillion, J. C. (M)
Dillow, J. C. (M)
Driuk, J. R. (A)
Easley, W. A., Jr. (M)
Fisher, J. E. (A)
Firs, A. D. (M)
Fisher, J. E. (A)
Fiser, A. D. (M)
Fisher, J. E. (A)
Fiser, J. E. (A)
Fisher, M. G. (M)
Fisher, J. E. (A)
Fisher, M. G. (M)
Fisher, J. E. (A)
F Kane, L. P. (M)
Kanner, R. H. (M)
Kanner, R. H. (M)
Kelly, P. J. (M)
Ketly, P. J. (M)
Ketcik, J. M. (A)
King, F. N. (M)
Kirkland, F. B. (A)
Kirkland, F. B. (A)
Kroeckel, C. H. (M)
Krunniski, J. A. (A)
Kush, J. J. (M)
Laimore, G. E. (A)
Larkin, W. D. (M)
Lord, W. P. (M)
Lord, W. P. (M)
Luchl, R. D. (M) Luch1, R. D. (M) Lucid, J. R. (M) Lucker, G. (M) Madsen, J. F. (M)

Mahoney, T. R. (M)
Mangold, J. F. (M)
Manley, T. M. (M)
Marlin, A. J. (A)
Mayo, J. J., Jr. (M)
McCarron, D. J. (M)
McCared, T. H. (A)
McCreight, I., III (M)
McKim, W. J. G. (M)
McLed, M. G. (M)
McNelli, J. F., Jr. (M)
McMadden, G. E. (M)
McHon, H. I. (M)
Michels, R. E. (A)
Miller, D. H. (M) Miller, P. H. (M)
Miller, B. E. (SM)
Miller, B. E. (SM)
Miranda, R. T. (A)
Mitchell, W. E. (M)
Moren, J. E. (A)
Moreno, M. R. (M)
Moreno, M. R. (M)
Moreno, M. R. (M)
Moreno, M. R. (M)
Needl, C. L. (M)
Nichols, T. O., Jr. (A)
O'Keefe, W. C. (A)
O'Keefe, W. C. (A)
Ostund, G. L. (A)
Palmer, L. N. (SM)
Pansch, H. J. (A)
Paradis, K. A. (A)
Park, R. L. (M)
Pasciuti, R. A. (M)
Pasciuti, R. A. (M)
Peacock, W. M. Jr. (M)
Pillips, W. F. (M)
Pillips, W. F. (M)
Pillips, W. F. (M)
Pomer, F. A. (M)
Pomer, F. A. (M)
Pomer, F. A. (M)
Power, F. A. (M)
Pronofsky, L. A. (M)
Pronofsky, L. A. (M)
Pronofsky, L. A. (M)
Reter, W. J. (A)
Schauers, C. J. (M)
Sadamy, A. E. (M)
Savon, A. W. J. (A)
Schauers, C. J. (M)
Saton, A. W. J. (A)
Schauers, C. J. (M)
Souto, G. C. (M)
Salamy, A. E. (M)
Saybold, L. C. Jr. (M)
Sond, J. P. (M)
Siler, M. Jr. (A)
Semmelhack, H. P. (M)
Sengel, P. A. (VA)
Semmelhack, H. P. (M)
Sengel, P. A. (VA)
Silonan, F. A. (A)
Smith, D. M. (M)
Shilor, E. F. J. Jr. (M)
Shilor, E. F. J. Jr. (M)
Shilor, E. F. J. Jr. (M)
Shilor, F. R. (M)
Silonan, F. A. (A)
Silonan, F. A. (A)
Silonan, F. A. (A)
Silonan, F. A. (A)
Silonan, F. R. (M)
Sudh, F. R. (M)
Sudh, F. R. (M)
Sudher, P. R. (M)
Silonan, F. M. (M

Young, R.W.(A) Zunich, M.(A) Zwart, R. (A) APO San Francisco
Aleksa, J. J. (M)
Antosy, S. J. (M)
Amtosy of J. E. (M)
Amstrong, J. E. (M)
Ballard, J. L. (A)
Barkman, R. N. (A)
Barrie, T. H. (M)
Barry, G. D. (M)
Barrie, J. E. (A)
Bates, W. J. (M)
Beahr, A. W. (A)
Behends, P. D. (A)
Betts, R. W. (A)
Binns, F. W. (M)
Blough, A. K. , Jr. (A)
Bloom, F. W. (M)
Blough, A. K. , Jr. (A)
Boakes, W. H. (M)
Booth, G. H. (A)
Bowne, J. C. (M)
Branch, G. E. (SM)
Branch, G. E. (SM)
Branch, G. E. (SM)
Branch, G. E. (SM)
Branch, G. H. (A)
Bowne, J. C. (M)
Brown, B. L. (A)
Brown, B. L. (A)
Bundy, C. W. (SM)
Bunko, M. (M)
Carbenter, A. B., Jr. (M)
Carbenter, A. B., Jr. (M)
Carbenter, F. H. (M)
Clair, F. F. (M)
Colburn, L. J. (A)
Cole, P. P. (M)
Collins, H. E. (M)
Collins, H. E. (M)
Collins, H. E. (M)
Coward, R. W. (M)
Dean, M. H. (A)
Delort, R. (M)
Dean, M. H. (A)
Delort, R. (M)
Denn, J. W. (A)
Ders, C. E. (M)
Denn, J. H. (M)
Fund, R. W. (M)
Fisher, R. L. (M)
Figrar, J. H. (M)
Fouch, J. W. (A)
Fordar, J. K. (M)
Fordar, J. K. (M)
Fisher, R. L. (M)
Fis GOSS, J. (A)
Gread, J. (M)
Gremer, C. E. (M)
Haettenschwiller, D.L. (A)
Hale, G. R. (M)
Hanna, D. L. (M)
Harding, N. D., Jr. (M)
Harding, N. D., Jr. (M)
Harding, N. D., Jr. (M)
Harding, P. (M)
Harding, N. G. (M)
Harding, D. (M)
Harding, D. (M)
Helnen, J. (M)
Helnen, J. (M)
Helnen, J. (M)
Helnen, J. (M)
Henning, J. C., III (M)
Hildebrand, D. B. (M)
Hoffman, L. E. (M)
Humphreys, J. D. (M)
Humt, J. R. (A)
Hurt, F. W. (M)
Johnson, J. A. (M)
Johnson, J. A. (M)
Johnson, J. A. (M)
Johnson, J. A. (M)
Jones, W. G. (A)
Jouvenat, J. M. (M)
Kesseler, E. S., Jr. (M)
King, J. W., Jr. (M)
Krashenbaum, J. (SM)
King, J. W., Jr. (M)
King, J. W., Jr. (M)
King, J. W., Jr. (M)
Koster, W. J. (M)
Lakowski, D. H. (M)
Laine, R. (M)
Lane, R. (M)
Lane, R. (M)
Lane, R. (M)
Leach, E. R. (M)
Leach, E. R. (M)
Leach, E. R. (M)
Magrane, J. H. (M)
Magrane, J. H. (M)
Martin, A. L. (M)
McCauley, D. D. (M)
Moskowitz, S. (M)
Moskowitz, S. (M)
Moskowitz, S. (M)
Moraul, A. L. (M)
McCauley, D. D. (M)
Menagh, F. H. (SM)
Moskowitz, S. (M)
Moraul, J. D., Jr. (M)
Nosion, J. C. (M)
Nosion, J. C. (M)
Obenchain, J. R., Jr. (SM)
Olsen, J. C. (M)

Olszewski, L. V. (A)
Oman, L. M. (SM)
Osborne, R. B. (M)
Panchot, H. W. (SM)
Panchot, H. W. (SM)
Panchot, H. W. (SM)
Panchot, H. W. (SM)
Parkinen, M. (A)
Patch, H. W. (M)
Patch, H. W. (M)
Patch, H. W. (M)
Penin, G. R. (M)
Penin, G. R. (M)
Pette, D. C. (M)
Powell, R. I. (M)
Patt, J. D. (A)
Quenstedt, R. E. (A)
Ray, R. L. (M)
Reid, J. F. (M)
Reid, J. F. (M)
Reide, J. F. (M)
Reide, J. E. (M)
Rogers, D. E. (M)
Royce, E. R. (M)
Royce, E. R. (M)
Samson, S. L. (M)
Senderber, E. (M)
Schelber, F. (M)
Studt, R. (M)
Swanson, J. E. (M)
Tyler, W. L. (A)
Tom, H. (M)
Vaughan, D. O. (M)
Weiner, J. H. (M)
Weiner, J. H. (M)
Weiner, J. A. (A)
Wicks, D. S. (SM)
Wilkins, D. E. B. (A)
Wilkins, D. E. B. (A)
Williams, M. M. (M)
Wilson, F. (M)
Wilson, F. (M)
Wilson, F. (M)
Winter, H. (M) APO Seattle (ANC-7)
Amold, W. L. (M)
Barrett, T. B. (M)
Beatrice, R. W. (A)
Bindner, J. T. (SM)
Borgeman, C. E. (M)
Davie, L. J. (M)
Hedberg, R. W. (M)
King, T. H. (M)
Lamaster, F. S. (A)
Prager, S. (M)
Rupcich, J. N. (A)
Thompson, G. C. (M)

ADEN COLONY

Thompson, G. C. (M)
Thomton, R. R. (A)
Voight, R. O. (M)
Wyatt, C. L. (M)

Aden Bruce, J. R. (VA)

ARGENTINA

Buenos Aires (BA) Andrews, G. J. (SM)
Androws, G. J. (SM)
Androws, G. J. (SM)
Barolaria, M. (M)
Barcala, J. M. (SM)
Baumann, C. (SM)
Bloot, J. L. (SM)
Broadt, L. (M)
Brest, U. R. (M)
Grant, I. C. (SM)
Kirkscether, E. J. (SM)
Carber, C. A. (A)
Carber, C. A. (A)
Carbor, A. A. (M)
Castoo, A. A. (M)
Cole, T. J. (A)
Collaro, J. A. (M)
Conde, H. O. (A)
Conde, H. O. (A)
Dallocchio, H. S. (M)
Dianand, M. (M)
Dickson, A. R. K. (M)
Dianand, M. (M)
Finandez, A. (SM)
Finandez, A. (SM)
Finandez, O. C. (SM)
Finandez, AUSTRALIA

Machain, L. R. (M)
Maget, R. V. X. (SM)
Marifesto, H. D. (A)
Marelli, R. V. (A)
Marelli, R. V. (A)
Marelli, R. V. (A)
Marulius, M. (SM)
Mattlussi, O. A. (M)
Nelstadt, R. B. (M)
Noizeux, P. J. (F)
Noviks, B. (M)
Noviks, B. (M)
Novilo, H. L. (A)
Osorio, A. E. (M)
Pinarco, S. F. (M)
Pinarco, S. F. (M)
Pinarco, S. F. (M)
Pinarco, S. F. (M)
Rossion, R. (A)
Ricci, A. J. (M)
Rossion, R. W. (A)
Rossion, R. W. (A)
Rossion, R. W. (A)
Rueda, J. V. (M)
Schault, E. H. (A)
Schwartz, D. (M)
Schweiner, K. P. (M)
Scheiner, M. A. (A)
Ulzurum, E. T. (A)
Van Bonutet C. P. (A)
Bonutet C. P. (A)

Caseros (BA) Boquete, C. B. (M)

Hurlingham (BA) Cosentino, A. T. (F)

Martinez (BA) Candido, J. V. (SM)

San Martin (BA) De Los Santos, A. N. (A) Garrido, R. A. P. (A)

San Miguel De Tucuman (BA) Frias, D. E. (SM) Lopez De Zavalia, R. J. (A)

Rio Negro (BA) De Haro, F. O. (A)

Vincente Lopez (BA) Pereyra, L. A. (SM)

Zarate (BA) Berenyl, S. (M)

AUSTRALIA

New South Wales

Alexandria McFadden, D. R. (A)

Ashfleid Honnor, W. W. (SM)

Beecroft Hope, R. S. (M)

Bexley Wardale, A. H. (M)

Canberra
Brown, S. E. (A)
Carden, P. O. (A)
Finney, K. L. (A)
Graf, G. R. (M)
Hibbard, L. U. (M)
Robertson, D. S. (A)
Wadsworth, B. F. P. (M)

Chippendale
Dobble, L. G. (SM)
Chandler, G. A. (A)
Krishnan, T. (M)
Ryan, R. D. (M)

East Lindfield Thom, F. W. P. (SM)

Five Dock Cansick, N. V. C. (A)

Kensington Laisk, E. (M)

Kogarah Chinn, H. R. (A)

Longueville Beard, M. (M) Swire, B. E. (M)

Mosman Wyles , D . G. (SM)

Neutral Bay Stevenson, M. H. (SM)

Orange Crouch, E. C. (A)

Penshurst Hansén, I. C. (M) Moon, C. D. (A)

Roseville Fisk, E. (F)

Aitchison, R. E. (M) Attenson, K. E. (M)
Bean, L. P. R. (SM)
Bushby, T. R. W. (SM)
Fowler, A. (M)
Gutmann, F. (SM)
Holke, L. A. (SM)
Kirkham, P. (M) Kirkham, P. (M)
Lampard, D. G. (M)
MacDonald, J. A. (M)
Mingay, O. F. (SM)
Murvo, G. H. (SM)
Parlsh, H. C. (VA)
Shaw, R. H. (M)
Warner, J. (M)

Villawood Hall, G. G. (M)

West Ryde Benson, J. E. (SM)

Queensland

Adelaide laide Ellesworth, G. (SM) Midgway, D. J. (A) Pybus, A. W.L. (SM) Treharne, R. F. (A) Willoughby, E. O. (M)

Brisbane Ham, G. (VA) Dliver, E. (M)
Wade, C. F. N. (SM)
Webster, H. C. (M)

South Australia

Davies, R. J. C. (M)

Clarence Park D'Assumpcao, H. A. (M)

Colonel Light Gardens Beck, H. M. (A)

Woomera Pickering, L. A. (M)

Victoria

Ballarat McCulloch, G. R. (A)

Blackburn Hooper, E. M. (VA)

Brighton Rubenstein, S. J. (VA) Warner, G. A. (M)

Canterbury Coate, E. F. (SM)

Chadstone Vaux, L. J. (M)

East Malvern

Cox, L. V. (M)

Frankston Kennewell, E. M. (A)

Heidelberg Brodribb, M. I. (M)

Ivanhoe Chakanovskis, E. (A)

Melhourne bourne
Brownless, S. F. (M)
Caro, D. E. (A)
Faudell, C. L. (SM)
Glover, A. J. G. (M)
Jacoby, A. (A)
Mair, R. B. (SM)
Skelton, T. H. (SM)

Richmond Webb, A. L. C. (VA)

South Melbourne

McInnes, I. G. (SM)

Blakeley, W. C. (M)

West Australia

Applecross Baldock, A, R. (A)

Bellevue Simrod, R. (A)

Perth Hatton, G. H. T. (A) Hayman, W. G. (M)

AUSTRIA

Vienna Barrett, A. E. (SM) Buehler, J. H. (A) Zemanek, H. (M)

BELGIUM

Antwerp Fettwels, A. L. M. (M) Hanotte, P. E. (M)

Balen Wezel Carpentier, W. J. O. (M)

ssels
Belevitch, V. (SM)
Bernaert, A. L. J. (A)
Bouchler, P. (A)
Bourdulgnon-Famaey, G. (A)
Gewillig, M. R. (M)
Helbig, W.L. (M)
Helbig, W.L. (M)
Janssen, T. A. M. (M)

ssels Lunn, H. J. (M) Murphy, B. (M) Sawitzki, N. (M) Van Roy, J. (M) Voltaggio, F., Jr. (SM) Vorobeitchik, J. (M)

Charleroi Desirant, M.C. (A)

Chent Buys, W. L. (M) Vanden Meersche, A.J. (VA

Kortrijk Vanwormhoudt , M. C. (M)

Mons Harmegnies, P.A. (M)

Putte Liekens, A. F. (A)

Uccle-Brussels Marique, J. (M)

Tavernier, G. C. (M)

Wilelik Deschuytere, L. C. (M)

RERMIIDA

Hamilton Hillier, R. J. (M)
Spershott, J. H. (M)
Thorogood, R. R. (A)

Pembroke Amos, A. F. (A)

Warwick Harries, J. H. O. (SM)

BOLIVIA

La Paz Welf, R. B. (M)

BRAZIL

Alagoas Lisboa, M. H. D. A. (M)

Belo Horizonte De Castro, E. M. (M)

Pernambuca Brandt, W. L. (M)

Porto Alegre
Ely, R. S. (M)
Muller, F. R. (A)
Pelxoto, E. S. (SM)
Ritter, G. (A)
Stucken, H. (A)

Rio De Janeiro

De Janeiro
Amarante, A, J. D. (A)
Aragao, S. P. (A)
Bonapace, H. (SM)
Caicoya, J. I. (M)
Calcoya, J. I. (M)
Calenda, Y. (M)
Coelho, C. A. B. (A)
Coelho, C. A. B. (A)
Cootinho, E. O. (M)
Costa, H. (F)
Costa, P. S. (A)
Coutinho, E. O. (M)
De Castor E. Silva, R. (A)
De Mattos, H. C. (M)
De Mediros, L. A. (M)
De Mediros, L. A. (M)
De Say, M. A. M. (A)
Do Carmo, A. C., Jr. (A)
Farmer, F. H. (M)
Fuzesi, Z. (M)
Guedes, H. O. P. (M)
Guimaraes, G. S. C. (M)
Heritz, J. A. (M)
Hertz, J. A. (M)
Lacombe, C. G. (A)
Leal, J. M. (A)
Lienhard, J. W. (M)
Maranhao, S. M. (A)
Mesiano, C. (A)
Mesiano, C. (A)
Meranhao, S. M. (A)
Mesiano, C. (A)
Meranhao, S. M. (A)
Mesiano, C. (A)
Meranhao, S. M. (A)

Neto, J. V. P. (M)
Nevitt, H. J. B. (SM)
Nina, J. P. (M)
Pereira, M. P. D. B. (M)
Pinheiro, U. B. (A)
Portella, A., III (A)
Pradal, H. A. (A)
Quadra, F. F. (A)
Ribelro, H. S. G. (A)
Santos, J. C. P. (A)
Schreyer, H. T. (M)
Valverde, J. F. (M)
Waeny, J. C. C. (M)

D Paulo
Altschul, E. O. (A)
Barradas, D. C. M. (M)
De Barros Barreto, L. A. (M)
Beaman, W. G. (A)
Belck, H. B. (M)
Benchimol, A. (M)
Borda, J. A. (M)
Borda, J. A. (M)
Christian, W. (A)
Da Rosa, A. V. (M)
De Arruda, P. R. (A)
De Castro, C. E. R. (A)
De Macedo, A., Jr. (M)
De Miranda, S. M. (A)
De Miranda, S. M. (A)
De Miranda, S. M. (A)
Old Miranda, S. M. (A)
Ciradelli, L. R. L. (A)
Goldberger, N. (A) Sao Paulo Golomann, R. D. (A)
Grels, W. F. (A)
Guimaraes, B. Q. (M)
Hirschfeld, B. (SM)
Kubelka, W. (M)
Leirner, A. A. (M)
Leyr, G. I. (M)
Llgnon, J. R. (A)
Llgnon, J. R. (A)
Mozelra, J. S. (A)
Muzzlo, J. L. R. (A)
Mozelra, J. S. (A)
Muzzlo, J. L. R. (A)
Nepomuceno, L. X. (A)
Ribeiro, S. T. (M)
Rittmelster, H. (M)
Rubin, L. (SM)
Senise, J. T. (M)
Sherman, F. L. (M)
Stamopoulos, C. D. (SN) Smit, J. (M)
Stamopoulos, C. D. (SM)
Tai, C. T. (SM)
Tissi, P. (A)
Woelz, A. L. (M)

BRITISH EAST AFRICA

KENYA

Nairobi Pegrume, S.A. (M)
Talbot-Jones, R.V. (M)
Tully, A. (M)

BRITISH GUIANA

East Coast Demerara Tibbits, A. E. (A)

Georgetown
De Freitas, J. F. (A)

Rio Demerara Greaves, H. A. (M)

BRITISH OCEANIA

Flii Islands

Suva Peck, D. G. (M)

BRITISH WEST AFRICA

Lagos Fenton, W. A. (M) Rowe, J. M. (M)

BRITISH WEST INDIES

BAHAMAS

Nassau Ingraham , K . R . (M) Sherman, A. B. L. (M)

GRENADA Windward Island Smith, R. A. (M)

JAMAICA

Cross Roads Gauntlett, G.A.R. (M) Kingston Dixon, A.E. (A) Samuels, R.P. (M) Thomson, A.G. (M)

Palisadoes Hoyes, V. V. (M) Shaw, H. L. (A)

TRINIDAD

Port-of-Spain Borde, E. H. (A) Fung, J. H. (A) Kerr, J. L. (M) Venderhoek, E. F. (A)

San Fernando Bell, R. J. (M)

BURMA

Chauk Porter, A. H. (M)

Rangoon
Ba'hll, F. (M)
Khin, M. A. (A)
Kyi, M. A. (M)
Lwin, M. M. (A)
Maung, U. A. (A)
Myint, A. (M)
San, P. T. (M) Su, B. (A) Than, M. M. (M) Than, M. P. (A) Win, U. S. (A)

CANADA ALBERTA

Ardrossan Ewell, A.T. (A)

Bowness Carlson, C. V.(A) McDougall, S. B.(A)

McDougall, S.B. (A)

Calgary (SA-B)
Allan, W. K. (M)
Allinson, M. V. (A)
Ball, E. T. (M)
Barhan, R. N. (A)
Biernacki, H. R. A. (A)
Biernacki, H. R. A. (A)
Blank, J. A. (M)
Brownlee, B. P. (M)
Cole, A. M. (A)
Connor, E. C. (A)
Cook, R. E. (M)
Cutis, R. H. (M)
Davis, A. P. (SM)
Dickson, F. J. (A)
Dubber, W. G. (A)
Evans, P. R. N. (A)
Freek, W. L. (M)
Gill, A. L. (A)
Gordon, R. E. (M)
Grisweld, A.L. (A) Gordon, R. E. (M)
Griswold, A. L. (A)
Griswold, G. H. (A)
Handford, G. B. (M)
Hansen, C. H. (A)
Hemming, G. (A)
Hill, R. F. (A)

Hill, R. F. (A)
Johnson, C. W. (M)
Johnson, C. W. (M)
Johnson, C. W. (M)
Kelcey, M. F. (M)
Ker, W. G. (A)
Kitlitz, R. S. (M)
Lamb, R. W. H. (M)
Lawb, R. W. H. (M)
Lawber, D. H. (A)
Litchinsky, S. (M)
Lundrigan, E. G. (A)
MacDonald, A. G. (M)
MacDonald, A. G. (M)
MacIsaac, G. M. (A)
Marion, G. E. (A)
Marion, G. E. (A)
Marshall, D. R. T. (M)
McLean, R. A. (M)
McLean, R. A. (M)
Merry, H. C. (A)
Miller, E. C. (A)
More, J. D. (M)
Nawata, T. T. (A)
Parkinson, G. E. (M)
Parkinson, G. E. (M)
Sandrelli, R. D. (A)
Sadler, G. L. (M)
Schafer, E. D. W. (M)
Sisko, J. R. (M)
Sisko, J. R. (M)
Smith, M. F. (A)
Smith, R. E. (M)
Smith, R. E. (M) Stuart, A. J. (M)
Swanson, R. W. (A)
Szojka, F. C. (M)
Umbach, E. A. (A)
Upton, D. K. (A)
Watt, K. M. (M)
Webster, D. J. (A) Werbisky, C.E.(A) White, G.H.(A)

Andree, A. D. M. (A) Gaulin, R. J. (A) Krijnen, T. M. G. (A) Overett, T. H. R. (M)

Stromsmoe, K.A.(M) Yates, J.W.(A)

Edmonton (NA-B) Adler, J. G. (A) Arksey, G. W. (M) Banks, K. M. (M) Banks, K. M. (M)
Bassendowski, E. A. (A)
Basstock, D. W. (A)
Berwick, C. D. (A)
Biduleak, G. (M)
Boyko, L. L. (A)
Bradbury, W. C. (M)
Burtch, N. (A)
Cable, R. P. (A)
Caldwell, A. (M)
Cambell, T. G. (A)
Carry, S. L. (A)
Cunningham, W. E. (M)
Davidson, D. J. (A) Cunningham, W. E. (M. Davidson, D. J. (A) Ducey, R. J. (M) Earnshaw, A. (M) Few, E. I. (A) Goodman, C. J. (M) Hall, T. W. (M) Harwood, E. L. (M) Henderson, I. W. (A) Hollingworth, F. (A) Ingram, G. R. (A) Inkman, W. M. (A) Johnson, R. A. (A) Kantautas, A. (A) Inkman, W. M. (A)
Johnson, R. A. (A)
Kantautas, A. (A)
Kiss, F. V. (M)
Knights, G. F. (M)
Leitch, J. G. (M)
Leitch, J. G. (M)
MacDonald, D. L. (SM)
MacDonald, D. L. (SM)
MacBonald, D. L. (SM)
Makepace, F. G. (A)
McMahon, V. J. (M)
Nichol, A. C. (A)
Peterson, D. A. (M)
Powley, R. K. (A)
Rice, G. R. A. (A)
Richard, G. B. (A)
Rodgers, J. P. (M)
Sacker, J. E. (M)
Sacker, J. E. (M)
Sacker, J. E. (M)
Sacker, J. C. (A)
Smith, A. O. (A)
Smith, A. O. (A)
Sturliffe, R. F. (M)
Wadson, T. E. (A)
Wylie, A. (A) Wylie, A. (A) Zaharichuk, S. (M) Zowtiak, J. (M)

Granum (SA-B)
Johnson, N. P. (A)

Islay (NA-B)
Waterfield, J. W. (M)

Leduc (NA-B) Stein, R. A. (M)

Raiston (SA-B)

Clink, W. L. (M) Red Deer (NA+B)

Bartley, G. A. (SM)

Rimbey (NA-B) Gardner, R. J. (A)

Ponoka (NA-B) Taylor, E.L. (M)

St. Albert (NA-B) Donovan, L. N. (M) Usher, R. (M)

Sherwood Park (NA-B) Henderson, R.G.(M)

South Edmonton (NA-B) Cole, D. R. (A)

Sylvan Lake (NA-B) Jonkman , J . Y . (A)

Whitecourt (NA~B) Gay, J. L. (M)

BRITISH CDLUMBIA

Aldergrove (VAN-B) Kearney, J., E., (M)

Burnaby (VAN-B) Cushing, T. D. (M) Kay, D. H. J. (M) Reagh, D. M. (A)

Castlegar (VAN-B) Thorp, W. W. (M)

Dawson Creek (VAN-B) Benner, F. D. (M)

Edgewater (VAN-B) Boker, D. D. (A)

Esquimalt (VAN-B) Evans, O. J. (M)
Hutcheson, J. G. R. (M)
Milne, A. R. (M)

Fort Nelson (VAN-B) Jones , L , M , (M)

Kelowna (VAN-B) Wyatt . T . E . (A) Lytton (VAN-8) Manders , D. F. (SM)

Mission City (VAN-8) Kyashko, W. (A)

Nanaimo (VAN-8) Carswell , J. D. (A) Heaslip , D. E. (A) Mac Intyre , E. R. (M) Pirart , M. A. (M)

New Westminster (VAN-8) Ahrens, R. H. (M) Aitken, R. (M) Shlu, S. D. W. (M)

North Surnaby (VAN-8)
Butler, R. H. (A)
Dill, H. J. (M)
Newton, W. K. (M)
Smith, J. M. (A)

North Surrey (VAN-8) Ott, E.K.(A) Tunner, J.H.(A)

North Vancouver (VAN-8)
Alfreds, L. J. (SM)
Alfrede, R. C. (A)
Crawford, A. M. (M)
Elliott, D. T. (A)
Goldle, H. J. (M)
Lynch, T. G. (M)
Marlatt, C. D. (A)
McDonald, R. C. (A)
Neveroski, F. (A)
Niblock, P. A. (M)
Racey, T. W. (A)
Reyda, D. C. (A)
Willoner, G. (SM)
Wilson, C. M. (A)

Penticton (VAN-8)
Paton, i. W. (A)

Port Moody (VAN-8) Chisholm, E. (A)

Read Island (VAN-8) Taylor, A. H. (SM)

Richmond (VAN-8) Hepburn, J. T. (M) Matheson, C. D. (A) Vroom, D. R. (A)

Royal Oak (VAN-B) Chorlton, D. J. (M)

Savona (VAN-8) Payne , T . E . G . (A)

South Burnaby (VAN-B) Knight, G. M. (A) Trainor, W. J. (M) Tripp, H. H. (A)

Trail (VAN-8)
Baron, H. D. (A)
Gowans, W. K. (M)

Vancouver (VAN-8)
Allison, R. W. (M)
Bealte, D. F. (A)
Beaton, R. J. (A)
Black, D. T. (M)
Beaton, R. J. (A)
Black, D. T. (M)
Bohn, E. V. (A)
Bramham, K. (A)
Breeze, J. E. (SM)
Carpenter, D. D. (SM)
Chandler, A. H. (M)
Chandler, G. C. (SM)
Clisch, D. F. (A)
Cole, R. A. (SM)
Cringan, F. J. (M)
Crowson, D. B. (M)
Cummings, W. M. (A)
Delaney, D. K. (A)
Diamond, M. (M)
Diettker, W. (M)
Enq. T. S. (M)
Fall, S. T. (M)
Fall, S. T. (M)
Frazer, F. S. (M)
Frazer, F. S. (M)
Garrison, G. J. (M)
Green, M. E. (SM)
Hale, S. T. (A)
Harow, A. E. (A)
Hilton, B. C. (A)
Kolbelns, E. N. (M)
Klok, B. (A)
Kolbelns, E. N. (M)
McCarath, R. R. (M)
McCarath, R. R. (M)
McCarath, E. F. (A)
McCennell, B. (A)
McCennell, B. (A)
McCennell, B. (A)
McLennell, B. (A)
McLennell, B. (A)

Mohammed, A. (M)
Moore, A. D. (SM)
Noakes, F. (M)
Noman, E. R. (A)
Noman, R. O. (M)
Phillips, G. E. (A)
Potvin, L. H. (A)
Praeq, W. F. (M)
Price, E. M. (A)
Pye, R. M. (A)
Reader, W. R. (M)
Robinson, R. A. (M)
Robinson, R. A. (M)
Robinson, E. E. (M)
Saito, Y. (M)
Seabrook, H. B. (M)
Skelding, J. A. (M)
Spilsbury, A. J. (M)
Thompson, H. C. (A)
Spilsbury, A. J. (M)
Tracey, W. R. (A)
Tupper, B. R. (F)
Varah, L. A. (A)
Weeks, R. L. (M)
Whiteside, R. (A)

Vernon (VAN-8) Hanslip, G. (M)

Victoria (VAN-8)
Blyth, G. S. (A)
Davidson, M. H. (A)
Duston, R. F. (M)
Johns, J. G. (A)
Madill, C. L. (M)
Weir, R. C. (M)

West Vancouver (VAN-8)
Bennett, W. F. (M)
Bonnett, J. D. W. (A)
Whittey, T. (M)

MANITOBA

Argyle (WIN-8) Baranovsky, C.(M)

Beausejour (WIN-8) Webber, B. O. (A)

Brandon (WIN-8) Gomez, A. M. (M)

Brooklands (WIN-8) Bigar, E. (A)

Cranberry Portage (WIN-8) Moore, D. G. (A)

East Kildonan (WIN-8) Thrasher, P. J. (A)

Fort Garry (WIN-8) Coish, H. O. (M) Haakonsen, H. M. (M)

Gretna (WIN-8) Roddick, J. H. (M)

Lac du Bonnet (WIN-8) Uhlman , J. C. (A)

Norwood (WIN-8) Barschei , E . (A)

Rivers (WIN-8) Strain, E. M. (M)

St. Boniface (WIN-8) Philpott, G. W. (M)

St. James (WIN-8) Cuthbert, P. (A)

Cuthbert , P . (A)
Transconia (WIN-8)

Halchuk, R. A. (M)
West Kildonan (WIN-R)

West Kildonan (WIN-8) Yankewicz , W . W . (M)

Winnipeg (WIN-8)
Ardelian, T. E. (M)
Barnstable, F. H. (M)
Blair, R. G. (M)
Blica, R. S. (A)
Body, H. T. (SM)
Bridges, E. (M)
Brown, J. R. B. (A)
Buchmeier, H. P. G. (M)
Canobell, D. C. (M)
Cambell, D. C. (M)
Cambell, J. F. (A)
Clayton, H. C. V. (A)
Crolly, J. A. (M)
Cross, I. F. (SM)
Dunn, H. CA
Dusang, E. B. (M)
Grabin, W. H. (M)
Grabin, W. H. (M)
Grabin, W. H. (M)
Gravin, P. (A)
Hamilton, W. (A)
Hamilton, W. (A)
Harvey, V. H. (A)
Hopper, C. J. (M)
Hopper, C. J. (M)
Johnson, R. A. (M)
Johnson, R. A. (M)

Kirk, G. R. (M)
Korrad, J. E. (M)
Laurila, W. E. (A)
Leite, A. N. (A)
Love, G. (M)
Lumley, J. N. C. (M)
MacDonald, P. A. (SM)
Maguire, R. T. (M)
McQuaid, A. C. (A)
Mestery, S. J. (A)
Murshy, B. F. (M)
Naqvi, S. I. H. (A)
Nattress, I. A. (M)
Newey, D. K. (M)
Noakes, J. F. (A)
Dakes, D. A. (M)
Paterson, D. J. (M)
Paterson, R. L. (M)
Royko, W. (M)
Sawar, M. B. (M)
Royko, W. (M)
Sawar, M. B. (M)
Sawar, H. B. (A)
Simister, R. M. (M)
Simister, R. M. (M)
Simister, R. M. (M)
Simister, R. M. (M)
Williamson, W. B. (A)
Taylor, D. F. (M)
Tinkler, E. B. (A)
Tinkler, R. F. (M)
Williamson, K. H. (M)
Williamson, K. H. (M)
White, T. J. (M)
Williamson, K. H. (M)
Windrick, P. F. (M)
Windrick, P. F. (M)
Wornell, H. T. (SM)

NEW BRUNSWICK

Bathurst (MON-8) Cote, J. A. (A)

Campbellton (MON-8) Lyon, W. D. (M)

Chatham (MON-8) Boose, W. H. (A)

Fredericton (MON-B)
Bailey, C. O. C. (M)
Collier, R. J. (M)
Scott, R. N. (M)
Smolinski, W. J. (M)
Wasson, W. D. (M)

Moncton (MON-8) Grant, D. J. (M) Kemp, J. R. (A) Richaur, F. F. (M)

Oromocto (TOR-B) Nightingale, A. J. (M)

Sackville (MON-8) Hart , E . S . (A) Smith , H . M . (SM)

St. John (MON-8)
Bishop, J. G. (M)
Fanjoy, E. M. (M)
Isaacs, H. A. J. (A)

NEWFOUNDLAND

Labrador (NEW-8) Tanton , J . E . (A)

Gander (NEW-8) Alway , V , J , (M) St , John's (NEW-8)

John's (NEW-8)
Ainsworth, V. A. (A)
Au, G. D. (A)
Bailey, F. C. (M)
Bedingfield, J. F. (A)
Bishop, H. A. (M)
Bunt, R. H. (M)
Coe, M. C. J. (M)
Filber, L. (A)
Gaskell, W. M. (A)
Gladden, M. (M)
Gould, T. C. (A)
Halfyard, R. (M)
Hierlihy, O. G. (M)
Inkson, I. A. (M)
Jerrett, A. C. (M)
Kaltenbach, R. F. (M)
Lawton, B. (M)
Lesperance, B. J. (A)
Lewis, R. (M)
Lounder, J. F. (A)
Moseley, S. V. (A)
Mulloy, F. A. (A)
Moseley, S. V. (A)
Mulloy, F. A. (A)
Nosh, D. J. (A)
Oliver, J. V. (A)
Prowse, B. J. (A)
Quamby, A. (A)
Ross, G. M. (M)
Ryde, C. H. (M)
Sparrowe, J. A. V. (A)
Sparrowe, J. A. (A)
Tibbett, J. E. (A)
Wells, R. J. (M)

Williams, V. (A) Witherstone, E. D. (M)

NDVA SCDTIA

Armdale (M DN-8) Currie , V . J . (A) Thibodeau , D . L . (M)

Cornwallis (MON-8) Pimenoff, V. J. (M)

Dartmouth (MON-8) Cox, G. C. (M)

Greenwood (MON-8) 8rown, H. C. (A) Hermiston, J. A. (A) Storm, A. C. (A)

Halifax (MON-8)
Arvisais, G. J. (M)
Burchill, G. H. (M)
Fowlie, W. D. (M)
Grant, A. S. G. (M)
Greiq, A. W. (M)
Heenan, N. I. (A)
Mac Williams, A. R. (A)
Mirray, C. W. (A)
Robertson, J. J. C. (VA)
Tuszynski, A. A. (M)
Wilson, R. W. (M)
Wood, W. (A)

MIddleton (MON-8) Mac Leod, R. A. (A)

Shelburne (MON-B) Kent, M. P. (A)

Sydney (MON-8) Janega, J. J. (M) Oulton, G. R. (M)

West Berwick (MON-8) Kelly, T. W. (A)

Wolfville (MON-B) Tillatson, J. G. (M)

Woodlawn (MON-8) White, W. R. (A)

ONTARIO

Acton (H-KW-B) Coats, W. D. (M)

Agincourt (TOR-8)
Barringer, A. (A)
Butler, C. A. (M)
Collins, G. S. (M)
Cummings, V. J. (M)
Davis, L. S. (A)
Liggans, C. E. (A)
Maine, A. E. (M)
Rethoret, R. H. (M)
Shack, A. G. (M)

Ajax (TOR-8)
Bayly, B. D. F. (F)
Mulholland, G. C. (A)
Philp, H. F. (A)

Almonte (OTT-8)
Maynard, L. A. (M)

Alvinston (L-SW0-8) Jackson, R. B. (A)

Ancaster (HAM-B)
Fines, W. W. (A)
Fromanger, A. L. (M)
Gomard, P. (M)
Jewell, G. S. (M)
Jeyens, W. E. (M)
Otson, E. (SM)
Ruse, E. (M)
Smith, C. J. (M)
Stapleton, A. A. (A)
Thomas, E. A. (M)
Wiffin, R. F. (A)
Wilder, J. C. (M)

Arnprior (OTT-8)
Boire, P. C. (M)
Montagnon, N. B. (M)
Wassink, 8. J. (A)
Zuldhof, A. (M)

Ashburn (TOR-8) Anderson, W. H. (M)

Aurora (TOR-8) Morris, D. V. (A)

Bancroft (BAY-8) Shaw, P. D. W. (A)

Barrie (TOR-8) Paulin, W. P. (M)

Belleville (BAY-8)
Attridge, D. M. (A)
Baxter, G. I. (A)
Bell, G. L. (M)
Benger, W. C. (SM)
Blacker, H. L. (M)
Burkett, K. V. (M)
Caroy, P. M. (M)
Clarke, W. E. (M)
Coombs, C. W. (M)

Cowan, D. J. (M)
De Paul, V. A. (M)
De Paul, V. A. (M)
Dryden, T. W. R. (A)
Dryden, T. W. R. (A)
Duke, A. M. (M)
Field, G. C. (M)
Fort, D. E. (M)
Fort, D. E. (M)
Frederick, H. V. (M)
Goodwin, R. N. (M)
Hanna, J. L. (A)
Heaven, W. H. (SM)
Hunt, C. A. (A)
Jamros, A. (M)
Jarvis, J. A. (SM)
Johns, D. M. (A)
Johnson, M. E. (M)
Johns, D. M. (A)
Johnson, M. E. (M)
Johns, D. M. (A)
Mostashuk, S. S. (M)
Lind, E. P. (M)
Lind, E. P. (M)
More, N. A. (M)
Martin, N. (M)
Mitchell, T. E. (M)
Moore, N. A. (M)
More, N. A. (M)
Scarlett, A. E. (A)
Sillitoe, S. (M)
Scarlett, A. E. (A)
Sillitoe, S. (M)
Stewart, P. P. (A)
Stinson, A. W. (M)
Stroud, E. L. (M)
Warnham, L. (SM)
Wamboldt, G. L. (M)
Waller, M. J. (SM)
Waller, M. J. (SM)
Waller, M. J. (SM)
Waller, M. J. (SM)
Wamboldt, G. L. (M)
Waller, M. J. (SM)
Walliarmon, J. A. (M)
Williamson, J. A. (M)

Bells Corners (OTT-B) Itenson, V. A. (M)

Bloomfield (BAY-8) Woods, W. T. (A)

Brampton (TOR-8)
Alkenhead, B. A. (M)
Cooper, J. E. (M)
Milsom, D. E. G. (A)

Branchton (H-KW-8) Riley, D. (A)

Brantford (HAM-8) Hochner, S. V. (A) McConnachle, W. A. (A) Williams, J. K. (M)

Brittania Bay (OTT-8) Scott, J. C. W. (F)

Brockville (OTT-8) Leeder, W. F. (A) Uszkay, E. S. (M)

Bronte-Oakville (H-KW-8) Ticknor, A. E. (M)

Burlington (H-KW-8)

Beaumont, G. F. (SM)
Cockle, E. S. (M)
Davis, C. C. (M)
Duff, D. L. A. (M)
Heys, D. M. (M)
Lower, W. M. (M)
McFarlane, R. A. (M)
Merlit, H. J. (M)
Moes, G. (M)
Musselman, J. A. (M)
Stonelake, D. A. (M)
Webb, H. H. (M)
Wilkinson, S. (M)

Byron (LON-8) Golden, P. (M) Warr, R. J. (M)

Cardinal Heights (OTT-8) Ayukawa, K. (M) Couzens, D. T. (M) Mledzinski, J. (SM)

Carleton Place (OTT-8) Britney, D. L. (M) Kerr, G. O. (A)

Chalk River (OTT-8) Cowper, G. (SM) Jones, A. R. (M)

City View (OTT-8) Smith, W. B. (SM)

Clarkson (TOR-8)
Beattle, D. (M)
Boersma, J. (A)
Heidebrecht, L. E. (M)
Sharf, W. A. (A)

Clinton (LON-8)
Bogstad, F. O. (M)
Brightwell, S. A. (M)
Firlotte, J. L. (M)
Higgins, G. S. (A)
Hoodspith, R. R. B. (SM)
Lowe, A. W. (M)
Mawdsley, J. S. (M)

Senior, R. N. (M) Shutt, S. (A)

Cobourg (BAY-8) Williamson, D. 8. (SM)

Coldwater (TOR-8) Parker, D. L. (M)

Cooksville (TOR-8) Game, L. C. (A) Hastle, F. S. (A) Hayward, J. R. (M)

Copper Cliff (TOR-8) Shaw, J. L. (SM)

Cornwall (OTT-8) Hamilton, W. D. (M)

Deep River (OTT-8)
Allen, V. H. (M)
Brown, J. C. (M)
Drew, T. D. (A)
Dunlop, D. P. (M)
Goulding, F. S. (SM)
Hayter, D. M. (M)
Wayne, L. B. S. (M) Waugh, J. 8. S. (M)

MIIIs (TOR-8)
Adams, R. L. (SM)
Anto, H. (A)
Breckenridge, A. G. (M)
Brown, R. W. (SM)
Eastwood, G. C. (M)
Fiyrin, M. W. (M)
Gillies, G. A. (A)
Greenwood, R. E. (M)
Lee, G. (A)
Low, A. R. (M)
McCloskey, K. P. (A)
MIIIen, T. I. (SM)
Pipe, G. E. (M)
Robinson, J. D. (A)
Semmelink, A. (SM)
Simoni, A. (M) Don MIIIs (TOR-8)

Dorchester (LON-8) Moore, D. (M)

Downs view (TOR-8)
Armstrong, H. D. (M)
Brodsky, S. (A)
Casclato, L. (M)
Cohen, H. A. (M)
Day, C. A. (M)
Gattoni, L. I. (A)
Geary, B. H. (A)
Hyde, G. (M)
Lewis, D. H. (A)
Stephenson, W. R. (M)
Wall, E. (M) Wall, E. (M)
Williams, N. A. (SM)
Yablo, S. (M)

Dryden (TOR-8) Ellenwood, D. S. (M)

Dundas (HAM-8) Anthes, R. G. (SM) Kozak, W. S. (M)

Dunnville (HAM-8) Duffin, M. V. (A) Hayles, O. J. (M)

Eastview (OTT-8)
Brahan, J. W. (A)
Filippino, J. F. (A)
Storr, J. W. (M)

Elliott Lake (TOR-8) Popovich, C. D. (A)

Etobicoke (TOR-8) Knott, J. G. (M) Rocholl, H. C. (A) Thompson, R. S. (M)

Falconbridge (TOR-8) Demers, R. J. H. (M)

Forest HIII (TOR-8)

Van Dyk, T. (M) Fort Erie (HAM-8) Moratz, W. P. (A) Waud, E. C. (VA)

Fort Frances (TOR-8) Shine, G. L. (A)

Fort William (TOR-8) Andrews, G. R. (M)

Foymount (OTT-8)
Baxter, E. G. (M)
Lemke, M. F. (M)

Galt (H-KW-8) Sweet, J. L. (A)

Gananoque (OTT-8) Olive, G. W. (F)

Georgetown (H-KW-8) Matthies, J. G. (M) Prust, P. (A)

Goderich (LON-8) Carlson, D. E. (A) Hurst, R. V. (M)

Guelph (H-KW-B)
Armstrong, A. S. (M)
Brown, R. M. (A)
Clegg, G. M. (A)
Irwin, G. J. (SM)
Mackay, F. S. (SM)
Robinson, C. A. (VA)
Valerlote, P. T. (A)

Hamilton (HAM-8)
Aldwinckle, J. G. V. (M)
Anderson, J. W. (M)
Bohay, J. A. (M)
Cannon, E. T. (A)
Cantlon, C. F. (SM)
Ceelen, P. A. J. (M)
Challis, R. (M)
Cheek, W. A. (A)
Coonor, J. J. (A)
Coolsma, S. F. (M)
Dean, W. W. H. (SM)
Edwards, F. H. (M)
Edwards, F. H. (M)
Geldart, W. J. (M)
Gladwin, A. S. (M)
Geldart, W. J. (M)
Gladwin, A. S. (M)
Geldart, W. J. (M)
Harris, D. E. (A)
Harris, D. E. (A)
Harris, D. E. (A)
Harris, D. E. (A)
Hipp, T. M. (M)
Heal, G. L. (A)
Hipp, T. M. (M)
Heal, G. L. (A)
Hipp, T. M. (M)
Leek IV. (M)
Leek IV. (M)
Loos, C. M. (M)
Kassner, J. (A)
Keterborn, W. H. (SM)
Lekk IV. H. (M)
Litwin, J. D. (A)
Lucyk, J. (M)
Lyons, K. C. (M)
Marcin, R. H. (A)
Mason, V. V. (SM)
McGee, H. R. (M)
Minchel, C. C. (M)
Marin, R. H. (A)
Smith, W. (M)
Slater, H. (A)
Silke, A. G. (A)
Silker, A. G. (M)
Slater, H. (A)
Silker, M. L. (M)
Todd, H. F. E. (A)
Walker, M. L. (M)
Todd, H. F. E. (A)
Walker, M. L. (M)
Wilk, J. (A)
Walker, M. M. (M)
Valvaneshay M. M. (M)
Valva

Highland Creek (TOR-8) Gladys, S. J. (M)

Yakymyshyn, M. M. (M)

Homby (H-KW-8) Pefhany, J. (A)

Iondale Heights (TOR-8) Johnston, K. S. (A)

Islington (TOR-8)
Brammanis, A. (M)
Gent, L. F. T. (M)
Mathers, F. F. (A)
Westcott, D. B. (M)
Wood, A. E. (M)

Jordan Station (HAM-8) Pond, J. F. (M)

Kapuskasing (TOR-8) Campbell, J. H. (M)

Keewatin (TOR-8) Jones, A. W. (M)

Kettleby (TOR-8)

Sorth, L. A. (M)

King (TOR-8) Stubbs , R . A . (A)

Kingston (BAY-8) gston (BAY-8)
Amistrong, H. L. (M)
Bowen, B. A. (M)
Bradley, D. J. (M)
Campling, C. H. R. (M)
Chambers, R. G. (A)
Chisholm, R. M. (A)
Harrower, G. A. (M)
Hay, J. D. (M)
Hetherington, F. E. (M)
Hyman, W. R. (M)
McPherson, J. A. (M)
Murray, R. G. (M)
Ryan, W. D. (M)
Stewart, H. H. (SM) Stewart, H. H. (SM)

Kirkland Lake (TOR-8) Chapman, K. G. (M)

Kitchener (H-KW-8) chener (H-KW-8)
Albrecht, J. (A)
Barsony, C. L. (M)
Clark, W. B. (SM)
Cox, G. M. (SM)
Dankwardt, R. W. (M)
De Haas, T. (M)
Duvall, J. M. (M) Feilchenfeld, M. M. (M)
Goetz, H. E. J. (M)
Guzik, S. W. (M)
Hass, Z. K. (SM)
Kennedy, T. E. (M)
Love, S. F. (M)
Marsland, J. W. (A)
McHugh, D. E. (A)
Ritz, E. A. (A)
Smallwood, S. G. (A) Smallwood, S. G. (A) Turchan, P. J. (A) Washburn, J. C. (M)

Lancaster (OTT-8) McLeod, J. W. (M)

Lansing (TOR-8) Fisher, G. W. (A)

Side (TOR-B)
Brereton, R. L. (M)
Crossan, G. W. (M)
Fitzallen, J. H., Jr. (M)
Hogan, J. F. (A)
Webster, C. G. (M)

Lively (TOR-8) Leask, R. D. (M)

London (LON-8) ndon (LON-B)
Bach, J. R. (SM)
Beninger, G. J. (A)
Beninger, G. J. (A)
Blackwell, J. H. (SM)
Brouwer, J. J. (A)
Brouwer, J. J. (A)
Brule, R. J. (A)
Brule, R. J. (A)
Brule, R. J. (A)
Ferouson, A. F. (M)
Ferouson, A. F. (M)
Foster, G. L. (M)
Foster, G. J. (M)
Foster, G. J. (M)
Foster, G. J. (M)
Foster, G. J. (M)
Jay, D. R. (SM)
Hinz, E. J. (A)
Hosker, G. R. (M)
Jackson, N. B. (M)
Jackson, N. A. (A)
Luke, R. W. (M)
Moeys, G. L. (A)
Nunn, W. A. (A)
Oliver, W. L. (M)
Pepino, L. F. (A)
Prodger, A. (A)
Prodger, A. (A)
Prodger, A. (A)
Prothero, J. W. (M)
Rumbold, D. G. (A)
Rumbold, D. G. (A)
Ruth, C. G. (M)
Stewart, T. W. W. (A)
Stokes, S. J. (A)
Strik, W. L. (M)
Suchard, D. G. (M)
Tull, E. H. (SM)
Warder, J. C. (M)
Wilton, R. (SM)
Zelonka, F. A. (M)

Longlac (TOR-8) Koshman, R. (A)

Lorne Park (TOR-8) Grossman, J. S. (M) Teng, T. (A)

Lowbanks (HAM-8) Moore, B. W. L. (A)

Malton (TOR-8) Frusher, R. J. (M) Galvin, P. (M)

Mattice (TOR-8) Denyer, J. H. N. (M)

Mitchener (H-KW-8) Banks, F. A. O. (M)

Newmarket (TOR-8) Blackwood, G. W. (M) Posnikoff, P. W. (M)

Niagara Falls (HAM-8) Roberts , W. F. (A)

Nobel (TOR-8) Anthony, F. (A)

North Bay (TOR-8) Scott, C. R. (A) Sullivan, T. (M) Trenouth, H. W. (A)

Oakville (H-KW-8) Alsop, J. W.(A)
Alsop, J. W.(A)
Amis, T. E. (A)
Fekyt, D. P. (A)
Maskell, R. F. (A)
McLennan, E. A. (M)
Paddon, J. W. (SM)

Orangeville (TOR-8) Wray, D. G. (A)

Orillia (TOR-8) MacQuarrie, R. C. (A)

Oshawa (TOR-8)
Hunt, J. W. (M)
Kerr, R. L. (M)
Marchand, W. C. (I
McLean, D. J. (M) (M) Starker, H. H. (A)

Ottawa (OTT-8) Adey, A. W. (A)
Aksim (V. E. (SM)
Aksim (V. E. (SM)
Aksim (V. E. (SM)
Aksim (V. E. (SM)
Anglin, F. M. (A)
Argyle, J. V. (A)
Baart, J. G. (A)
Baart, J. G. (A)
Ballard, B. G. (F)
Barrett, W. A. C. (M)
Bell, A. C. (M)
Bell, A. C. (M)
Bennett, J. R. G. (SM)
Bennett, J. F. (M)
Boelman, P. M. (A)
Boyd, G. M. (M)
Bredahl, A. (M)
Bredahl, A. (M)
Bredahl, A. (M)
Brown, R. K. (M)
Brown, R. K. (M)
Brown, R. K. (M)
Brown, R. K. (M)
Brown, R. (A)
Burthyk, N. (A)
Cardis, R. M. (M)
Cardon, W. A. (M)
Chomman, R. (A)
Chown, B. F. (M)
Chome, J. T. (M)
Chome, J. T. (M)
Chome, J. T. (M)
Chome, J. T. (M)
Collins, W. C. (A)
Cope, L. G. (A)
Cope, L. G. (A)
Cope, L. G. (A)
Cope, L. G. (M)
Day, J. W. B. (M)
Des Brisam, A. W. Y. (M)
Des Brisam, A. W. Y. (M)
Bedison, E. P. (S)
Elliott, R. E. (SM)
Cardon, W. A. (SM)
Dashey, D. R. (A)
Davies, N. G. (M)
Franks, D. R. (A)
Davies, N. G. (M)
Fedorak, W. N. (A)
Field, G. S. (F)
Field, P. A. (SM)
Field, G. S. (F)
Field, P. A. (SM)
Frankin, C. (M)
Frankin, C. (M)
Frankin, C. (M)
Hamito, V. L. (M)
Galbraith, R. A. H. (SM)
Galbraith, R. A. H. (SM)
Galbraith, R. A. H. (SM)
Henderson, D. P. (M)
Handerson, D. P. (M)
Handerson, D. P. (M)
Handerson, J. T. (F)
Hendry, A. (M)
Henderson, D. P. (M)
Henderson, J. T. (F)
Hendry, A. (M)
Henderson, D. P. (M)
Handerson, D. P. (M)
Hander, R. R. (M)
Hurd, R. R. (M)
Horomod, J. L. (M)
Honderson, J. P. (M)
Honderson, J. R. (M)
Horomod, J. L. (M)
Honderson, J. R. (M)
Horomod, R. T. (A)
Hurderson, J. P. (M)
Honderson, J. R. (M)
Horomod, R. T. (A)
Hurderson, J. R. (M)
Hurder, R. (M)
Hurder, R. (M)
Hurder, R. (M)
Hurder, R.

Kenniger, A. (M)

KIVISTIK, O. (M)
Klein, E. J. (M)
Klein, E. J. (M)
Korzynski, W. F. (M)
Kydd, J. G. (A)
Lacey, W. K. (A)
Lacey, W. K. (A)
Lake, G. T. (M)
Largelle, R. (C)
Larmen, W. (M)
Lazecki, S. (M)
Legrand, A. J. (A)
Lemay, R. B. (M)
Legrand, A. J. (A)
Lemay, R. B. (M)
Lemke, R. L. (A)
Locke, J. L. (M)
Looke, J. L. (M)
Lond, S. C. (M)
Londs, J. A. (M)
MacKay, J. G. (M)
McIntosh, J. A. (A)
McKinley, D. W. R. (F)
Mac Kinnon, K. A. (F)
MacKinnon, K. (F)
MacKinnon, K. (F)
MacKinnon, K. (M)
Mason, D. M. (M)
Mason, D. M. (M)
Mason, D. M. (M)
Mason, D. M. (M)
Matte, G. (M)
McCormick, G. C. (A)
McCualg, N. E. (M)
McCormick, G. C. (A)
McCormick, G. C. (A)
McCormick, G. C. (A)
McCaral, J. J. (M)
McLeish, C. W. (SM)
McHoto, R. E. (M)
McLeish, C. W. (SM)
Medd, W. J. (M)
Medo, J. A. (M)
Molore, D. A. (A)
Molore, J. A. (M)
Molore, D. A. (A)
Molore, L. R. (M)
Nelson, L. E. (M)
Nybill, D. A. (M)
Nelson, L. E. (M)
Nybill, D. A. (M)
Noror, J. A. (M)
Oliveton, J. B. (M)
Pedersen, B. O. (M)
Pedersen, B. O. (M)
Perstone, S. R. (M) S. (A) Perry, E. G. (M)
Petersons, O. (M)
Petersons, O. (M)
Petrie, L. E. (M)
Phillips, L. W. (A)
Poole, E. C. (SM)
Presentey, S. M. (SM)
Price, M. (M)
Primich, R. I. (M)
Pultock, K. L. (A)
Raine, H. R. (M)
Puttock, K. L. (A)
Raine, H. R. (M)
Rastogl, R. G. (SM)
Real, R. R. (M)
Redhead, P. A. (SM)
Redhead, P. A. (SM)
Reiche, H. (SM)
Rempel, C. (M)
Richards, R. S. (M)
Richardson, W. G. (F)
Riordon, J. S. (M)
Riordon, J. S. (M) Riordon, J. S. (M)
Riordon, R. C. (A)
Riordon, R. C. (A)
Robinson, H. (M)
Robinson, T. J. S. (M)
Rogers, T. F. (M)
Rosebrush, R. K. (A)
Rowe, W. A. (M)
Roy, O. Z. (M)
Roy, O. Z. (M)
Sandoz, O. A. (SM)
Schroeder, K. A. (A)
Schroeder, K. A. (A)
Schroeder, K. A. (A)
Schroeder, K. A. (A)
Searle, W. M. (A)
Sheffield, A. G. (SM)
Sheperdy, K. T. H. (A)
Sheppard, R. (M)
Simpson, B. H. (M)
Simpson, B. H. (M)
Simpson, F. W. (M)
Skanes, D. M. (M) Skanes, D. M. (M)
Smith, F. E. (A)
Smyth, H. R. (SM)
Soucy, C. I. (SM)
Staniforth, A. (SM)
Steele, K. A. (M) Steele, K. A. (M)
Store, D. G. (M)
Store, D. G. (M)
Store, S. A. (A)
Sturrock, J. K. (M)
Sturrock, R. F. (M)
Tamowski, H. J. (A)
Tant, V. E. (SM)
Taylor, A. L. (A)
Tennucl, J. E. (A)
Thain, R. S. (SM) Thain, R.S.(SM)

Timmers, A. G. W. (M)
Trobon, B. L. (A)
Vandervelden, C. G. (M)
Von Baeyer, H. J. (F)
Wahl, H. E. (M)
Watson, G. D. (SM)
Westor, W. A. L. (A)
Webb, F. L. R. (SM)
Webb, P. R. W. (A)
Webb, P. R. W. (A)
Webb, P. R. W. (A)
Wilter, P. W. (M)
White, P. W. (M)
White, P. W. (M)
White, W. E. (SM)
Willoox, D. A. (A)
Wilmox, D. A. (A)
Wilmox, D. A. (M)
Wilson, W. R. (SM)
Witte, P. H. (M)
Wong, J. Y. (SM)
Wright, R. (SM)
Wright, R. (SM)

Painswick (TOR-8) Warnica, I. H. (A)

Parry Sound (TOR-8) Signore, S. S. (M)

Pembroke (OTT-8) Srlnivasan, S. (M)

Peterborough (BAY-8) Flemons, R. S. (SM) Grosso, J. E. (M) Klingbell, H. N. (M) Klodt, R. A. (M) Mallory, P. G. (M) MacKelvie, J. S. (SM) Young, J. A. I. (M)

Petrolia (TOR-8) Jackson, F. J. (M)

Pickering (TOR-8) BrImbecom, R.J. (M)

Clerke, B. C. (A)

Port Arthur (TOR-8) Hunter, W. C. (M)

Port Colbome (HAM-8) Sinko, J. P. (A)

Port Credit (TOR-8) t Credit (TOR-8)
Eaton, G.F. (M)
Etches, E.D. (M)
Hummel, W. M. (A)
Macumber, M. G. (A)
Sparks, B. B. (A)

Port Hope (TOR-8)
Mac Gregor, A. R. (A)
Seldler, H. G. (A)
Taylor, W. (M)

Port Rowan (LON-8) Martin, J. O. (M)

Buchanan, C.E.(A)

Prince Edward Island (MON-8)

Ramsayville (OTT-8) Harris, L. H. (M)

Rayenna (HAM-8) Flegehen, G. D. A. (A)

Renfew (DTT-8) 8elanger, J. P. (M) Muller, W.J. (M)

Rexdale (TOR-8)
Freen, P. (M)
George, J. N. S. (A)
Gronstrand, T. L. (A)
Loughrin, W. R. (M)
Murphy, W. L. (A)
Pelzer, F. W. G. (A)

Richmond (OTT-8) Ling, T. G. (M)

Richmond Hill (TOR-8) 8ull, T. R. (A) Ford, F. A. (SM) Matheson, A. I. (A)

Riverside (L-SWO-8) 8arnes, E. M. (A) Buller, 8. H. (A) Le Blanc, R. J. (A)

Rockcliffe (OTT-8)
Sugimoto , M . (M)
Fawcett , G . M . (SM)

Roslin (BAY-8) Hutson, G. E. (A)

Russell (OTT-8) Snyder, J. S. (A)

Sarnia (L-SWO-8) Cook, R. H. (M) Thomas, A. (M)

Sault Ste. Marie (TOR-8) Layasseur, J. R. A. (M) McRae, D. W. (A)

Lawaseur, J. K. A. (M)
McRae, D. W. (A)

ScarBorough (TOR-8)
Andrews, D. S. (A)
Davidson, J. W. (M)
Ellerston-Jones, E. K. (A)
Flood, F. M. (A)
Graham, H. E. (M)
Halsall, D. L. (SM)
Hayes, T. D. (M)
Hull, S. E. (A)
Kerrldge, E. L. (M)
Koster, J. A. (M)
Lazenby, T. W. (A)
McGovern, J. R. (M)
Morflson, D. C. (A)
Morlt, D. C. (M)
Morflson, D. C. (A)
Noble, D. E. (M)
Prezlosil, F. W. (M)
Prezlosil, F. W. (M)
Rawley, J. W. (A)
Rippin, D. W. (M)
Sands, J. S. (M)
Sinchen, W. E. (A)
Snowdon, G. R. (M)
Tunier, R. J. A. (SM)
Keen, W. (A)

Sittsville (OTT-8) Knowles, J. E. (A) Rowe, G. C. (SM)

South Mountain (OTT-8) Graham, G.L.(A)

St. Catherines (HAM-8)
Bastings, R.L. (A)
Goertzen, J. (A)
Harris, J. E. (A)
Kennedy, H. G. (A)

St. Thomas (LON-8) Mac Donald, R. D. (M) Dnn, W. R. (M)

Stirling (BAY-8) Glendinning, B.W.(A)

Stoney Creek (HAM-8) Gillard, W. H. (M) Parker, H. J. (A)

Stouffyllle (TOR-8) Dulmage, H. B. (SM)

Streetsville (TOR-8)

Meredith, C. C. (M)

Meredith, C. J. (A)

Meredith, M. (M)

Sudbury (TOR-8) LeClaire, R. C.A. (M) Maki, A. E. (A)

Swansea (TOR-8) Bow , A . (A)

Tecumseh (L-SWO-8) Glgnac, N.J.(A)

Thistletown (TOR-B)
Buckles, F. G. (M)
Harben, J. F. C. (M)
Lockyer, J. E. (A)
Sangster, R. (M)
Smith, K. C. (A)
Thomson, J. M. (SM)

Thornhill (TDR-8)
Giles, G. H. (A)
Poulter, R.C. (SM)
Stoddart, T. W. H. (M)
Watson-Watt, R. (F)

Timmins (TOR-8)
Amendola, 8. (A)
Mott, E. D. (A)
Stickles, D. (A)
Stocco, S. L. (M)

Stickles, D. (A)
Stocco, S. L. (M)
Torotto (TOR-B)
Amold, C. P. C. (A)
Aufleger, A. R. (A)
Aylesworth, A. B. (M)
Baion, J. D. (SM)
Bain, J. D. (SM)
Bain, J. J. (SM)
Baker, L. R. (M)
Baldwin, C. O. (M)
Baldwin, C. O. (M)
Baldwin, J. H. (SM)
Balmer, P. D. (SM)
Banner, W. G. (M)
Barratt, N. T. (M)
Barratt, N. T. (M)
Beaudoin, D. P. (M)
Beaudoin, D. P. (M)
Beechey, D. F. (M)
Benett, L. J. (M)
Benett, L. J. (M)
Benett, L. J. (M)
Berny, F. G. (M)
Berrey, F. G. (M)
Billedeau, V. A. (A)
Black, R. G. (A)
Boerner, W. K. (A)
Boll, K. E. (A)
Bond, S. (M)

Bozoki, B. (A)
Bradley, R.T. (A)
Bradley, R.T. (A)
Bradley, R.T. (A)
Bradsherg, W. P. (M)
Bridghand, C. J. (SM)
Bradsherg, W. P. (M)
Brody, R. M. (SM)
Bromy, R. M. (SM)
Brunn, G. F. (M)
Bura, P. (SM)
Burke, A. C. (M)
Byers, H. G. (SM)
Carew, S. J. H. (M)
Cary, F. C. (M)
Cass, R. S. (A)
Chambers, J. D. (M)
Chaudhari, A. L. (A)
Choat, W. F. (M)
Clarke, J. W. (A)
Choat, W. F. (M)
Clarke, J. W. (A)
Cowall, N. (SM)
Dallyn, H. E. (A)
Dallyn, H. E. (A)
Dalyin, H. E. (A)
Dalyin, W. B. (M)
Davis, G. W. L. (M)
Davis, G. W. L. (M)
Davis, K. J. (A)
Direv, W. B. (M)
Davy, A. S. (A)
Differy, W. B. (M)
Dixon, A. R. (A)
Differy, W. B. (M)
Dixon, A. E. (M)
Dixon, A. E. (M)
Dixorka, A. E. (M)
Eldring, M. P. (M)
Eldring, M. P. (M)
Erler, K. A. (A)
Eisen, D. M. (M)
Fisher, A. M. (A)
Fisher, A. M. (A)
Fisher, A. M. (A)
Fisher, A. M. (A)
Fisher, D. (M)
Gracey, T. G. (SM)
Galaraith, C. E. (A)
Gandy, L. D. (M)
Gracey, T. G. (M)
Gracey, T. G. (M)
Gracey, T. G. (M)
Gracey, T. G. (M)
Hallam, P. A. (A)
Hamse, A. L. (M)
Hamilton, H. E. S. (M)
Hamilton, H. E. S. (M)
Harafosen, K. W. (M)
Harafosen, K. W. (M)
Hassen, J. W. (M)
Hassen, P. J. (M)
Heering, J. (A)
Hobson, R. E. (A)
Houger, J. F. B. (M)
Harafosen, K. W. (M)
Harsen, P. J. (A)
Hough, H. R. (M)
Harafosen, K. W. (M)
Kaswar, P. J. (M)
Macker, P. J. (M)
Macker, P. J. (M) Martens G. O. (M) Martin, F. J. (M)

- 557 -

Martinsons, G. V. (M)
Matthews, J. N. (A)
Maxwell, J. (A)
Maxwell, J. (A)
McCord, J. T. (A)
McCord, J. T. (A)
McCord, J. T. (A)
McCord, J. T. (A)
McLaylain, R. E. (M)
McHayler, R. G. (A)
Mitchener, R. G. (A)
Mitchener, H. G. (M)
Moher, R. B. (M)
Moher, R. B. (M)
Moher, R. B. (M)
Moher, R. J. (A)
Muller, S. N. (A)
Muller, S. N. (A)
Muller, S. N. (A)
Myrea, K. C. (A)
Naylor, R. W. (SM)
Neal, J. T. (M)
Nelson, P. A. (A)
Norris, C. A. (SM)
Nylin, M. E. (M)
Nolin, M. E. (M)
Oakes, C. R. (M)
Oakes, C. R. (M)
Oakson, G. (A)
O'Beime, H. (M)
Obukuro, A. D. (A)
Orisuki, J. S. (M)
Palsley, P. R. (M)
Palsley, S. R. (M)
Palsley, S. R. (M)
Palsley, S. R. (M)
Patterson, M. C. (M)
Patterson, S. B. (M)
Patty S. M. (M)
Permik, H. O. (M)
Pickering, J. N. (M)
Penrik, H. O. (M)
Pickering, J. N. (M)
Pointon, C. G. (M)
Price, H. I. (M)
Price, L. M. (F)
Provan, R. J. (M)
Price, L. M. (F)
Provan, R. J. (M)
Price, L. M. (F)
Provan, R. J. (M)
Reale, E. F. (A)
Purvis, W. J. (M)
Roserthal, A. L. (SM)
Robinson, W. A. (M)
Robinson, W. A. (M)
Roser, A. B. Jr. (A)
Robinson, W. A. (M)
Roser, A. B. Jr. (A)
Robinson, W. A. (M)
Roser, A. B. Jr. (A)
Robinson, W. A. (M)
Roser, J. R. (M)
Samudes, L. E. (A)
Saville, H. G. (M)
Samudes, L. C. (A)
Saville, H. G. (M)
Schultz, R. M. (M)
Schultz, R. M. (M)
Sounders, L. E. (A)
Saville, H. G. (M)
Schultz, R. M. (M)
Sounders, L. E. (A)
Saville, H. G. (M)
Schultz, R. M. (M)
Schultz, R. M. (M)
Sounders, L. E. (A)
Saville, H. G. (M)
Schultz, R. M. (M)
Sc

Warhurst, R. P. (A)
Wedgewood, R. S. (M)
Weedgowood, R. S. (M)
Weedon, G. F. C. (A)
Wheelans, R. B. (A)
Whyte, J. R. (M)
Williams, A. R. (A)
Williams, R. (M)
Wilson, A. E. (A)
Wisson, A. E. (A)
Wisson, A. D. C. (A)
Wooff, G. F. B. (M)
Wywiorski, M. (A)
Yen, J. L. (A)

Trenton (BAY-8)
Hohnes, W. H. (M)
Mann, W. R. (SM)
Tiller, R. W. (A)
Turney, G. M. (A)
Walsh, J. J. (M)

Wallaceburg (L-SOW-8) Lawson, R. (A)

Waterdown (HAM-8) Pynn, R. D. (SM) Van Marle, J. C. (M)

Waterloo (H-KW-8)
Day, A. G. (M)
Difault, G. J. (M)
East, T. W. R. (SM)
Flumerfelt, L. R. (M)
Kadish, J. E. (SM)
Keeler, J. S. (M)
McCarron, J. J. (M)
McConachie, B. S. (SM)
Reesor, G. E. (M)
Samson, J. F. (A)

Welland (HAM-8) Blair, F.D. (A)

Wellandport (HAM-8) Matys, S. J. (M)

Weston (TOR-8)
Atiee, R. Y. (M)
Beasley, B. C. (M)
Dobbin, G. K. (M)
Healey, T. J. (A)
Mackett, L. J. (M)
Smith, J. E. (A)
Williams, H. S. (A)

Whitby (TOR-8)
Matthews, R. P. (SM)
Vogt, G. A. (M)

Vogt, G. A. (M)
Willowdale (TOR-8)
Ainlay, A. (SM)
Amitage, G. G. (SM)
Baldwin, J. O. (M)
Bedingham, G. M. (M)
Crouch, M. B. (A)
Davies, B. E. (M)
Eakins, J. R. (A)
Elliott, A. W. D. (M)
Giffin, P. A. (A)
Goldman, S. J. (A)
Hackbusch, R. A. (F)
Hanna, F. M. (SM)
Jordan, J. L. (M)
Kelk, G. F. (M)
Leaver, E. W. (M)
Le Page, R. W. (A)
McDowell, G. E. (M)
McLaughtin, G. H. (A)
Mounce, G. R. (M)
Palin, E. J. (SM) McDowelf, G. E. (M)
McLaughlin, G. H. (A)
Mounce, G. R. (M)
Palin, E. L. (SM)
Perrose, R. M. (M)
Piechota, A. (M)
Piechota, A. (M)
Richards, G. A. (M)
Simmonds, L. C. (VA)
Simson, J. R. (M)
Watt, C. M. (A)
Yachimec, P. (M)

Wilton Grove (LON-8) Smith, J. N. (A)

Smith, J. N. (A)

Windsor (L-SWO-8)
Campbell, L. L. (M)
Clark, R. A. (M)
Clark, R. A. (M)
Elvidge, R. E. (A)
Fletcher, H. R. (A)
Halas, E. (A)
Hitzeroth, E. J. (M)
Kiss, J. A. (A)
Marzotto, E. J. (A)
Merzotto, E. J. (A)
Rime, E. J. (A)
Rime, E. J. (A)
Rime, C. (A)
Tuba, W. C. (A)
Turik, M. (A)
Walker, G. B. (A)
Wood, R. D. (A)
Onville (TOR-8)
Ficely

Unloavine (TOR-8) Fischer, E. J. (M)

PROYINCE OF QUEBEC

Aylmer, East (OTT-8)
Belrose, J. S. (M)
France, J. R. (M)
Terrell, D. S. (M)
Wells, C. (A)

Baie D'Urfe (MON-B)
Booker, C., C. (A)
Rankin, T., G. (SM)
Whitmore, E., J. (SM) Wighton, J. J. (M)

Beaconsfield (MON-B)
Bell, J. W. (F)
Dobridge, R. W. (M)
Kipp, C. F. (A)
Mitchell, W. (M)
Theriault, E. E. (M)
Turnbull, J. A. (A)
Willows, D. J. (M)

Beaurepaire (MON-B) Liste, J. R. D. (M) Morrison, W. B. (M) Penton, R. E. (SM)

Bigras Island (MON-B) Altenbach, R. K. (M) Clarkson, L. (M)

Candiac (QUE-B) Barcelo, P. O. (A)

Cartierville (MON-B) Lurion, E. (M)

Charny (MON-B) Lacroix, D. R. (M)

Cote St. Luc (MON-B) Pascal, J. (A) Pullan, E. (M) Walsh, D. (A)

Cte Of Laval (MON-B) Smoller, R. G. (A)

Dorval (MON-B) val (MON-B)
Arena, G. (A)
Bartnikas, R. (M)
Coughlin, F. J. (A)
Cox, J. R. G. (SM)
Floyd, F. J. (M)
Gelhar, W. O. (M)
Hodgson, A. (M)
Inglis, J. B. (A)
Macleman, N. D. (M)
Scott, R. (SM)

Drummondville (MON-B)
Marceau, J. P. (M)
Mechas, M. G. (A)
McWilliam, E. A. (VA)
Millar, R. B. (A)
Payette, R. (M)

Duvernay (MON-B) Julien, G. J. C. (M)

Fabreville (MON-B) Van Manen, S. (M)

Granby (MON-B) uby (MON-B)
Henry, R. A. (M)
Jedrychowski, J. L. (SM)
Lambert, N. E. (M)
Steeves, D. M. (A)
Sterling, J. A. (A)
Ursano, A. (M)

Halet (OTT-B) Bellavance, F. (A)

Hamnstead (MON-B) Kingan, J.J. (SM)

Hudson Heights (MON-B) Summers, L. I. (M)

Hull (MON-B) Frechette, L. P. (M) McDowell, W. J. (M)

lle Perrot (MON-B) Baldock, R (M) Martin, R. E. (A)

L'Abord A Plouffe (MON-B) Aston, J. P. (SM) Chadwick, S. (M) Kennedy, A. E. (A) Neville, A. H. (M) Smith, G. C. (A) Tober, H. (M) Weytze, D. W. (A)

Lac Bouchette (MON-B) Ohnuma, H. (A)

Lachine hine
Clarke, J. L. (M)
Dinnin, A. J. (M)
Isaac, V. E. (M)
Kelsey, E. S. (SM)
Milne, A. F. (A)
Mulrhead, C. R. (SM
Plnnell, J. E. (M)
Walker, A. S. (M)
Wright, D. F. (M) (SM)

Lac St. Denis (MON-B) Lee, E. (M)

Lakeside (MON-B) Livis, M. J. (A)

Lauzon (MON-B) Pelletier, R. M. (A)

Laval West (MON-B) Baumans, H. W. (M)

Levis (MON-B) Bernler, J. (M)

Longueuil (MON-B) Paquette, A. (A) Robillard, P. A. (M)

MacDonald College (MON-B) Blevis, E. H. (M)

Marieville (MON-R) Bilocq, R. E. (A)

Mascouche (MON-B) Dixon, G. L. (M)

McMasterville (MON-B) Stirling, P, H. (M) Wood, H. H. (M)

Montreal (MON-B)
Adams, C. B. (A)
Adkar, C. K. (M)
Adker, E. (M)
Adler, E. L. (M)
Adler, E. L. (M)
Agnew, J. A. (A)
Allen, D. E. M. (M)
Allen, D. E. M. (M)
Allen, R. E. (A)
Amey, G. X. (M)
Archambault, G. (M)
Arshambault, G. (M)
Arshambault, G. (M)
Arshfield, J. C. (M)
Bably, J. (M)
Bably, J. (M)
Bably, J. (M)
Bally, F. A. A. (M)
Balley, G. J. (M)
Bantin, W. F. (M)
Baruth, F. T. (M)
Beriston, F. A. (M)
Beriston, F. (M)
Bridle, T. (M)
Bridle, T. (M)
Bridle, T. (M)
Bridle, T. (M)
Bombonnals, P. J. (M)
Bridle, T. (M)
Bridle, M. V. (A)
Breton, A. Y. (M)
Bridle, M. V. (A)
Breton, A. Y. (M)
Bridle, M. V. (A)
Breton, A. Y. (M)
Bridle, M. V. (A)
Brother, M. (M)
Cambell, A. F. (M)
Cambell, J. A. (SM)
Carty, D. G. (A)
Bridle, W. L. (A)
Bridle, W. L. (A)
Bridle, W. L. (A)
Brothers, W. E. (M)
Carty, D. G. (A)
Caruthers, W. E. (M)
Carty, D. G. (A)
Caruthers, W. E. (M)
Carty, D. G. (A)
Caruthers, W. E. (M)
Carty, D. G. (A)
Cartin, R. G. (M)
Chisholm, K. G. (M)
Chisholm, M. G. (M)
Chisholm, M. G. (M)
Chisholm, M. G. (M)
Chisholm, M. G. (M)

Forster, B. D. (M)
Fortin, C. (A)
Frenette, C. (M)
Frenette, R. H. (M)
Gagnon, P. (A)
Gaherty, W. D. (M) Gagnon, P. (A)
Gaherty, W. D. (M)
Gansathy, N. (M)
Gaon, D. (M)
Gaon, D. (M)
Gaothler, G. M. (M)
Gavsler, F. J. (M)
Germain, C. (M)
Gilmer, D. R. (M)
Gilmer, D. R. (M)
Ginsberg, G. (A)
Ginsburg, I. (A)
Gordon, K. I. (M)
Gorfinkel, G. G. (A)
Gravel, J. J. D. (A)
Gravel, J. J. D. (A)
Groome, G. L. (A)
Groome, G. L. (A)
Groome, G. L. (A)
Haberlin, R. O. W. (M)
Halliday, R. E. (A)
Hamilton, H. A. (M)
Hands, R. K. (A)
Hansen, A. K. (SM)
Harrison, B. M. (M)
Harrison, B. M. (A)
Harstock, B. (SM)
Harrison, B. M. (A)
Hatstock, C. (M)
Harrison, B. M. (A)
Harstock, B. (M)
Harrison, B. M. (A)
Harstock, C. (M) Harrison, B. M. (A)
Harrison, B. M. (A)
Harrison, B. M. (A)
Halzidakis, K. (M)
Hauck, H. G. (M)
Haworth, J. F. (A)
Hayers, J. E. (F)
Heckman, G. R. (M)
Helnes, J. M. H. (M)
Helnes, J. M. H. (M)
Helnes, J. M. H. (M)
Henry, C. (A)
Hings, H. J. (M)
Hobbs, N. M. (M)
Hobbs, N. M. (M)
Hobbs, N. M. (M)
Hobbs, N. H. (M)
Hobbs, N. H. (M)
Hobbs, N. H. (M)
Hobbs, N. H. (M)
Horlgan, E. W. (SM)
Horves, F. S. (F)
Hrybrijilw, W. (M)
Humble, C. W. , Jr. (A)
Humt, A. B. (SM)
Ingram, D. E. (M)
Jackson, J. E. (SM)
Jackson, J. E. (SM)
Jackson, F. C. (M)
Jamieson, F. C. (M)
Jamieson, F. C. (M)
Jamsens, F. C. (M)
Jamsens, F. L. (SM)
Jensen, T. (A)
Johnston, T. W. (M)
Jutting, W. C. V. B. (M)
Katz, J. (A)
Kingan, A. J. (M)
Kiliphuls, J. (M)
Kiliphuls, J. (M)
Kiliphuls, J. (M)
Kilnear, D. R. (M)
Kinot, R. S. (M)
Knox, J. B. (F)
Kobilin, S. (A)
Kruusement, J. (A)
Kubina, S. J. (M)
Kilnear, D. J. (M)
Laporte, J. M. (M)
Laporte, J. M. (M)
Laporte, J. M. (M)
Laporte, J. M. (M)
Lavery, D. J. (A)
Lees, K. C. (A)
Leeson, F. O. (M)
Lees, K. C. (A)
Leeson, F. O. (M)
Lees, K. C. (A)
Leeson, F. O. (M)
Leenwand, J. J. (M)
Maconald, F. X. (M)
Macolonald, F. X. (M)
Macolonald, F. X. (M)
Macolonald, F. X. (M)
Macolonald, F. X. (M)
Marshill, J. H. (M)
Marother, J. M. (M)
Mildeleton, L. (M)
Milde

Moen, H. P. (M) Moore, E. J. (M) Mowbray, D. R. (A) Murphy, P. E. (M) Nachfolger, N. (M) Nacholger, N. (M)
Nadon, L. (A)
Nagami, T. T. (A)
Nichol, D. W. (M)
Nichols, W. A. (F)
Nichol, D. W. (M)
Nichols, W. A. (F)
Nichols, W. A. (M)
Noyes, J. F. (M)
Noyes, J. F. (M)
Noyes, J. F. (M)
Noyes, J. F. (M)
O'Neill, G. A. (M)
Ornstein, W. (A)
Oxley, A. B. (F)
Pasoff, S. (M)
Patterson, R. M. (M)
Pauch, J. E. (M)
Pauch, J. E. (M)
Paul, K. R. (M)
Pedrosa, J. B. (M)
Pilbe, R. (M)
Pedrosa, J. B. (M)
Pilbe, R. (M)
Polly, J. (A)
Poonanski, Z. (M)
Provost, Y. (A)
Provost, Y. (A)
Provost, Y. (A)
Provost, Y. (A)
Pussley, J. D. (A)
Quinn, S. F. (M)
Redd, K. G. (M)
Reidy, M. G. (A)
Reilly, W. B. (A)
Rodd, D. G. (M)
Reidy, M. G. (A)
Reilly, W. B. (A)
Rodd, D. G. (M)
Rolland, S. F. (M)
Rodd, J. P. (M)
Rodnad, J. P. (M)
Rolland, S. F. (M)
Salmin, N. C. (M)
Salmin, N. C. (M)
Salmin, N. C. (M)
Salmin, R. L. (A)
Salvin, S. (A)
Sauchuk, J. M. (M)
Salmon, R. L. (A)
Salvin, S. (A)
Sauchuk, J. M. (M)
Schoner, B. (M)
Schoner, B. (M)
Schoner, B. (M)
Schoner, R. (M)
Sharofsky, I. P. (M)
Schoner, R. (M)
Sharofsky, I. P. (M)
Shout, A. J. (A)
Summer, R. (M)
Sibey, G. B. (M)
Silley, G. R. (M)
Willinott, R. C. (M)
Waren, F. G. R. (SM)
Waren,

Outremont (MON-B)
Blostein, M. L. (M)
Gentner, R. F. (A)
Malina, B. (M)
Pinsky, C. (A)
Slaven, L. (M)

Parent (MON-B) Forbes, J. M. (M)

Pointe Claire (MON-B)
Anderson, D. A. (SM)
Bond, D. W. (M)
Cameron, B. G. (M)
Collins, J. A. (M)
Curtls, R. W. (M)
Gissing, H. R. (SM)
Gregory, A. H. (M)
Holm, F. H. (M)
Lee, F. B. (SM)
Mackenzie, D. G. (M)
Miller, E. W. (M)
Muller, R. A. (SM)
Papouschek, F. (M)
Sutherland, J. G. (M)
Wells, A. F. (M)
Williamson, R. B. (M) Williamson, R.B. (M)

Port Alfred (MON-B) Gagnon, L. A. (M)

Quebec (QUE-B) ebec (QUE-B)
Boulet, L. (SM)
Chabot, M. A. (M)
Chabot, M. A. (M)
Chinnick, R. F. (M)
Cobb, W. B. (A)
Corbeil, M. J. (M)
Corbet, L. V. (M)
Cotet, L. J. (A)
Cotet, L. J. (A)
Courtenay, T. H. (M)
Dion, A. (M)
Evans, J. C. (A)
Giguere, R. (M)
Featherstone, J. W. (A)
Giguere, R. (M)
Guering, A. E. (A)
Guerblisky, A. (M)
Guevremort, J. U. (M)
Laflamme, A. K. (M)
Lefabore, R. (A)
Legare, G. (A)
L'Heureux, L. (M)
Masicotte, L. D. (M)
Moir, L. E. (M)
Mosi, L. E. (M)
Morewood, H. W. (M)
Nadeau, A. G. (M)
Paris, A. P. (M)
Park, K. R. (A)
Paul, R. A. (A)
Somers, H. (A)

Richelieu (MON-B) Davies , K. P. (M)

Rimouski (OUF-R) Ouellet, A.(M)

Riviere Ou Loup (QUE-B) Lavoie, L. (M)

Rosemere (MON-B) Dingwall, R. A. (M) Walsh, B. R. (M)

Rosemount (MON-B) Robinson, M. R. (A)

Roxboro (MON-B) Haddon, A. G. (M) Newton, K. G. D. (M) Roloff, W. T. (M)

Saguenay (QUE-B) Friedmann, E. (A)

St. Anne De Bellevue (MON-B) Birman, G. (M)

St. Antoine De Tilly (MON-B) Methot, F. R. (A)

St. Bruno (MON-B) Davis, J. F. (M) Despins, L. J. (A)

St. Eustache (MON-B) Gorman, H. (A) Hendrick, G. B. (M) Ramsay, J. F. (A) Reid, J. N. (A)

. Foy (QUE-B)
Baril, J. C. (A)
Beaulieu, J. A. (M)
Belak, M. J. (M)
Bobyn, E. J. (M)
Broughton, M. B. (M)
Dumas, J. E. (M)
Fortin, G. J. E. (A)
Gosselin, L. (A)
Larsen, R. S. (M)
Letarte, M. (M)
Park, W. J. (M)
Regniere, J. P. (A)
Vaillancourt, R. M. (A) Ste. Foy (QUE-B)

Ste. Genevieve (QUE-B) Haberl, J. F. (M) Kassner, M. H. (M) Leeuwen, A. V. (M)

Ste. Genevieve De Pierrefonds (MON-#)

Bailey, P. H. G. (M)

Radford, R. C. (M) Whittaker, J. A. (M)

St. Hubert (MON-B) Lindsey, G. R. (M)

St. Hyacinthe (MON-B) Leclerc . J . G . (A)

St. Jean (MON-R) Boutin, A. J. J. (M)

St. Jerome (MON-B) Rinfret, C. J. (M)

St. Lambert (MON-B) Lambert (MON-B)
Barrie, W. H. (M)
Ferris, H. A. (SM)
Hammond, R. E. (SM)
Matthews, H. W. (M)
Parsons, G. W. (M)
Roach, C. L. (M)
Rousseau, M. (M)
Solar, L. (M)
Watson, D. J. (M)

St. Laurent (MON-B)
Aasgaard, P. U. (M)
Bousfield, J. A. T. (SM)
Cahn, P. R. G. (M)
Dutkowski, W. (A)
Hanna, D. C. (M)
Leitch, D. H. (A) Leitch, D. H. (A)
Lumsden, R. B. (SM)
Pappas, N. J. (SM)
Rawlins, W. A. (M)
Semple, E. R. (M)
Wilson, S. S. (M)

St. Raymond (QUE-B) Cook, G. J. (M) French, R. (A)

Ste. Rose De Lavai (MON-B)
Prins, J. W. (M)
Robinson, H. A. (SM)
St. Sauveur Des Montagnes (MON-B) Jaderholm, H. W. (VA)

Ste. Therese De Blainville (MON-B) Farmer, E. W. (SM)

Senneterre (MON-R) Carroll, F. W. (M)

Seven Islands (MON-B) Van Egmond, J. (A)

Shawinigan (QUE-R)

Sherbrooke (MON-B) Beliveau, J. H. (A)

Sillery (QUE-B) ery (QUE-B)
Boisvert, M. (M)
Du Berger, P. (M)
Dure, J. D. (M)
Gagnon, R. (M)
Galbraith, D. S. (M)
Randoin, R. A. (A)

Sylvestre (MON-8) Warun, P. (M)

Terrebonne (MON-B) McKeon, R. M.(M)

Town Of Laval Islands (QUE-B) Rhodes, A. J. (M)

Town of Mt. Royal (MON-B) Cagney, T. A. (M) Desaulniers, R. R. (M) Foster, J. H. (A) Jackson, K. A. (SM) Pollock, B. N. (M)

Town of Pointe Claire (MON-8) Williams, F. F. (M)

Trois Rivieres (QUE-B) Audet, H. A. (M) Hamel, Y. R. (A) Laperriere, J. J. (M) Savard, J. F. (M)

Valois (MON-8) Rugg, H. H. (SM) Russell, W. D. (M) Whittaker, J. F. (M)

Vercheres (MON-B)
Dandois, G. P. F. (M)
Julien, M. J. R. (A)

Verdun (MON-B) Belanger, J. P. (A)
Bowie, P. G. (M)
Dumas, L. (M)
Parent, G. J. C. (A)
Redmond, G. W. (A)

Victoriaville (QUE-B) Langlois, C. M. (M)

Villo St. Martin (QUE-8) Walker, E. A.(A)

Pinnell, S. E. A. (M)

Ville St. Laurent (MON-B)
Cooke, R. W. (SM)
Doucet, M. (A)
Doutre, B. G. (M)
Gobell, C. E. (M)
Goulet, P. E. (M)
Mairet, G. F. (A)
Oakes, H. S. (A)
Robbins, M. A. (M)
Sankey, C. (A)

Vitte St. Michel (MON-B) McIlroy, C. J. (M)

Westmount (MON-B) Caswell, C. F. (M) Christmas, W. I. (M) Christmas, W. I. (M)
Dorey, J. D. (A)
Martin, G. H. (M)
Raynsford, R. P., Jr. (M)
Smith, P. D. P. (M)

Wastmounts (QUE-B) Kossatkine, I. (A)

Yamachiche (MON-9) Bird, C. H. R. (VA)

SASKATCHEWAN

Gull Lake (REG-B) Bartole, G. C. (A)

Limerick (REG-B) Hanson, D. W. (M)

Moose Jaw (REG-B) Gartner, B. L. (M)

North Battleford (REG-B) Sebulsky, E. (A)

Prince Albert (REG-B) Hansen, D. R. (A) Regina (REG-B)

gina (REG-B)
Brock, G. A. (A)
Cozine, L. V. (A)
Dean, H. C. (A)
Ferguson, G. E. (A)
Ferguson, E. M. (A)
Gjernes, E. M. (A)
Gjernes, E. M. (A)
Hawley, K. T. (M)
Hockin, W. J. (M)
Lewis, A. W. (A)
McBride, L. E. (M)
McKay, W. (M)
McMeil, J. M. (M)
Moyer, L. S. (M)
Savage, M. C. (A)
Savage, M. C. (A)
Smith, S. X. (M)
Sundeen, P. G. (M)
Un K. K. (M)

Rowatt (REG-8) O'Byrne , L . A . (A)

Saskatoon (REG-8) katoon (REG-8)
Gordon, D. A. (A)
Green, F. D. (M)
Hoskins, L. C. (M)
Kavadas, A. D. (M)
Michalenko, A. (M)
Moorcroft, D. R. (M)
Ratz, H. C. (M)
Wacker, A. G. (M)

Semans (REG-B) MacGregor, R.J.(A)

Weyburn (REG-B) Baker, K. D. (M)

YUKON

Watson Lake (NA-B) Svrcek, L. (A)

Whitehorse (NA-B) Parent, L. E. (M)

CANAL ZONE

Balboa Overby, H. A. (SM)

Cristobal

Brannan, F. T. (A)

Curundu Adams, C.W.(A)

Fort Amador Earl, E. O. (A)

Rodman Garos, S.J.(A)

CEYLON

Ambruae, D. C. (M)

Gnanalingam, S. (M)

Panadura Adikaram, K.B.(A)

CHILE

El Salvador Ribbeck, C. S. (A)

Punta Arenas Femenias, J. L. (A)

Santiago
Cerda, H. E. (A)
Collyer, J. H. (M)
Del Río, J. (A)
Hotuvia, F. A. (A)
Isely, F. C. (SM)
Vallarino, A. D. (M)

Vina Del Mar Brito Infante , J . M . (A)

COLOMBIA

Alzate, B. (M) Amore, I. (M) Arce, H. H. (M) Arce, H. H. (M)
Beeny, L. S. (SM)
Clavljo-j, L. G. (M)
Errante, E. P. (M)
Estevez, C. L. (M)
Florez, J. P. (M)
Fric, M. (A) Fric, M. (A)
Gabriunas, K. B. (A)
Garbrecht, F. S. (M)
Lopez-Aparicio, J. (M)
Neira-M, T. (A)
Ospina, A. (M) Owen, H. (A) Pick, L. M. (M) Reyes, J. H. (A) Scott, C. B. (M)
Smlth, D. L. (A)
Torres-Calver, C. A
Villegas-a, A. (SM)
Williams, J. H. (M) A. (M)

Cartagena Camacho, L. H. (A)

Medellin Nassar, J. E. (M) Orozco-c, G. (M) Vieco-b, G. (M)

Valle Ramirez-Saenz, A. (M)

COSTA RICA

San Jose Carazo-g, L.E.(A) Vargas-v, A.(A)

CUBA

Havana Arriaud , J. P. (F)
Barranco , A. A. (M)
Bode-c, M. (A)
Borden , F. W. (M)
Condom , A. S. (SM)
De Cubas , J. D. (M)
Estrada-Castro , C. J. (M)
Forest , O. J. (A)
Harris , F. (SM)
Leonard , R. B. (A)
Madarlaga , J. F. (A)
Magno , H. T. (SM)
Misner , P. E. (A)
Montes , J. V. (A)
Pages , E. V. (A) Amaud.J.P.(F) Montes, J. V. (A)
Pages, E. V. (A)
Pella, A. (M)
Rojas, H. D. (M)
Roth, M. C. (M)
Siddall, W. D. (A)
Torres-Ruiz, J. G. (A)
Valladares, J. A. (M)

Marianao Guiral , R . L . (M)

Oriente Reguera, J. J. (A)

Santiago de Cuba Meneau, A. (A)

CYPRUS

Bloom, R.A.(A)

CZECHOSLOVAKIA

Bena, J. J. (M)
Blecha, J. (A)
Cetkovsky, J. (A)
Horna, O. A. (M)
Savel, J. (A) Savel, J. (A) Sedmldubsky, Z (M) Snejdar, V. (M) Ulrych, M. (A) Vackar, J. F. (M)

DENMARK

Bagsyaerd Elnegaard, E. (A)

Copenhagen penhagen
Carstens, L. (M)
Christlansen, J. V. (M)
Fagt, B. (M)
Findal, P. (M)
Funch, O. (A)
Farn, C. (M)
Funch, O. (A)
Harman, W. W. (SM)
Jacobsen, H. V. (M)
Jorgensen, N. (M)
Kjaer, A. N. (M)
Koehler, R. L. (M)
Larsen, B. F. (M)
Larsen, S. E. (M)
Lund, C. O. (M)
Morch, V. H. (A)
Nielsen, B. A. (A)
Nielsen, B. A. (A)
Nielsen, B. A. (C. (SM)
Pedersen, S. A. C. (SM)
Pedersen, B. S. (A)
Rindbo-Petersen, E. (M)
Sorensen, E. (M)
Sorensen, E. (M)
Sorensen, E. (M) Carstens, L. (M) Sorensen, E. V. (A) Toft, S. C. (M)

Gentofte
Pederson, N.T. (A)
Syeneson, R.(M)

Glostrop Jensen, K.B. (M) Langgaard, E. (M) Norgaard, A.K. (A)

Hellenin Pedersen, G. (SM) Ring, O. (M) Rybner, J. (F)

Hillerod Christensen, O. (A) Ungstrup, E. E. (A)

Hojbjerg Ranfelt, V. E. B. (M)

Hvidovre Poulsen, S. W. 1. (M)

Kolding Rasmussen, K. (M)

Naerum Kiaer, V. (A)

Roskilde Christiansen, E. M. (A) Hansen, G. K. F. (M)

Saby Ragner, P. V. (M)

Struer Christensen, K.H. (A) Jensen, S.E. (M)

Taastrup Fabrin, K. W. (A)

Valby Nag, D. S. (M)

Virum Bruun , G , (SM) Jorgensen, B. (M)

DOMINICAN REPUBLIC

Ciudad Trujillo Obinger, G. H., Jr. (A) Valde, G. E. (M)

EAST CAROLINE ISLANDS

Truk Island Hammons, E. G. (A)

ECUADOR

Quito Barton . C . H . (M) Barton, C. H. (M)
Hussein, N. A. (A)
Jacobson, H. P., Jr. (SM)
Larson, A. G. (M)
Lintz, H. E. (M)
Rota, L. (M)

EGYPT

Alexandria Ahmed, A-L.1.(M) El-Sabbagh, H.H.(SM) Salem, I.A.(M)

Calro
Abd-El-Aziz, M. E. (M)
Abu-Kandeel, A. A. (M)
Abu-Zeld, M. M. (M)
Auer, S. (A)
Cassimatis, D. J. (A)
Constantinidis, G. (A)
El-Demerdache, A. R. M. (M)
El-Hadidy, S. A-W. (M)
El-Harty, A. K. (M)
El-Kashian, E. I. (A)
El-Kotoury, A. S. (M)
El-Said, M. A. H. (SM)
Ez-Eldin-Fouad, M. (SM)

Fahmy, A. I. (A)
Fahmy, M. N. I. (M)
Fathy, A. E-H. (A)
Grdseloff, L. (M)
Hassan, B. (M)
Hassan, B. (M)
Marmoud, A. A. (M)
Marmoud, A. A. (M)
Makmoud, H. M. (M)
Makar, R. T. (M)
Reda, M. S. (M)
Rlad, M. A. (M)

Giza Elssa, H.A.(M) Sourial, R.S.(M)

EL SALVADOR

San Salvador Richardson, A.S. (M)

ENGLAND

BEDFORDSHIRE

Bedford Kendall, J. T. (SM)

Luton Butler, J. S. (M) Youle, E. (M)

BERKSHIRE

Abingdon Cooke-Yarborough, E. H. (M) Fry, D. W. (M) Wells, F. H. (F) Westwood, D. (M)

Aldermaston Wharf Parry, R. Y. (SM)

Bracknell Stainthorpe, R. L. (M) Wood, J. (M)

Maldenhead Den Brinker, C. S. (M)

Newbury Brooke, H. A. (SM)

Reading Cresswell, J. V. (M) Simons, A. H. (SM)

Sunningdale Taylor, R. H. (M)

Wantage Cox, R. J. (M)

Windsor Sowerbutts, D. (M) BUCKINGHAMSHIRE

Bletchley Deards, S. R. (M)

Gerrards Cross Diver, F. G. (SM) Morton, H. B. (M) Pearce, A. F. (SM)

Great Missenden Reyner, J. H. (SM)

High Wycombe Ludgate, F. E. (SM) Simmonds, J. C. (A)

1ver Rhys-Jones, J. E. (SM)

Newport Pagnell Boswell, I. I. (A)

Slough Wilkins, A. F. (F)

Stoke Poges Ireland , G. R. (M) McLean , F. C. (SM)

Woiverton Bentley, J. W. C. (SM)

CAMBRIDGESHIRE

CAMBRIDGESHIRE

Cambridge
Beck, A. H. W. (F)
Bonem, Z. (M)
Cope, J. E. (SM)
Dalgleish, J. W. (SM)
Edwards, B. J. (SM)
Fuller, D. Q. (M)
Germany, L. W. (M)
Havranek, W. C. R. (M)
Jones, J. D. (SM)
Karp, A. (SM)
Loncarevic, B. D. (M)
Moullin, E. B. (SM)
Nelms, G. L. (M)
Potok, M. H. N. (M)
Pound, J. P. (M)
Rao, J. (M)
Rao, J. (M)
Ratcliffe, J. A. (F)

Connerton, C. D. (SM)
Griffin, R. E. (M)
McCarthy, A. A. (A)
McLauchlan, D. J. A. (M)
Summers, L. E. A. (M)
Leeson-Magry, A. J. (A) Staines Hollister, R. H. (A) CHESHIRE Herdman, T.L.(M) Abel-Harry, C. B. (M)
Adorian, P. (SM)
Barber, P. F. (M)
Barlow, D. (M)
Barlow, H. M. (F) Broadstairs Warr, H. J. J. (M) Saunter . H . D . (A) Roberts , W . G . F . (SM) Stanmore Harvey, J. R. (SM) Russell, C. R. (A) Barlow, D. (M)
Barlow, D. (M)
Barlow, H. M. (F)
Battison, J. H. (SM)
Bedror, J. H. (SM)
Bedror, J. H. (SM)
Bedror, C. H. (F)
Bevan, P. A. T. (SM)
Birch, D. A. (M)
Birch, D. A. (M)
Bishop, H. (F)
Black, C. P. (A)
Boyle, H. (M)
Brown, J. (SM)
Brown, R. C. (M)
Bryant, G. H. (M)
Bryant, G. H. (M)
Burzl, T. F. (M)
Burzl, T. F. (M)
Cotton, A. F. R. (SM)
Dawes, E. J. (SM)
Dawes, E. J. (SM)
Deal, A. W. (M)
Dent, F. D. (A)
Dument, V. (M)
Eally, L. W. Jr. (M)
Ellis, J. B. (M. (M)
Ellis, L. W. Jr. (M)
Farell, R. L. (M)
Farell, R. L. (M)
Farell, R. L. (M)
Failmer, H. (F) Cheadle Hulme Fleiding, E. A. (M) Bromley Kiryluk, W. (M) Stoner, C. R. (M) Cheltenham Stanwell Parnell, H. R. (M) Chester Coppack, K. N. (M) Fisher, E. C. (M) Christehurst Flschbacher, R. E. (SM) Francis, C. J. (SM) Simmons, B. D. (M) Kingswood Sunbury-on-Thames Irvin, J. L. (A) Evans, R. I. (M) Mellor White, G. J. (M) HAMPSHIRE Wallasey Brisbar, P. J. (A) Dover Smye-Rumsby, B.A.A.(M) Twickenham Andover Cook, K. L. W. (A) Gill, A. J. (F) Wembley Mace, D.G.W.(SM) Rubenstein, G.(M) CORNWALL Erith Giovanni, G.(A) Bournemouth Sleger, J. (SM) Fowev Sutherland, J. G. A. (SM) Farnborough Vedy , L . G . (A) Wembley Park Bray, W. J. (A) Crookham Kuypers, M. W. (M) CUMBERLAND Gillingham Hammond, E. R. (M) NORFOLK Farnborough Dale, T. G. M. (M) Hobday, S. W. (M) Jackson, W. R. (SM) Carliste Topping, J. (M) Gorleston-on-Sea Hayes Binyon, B. (SM) Maryport Elliott, I. (A) Rayment, K.I.(A) Great Yarmouth Dyson, A. A. (M) Omington Havant Harrison, K. W. (SM) DERBYSHIRE Rzymowski, E. (A) Lawrence, E. (SM) Saraga, W. (SM) Thomas, W. D. (A) Farrell, R. L. L. (M)
Faulkner, H. (F)
Finney, R. (M)
Fleming, P. A. (SM)
Fleming, P. A. (SM)
Foster, H. G. (SM)
Gann, G. D. (M)
Gibbon, C. P. H. (M)
Golfrey, S. S. (A)
Goldup, T. E. (F)
Greig, J. (SM)
Friffiths, W. H. F. (SM)
Griner, L. (M)
Halsey, J. E. (A)
Hamilton, D. (M)
Hasyan, J. E. (A)
Hamilton, D. (M)
Hasyan, J. E. (A)
Hondard, M. (M)
Hoadon-Armstrong, L. J. (SM)
Ho, C. F. (A)
Hong, F. L. (SM)
Ho, C. F. (A)
Hondard, R. R. W. (M)
Jasper, F. H. C. (M)
Jasper, F. H. C. (M)
Jasper, F. H. C. (M)
Jasper, F. H. (M)
Lamont, K. (M)
Lamont, K. (M)
Lawson, C. J. V. (M)
Lawson, C. J. V. (M)
Lawson, C. J. V. (M)
Mazur, S. S. (M)
Mazur, S. S. (M)
Mayer, C. J. (M)
Minton, M. (SM)
Morland, J. (M)
Morant, A. J. (M)
Morant, A. J. (M)
Morant, A. J. (M)
Morant, A. J. (M)
Page, D. F. (A)
Paynter, A. E. (M)
Paynter, A. E. (M)
Paynter, A. E. (M)
Rose, S. P. (A)
Stelley, B. J. (M)
Schwarz, H. F. (M)
Shefer, J. O. (M) NORTHAMPTONSHIRE Derby Buckland, V. (A) Headley Down Coursey, P. R. (A) Kingsthorpe Benham, C. M. (M) Kaye, J. B. (M) DEVDNSHIRE Portchester Rouse, F. W. D. (A) Sevenoaks Van Hasselt, M. (SM) Brixham Preece, K. E. (M) Kislingbury Gardner, F.(M) Portsmouth Bettinson, S. F. (M) Silvester, D. D. (M) Ashbridge, N. (F) Spagnoletti, P. H. (M) Devonport Fairfax, O, M, (SM) NORTHUMBERLAND St. Mary Cray Eckersley, P. P. (F) Southampton Keel, R. (A) Nowicki, J. R. (A) Newcastle-Upton-Tyne Paignton Macnee, D. H. (SM) Hare, J. (M) Hodgson, C. C. V. (M) Walmer Knight, S.G.(M) DORSETSHIRE Tadley Abercromble, S D. (SM) NOTTINGHAMSHIRE LANCASHIRE Ferndown HERTFORDSHIRE Hooper, J. L. (A) Beeston Morris, D. J. (M) Pollard, J. R. (M) Accrington
Bleasdale, J. (A) Aldenham Johnston, D. L. (M) ESSEX Radcliffe-on-Trent Douglas , A . (M) Chadderton Brooks, G. R. (M) Barking Bulgin, A. F. (SM) Barnet Capelli, M.P.(M) Wrede, D.F.(M) SOMERSETSHIRE Brentwood Gooday, R. A. H. (SM) Liverpool erpool
Brown, A. G. (M)
Chalmers, D. (A)
Falcon, G. L. (M)
Morris, I. G. (M)
Watkinson, F. (A) Boreham Wood Laverick, E. (SM) Weston-Super-Mare McCall, D.R.(M) Chelmsford Amsford
Amey, S. H. (A)
Anderson, E. W. (SM)
Cafferata, H. (M)
Chandra, A. N. (M)
Churchman, A. (M)
Cooper, V. J. (M)
Deeley, A. R. (M)
Fiocco, G. D. (M)
Forte, S. S. (M) STAFFORDSHIRE By Tring Station Silson, R.G.(A) Manchester
Bowden, B. V. (SM)
Brown, R. H. (M)
Carlisle, D. M. (M)
Cobb, J. W. (M) Cannock Wood Hatfield Millward, M. A. (M) Barrett , J . (M) Rugeley Kannan, S. (M) Hemel Hempstead Fiocco, G. D. (M)
Forte, S. S. (M)
Helsdon, P. B. (M)
Latham, C. (M)
Markenscoff, A. C. (M)
Parker, J. W. (M)
Rao, N. V. (M)
Smith, F. L. (SM)
Warren, K. A. J. (A) Cobb, J. W. (M)
Cutteridge, O. P. D. (SM)
Jackson, W. (F)
Searby, N. H. (SM)
Williams, F. C. (F) Hornby, F.R.(A) Stoke-on-Trent Gautby , H. R. B. (A) Hertford Parker, A. H. (M) Walsall Hardcastle , C . (M) Whitehead , E . A . N . (M) Hitchin Drmskirk Panagakis, H. (M) Hume . C . R . (A) Sowerby, J. M. (M) Wolverhampton Taylor, D. H. J. (M) Prescot Muir, L. M. (A) Chigwell Bulgin, R.A. (M) Hoddesdon Lyons, C. L. (SM) SURREY Roby Kirk, J. G. (M) Colchester Letchworth Howe, F. R. (M) Cartwright , J. R . (M) Lewis , F . J . (M) Banstead Smith-Rose, R. L. (F) Ulverston Oxley, R.F.(SM) Danbury Young, A. J. (M) Cheam Bond, W. (SM) New Barnet Starr, A. T. (SM) Shefer, J. O. (M)
Shefler, B. J. (M)
Sivagnanasunderam, T. (A)
Smith, C. W. (M)
Sodomsky, K. F. (M)
Spence, R. (M)
Spooner, F. E. (M)
Stary, C. H. (SM)
Straughan, T. A. (M)
Straughan, T. A. (M)
Straughan, T. A. (M)
Trim, R. W. (M)
Trim, R. M. (M)
Trim, R. M. (M)
Trim, R. M. (M)
Ullrich, E. H. (F)
Valder, F. L. (M)
Williams, G. M. E. (M)
Williams, G. M. E. (M)
Wynn, R. T. B. (SM)
Zacharov, B. (M) LEICESTERSHIRE Gidea Park Godbold, B. C. (M) Pitts, W. J. (M) Chessington Briggs, R. H. (M) Radlett Oadby Hedges, T. C. (M) Howse, H. A. G. (SM) Luskow, A. A. (A) Ball, L. F. (M) MIDDLESEX Coulsdon Clemett, C. J.(M) Brown, A. C. (M) Cade, C. M. (SM) Harris, K. E. (SM) Redbourn Knight , D . J . (M) Ashford Hawkes, R. C. (A) Croydon Booth, P. C. (M) Rickmansworth
Davidson, I. A. (M)
Montgomery, A. W. (F) Hornchurch Ringrose, J. W. (M) Enfield Ringham, G. B. (SM) leld
Ash, E. A. (M)
Lee, E. M. (SM)
Fleming-Williams, B. C. (SM)
Oldham, C. A. (A)
Rantzen, H. B. (SM)
Sly, R. J. (A) Dorking Jones, E. E. (M) Ilford Evans, V. O. (A) O'Brien, D. (M) Watts, T. B. (A) St. Albans Chaffey, R. (M) Esher Reeves, R. (SM) Stevenage Schotten, H.G.(M) Greenford Mac Lachlan, V. D. (M) Romford Stott, H. T. (SM) Farnham Clarke, G.F. (A) Dawes, T. J. (A) Parsons, A. N. (M) Ware Hicks, B. W. (M) Harrow Dawe, F. W. (M) Southend-on-Sea Clark, J. E. (SM) Northolt Welwyn Garden City Grenly , M . (A) Smith , A . A . (M) Weston , P . E . (M) Meakin, A. D. (M) Gui ldford Theydon Bols Roberts, R. S. (SM) Hayes Addle, R.W.(M) Rouse, J. A. (A) Williams, R. C. G. (SM) Northwood Dempsey, M. W. (A) Thorpe Bay Roberts , C . A . (A) Rodwell , W . E . (A) Hindhead Hounslow Hughes, R. (A)
O'Hanlon, D. M. V. (M)
Sullivan, R. W. J. (SM) Pinner Thurnell, D. P. (SM) Rowe, J. H. (M) KENT Kingston-on-Thames Kinross, R. I. (M) Beckenham Potters Bar Neill , S . F . M . (SM) Westcliffe-on-Sea Dastidar, P. R. (A) Crawley, H. J. (A) Kenton Bexleyheath Brown, D. C. (M) Bugeja, A. A. (M) Espley, D. C. (F) New Malden Hills, W. J. (M) Southall Burns, J. A. N. (M) GLOUCESTERSHIRE Bristol Ackroyd, J. (M)

- 560 -

Richmond Head, J. E. (VA) South Croydon

Carpenter, R. E. H. (SM)

Sutton Higham, E. H. (M) Wood, H. R. A. (M)

Tadworth Somerville, T. (SM)

Thames-Ditton Hersch, W. (M)

Tolworth Kerr-Waller, R. D. (M) Roberts, D. A. E. (M)

Hutcheson, P. (M Webster, A. (M)

Walton-on-Thames Budge, R. K. (A)

Weybridge Hansford, I. V. (M) Kelliher, M. G. (M) Pitman, D. A. (M)

Woking Gabriel, R.P. (VA)

Worcester Park Walker, T. H. (M)

SUSSEX

Crawley Elvy, M. T. (SM)

Goring-by-Sea Smale, J. A. (F)

Hastings Mortlock, A. (M)

Morthiam Roberts , A. R. V. (M)

Polegate Collins, R.G.(M)

Portslade-by-Sea Evans, S. B. (SM)

West Worthing Havranek, W. A. (M)

WARWICKSHIRE

Birmingham Allen, W. S. (SM) Jones, H. H. (A) Morrow, R. E. (SM) Truscott, D. N. (M)

Coventry
Boden, T. W. (M)
Booth, A. E. (M)
Crocker, C. H. (A)
Wilson, R. (A)

Kenilworth Keen, A. W. (SM)

Leamington Spa Montgomerie, G. A. (A)

Rugby Hibberd , R . G . (SM) Hulme , F . H . (M)

Solihull Maskell, W. A. C. (SM)

WEST SUSSEX

Worthing Payne, L. S. (F) WILTSHIRE

Devizes

Savage, W. B. (M) WORCESTERSHIRE

Smith, C. (A) Sturley, K. R. (SM)

Malvern Carter, R. H. A. (SM) Dummer, G. W. A. (SM)

YDRKSHIRE

Bradford Greenwood, S. W. (M) Patchett, G. N. (M)

Bridlington Sniedze, O. A. (A)

Leeds Brayshaw, G.9 . (SM)

Rotherham Smith, E. G. (M) Sheffield ffield
Bagshaw, G. W. (SM)
Benson, F. A. (M)
Cullen, A. L. (M)
Holroyd, W. H. (M)
Jurkus, A. P. (A)
Weislitzer, J. (M)

Shipley Vilipsons,J . (M)

Walshford Simms, T. C. (A)

Yarm-on-Tees Bloom, M. S. (M)

ETHIOPIA

Addls Ababa Desta, B. (M)
Gouin, P. L. (M)
Macfarlane, J. T. (M)
Mehta, B. B. (M)

FEDERATION OF RHODESIA AND NYASLAND

Salisbury Paterson-Jones, E. A. (SM) Reeves, J. M. (M) Stevenson, K. (M)

Zomba Davies, K. J. (M)

FINLAND

Helsinki Kanerva, D. (A)

Hyvinkaa Ivars, R. E. (M)

FORMOSA

Tatchung Bourret, P. L. (M)

TAIWAN Pan-Geo

Wang, C. (A) Chou, T. (M) Ong, H. (M)

Talper Kao, C. (M)

FRANCE ALPS MARITIMES

Annecy Friedrichs, G. (M)

ARDENNE

Tarze Oudard, A. (A)

CORREZE

Brive Roncler, R. (M)

JEAMONT

Dufossez Ducastel, G. (M)

LOIRET

Orleans Delvigne, A. F. (A)

LOT-ET-GARONDE Bordeaux

Duhamel, J. P. (A)

MEURTHE ET MOSELLE

Pont-A-Mousson Lemettre , R. J. (M)

RHONE

Lyon Biolley, E. J. M. (M) Dejardin, G. L. (SM)

SEINE

Antony Fromageot, A. P. A. (SM) Musson-Genon, R. P. A. (SM)

Bobigny Calon, A. E. (A)

Boulogne
Altman, F. J.(SM)
Brown, E. W., Jr. (M)
Derveaux, R. (M)
Elissen, K. E. (A)
Souriau, P. J. (M)
Teeuw, J. W. (A)
Williams, R. E. (M)

Bourg-La-Reine Brodin, J. (A) Gauvenet, A. J. (A)

Chatenay Malaby Robieux, J. H. (M)

Clamart Blassel . P. P. (M)

Clichy Warin, M. (A)

Colombes Cosnaed, F. F. (A) Duprez , J. L. (M)

Masson, C. M. (A) Namian, P. (A)

Fontenay-Aux-Roses Grivet, P. A. (A) Surdin, M. M. (SM)

Gentilly Beurel J. (A)

Issy-Les-Moulineaux Goudet, G. (SM) Voge, J. P. (SM)

Levallois Gandin, P. (A)

Malakoff Besson, P. (M)

Mentrouge Zwobada, R. L. (SM)

Neuilly Lebail, P. E. (M) Lochard, J. C. (M)

Nogent-Sur-Mame Clavier, P. J. (M)

Pantin Churg, E. (A)

Churg, E. (A)

Paris

Aigrain, P. R. (M)

Aisberg, E. (M)

Angot, A. (M. (SM)

Berthaud, M. C. (M)

Bloch, R. M. (A)

Bodez, P. M. (M)

Boudouris, G. (SM)

Boutry, G. A. (SM)

Bricaud, J. M. (SM)

Bricaud, J. M. (SM)

Chauchat, J. N. (M)

Chauchat, J. N. (M)

Chauvierre, M. (SM)

Covernia, C. (A)

Coutillot, E. P. (SM)

De Bozas, G. D. (M)

Deloraine, E. M. (F)

Oe Thomasson, M. M. L

Dreyfus, P. L. (A)

Esculier, G. G. (M)

Fabricant, P. (VA) М. L. (M)

Escurier, G. (M)
Fabricant, P. (VA)
Feissel, H. G. (SM)
Floquet, J. (A)
Fuks, A. (A)
Gaschi, J. F. (M)
Gaston, S. (A)
Gazale, M. J. (M)
Gerten, N. (M)
Gherman, J. (A)
Giboin, E. (SM)
Gibord, J. L. M. (M)
Guyot, L. F. (A)
Hammer, A. P. (A)
Hoffman, R. B. (SM)
Howninski, E. R. (M)
Huong, S. (A)
James, R. M. (M)
James, R. M. (M)
Karamberis, G. (M) Israel, R. (A)
James, R. M. (M)
Karamberis, G. (M)
Kelton, M. R. (M)
Labin, E. (SM)
Labin, E. (SM)
Labin, E. (SM)
Labin, G. J. (SM)
Lemonyez, M. J. (A)
Lestel, J. H. (M)
Levy, L. (M)
Levy, L. (M)
Ley, L. (M)
Lobe, J. M. (SM)
Morier, G. (SM)
Morier, G. (SM)
Morier, G. (SM)
Nozieres, H. (A)
Ortusi, J. A. (SM)
Palluel, P. C. (SM)
Palluel, P. C. (SM)
Porte, M. J. H. (F)
Robin, G. (M)
Samuel, S. (M)
Silleni, S. R. (M)
Sileni, S. R. (M)
Sileni, S. R. (M)
Sileni, S. R. (M)
Sileni, S. R. (M)
Sold (M)

Sokoloff, B. A. (A)
Sold, U. (M)
Sperring, F. E. (M)
Stevenson, L. A., Jr. (M)

Sulzer, H. G. (M) Sundt, P. C. (M) Touraton, E.R. (SM) Vassy, E. J. (A) Weill, H. (M)

Plessis-Robinson Weissfloch, A. J. (SM)

Puteaux Mimoun . G . L . (A)

Rosny Sous Bois Ferrier, P. A. (A)

Suresnes Gutton M. H. (A)

SEINE ET OISE

Brunoy Thun, R.J.(M) Chatou

Gilotaux P (M)

Chaville Saintesprit, G. L. (SM) Corkeil-Esconnes Behm , L . F . (A)

Garches Muller, J. J. (A)

Le Vesinet Bussat, R. M. A. (A) Piel, G. J. (M)

Mareil-Marty Berline, S.D. (SM)

Mames La Coquette Nill, A. A. (M)

Orsay Guenard, P. R. G. (F) Leblond, A. F. (M) Warnecke, R. R. (F)

Rueil-Malmaison Barret, J. P. (M)
Sauvanet, M. M. (SM)

St. Cloud Champeix, R.P. (SM) Deschamps, J. D. (M) Goublin, R.O. (A)

St. Germain-en-Laye Beurtheret, C. A. (SM) Raymond, F. H. (SM)

Sartrouville Baron . J. (M)

Taverny Comte, G. N. (M) Versailles De Coligny, G. (M) Durand, P. A. (M) Prache, P. M. (M)

Villiers Sur Marne Halbguerax, M. E. (M)

GERMANY

Backnang Koch, E. L. (SM)

Bayern Schuh, C. F. (A)

Beimerstetten Frundt, H-J. H. W. (SM)

In Fock, H. W. (A) Gundlach, F. W. (SM) Heyne, H. H. (SM) Hore, K. (M) Nestel, W. (SM) Ruhrmann, A. A. (SM) Zickermann, C. A. (SM)

Busch, C. W. (M)

Darmstadt Moller, R. (F) Walther, A. (SM) Zinke, D. (SM)

Duesseldorf Buetow, M. (A) Freiburg-Breisgau

Beuche, G.R. (A) Gottingen Meyer, E. W. (SM) Schnupp, P. (A)

Hamburg
Borgnis, F. E. (SM)
Joetten, K. K. F. (M)
Kroemer, H. (M)
Malifleu, G. A. (F)
Paehr, H. W. (SM)
Severin, H. K. F. (SM)

Hannover Klosz F. W. K. (SM) Schonfeld , W . H . (M)

Hessen Symons, W. E. (M)

Hildesheim Funck, H.E.(A)

Karlsruhe Rothe . H . (F) Koln-Mulhelm Horn, H. (F)

Konstanz Kleinsteuber, W. G. (SM)

Krefeld Effertz . F . H . (M)

Mannhelm Weiland, F. A. (A)

nich Fischer, K. (A) Gross, F. F. (A) Handleman, M. (M) Henrici, J. (SM) Klanka, N. (M) Kleen, W. J. (F) Knoll, M. (SM) Lusser, R. (M) Mustafa. K. (A) Mueller, R. A. (A) Peters, J. F. (SM) Piloty, H. T. (SM) Rohde, L. (F) Saal, R. S. (SM) Schultz, J. J. (M) Trentini, G. V. (SM) Munich

Numberg Hecker, W. (M) Matare, H. F. (SM) Pieplow, H. (SM) Unger, E. (M)

Dberpfaffenhofen Ulbricht, G. (M)

Porz-Rhein Riepka, H. C. (SM)

Ruesselsheim-Main Pfelfer, E. (A) Stuttgart-Zuffenhausen Piloty, R. (M)

Lilm-Donau I-Donau
Bruck, L. (SM)
Bruckmann, H. P. (SM)
Fraenz, K. O. (SM)
Grasselt, K-H. (A)
Hess, H. A. (M)
Kotowski, P. (A)
Runge, W. T. (SM)

Wetzlar Uebermuth, H. W. (M)

Wiesbaden Brod, F. W. (A) Heimann, W. (M)

Wildbahn Phillips, R. H. (M)

GREECE

Antonacakis, G. I. (A)
Antstogenis, G. S. (A)
Basbas, L. T. (M)
Cassapoglou, C. B. (M)
Chairetakis, E. P. (A)
Gogos, A. C. (M)
Economides, A. (M)
Karlambas, N. (A)
Katsaomis, P. C. (A)
Katsaomis, P. C. (A)
Mazarakis, A. (A)
Myoyannis, A. J. (M)
Papadopoulos, D. A. (S)
Perpinias, A. EM. (M)
Tsinteas, G. S. (A)
Vergis, M. (A) Athens . (SM)

Attica Soldatos, G. (M)

Canea Icihhakis, M.A.(M)

Corinthos Sazaklis, N. G. (A)

Egien Charalampous, T. D. (M)

Piraeus Dourvanas, S. A. (A)

Salonika Klaffas, G. Z. (A)

Thessaloniki
Papadopoulos, N. D. (A)
Stathopoulos, A. E. (A)

GHAM

Agana Belford, K.R.(A) Goodwin, C.E.(A)

GUATEMALA

Guatemala City Guaragna, L.F.(M)

HONG KONG

Hong Kong Ig Kong
Braude , A. N. (M)
Chen, Y. C. (A)
Cheung, W. S. H. (M)
Louttit, L. W. (A)
Luk, Y. K. (M)
Monfon, L. (M)
More, H. Y. H. (M)
Shum, Y. S. (A)
Zinky, W. R. (M)

Kowloon Cheng, C. C. (A)
Chui, T. Y. (M)
Hope, W. J. (A)
Hsu, H. (M)
Lee, T. Y. (M)
Shih, S. L. (M) Wu. R. S. (A)

HUNGARY

Budapest Egri, E. (A) Lajos, P. (A)

ICELAND

Akureyri Blaromundsson . 1. (A)

Hafnarfirdi Halldorsson, T.J.(A)

Keflavik Jonsson, S. G. (A)

Reykiavik Halldorsson, S. (M) Sonnenfeld, S. (A) Thorkelsson, S. (A)

INDIA

ANDHRA

Blhar ar Joshi, M. G. (M) Neogy, S. C. (A) Roy, K. M. (M) Sen, K. K. (M) Sinha, N. K. (M)

Kakinada Murty, G. N. (M)
Rao, V. V. L. (SM)
Satyanarayana, M. (M)
Subrahmanyam, G. (M)

Raiahmundry Chauhan, M. V. (M) Murthi, J. K. (SM)

Visakhapatnam Kurma, V. R. (A) Murty, D. S. (M) Rao, B. R. (SM) Rao, M. S. (SM)

BANGALORE

Bangalore galore
Chatterjee, R. (M)
Chidambaram, R. (A)
Gupta, P. P. (A)
Nagaraja, N. S. (M)
Prakash, K. S. S. (A)
Rajamani, V. S. (M)
Rawi, S. (M)
Rawi, S. (M)
Sharma, I. S. (A)
Sreenivasan, K. (SM)
Suryan, G. (M)

Basavangudi Rao, P. L. S. (M)

Jalahalli Baliga, B. V. (SM) Subramanlam, C. R. (M)

Malleswaram Chatterjee, S. K. (M) Naldu, M. K. R. (M)

BOMBAY

Ahmedabad Kotadia, K. M. (M)

Allahabad Ji, G. (A) Krishnaji (SM) Mukerjee, T. (A)

Baroda Contractor, S. N. (M) Sen, S. M. (M)

nbay
Agarwal, S. P. (A)
Benoalli, N. K. (M)
Bhatnagar, H. M. (M)
Billimoria, R. P. (A)
Conesa, R. (M)
Daruvala, D. J. (M)
Dastur, J. J. (M)
Candhi, C. D. (M)
Gandhi, C. D. (M)
Gillon, K. E. C. (A)
Huang, G. T. C. (A)
Husein, A. E. (M)
Kamat. V. Y. (M)
Kantebet, S. R. (F)
Katre, V. S. (A)
Lakhanpal, D. J. (SM)
Merchant, V. V. (A)
Mirchandani, I. T. (A)
Motwane, H. V. (A)
Pai, M. V. (A)
Pai, M. V. (A)
Pai, M. V. (A)
Pai, M. V. (A)
Sukhadia, P. U. (M)
Vaishampayan, R. K. (M) Bombay

Fort Bombav Gokam, G. D. (SM) Kohli, F. C. (M) Toshniwal, G. R. (SM) Jooeehware Telang, V. S. (M)

Vaishampayan, R, K, (M)

Nasik City Rajendra, Y. L. (M)

Poona Aiva . S . V . C . (SM)
Mishra , S . (A)
Prabhakar . A . (M)
Row , D . P . (SM)
Swaminathan , K . (A)
Virkar , D , V . (SM)

Kanitkar, G. C. (A) Raju, T. A. (M) Secunderabad Rao, H. J. (M)

Venkatraman, M. P. (M)

Langguth, P. O. (SM) Colmbatore District

Poliachi

lyer, S.K.(A)

Mercara Ponnappa, B. M. (M)

Delhi

Delhi Ramabhadran, S. (A) Tandan, S. P. (M)

Faridabad Balasundaram, N. (SM)

Dharwar

Paramasivayya, G.S.(M)

Godavary District

Raju, D. V. S. (M)

Kerala

Palghat Peter, J. P. (M)

Madras

Annamalalnagar Vijayaraghavan, K.(M)

Sitaram, R. (M) Sitharaman, M. R. (A)

Kombali Mohamed, M.K.(M)

Madras Patel, S. N. (M) Patel, S. N. (M)
Pattabiraman, J. (SM)
Ramachandra, M. (M)
Ramachandran, D. N. (A)
Saifuddin, (M)
Thangavelu, K. S. (M)

Nungambakam Belgamvala, M.K.(A)

Tiruchy Eugene, A. F. (SM)

Triplicane Rao, K. R. (M)

Madhya Pradesh

Bhilai Sardesal . S . N . (M)

Indore Jain, P. L. (M)

Jahalour Garud, G. N. (M) Ghose, A. (M) MIshra, N. K. (A) Mithal . G . K . (M) Pal , P . C . (M) Sarwate , V . V . (M)

Philai Mukerji, H. M. (SM)

Ralpur Shukla, R. S. (M)

Seoni Agrawal, J. P. (M)

Mysore

Belgaum Rao, K. V. (A)

Kathmandu Baidya, N. R. (M) Kanskar, K. R. (A) Singh, R. P. (M)

New Delhi

New Delhi
w Delhi
Bhatt, N. B. (SM)
Burmanray, P. N. (A)
Gangulry, S. K. (M)
Gangulry, S. K. (M)
Gohose, A. K. (M)
Joshi, M. V. (SM)
Wumar, V. (M)
Matange, N. D. (SM)
Peterson, P. R. (M)
Ramamurthy, T. V. (A)
Rao, K. L. (M)
Sachdev, D. K. (A)
Sant, M. D. (M)
Sivaswami, R. S. (M)
Subramanian, C. S. (M)
Tandan, R. K. (M)
Thacker, M. S. (M)
Vij, K. K. (A)
Wadhwa, L. K. (M) New Delhi

Ambala Puniab Circle Bhashyam, S.R. (SM)

Patiala Anand, V. B. (SM)

Rajasthan

Kotah Jn Vasantharajan, M. N. (M)

Chatteriee, A.K. (SM) Jain, J. D. (M) Singh, A. (SM) Wadla, B. H. (A)

Saharanpur

Roorkee Bhattacharlee, D. K. (A)

Rajkot Taneja , S. P. (M)

Travancore

Trivandrum Nair, P. R. (A)

Udyogamandal Ramani, R. V. (A)

Uttar Pradesh

Dehra-Dun Singh, R. V. (M)

Nair, B. K. S. (M)

Lucknow Chakravarti, S.P. (SM)
Joshi, C.P. (SM)
Madan, M.P. (SM)
Saxena, A.P. (M)

West Bengal

Calcutta
Banerjee, A. (M)
Chatterjee, S. D. (SM)
Correa, W. R. (M)
Kamat, D. S. (M)
Krishnaswami, M. S. (M)
Nadler, M. (M)
Nag, B. (A)
Pandle L. D. (A) Pandit, J. D. (A)

Pipiai, A. (A) Raha, H. N. (M) Seshadri, G. (A) Sweet, C. M. (M) Verma, J. K. D. (M)

Kharagpur Mullick, S. K. (A) Rajagopalan, P. K. (A)

Parganas Ghosh, S.R. (A)

Serampore Das, P. N. (M)

INDONES IA

Liong, L. K. (M) Samoen, M.SC.E.E. (M)

Diakarta Clapp, R. O. (M)

IRAN

Tehran ran Clement, P. F. (M) Evans, W. C. A. (M) Farman-Farmaian, C. (M)

IRAO

Bachdad Al-Rubayi, N. A. (M) Boghossian, A. B. (M) Siddiqi, M. I. (M)

IRELAND FIRE

Dublin
Ferguson, J. D. (SM)
O'Donnell, J. G. (M)
Poole, H. H. (A)
Seale, E. G. (A)
Slator, S. L. (A)
Smith, T. F. (M)
Williams, K. F. (M)

NORTHERN IRELAND

Belfast Allen, T. P. (SM) Kellway, B. J. (M) McBride, J. M. W. (SM)

Strahane Smyth, W. (A)

ISRAEL

Canoth near Gedera Eytan, K. (A)

fa
Anouchi, A. Y. (M)
Ariel, C. (A)
Baneth, M. (A)
Bekker, D. (M)
Cederbaum, I. (SM)
Dobkin, L. (M)
Elazari, H. (A)
Feld, R. (A)
Fischmann A. F. (I) Feld, R. (A)
Fischmann, A. F. (M)
Fuchs, A. (M)
Gull, U. (A)
Gur-El, A. S. G. (M)
Herzberg, E. N. (M)
Kazlansky, J. (M)
Katzenelson, J. (M)
Kluger, I. A. (M)
Lehman, M. (M)
Louis, S. (A)
Mass, J. (M)
Mass, J. (M)
Mayer, A. D. (A) Mass, J. (M)
Mayer, A. D. (A)
Merchav, S. J. (M)
Nathan, A. (SM)
Nizan, A. (M)
Ollendorff, F. (SM)
Paz, I. M. (M)
Politch, J. (A) Politch, J. (A)
Rosen, D. (A)
Rosen, D. (A)
Rubin, M. M. (A)
Shamir, J. (A)
Silberfarb, S. (A)
Suss, J. T. (M)
Weissberg, E. (M)
Wemer, M. (M)
Wulkan, A. A. (A)
Zaks, Z. W. (A)

Jerusalem Orbach, S. (M) Schorr-Kon, J. J. (M) Weinman, J. (SM)

Bar-David, I. (A) Bar-David, I. (A)
Bar-Mar, A. (A)
Brandman, Z. I. A. (A)
Burwin, E. (A)
Marlin, A. (M)
Schoen, T. E. (M)
Shekel, J. (SM)
Tkatsh, M. (M)
Zakhaim, M. (A) Ramat-Gan Amariglio, I. (A)

Ramath Hasharon Lubin, S. (SM)

Dehovoth Delson, J. K. (M) De Roos, R. (M) Frei, E. H. (M) Sivan, J. (M)

Rishon L'Zion Gitman, K.(M)

Tel-Aviv -Aviv
Adler, J. I. (M)
Boksenbaum, E. (M)
Bronstein, D. (M)
Deutsch, M. (M)
Hellinger, H. R. J. (M)
Kamil, T. (A)
Kelmer, Y. (M)
Kenner, Y. (M)
Lerner, T. (A)
Mydansky, D. (A)
Riesel, H. (A)
Schaerf, M. (M) Schaerf, M. (M) Segalov, E. (A) Silberfarb, E. (M) Sturlesi, B. E. (A) Tepper, L. (M) Winter, Z. (A)

ITALY

Alessandria Stanchi, L. A. (A)

Bologna De Castro , E . (A) Pierantoni , F . (M)

Firenze Grazioli, R. (A)

Florence Fagnoni, E.(A)

Genoa Maestrini, R. (A) Verdoni, L. G. (M) Dalla Volta, E. M. (A)

am
Arnold, J. B. (M)
Bacchini, C. (A)
Beltrami, A. (SM)
Cesa-Bianchi, D. A. (A)
Biondi, E. (A)
Borriello, L. L. (A)
Borsarelli, C. (M)
Calligari, S. (A)
Calogero, G. A. (A)
Carssa, F. (A)
Castellani, M. F. (M)
Cioni, G. (A)
De Dominicis, C. M. (A)
De Vito, G. R. (M)
Federici, M. (M)
Fiorentino, G. (A) Milan

Federici, M. (M)
Florentino, G. (A)
Florentino, G. (A)
Florani, V. (M)
Ghermandi, M. (A)
Ghersel, F. (A)
Guarracino, O. M. (A)
Guylielmo, G. (M)
Gurviz, A. A. (A)
Martinazzoll, A. (A)
Mieville, L. C. V. (M)
Monti-Guamieri, G. (A)
Palandri, G. L. (A)
Parenti, V. M. (M)
Pieri, A. (A)
Puccinelli, V. (A)
Quaglia, G. (A)
Quarda, P. (A)
Raffo, G. F. (A)
Schreiner, E. D. (M)
Stanghellini, F. (A)
Stanghellini, E. (A)
Stracca, G. B. (A) Stracca, G. B. (A) Tarchini, G. P. (A) Tchou, M. (M) Tescari, A.(A) Tomassini, E.V.(A) Trinchieri, M.G.(A) Vergani, A.(A)

Lombardi, M.(M) Tassi, D.(A)

Padova Cappuccini, F.(A)

Pisa Filippazzi, F. W. (A) Fubini, S. B. (A) Nicelli, L. (A) Tiberlo, U. (SM) Zibellini, A. F. (A)

ne
Allegri, G. A. (A)
Barzilai, G. (SM)
Bertolotti, S. (M)
Bonetti, T. (A)
Brunelli, M. (SM)
Ciceroni, S. (A)
Cimagalli, V. R. (A)
Corazza, G. C. (A)
D'Auria, G. (A)

- 563 -**NORWAY**

De Renzis, F. (A)
Ercoli, P. (M)
Francini, G. (M)
Gerosa, G. (A)
Greco, E. (A)
Koch, R. (SM)
Landesman, S. O. (M)
Lenst, E. (M)
Lensthy, A. M. (A)
Martino, R. L. (A)
Martino, R. L. (A)
Marzino, A. (A)
Mazzarella, M. (A)
Missio, D. V. (A)
Moricl, E. A. (M)
Pelli, G. (SM)
Peroni, B. (A)
Ruberti, A. (A)
Scuricini, G. B. (A)
Zenzicini, G. B. (A)

Torino Cattanes, E. (SM) Cattanes, E. (SM)
Comoglio, G. (A)
Derossi, A. D. (A)
Devalle, M. (A)
Egidi, C. (A)
Goffi, G. (SM)
Pinciroli, A. (SM)
Pinolini, F. (M)

Venezia Fabbro, P. D. (A)

JAPAN

Akasi lwasawa, H. (M) Owaki, K. (M)

Akita Katayama, A.(M)

Amagasaki City Kitsuregawa, T. (A)

Chiba City Ba City Kinase, M.(SM) Kobayashi, N.(A) Kogo, H.(M) Nakahara, F.(A) Saito, S.(SM)

Ehime Kumagai, T. (SM)

Hamamatsu City Matsumoto , K . (A) Okabe , T . (M)

Hiroshima Hoshika, Y. (A)

Hukuoka Oono , Y . (SM)

Hyogo-Ken Kida, Y. (A) Misugi, T. (M)

Maka-Gun Nomura, K. (M)

Kamakura Mains, M. C. (M)

Kanaqawa-Ken Makino, Y. (A) Okazaki, B. (A)

Kawasaki
Kawahashi. T. (SM)
Kumaqai. M. (A)
Morita. M. (A)
Numoto. M. (M)
Sawaii. Y. (A)
Takeuchi. Y. (A)
Yamazaki, T. (SM)

Kobe Nakagami, M. (SM)

Kumamoto-Shi Mizutami, M. (A)

to
Kitamura, Z. (SM)
Oaawa, T. (M)
Okura, T. (M)
Saburi, O. (M)
Takivama, K. (M)
Tanaka, T. (SM)
Tateisi, K. I. (M)

aka
Hata, S. (SM)
Havashi, T. (M)
Honda, T. (A)
Kimura, R. (M)
Kojima, Y. (SM)
Makimoto, T. (M)
Mikami, T. (M)
Minamoto, S. (M)
Miyakoshi, K. (SM)
Nagami, K. (SM)
Nagami, K. (SM)
Sugata, E. (SM)
Sugata, E. (SM)
Sugi, M. (A)
Suita, T. (M)
Tanaka, Y. (A)
Taniquchi, F. (M)
Terada, M. (M) Osaka

Ura, K. (M) Yoshimura, T. (A)

Saitama-Ken Yamazaki, M. (A)

Sapporo Suzuki, M. (SM)

Sendia Honda, N. (M)
Koike, Y. (SM)
Matsudaira, M. (SM)
Matsuo, T. (M)
Mushiake, Y. (A)
Nagai, K. (SM)
Nagai, K. (M) Nagai, K. (M) Nishizawa, J. (M) Oizumi, J. (SM) Saito, N. (M) Shibata, Y. (M) Uchida, H. (SM) Uda, S. (SM) Watanabe, Y. (F)

Tobata City Konomi, M. (A)

Tokushim-Shi Harada, N. (M)

yo
Abbe, R. (A)
Adachi, H. (A)
Akira, A. (A)
Aoi, S. (A)
Birkenhead, W. (M)
Endn, K. (A)
Ezce, H. (SM)
Fuiii, T. (SM)
Fuiii, T. (SM)
Fuiii, T. (SM)
Fuiii, T. (SM)
Fuiiki, S. (M)
Fukata, M. (M)
Fukata, M. (M)
Harashima, O. (SM
Hayashi, R. (A)
Hiraj, M. (M)
Hirayama, H. (A) (SM) Hriai, M. (M)
Hirayama, H. (A)
Hosono, T. (M)
Ibuka, M. (A)
Ieiri, S. (M)
Ieiri, S. (M)
Ieiri, S. (M)
Ikeda, K. (SM)
Ikegami, F. (M)
Ikegami, F. (M)
Ikegami, F. (M)
Ikegami, B. (A)
Imahata, K. (M)
Imayoshi, B. (A)
Inatsu, M. (A)
Inose, H. (M)
Ishikawa, D. (M)
Ishikawa, T. (SM)
Ishizaki, Y. (A)
Iwakata, H. (SM)
Iwama, K. (A)

Iwama, K. (A)
Kwasaski, Y. (M)
Kodakira, T. (A)
Kowasaki, Y. (M)
Kobayashi, K. (SM)
Kodaira, N. (M)
Koga, I. (F)
Koichibara, T. (A)
Komabyashi, E. (A)
Komdo, T. (A)
Komodo, T. (A)
Komodo, T. (A)
Komoura, S. (A)
Kumagai, Y. (A)
Kumagai, Y. (A)
Kumagai, Y. (M)
Kurihara, Y. (A)
Mirihara, Y. (A)
Mirihara, Y. (A)
Mirihara, Y. (A)
Misunoki, J. (M)
Matsumaru, K. (A)
Matsuyama, K. (A)
Misuna, F. (SM)
Minozuma, F. (M)
Mizukoshi, S. (A)
Miyalakwa, H. (M)
Mizukoshi, S. (A)
Miyalakwa, H. (M)
Mizukoshi, S. (A)
Mirimiya, T. (A)
Morimoto, S. (A)
Morimoto, S. (A)
Morimura, T. (A)
Morita, K. (SM)
Morita, K. (SM)
Morita, T. (A)
Morita, T. (A)
Nomina, S. (SM)
Nemoto, T. (A)
Nishino, O. (A)
Nishino, O. (A)
Nishino, O. (A)
Nishino, O. (A)
Nishiraki, T. (M)
Nishira, S. (A)
Nomura, T. (M)
Ogihara, Y. (A)

Ohashi, K. (SM) Okabe, T. (A) Okade, M. (SM) Okada, T. (A)

Okada, T. (M)
Okamura, S. (M)
Okamura, S. (SM)
Okochi, J. A. M. (M)
Omi, H. (SM)
Onoe, M. (M)
Onoe, M. (M) Once, M. (M)
Osafune, H. (SM)
Otsuki, Y. (M)
Owaku, S. (A)
Oyama, S. (A)
Richards, P. A. (SM)
Sakai, Y. (M)
Sakamoto, T. (SM)
Sassa, K. (A)
Sawada, R. (SM)

Sassa, K. (A) Sawada, R. (SM) Sawamura, I. (A) Sawamura, E. (A) Seki, H. (SM) Seki, T. (SM) Sekiguchi, T. (SM) Shibata, K. (M) Shimbori, M. (SM) Shimkay, R. (SM) Shimkay, R. (SM) Shinkawa, H. (SM)
Shinkawa, H. (SM)
Shinkawa, H. (SM)
Shinkawa, H. (SM)
Shinkawa, H. (SM)
Someya, I. (M)
Soto, K. (A)
Suzuki, K. (SM)
Suzuki, K. (SM)
Tayuchi, T. (A)
Takokoro, Y. (M)
Tayuchi, T. (A)
Takokana, S. (SM)
Takahashi, M. (A)
Takahashi, M. (A)
Takahashi, S. (M)
Takahashi,

Tufts, R. M. (SM)
Tukizi, O. (M)
Uchida, H. (A)
Uchimanu, K. (M)
Ugai, S. (M)
Ugai, S. (M)
Yagi, H. (F)
Yamashita, A. (A)
Yamashita, K. (A)
Yanai, H. (M)
Yasuda, I. (A)
Yokoyama, H. (M)
Yoshida, J. (A)
Yoshida, S. (A)
Yuhara, H. (M)

Yokohama Hayasi, S. (A)
lijlma, K. (M)
Kohno, S. (SM)
Matsuyuki, T. (SM)
Nishio, H. (SM) Sawazaki, N. (A) Suzuki, Z. (A)

JORDAN

Shaweesh, H. M. (M)

KOREA

Dale, P. R. (M)
Hwang, I. Y. (A)
Kim, K. R. (M)
Kim, M. K. (A)
Lee, C. H. (M)
Suh, D. U. (A)

LEBANON

Beirut rut
Hoffman, J. D. (A)
Kano, K. (M)
Koenreich, J. L. (M)
Lewis, R. H. (M)
Mobayed, L. E. (M)
Peterson, R. A. (M)
Regier, F. A. (M)
Tueni, J. A. (M)

Beyrouth Shouçair, S. F. (M)

Tripoli Skerrey, C. E. (M)

LIBYA

Tripoli Dvorak, C.J., Jr. (A)
Renhard, J.A. (SM)
Swift, R.R. (A)
Wildermuth, J.L. (M)

MALAYA FEDERATION

Kwala Lumpur Dhillon, G. Ş.(M)

Isherwood, C. F. (M) Min, A. V. K. (M) Munns, E. F. (M) Singh, K. (M) Stubbs, W. (SM)

Penang Hin, T. K.(M) Snowden, J.(M)

Singapore Tan, Y.S.(M)

MEXICO BAJA CALIFORNIA

Tiluana

Marquez, J. (M) COAHUILA

Sabinas Diego, J. M. (M) Rodriguez, E. (A)

FEDERAL DISTRICT

Mexico City xico City
Adame S., L. (A)
Angel-Fernández, M. (VA)
Arellano-Moreno, H. (M)
Arellano-Moreno, H. (M)
Arellano-Moreno, H. (M)
Barrio, F. D. L. P. (A)
Bonny, M. S. (M)
Caballero, C. A. (M)
Caballero, C. A. (M)
Chillowski, J. B. (M)
Chora, L. M. (M)
Cortes, G. C. (SM)
De Delara, G. K. (M)
Delahay, F. (A)
De La Herran, J. R. (SM)
Dieli, F. J. (SM)
Dieli, F. J. (SM)
Dieli, F. J. (SM)
Dieli, F. J. (SM)
Miguera-Mota, H. R. (A)
Hom, C. W. (F)
Jimenez L., E. (M)
Joaquin, D. S. (A)
Higuera-Mota, H. R. (A)
Hom, C. W. (F)
Jimenez L., E. (M)
Moraes, J. (M)
Marenco, E. G. (M)
Marenco, E. G. (M)
Moraes, J. (M)
Mortes, G. R. (A)
Moraes, J. (M)
Niteo, J. V. (A)
Nunez, C. A. (M)
Spoor, T. A. (M)
Spoor, T. A. (M)
Synot, H. B. (M)
Urutia, R. C. (A)
Van Lieshout, L. J. A. (SM)
Varuezet, M. (A)
Villa, A. R. (A)
Villa, Carrilla Carcano, M. (M)

Monterrey Buchwald, C. E. (SM) Noriega, J. M. D. (M)

HIDALGO

NUEVA LEON

Bezies-Skewes, E. (M)

VERA CRUZ

Poza Rica Ebergenyi B., A. (A)

MOROCCO

Marrakech Nadaud, C.A.(M)

Rabat Sabbah, J. (M)

Tangler Mellard, D. (A) Pugh, M. D. (M)

NETHERLANDS

Van Overbeek, A. J. W. M. (SM

Amsterdam
Bijl, A. (M)
Bresma, C. B. (SM)
De Bruyne, P. (A)
Lehmann, W. K. (A)
Schotel, G. (SM)
Van Duyne, D. M. (M)
Van Wijngaarden, A. (A)
Varékamp, J. F. (M)

Blaricum Siezen, G.J. (SM)

Ensing, L. (M)
Trivelpiece, A. W. (M)

Williams, H. P. (SM)

Eindhoven
Alma, G. H. P. (SM)
Breimer, S. (M)
De Miranda, J. R. (SM)
Dorqelo, E. G. (SM)
Graaff, B. (M)
Greefkes, J. A. (M)
Gysbers, J. R. (A)
Heijboer, R. J. (A)
Nijenhuis, W. (A)
Oolman, A. (SM)
Rangwalla, A. A. (M)
Rinia, H. (F)
Stumpers, F. L. H. M. (SM)
Tellegen, B. D. H. (F)
Ten Haaf, F. E. L. (M)
Thirup, G. (SM)
Verschuur, J. J. (M)
Zijlstra, P. (SM)

Leiden Seeger, C. L. (A)

Nijmegen De Miranda, H. A. (M) Van Vessem, J. C. (SM)

Nymegen Van Egmond, A.J.L.(M)

Degsigeest Hekster, S. (M)

'S-Gravenhage Gudmansen, P. E. (M)

The Hague
Bijl, P. C. J. (SM)
Barrow, B. B. (M)
Bartholome, P. J. (A)
Bekkering, D. H. (A)
Bloemsma, J. (M)
Blum, H. (A)
Bonghi, G. (A)
Clark, R. G. (SM)
Der Oorth, J. M. O. (SM)
De Voogt, A. H. (M)
Goldmann, A. S. (A)
Heeroma, H. H. (M)
Houtsmuller, J. (SM)
Janssen, J. M. L. (SM)
Staples, E. B. (SM)

Veldhoven Gradus, H. H. J. M. (M)

Voorburg Moran, J. F. (M) Van Berkel, P. L. M. (M) Van Nauta Lemke, H. R. (M)

Wageningen Samwel, J. A. (M)

Wassenaar Van Der Pol, B. (F) Vanduuren, H. C. A. (SM)

NETHERLANDS ANTILLES

Curacao Van Haaren, R. H. C. (SM)

NEW ZEALAND

Auckland Crawford, W. C. (A) Lawrence, L. J. (A) Mayo, L. E. (A)

Dunedin Martin, L. H. (SM)

Gisborne Paulson, E.J. (VA)

Wellington Henderson, B. G. (A)

NICARAGUA

Managua Guerrero , M . A . (M) Robinson , H . E . (M)

NORWAY

Bergen Bakken, O.(M) Hiis, P. T.(SM) Dahl, H.(SM) Mack, E.(M) Wessel-Berg, T. (A)

Blindern Nickelsen, J. C. (VA)

Steensen, S. A. (M) Lillestrom Eggestad, M. (M)

Konsberg

Jaeger, T. C. (A) Lied, F. (A)

Oslo o Bostad, J. (M) Fremming, H. O. (A) Gaudernack, L. F. (SM) Haraldsen, H. P. (M) Hisdal, B. J. (M) Hvinden-Haug, L. H. (M) Kulvik, E. (SM) Overby, H. (M) Rorholt, B. A. (M) Scheel, C. F. (M) Sem-Sandberg, S. (M) Snedkerud, O. T. (A)

Trondheim Engvik, S. B. (M) Tangvik, S. (M)

OKINAWA RYUKYUS

Naha Sakumoto, I. (M)

PAKISTAN EAST PAKISTAN

Dacca Ahmed, W.(SM) Nurullah, A.S.M.(A)

Raishahi Chowdhury, M. R. (M)

Hazara Sathar, S.A.(SM)

WEST PAKISTAN

Karachi rachi
Ayoob, A. S. (SM)
Chagla, H. R. (M)
Farooq, M. O. (M)
Hasan, S. (M)
Khan, A. R. (M)
Khan, F. A. (M)
Rafi, M. A. (M)
Ruif, A. (M)
Ullah, I. (M)
Yousafi, K. N. (M)

Rawalpindi Haq, S.(M) Karimi, A. A.(M)

PERU

110 Berrevoets, G.J.(A)

a Canese, O.R.(A) Gonzalez, A.M.(M) King, D.W.G.(M) La Pierre, V.M.(SI Woodman, R.F.(M) (SM)

Talara Sekimotto-Pinillos, R. A. (M)

TruJillo Balstey, B. B. (M)

PHILIPPINE ISLANDS

Baguio Aguinaldo, P. A., Jr. (M) Glover, F. N. (M)

Cagayan de Oro City Lim, M. (M)

Davao City Obra, R. S. (A)

Dumaguete City Bercovitz, N., Jr. (M)

illa Aguinaldo, J. A. (A) Bentley, A. D., Jr. (M) Bethel, C. D., Jr. (SM) Gamboa, A. C., Jr. (A) Hidalgo, M. T. (M) Picornell, J. J. (M) Reynolds, R. A. (A)

Quezon City Albarracin, M. B., Jr. (M) Yogore, M. G. (M)

San Juan Ozaeta, E. H. (A)

POLAND

Warsaw Auerbach, J. E. (A) Barwicz, W. (A) Czechowski, A. (A) Groszkowski, J. (M)

Hennel, J. (SM) Kiernozychi, L, (A) Ryzko, S.(A) Smolinski, A. K. (SM) Wojnar, A. (A)

PORTUGAL

Lisbon Chapin, C.J.(M)
Chubbuck, E.L.(M)
Da Cunha, A.M.C.(M)
De Bivar, A.M.B.(SM) De Figueiredo, R.J.P.(M) Esten, P. W. (SM) Fernandes, A. A. D. (M) Victorino, J. M. C. (A)

Portuguese East Africa Davis , D . A (M)

PUERTO RICO

Arecibo Mercado, T. (M)

Bayamon Boyd, L. K. (SM) Moreno, M. (A)

Guayama Blondet-Bloise, L. (A)

Hato Rey Hester, F. A. (SM) Serra, M. A. (A) Weed, A. C., Jr. (M)

Mayaguez Dueno , B. (M) Fiol , L. E. (M) Fischbach-Nazario , H. (M) Garcia de Quevedo, J. L. (SM

Playa Ponce Castillo, E.A. (A)

Rio Piedras Arce-Blanco, R. (M) Castanera, J. R. (M) Mercado, C. R. (A)

San Juan Juan Acosta, R. J. (M) Firpi, A. (M) Gedney, G. C. (M) Jones, T. L. (M) Mayo, G. A. (A) Negroni, J. A. (M) Perry, R. P. (A) Ryssy, J. W. (M)

Arzuaga, J. (M) Cortes-Vazguez, R. Petersen, R. L. (M) Rivera, C. R. (A)

Vieques Flanagan, J. R (M)

REPUBLIC OF PANAMA

Panama City Chu, M. (A) Rivera~Cardona, B. A. (M)

RUMANIA

Bucharest Tanasescu, T. A. (SM)

Bucuresti-Margurele Toma, V. I. (M)

SAUDI ARABIA

Barnes, L. (M) Muelter, E. H. (SM) Rieg, R. V. (M) Stilley, J. C. (M)

Kuwait Khalil, A. Y. (A) Mahmoud, M. A. (A)

SCOTLAND

Aberdeen Stocker, G. A. (M)

AYRSHIRE

Carcluie Rodger, J. B. (A)

EAST LOTHIAN

North Berwick Oliphant, A.J.(M) Oliphant, W.D.(SM)

FIFE

Rosyth Welling, A.J.(A)

St Andrews Campbell, C. K. (M)

LANARKSHIRE

Glasgow Chamberlain, E. (A) Eaton, J. C. (M) Howe, G. W. D. (F) Maclean, D. J. H. (M) Weaver, C. (M)

MIDLOTHIAN

Edinburgh nburgh
Bruce, D. C. (M)
Charleson, W. A. (A)
Conner, C. I. (M)
Mascall, A. L. (M)
Pringle, R. W. (SM)
Small, J. E. (M)

RENFREWSHIRE

Greenock Tait, J. S. R. (A)

SPAIN

Barcelona Celona
Lopez, F. C. G. (A)
Owen, K. (M)
Pascucci, A. (SM)
Zobel, E. V. (M)

Madrid drid
Colino, A. (SM)
De Onis, A. (M)
Escolano, M. (M)
Escolano, M. (SM)
Gavilan, E. E. (A)
Herrero, M. C. (SM)
Izquierdo, L. E. (M)
Marin, H. (A)
Millan, A. (M)
Santesmases, M. I. (A)
Sowell, P. W. (M)
Williams, J. R. L. (M)

Sauras, P. P. (M)

STRAITS SETTLEMENTS

Singapore
Boyer, F. A. (SM)
Dyson, G. N. (M)
Hock, T. C. (MD)
Thompson, J. G. (M)
Trafford, W. (M)

SUDAN

Khartoum Bunyan, S. A. (A)

SWEDEN

Alvsbyn Joste, S. V. (M)

Olsson-Seffer, R. (A)

Bjornstorp Gyllenkrok, T. G. (A)

Bofors Gertzell, S. G. (A)

Bromma Ferner, E. J. U. (A)

Danderyd Schleimann-Jensen, A. (F)

Enskede Axeling, G. S. (M) Edsman, K. S. (M)

Erstavikvagen Lundgren, E. H. (A)

Farsta Magnusson, B. G. (M)

Goteborg
Ekelof, S. (SM)
Heyman, B. (M)
Lundwall, B. H. (A)
Roff, A. (M)

Gothenburg Aurell, C. G. P. (M)
Hellstroem, P. G. (A)
Olving, S. (M)
Orhaug, T. A. (M)
Ots, A. (M) Stomberg, A. V. (M)

Haegersten Person, L. B. (M)

Johanneshov Sparrendahl, G. E. W. (A)

Kryssarvagen Brundin, B. H. E. (A)

Lidingo
Dalen, G. S. (M)
Friden, S. G. (A)
Granqvist, C. E. (F)

Hakansson, P. D. E. (A)

Jiewertz, B. (M) Jiewertz, B. (M)
Lofgran, L. E. (M)
Norrelgen, G. A. (A)
Scholdstrom, R. K. O. (A)
Solders, P. G. (A)
Stannow, J. C. (A)
Westerhult, B. C. O. (A)

Linkoping Hellgren, G. P. (M) Perers, O. F. (M)

Malmo Ljungman, N. H. (M) Romell, G. D. R. (M)

Hoglund, J. B. (M) Yngvesson, Y. K. D. (M)

Norrkoping Braune, E. H. J. (M) Werthen, H. L. O. (M)

Orebro Hartman, D. A. B. (M)

Roslahs-Nasby Markesjo, G. A. (A) Nyberg, S. L. (A) Viggh, M. E. (A)

Solna Haard, B. (M)

Stockholm

ckholm
Ahlgren, S. 1. (A)
Alfven, H. O. (G. (SM)
Alfven, H. O. (G. (SM)
Algoisson, L. (A)
Andersson, K. N. (A)
Andersson, K. N. (A)
Andou, L. A. (M)
Arosenius, L. T. H. (A)
Backmark, N. (M)
Behr, K. E. (A)
Blomberg, K. H. (F)
Ehnborg, A. V. (A)
Elfving, A. L. (M)
Enander, B. N. (A)
Fagerlind, S. G. (A)
Granler, S. G. (SM)
Gustafsson, L. (M)
Hansson, H. W. (M)
Houbaer, A. J. (A)
Josephson, B. A. S. (M)
Karlstedt, L. (A)
Karlstedt, L. (A)
Karlstedt, L. (A)
Karlstedt, C. (M)
Lindstrom, G. (M)
Lofgren, E. O. (SM)
Martensson, I. (M)
Nerland, G. (M)
Nerland, O. (A)
Nerland, C. (A)
Nerland, R. H. (M)
Nerland, O. (A)
Norby, H. J. (A)
Norby, H. J. (A)

Nilsson, B. N. A. (A)
Norby, H. J. (A)
Norby, H. J. (A)
Olvzik, S. O. (A)
Olszanski, H. (M)
Dverby, S. L. (SM)
Palmblad, B. (A)
Persson, I. (M)
Persson, T. P. (A)
Ramskold, O. S. H. (A)
Ridderstrand, L-G, I. (A)
Sivers, C. H. V. (SM)
Stemme, E. (A)
Styren, K. (M)
Svala, C. G. (M)
Tommer, S. J. A. (M)
Vos, M. (SM)
Wahlstron, G. (A) Vos, M. (SM)
Wahlstrom, G. (A)
Warring, S. E. (M)
Weidstam, E. (SM)
Westerberg, K. S. R. (A)
Wikland, T. E. (A)

Stocksund Feichtinger, A. F. (M)

Vallingby Mollfors, H. G. (M)

Viggbyholm Bergstrom, R. G. (A)

SWITZERLAND

Baden Haffter, T. F. (M)

Basel Fenyves, F. L. (SM) Hagger, H. J. (M) Huber, P. K. (A) Thalmann, V. (A)

Berne
Anselmi, S. C. (M)
Bachmann, A. E. (A)
Diggelmann, H. (M) Gerber, W. (M) Rathe, E. J. (M)

Burgdorf Menzi, H. U. (M)

Chateau-d'Oex Roch, A. A. (M)

Ennetbaden Mueller, A. V. A. (M)

Frauenfeld Baumer, H. S. (M)

Geneva reva Cheretakis, A, P, (A) Fischer, J. (M) Goaver, J. H. (SM) Goldberg, R. (A) Gracie, J. A. (SM) Gross, G. C. (F) Kirztein, P. T. (K) Mussard, M. E. (A) Petermann, L. A. (SM) Sundaram, V. (M) Svoboda, J. J. (M)

Svoboda, J. J. (M)

Hegnau Gloor, B. (M)

Kanton Zug Mathias , J. M . (M)

Kilchberg-ZH Kaufmann, P. (M)

Kloten Holtz, R. F. (SM)

Lutry-Lausanne Demieville, H. (M)

Luzern Margna, C. R. (M) Mannedorf Brumm , G. (M)

Muri-Bem Epprecht, G. W. (M)

Neuchatel Bonanomi, J. A. (M) Christeler, A. (M) Gsteiger, K. E. (M)

Nussbaumen Weiss, H. (A)

Diten Lang, G. J. (M)

Urdorf-ZH Braun, A.F. (M)

Uster Gibas, H. A. S. (SM)

Wabern Kilchenmann, K. (M)

Wettingen Neck, H. (M)

Wettswll

Molinari, H. A. (M)

Winterthur Druey, W. (SM) Zollikerberg Keller, J. (A)
S hiess, G. (M)
Stutz, T. O. J. (A)
Sulzer, R. F. (M)

Kistler, R. J. (A) Van Der Lans, J. H. M. (M)

Baumann, E. (SM) Baumann, E. (SM)
Baumgartner, R. H. (A)
De Quervain, A. P. (M)
Furrer, F. E. (M)
Gaumann, T. (M)
Guanella, G. (SM) Guanella, J. (SM)
Gurewitsch, A. M. (SM)
Hayes, L. W. (F)
Hirt, K. (A)
Klein, A. L. (M)
Kinberg, C. (A)
Klein, A. L. (M)
Kinberg, C. (A)
Klein, A. L. (M)
Mordby, K. S. (A)
Oertil, E. H. (A)
Proebster, W. E. (A)
Ruth, L. C. (M)
Schlaeppi, H. P. (A)
Schneider, M. V. (M)
Spelser, A. P. (SM)
Staub, F. (A)
Strobschneider, W. (SM) Staub, F. (A)
Strohschneider, W. (SM)
Strutt, M. (F)
Stuber, R. (M)
Sun, S-F. R. K. (SM)
Tank, F. (F)
Walder, E. (M)

Weber, G. C. (A) Weinberger, I. (A)

Wohler, G. O. (M)

TAHITI

Paneete Baker G R (M)

TANGANYIKA

Dar Es Salaam Greig, C. (M)

TASMANIA

Kingston Beach Roberts , R . F . (M)

THAILAND

Bangkok Bintasan, L. (A) Chitinanda, P. (M) Makino, Y. (M) Muangphant, C. (M) Tantrapom, V. (M)

TURKEY

Ankara Argon, B. R. S. (M) Esmer, M. (M) Parlar, M. N. (A)

Apaydin, P. (A)
Ataman, A. (M)
Ozker, T. (SM)
Septekin, T. (A)
Turham, M. (M)
Uzgoren, F. (A)

UNION OF SOUTH **AFRICA**

BELGIAN CONGO

Leopoldville Rouche, N. (M)

Sona Bata Franke, G. S. (M)

CAPE OF GOOD HOPE

Capetown Dunbar, J. (A) Gilmour, R. R. (SM) Lennox, C. H. (M) Mlles, V. G. (M)

Grahamstown Stack-Forsyth, E.F. (SM)

Stellenbosch Olen , C . L . (A)

Worcester Smuts, M. N. (A)

NATAL

Durban Chapson, E. (A) Phillips, W. E. (SM)

Stanger Karodia, A. M. (A)

ORANGE FREE STATE

Kimberley Morris, H. R. (M)

TRANSVAAL

Johannesburg
Bichara, M., R., E., (A)
Brickhill, G., A., (A)
Jacobs, A., J., (M)
Jamleson, R., T., (M)
Kucera, F., L., (M)
Lichtenstein, A., H., (A)
Silbermann, H., (SM)
Sive, F., (A)
Sutner, R., (M)
Van Gogh, W., D., (M)

Macnamara, M. R. H. (A)
Matan, D. G. (M)
Zawels, J. (SM)

URUGUAY

Montevideo
Elices, F.J. (M)
Guimaraes, A. (A)
Moran, W.F. (M)
Sapelli, W.J. (A)

U.S.S.R.

Leningrad Shmakov, P.V.(A)

Moscow
Denisenko, I. N. (A)
Efimov, E. A. (A)
El Meshad, Y. A. (A)
Kostanjanz, B. A. (A)
Martjushov, K. I. (A)
Novakovsky, S. V. (SM)
Słokkin, A. I. (A)
Sobolev, M. A. (A)

Sorokin, A. A. (A) Zahvatoshin, K. V. (A)

VENEZUELA

Cabimas Kirk, W. (M)

Cabimas
Kirk, W. (M)

Caracas
Alamo-Segovia, J. A. (M)
Applewhite, V. C. (M)
Arreaza, R. C. (M)
Barlas, J. P. (M)
Barles, J. P. (M)
Charfole, R. O. (A)
Cohen, L. D. (A)
De La Roca, G. R. M. (M)
Efuseson, J. I. (SM)
Fonseca, N. J. (M)
Fuerst, L. L. (SM)
Gall, F. (M)
Giovacchini, O. (A)
Graham, F. A. (M)
Guia-Monasterlo, A. E. (M)
Hacket, A. H. (M)
Hadest, A. H. (M)
Hodgson, A. D. (SM)
Jacir. S. E. B. (A)
Jimenez-Michelena, L. G. (SM
Key-Tejera, E. G. (A)
Lopez, L. A. (SM)
Nikken, P. H. G. (SM)
Pachano, P. I. (A)
Rios, E. E. (A)
Salz, H. (A)
Surez-Flamerich, O. (M)
Vicoa, A. (G)
Virgalt, M. (A)
Warnek, R. G. (M)

Wartes, L. M., Jr. (A) Wehrman. R. J. H. (A) Wenzel, G. E. (A) Woodworth, F. B. (SM)

Chacao Siblesz, G. M. (A)

Laguaira Nouel, C.C.(A)

Maracaibo Christie, G. A. (A)
Grove, R. E. (M)
Hinds, W. C., Jr. (M)
McBain, H. F. (M)

Maturin Persons, C. O. (M) Vehrs, D. F. (M)

Merida Huerta, A. F. (M)

Petare Mireles, A. (M)

Zulia Tedodri, D. C. (A)

WALES

Colwyn Bay Whale, G, S.(M)

YUGOSLAVIA

Ljubljana Bremsak, F. (M)

Zagreb Albert, V. R. (M)



HELPFUL HINTS

for using the IRE DIRECTORY

A few minutes' study of the basic layout of the IRE DIRECTORY will help you to find the information for which you are looking more quickly and more accurately. At first glance, the IRE DIRECTORY may seem to be confusing, but by using the various portions of the book as listed below, you will find your way around easily, and will discover that it is actually a very simple arrangement, and a much more logical one than a purely alphabetical terminology listing.

PINK SECTION at the front of the products and firms section contains a terminology index listing every product, major and minor, for which a list of manufacturers is given. Page numbers refer you to the page on which the listings for that product begin. Following this alphabetical index is a copy of the questionnaire which is sent to the firms who have furnished us with product information. A quick look through this questionnaire will help greatly in understanding the product arrangement. At the top of the first page of the pink section is a small index referring you to the opening page of the complete-data spread section, the alphabetical directory, and each of the three product directories.

THE COMPLETE DATA SPREAD SECTION (pages 1-160) contains product advertisements of great usefulness to the reader. Most of these advertisements are two pages or more, and all of them contain complete information on the products manufactured by the advertising firms—specifications, prices, illustrations, and suggested applications.

ALPHABETICAL DIRECTORY OF MANUFACTURERS (pages 161-264) contains a list of 4,304 firms representing the majority of buying and selling power in the radio-electronic industry. Each firm listing contains the complete malling address and telephone number for the firm. Following the state name in the firm address, a list of code numbers is given. These numbers refer to the 102 major products listed in the book (for quick reference to the meaning of the codes, use the question-naire form in the pink section).

THE THREE DIRECTORIES OF PROD-UCTS ARE:

- 1. Complete Equipment
- 2. Components
- 3. Materials and Services

This breakdown into three directories saves you from traveling through many products in which you are not interested at the moment, and helps you to turn immediately to the listings for the type of product you want, following a straight line to your destination. Use the Machol edge index at the top of the first page of the pink section to locate immediately the first page of the appropriate directory, then use the Machol edge index at the beginning of each directory to find the specific product you want. You don't even have to know the page number—the index will find it for you automatically!

102 MAJOR PRODUCTS are listed within these three Directories. Each product listing contains a number of sub-headings so that you may know specifically what each firm makes. To interpret the code numbers shown after each firm's listing, consult the first page of that product class, where the sub-headings are defined. You will note that advertisements are positioned throughout the book in the most appropriate listing section, so that the advertisement for a relay manufacturer will appear in the relay section, to help you with further information on his product. Every advertiser's listing shows you the page number on which his advertisement may be found, and you will derive more value from this book if you consult these advertisements for facts you cannot find in the listings.

COMPLETE ADDRESS LISTINGS are given only for advertisers in this section. If you wish to locate the address and telephone number for any other firm, it will be necessary to use the alphabetical directory.

THE DISTRIBUTION SECTION is class 102, the last class in the book. This section contains a list of 1399 manufacturers representatives, distributors and jobbers, grouped geographically. See page 702 for a more complete explanation of the use of this section.

ADVERTISER'S INDEX appears on pages 154-160 and on pages 726-728.

How to Use the Machol Edge Index

High speed reference is a major objective of the IRE DIRECTORY. To this end we have adopted the Machol Edge Index system, and these indexes:

Advertisers Index, pages 154-160 and 726-728.

Key to Products, Pink Section.

Index to Spreads, 1.

COMPLETE DATA SPREADS

161
ALPHABETICAL
COMPANY LIST

265 DIRECTORY I
COMPLETE
EQUIPMENT

365 DIRECTORY II
COMPONENTS

597 DIRECTORY III
MATERIALS
& SERVICES

Detailed Machol edge indexes will be found on the first page of the alphabetical Directory and each of the three major product Directories, pages 161, 265, 365, and 597. The Machol system will help you find both alphabetical and product sections swiftly.

HOW TO USE

- Bend the Directory almost double with the back cover page on the inside.
- Hold in your right hand with your four fingers near to the bound edge and your right thumb near the middle of the open side of this page.
- From the heavy or light line symbol adjacent to the subject you seek, run your eyes across the page edges until you reach the horizontally corresponding symbol.
- 4. OPEN THERE!



LICENSE NO. 25
MACHOL EDGE INDEX PATENT #2680630

Alphabetical Index of Products

| Product | Page | Product | Page | Product | Page | Product | Page |
|--|------------|---|------------|--|------------|--|------------|
| —A— | | attenuators, microwave | 387 | capacitor testers | 291 | coils, RF chokes | 408 |
| | | attenuators, RF | 387 | capacitors, fixed, ceramic | 397 | coils, solenoid | 408 |
| adhesive labels & tapes | 635 | attenuators, volume control | - 387 | capacitors, fixed, decade capacitors, fixed, electro- | 397 | coils, toroids | 408 408 |
| af signal equipment | 269 | ling audio frequency chokes | 408 | lytic | 397 | combustion & smoke-nui- | |
| air wheels & housings | 395 | audio irequestey essents | | capacitors, fixed, energy | | sance controls | 271 |
| airborne receivers | 266 | | | storage | 397 | complete blower assemblies | 395 |
| airborne transmitters airborne, radar equipment | 266 333 | | | capacitors, fixed, feed through | 397 | computers, air navigation computers, analog | 283 |
| airport receivers | 266 | | | capacitors, fixed composi- | 27. | computers, digital | 283 |
| airport transmitters | 266 | B | | tion | 397 | conductive coatings | 659 |
| aluminizers | 661 279 | | | capacitors, fixed, gas filled capacitors, fixed, glass di- | 397 | connectors, anode connectors, AN & MIL | 419 |
| am boardcast receivers am broadcast transmitters | 281 | batteries, dry | 391 | electric | 397 | standard types | 419 |
| am shortwave, receivers | 279 | batteries, mercury batteries, solar | 391 391 | capacitors, fixed, high volt- | | connectors, co-axial | 419 |
| amateur antennas, acces- | 2 10 10 | batteries, storage-lead acid | 391 | age | 397 | connectors, commutating | 419 |
| sories & rotators ammeters | 377 470 | batteries, storage-nickel- | | capacitors, fixed, metallized | 397 | connectors, hermetically sealed | 419 |
| amplifiers, magnetic | 367 | alkali | 391 | capacitors, fixed, mica | 397 | connectors, interlock | 419 |
| amplifiers, audio | 367 | batteries, storage-nickel- cadmium | 391 | capacitors, fixed, oil filled | 397 | connectors, microphone | 419 |
| amplifiers, DC | 367 | batteries, storage-silver-zinc | 391 | capacitors, fixed, paper | 397 | connectors, multiple circuit | 419 |
| amplifiers, decade amplifiers, differential | 367 367 | battery chargers | 661 | capacitors, fixed, plastic in- sulated | 397 | connectors, power | 419 |
| amplifiers, dynamic noise | 50, | beat frequency oscillators beta gages | 269 326 | capacitors, fixed, power fac- | | connectors, printed circuit | 419 |
| suppressors | 367 | black body sources | 313 | tor | 397 | connectors, RF type connectors, slip rings | 419 419 |
| amplifiers, hearing aid | 367 | Bobbins, ceramic | 635 | capacitors, fixed, precision | 397 | connectors, sub-miniature | 419 |
| amplifiers, high fidelity amplifiers, IF | 367 367 | bobbins, paper | 635 | capacitors, fixed, pulse form | | connectors, waterproof | 419 |
| amplifiers, infrared equip- | - 0. | bobbins, plastic book publishers | 635 699 | ing networks | 397 | consoles & speech input | 256 |
| ment | 313 | boxes, metal | 598 | capacitors, fixed, silvered | 307 | equipment consulting engineers, acous | 356 ti- |
| amplifiers, linear | 367 367 | boxes, plastic | 598 | mica capacitors, fixed, tantalum | 397 397 | cal | 624 |
| amplifiers, microwave amplifiers, null | 367 | brakes, servo-mechanisms brazing, soldering & | 345 | capacitors, fixed, vacuum | 397 | consulting engineers, electr | |
| amplifiers, peak limiting | 367 | welding equip. | 649 | capacitors, variable, neutra | | cal consulting engineers, elec- | 624 |
| amplifiers, photocell | 367 | bridges, capacitance | 276 | capacitors, variable, pre- | 407 | tronic | 624 |
| amplifiers, power | 367 367 | bridges, impedance | 276 | cision | 407 | consulting engineers, me- | |
| amplifiers, pre-phono amplifiers, printed circuit | 367 | bridges, inductance bridges, resistance | 276 276 | capacitors, variable, temp- | | chanical consulting engineers, radio | 624 |
| amplifiers, pulse | 367 | brushes, motor | 635 | erature compensating | 407 | consulting engineers, radio | 024 |
| amplifiers, RF | 367 | burglar-alarm & protec- | 071 | capacitors, variable, trim- mers, air | 407 | vision | 624 |
| amplifiers, servo amplifiers, strain gage | 367 367 | tive systems bushings & bearings | 271 635 | capacitors, variable, trim- | | contract fabrication & as- | 600 |
| amplifiers, transistor | 367 | bushings to bearings | 0)) | mers, ceramic | 407 | sembly control equipments geophys- | 628 |
| amplifiers, TV | 367 | | | capacitors, variable, trim- mers, glass | 407 | ical | 311 |
| amplifiers, TV boosters | 367 367 | | | capacitors, variable, trim- | 407 | converters, AC to DC | 427 |
| amplifiers, ultrasonic amplifiers, vibration pick- | 207 | | | mers, vacuum | 407 | converters, choppers converters, DC to AC | 427 427 |
| up | 367 | —C— | | capacitors, variable, tuning | 407 283 | converters, inverters | 427 |
| amplifiers, wideband | 367 | | | card to tape converters | 282 | converters, rotary | 427 |
| analog to digital convert- | 283 | cable & wire, antenna | | central station receivers | 325 | converters, semi-conductor | 427 |
| antennas, aircraft | 377 | feeder line cable & wire, aluminum | 603 603 | central station transmitters | 325 | converters, vibrators Converters, vibrators, | 427 |
| antennas, all-wave receiving | g 377 | cable & wire, clad | 603 | ceramic, insulation ceramics, coil forms | 651 616 | crystal | 427 |
| antennas, AM broadcast transmitting | 377 | cable & wire, co-axial | 603 | ceramics, custom fabrica- | 0-0 | converters, voltage | 427 |
| antennas, automobile | 377 | cable & wire, copper, bare | | tion | 616 | core materials, metallic | 431 |
| antennas, dummy | 377 | cable & wire, cord sets | 603 | ceramics, ferrites ceramics, insulators | 616 | | |
| antennas, ferrite rod | 377 | coated | 603 | ceramics, metallized | 616 | cores, ceramic | 431 |
| antennas, FM broadcast transmitting | 377 | cable & wire, low-loss, | 602 | ceramics, proprietary forms | 616 | cores, ferrite | 431 |
| antennas, ground plane | 377 | high-frequency TY pes cable & wire, magnet | 603 603 | cermics, yttrium iron | 616 | cores, magnetic cores, powdered metal | 431 431 |
| antennas, marine | 377 | cable & wire, microphone | 603 | garnet chassis slides | 621 | cores, tape wound | 431 |
| antennas, microwave antennas, mobile | 377 377 | cable & wire, plated | 603 | chassis, aluminum | 621 | cores, torroid | 431 |
| antennas, radar reflectors | 377 | cable & wire, precious & rare | 603 | chassis, steel | 621 | cotton tapes counters, continuous | 651 283 |
| antennas, rotators | 377 | cable & wire, pre-formed | 000 | chemicals chokes | 659 408 | counters, mechanical | 283 |
| antennas, supporting tower | s 377 | harnesses | 603 | circuit testers | 291 | counters, pre-set | 283 |
| antennas, tower erection & maintenance service | 377 | cable & wire, rubber insu- lated | | circuits, modules | 503 | crystal holders crystal ovens | 437 437 |
| antennas, tower lighting | | cable & wire, shielded | 603 603 | circuits, plug-in | 503 503 | crystal testers, equipment | 291 |
| equipment | 377 | cable & wire, synthetic in- | | citizen radio, mobile | 325 | crystals, germanium | 437 |
| antennas, TV broadcasting | 377 | sulated | 603 | clocks, radio | 470 | crystals, nuclear equipment | |
| antennas, TV multiple | 377 377 | cable & wire, wire mesh cable & wire, woven wire | 603 | coil dope | 659 | crystals, quartz crystals, raw quartz | 437 437 |
| systems antennas, TV receivers | 377 | braid | 603 | coil winding machines coils, deflection yokes | 661 408 | crystals, silicon | 437 |
| antennas, UHF-VHF | 377 | cable clips | 635 | coils, filters | 408 | | |
| attenuators, decade | 387 | calibrators, instrument | 291 | coils, flyback | 408 | —D | |
| attenuators, fixed microway | | cambric sheeting | 651 | coils, focusing | 408 | | |
| step attenuators, IF | 387 387 | cambric tubing | 651 635 | coils, IF chokes | 408 408 | data andustion as in- | 202 |
| attenuators, impedance | 207 | capacitors, fixed, printed | 0)) | coils, power chokes | 408 | data reduction equipment data sheet & manual prep- | 283 |
| matching | 387 | circuit | 397 | coils, relay | 408 | aration | 699 |
| | | | | | | | |